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

**Academy: Academy of paediatric respiratory medicine**  
**Chairs:** Ernst Eber (Graz, Austria), Fabio Midulla (Roma (RM), Italy)

- **08:30**  
  **Endoscopy**  
  Ernst Eber (Graz, Austria), Fabio Midulla (Roma (RM), Italy)

- **09:15**  
  **Lung function tests**  
  Nicolas Regamey (Lucerne, Switzerland), Annelies M. Zwikserlou (Groningen, Netherlands)

- **10:00**  
  **Imaging and ultrasound**  
  Carolina Casini (Roma (RM), Italy), Meinrad Beer (Ulm, Germany)

- **10:45**  
  **Break**

- **11:15**  
  **Bronchial asthma and wheezing disorders**  
  Marielle W.H. Pijnenburg (Rotterdam, Netherlands), Louise Fleming (London, United Kingdom)

- **12:00**  
  **Non-cystic fibrosis bronchiectasis**  
  Ernst Eber (Graz, Austria), Fabio Midulla (Roma (RM), Italy)

- **12:45**  
  **Sleep disorders**  
  Refika Hamutcu Ersu (Ottawa, Canada), Athanasios G. Kaditis (Athens, Greece)

**Lehar 1**  
Session 09:00 - 17:15

**Academy: Academy of adult respiratory medicine**

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

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

- **10:15**  
  **Break**

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

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

- **12:45**  
  **Lunch break**

- **13:45**  
  **Pulmonary function testing**  
  Frans H.C. De Jongh (Enschede, Netherlands), Monika Franczuk (Warszawa, Poland)

- **14:45**  
  **Lung imaging**  
  Adam Domonkos Tárnozki (Budapest, Hungary), Grace Parraga (London (ON), Canada)

- **15:45**  
  **Break**

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

**Stolz 2**  
Session 09:00 - 15:45

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

- **09:00**  
  **Introduction to workshops**  
  Ioannis Vogiatzis (Blyth, United Kingdom), Daniel Langer (Leuven, Belgium), Joana Cruz (Leiria, Portugal)

- **09:15**  
  **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)
**Muscle strength tests**

Frits M.E. Franssen (Maastricht, Netherlands), Rainer Gloeckl (Schoenau am Koenigssee, Germany), Daniel Langer (Leuven, Belgium), William Man (Harefield, United Kingdom)

**Physical activity assessment**

Heleen Demeyer (Leuven, Belgium), Fabio De Oliveira Pitta (Londrina, Brazil), Elena Gimeno-Santos (Barcelona, Spain), Joana Cruz (Leiria, Portugal)

**Lunch break**

**Endurance training**

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

**Resistance and inspiratory muscle training**

Martijn A. Spruit (Horn, Netherlands), André Nyberg (Umeå, Sweden), Daniel Langer (Leuven, Belgium), William Man (Harefield, United Kingdom)

**Physical activity coaching**

Thierry Troosters (Leuven, Belgium), Joana Cruz (Leiria, Portugal), Rainer Gloeckl (Schoenau am Koenigssee, Germany), Fabio De Oliveira Pitta (Londrina, Brazil)

---

**Additional registration is required for this session.**

**Postgraduate course: PG1 Thoracic ultrasound**

Expanding your ultrasound skills beyond the pleura and lungs and advanced ultrasound-guided procedures

**Aims:** 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)

**Welcome and introduction**

Beenish Iqbal (Oxford, United Kingdom)

**Focused cardiac ultrasound**

Casper Falster (Odense, Denmark)

**Case: Focused cardiac ultrasound**

**Limited compression ultrasonography of the deep veins for deep vein thrombosis assessment**

Pia Iben Pietersen (Odense C, Denmark)

**Case: Limited compression ultrasonography**

**Ultrasound assessment of the diaphragm**

Søren Helbo Skaarup (Aarhus C, Denmark)

**Case: Ultrasound assessment of the diaphragm**

**Q&A**

**Coffee break**

**Use of thoracic ultrasound in an intensive care unit**

Silvia Mongodi (Pavia, Italy)

**Case: Use of thoracic ultrasound in an intensive care unit**

**Use of thoracic ultrasound in an interstitial lung disease clinic**

Jesper Rømhild Davidsen (Odense C, Denmark)

**Case: Use of thoracic ultrasound in an interstitial lung disease clinic**
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
</table>
| 12:40 | Use of evidence-based training principles in thoracic ultrasound in a department  
Pia Iben Pietersen (Odense C, Denmark) |
| 13:00 | Case: Use of evidence-based training principles in thoracic ultrasound in a department |
| 13:10 | Q&A |
| 13:20 | Lunch break |
| 14:20 | Advanced thoracic ultrasound for assessment of patients with pleural disease  
Eihab Bedawi (Sheffield, United Kingdom) |
| 14:40 | Case: Advanced thoracic ultrasound for assessment of patients with pleural disease |
| 14:50 | Advanced thoracic ultrasound for assessment of patients with chest opacity  
Christian B. Laursen (Odense M, Denmark) |
| 15:10 | Case: Advanced thoracic ultrasound for assessment of patients with chest opacity |
| 15:20 | Q&A |
| 15:30 | Ultrasound-guided biopsy of the pleura  
Dinesh Addala (Oxford, United Kingdom) |
| 15:50 | Case: Ultrasound-guided biopsy of the pleura |
| 16:00 | Ultrasound-guided biopsy of lymph nodes  
Anand Sundaralingam (Oxford, United Kingdom) |
| 16:20 | Case: Ultrasound-guided biopsy of lymph nodes |
| 16:30 | Break |
| 16:50 | Ultrasound-guided biopsy of the lung  
Małgorzata Jelitto (, Poland) |
| 17:10 | Case: Ultrasound-guided biopsy of the lung |
| 17:20 | Thoracic ultrasound for advanced procedure guidance  
Wui Mei Chew (Singapore, Singapore) |
| 17:40 | Case: Thoracic ultrasound for advanced procedure guidance |
| 17:50 | Q&A |

**Strauss 2 Session**  
**09:30 - 17:30**

**Postgraduate course: PG2 Sleep-disordered breathing**

**Phenotypes of sleep-disordered breathing in different comorbidities and diagnosis and management of sleep-disordered breathing**

**Aims:** 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

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

**C1 (live-streamed) Session 09:30 - 13:00**

Additional registration is required for this session.

Postgraduate course: PG3 Masterclass in asthma

**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  
**Tag(s):** Clinical  
**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>Session</th>
<th>Details</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></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></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></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></td>
</tr>
<tr>
<td>11:30</td>
<td>Break</td>
<td></td>
</tr>
<tr>
<td>12:00</td>
<td>Group assignment</td>
<td></td>
</tr>
<tr>
<td>09:30</td>
<td>Postgraduate course: PG4 Early diagnosis and management of interstitial lung diseases</td>
<td><strong>Disease(s):</strong> Interstitial lung diseases</td>
</tr>
<tr>
<td></td>
<td><strong>Chairs:</strong> Maria Molina Molina (Barcelona, Spain), Nazia Chaudhuri (Limavady, United Kingdom)</td>
<td></td>
</tr>
<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></td>
</tr>
<tr>
<td>10:30</td>
<td>Break</td>
<td></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></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>AGYRIS TZOUVELEKIS (Patras, Greece)</td>
</tr>
<tr>
<td>14:00</td>
<td>Postgraduate course: PG5 How to improve the success of non-invasive respiratory support therapies</td>
<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>
</tr>
</tbody>
</table>
**Disease(s)**: Airway diseases, Respiratory critical care, Sleep and breathing disorders

**Tag(s)**: Clinical

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

**Chairs**: Marieke L. Duiverman (Groningen, Netherlands), Christoph Fisser (Regensburg, Germany)

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
</table>
| 14:00    | Non-invasive respiratory support therapies in the hypoxemic patient: indications and limitations  
Ignacio Martin-Loeches (Dublin, Ireland) |
| 14:20    | Discussion and Q&A                                                   |
| 14:30    | Non-invasive respiratory support therapies in the acute setting: how to improve the success rate of weaning  
Miquel Ferrer Monreal (Barcelona, Spain) |
| 14:50    | Discussion and Q&A                                                   |
| 15:00    | Group assignment - Part 1  
Miquel Ferrer Monreal (Barcelona, Spain), Ignacio Martin-Loeches (Dublin, Ireland) |
| 15:30    | Break                                                               |
| 16:00    | Non-invasive respiratory support in acute and chronic COPD  
Lara Pisani (Bologna (BO), Italy) |
| 16:20    | Discussion and Q&A                                                   |
| 16:30    | Non-invasive respiratory support therapies in the chronic setting: how to optimise the patient-ventilator interaction  
Rebecca D'Cruz (London, United Kingdom) |
| 16:50    | Discussion and Q&A                                                   |
| 17:00    | Group assignment - Part 2  
Lara Pisani (Bologna (BO), Italy), Rebecca D'Cruz (London, United Kingdom) |

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

**Postgraduate course: PG6 Pulmonary hypertension**

**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

**Tag(s)**: Clinical

**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)

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
</table>
| 09:30    | Pulmonary hypertension associated with chronic lung diseases  
Isabel Blanco Vich (Barcelona, Spain) |
| 09:50    | Discussion and Q&A                                                   |
| 10:00    | Principles of treatment of right heart failure  
John Granton (Toronto (ON), Canada) |
| 10:20    | Discussion and Q&A                                                   |
| 10:30    | Emerging multimodality imaging techniques of the pulmonary circulation  
David Kiely (Sheffield (South Yorkshire), United Kingdom) |
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:50</td>
<td>Discussion and Q&amp;A</td>
</tr>
<tr>
<td>11:00</td>
<td>Diagnostic and treatment strategies for chronic thromboembolic pulmonary disease&lt;br&gt;Marion Delcroix (Leuven, Belgium)</td>
</tr>
<tr>
<td>11:20</td>
<td>Discussion and Q&amp;A</td>
</tr>
<tr>
<td>11:30</td>
<td>Break</td>
</tr>
<tr>
<td>12:00</td>
<td>Group assignment</td>
</tr>
</tbody>
</table>

**A3 Session 09:30 - 13:00**

Additional registration is required for this session.

**Postgraduate course: PG7 Interpretation of lung function results in adults and children**

**Aim(s):** 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>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:30</td>
<td>Interpretation of lung volumes&lt;br&gt;Sanja Stanojevic (Halifax (NS), Canada)</td>
</tr>
<tr>
<td>09:50</td>
<td>Q&amp;A</td>
</tr>
<tr>
<td>10:00</td>
<td>Case discussion: Interpretation of lung volumes</td>
</tr>
<tr>
<td>10:15</td>
<td>Interpretation of reversibility&lt;br&gt;Vicky Moore (Coventry, United Kingdom)</td>
</tr>
<tr>
<td>10:35</td>
<td>Q&amp;A</td>
</tr>
<tr>
<td>10:45</td>
<td>Case discussion: Interpretation of reversibility</td>
</tr>
<tr>
<td>11:00</td>
<td>Break</td>
</tr>
<tr>
<td>11:20</td>
<td>Interpretation of diffusion capacity&lt;br&gt;Jörg Leuppi (Liestal, Switzerland)</td>
</tr>
<tr>
<td>11:40</td>
<td>Q&amp;A</td>
</tr>
<tr>
<td>11:50</td>
<td>Case discussion: Interpretation of diffusion capacity&lt;br&gt;Jörg Leuppi (Liestal, Switzerland)</td>
</tr>
<tr>
<td>12:05</td>
<td>Interpretation of lung function results in children&lt;br&gt;Nicole Beydon (Paris, France)</td>
</tr>
<tr>
<td>12:25</td>
<td>Q&amp;A</td>
</tr>
<tr>
<td>12:35</td>
<td>Case discussion: Interpretation of lung function results in children&lt;br&gt;Nicole Beydon (Paris, France)</td>
</tr>
<tr>
<td>12:50</td>
<td>Final remarks</td>
</tr>
</tbody>
</table>

**C1 (live-streamed) Session 14:00 - 17:30**

Additional registration is required for this session.

**Postgraduate course: PG8 Masterclass in chronic obstructive pulmonary disease**

**Aim(s):** 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.
Pathophysiological basis of COPD in different exposomes
Maarten van den Berge (Groningen, Netherlands)

Discussion and Q&A

Diagnosis, assessment, and monitoring of COPD, from Pre-COPD and early-COPD to preserved ratio impaired spirometry and COPD
Francesca Polverino (Houston, United States)

Discussion and Q&A

Current and future pharmacological treatment of different COPD phenotypes: from non-pharmacological interventions to the biologies era
Dave Singh (Manchester, United Kingdom)

Discussion and Q&A

COPD, exacerbations and cardiovascular disease: looking at the big picture to help our patients
Andriana Papaioannou (Vrilissia (Athens), Greece)

Discussion and Q&A

Unexplained or complex breathlessness: what is the problem and how does CPET fit in?
James H. Hull (London, United Kingdom)

Discussion and Q&A

How can pulmonologists use CPET to reveal the cause of unexplained breathlessness in lung diseases?
J. Alberto Neder (Kingston (ON), Canada)

Discussion and Q&A

The breathless patient with cardiovascular disease: using CPET to find an answer
Afroditi Boutou (Thessaloniki, Greece)

Discussion and Q&A
Multiple causes of breathlessness in long COVID patients: utilising CPET to help diagnosis
Ingunn Skjørten (Oslo, Norway)

Discussion and Q&A

Break

Group assignment

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

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.

Disease(s): Respiratory critical care, Respiratory infections

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

Tag(s): Clinical

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)

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)
Lennie P. G. Derde (Utrecht, Netherlands)

Perpetual observational study in acute respiratory infections in a primary care setting (POS-ARI-PC)
Nguyen Tran (Oxford, United Kingdom)

What do we need to rapidly implement clinical trials in ventilator-associated pneumonia?
Ana Catalina Hernandez Padilla (Limoges, France)

Team science: how research in acute respiratory infections is changing
Marc Bonten (Utrecht, Netherlands)

PG10 Round table discussion: ECRAID-Base clinical trials

PG10 Panel discussion

Postgraduate course: PG11 The latest developments in culture models for respiratory research

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

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

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)
14:00 Novel open-source chip models to study lung epithelial repair responses and inter-organ communication
Simon D. Pouwels (Zuidhorn, Netherlands)

14:20 Discussion and Q&A

14:30 3D bronchial epithelial cells models to study cystic fibrosis and host pathogen interactions
Aurélie Crabbé (Ghent, Belgium)

14:50 Discussion and Q&A

15:00 Next-generation lung organoids: modelling vascularised alveolar regions of the distal lung
Anna Krasnodembskaya (Belfast (Belfast), United Kingdom)

15:20 Discussion and Q&A

15:30 Implementing mechanobiology into advanced three-dimensional models to study airway diseases
Janna Nawroth (Munich, Germany)

15:50 Discussion and Q&A

16:00 Break

16:30 Group assignment

Lear 2 Session 14:00 - 17:30

Additional registration is required for this session.

Postgraduate course: PG12 Tissue and targets in lung cancer

Aims: 1. 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

Tag(s): Clinical

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

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

14:50 Discussion and Q&A

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

15:20 Discussion and Q&A

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

16:00 Break

16:30 Group assignment
OSCE examination: Thoracic ultrasound training programme Part 3 - OSCE examination - by invitation only

Aims: BY INVITATION ONLY

Method(s): Imaging

Chairs: Christian B. Laursen (Odense M, Denmark), Pia Iben Pietersen (Odense C, Denmark), Najib M. Rahman (ABINGDON, United Kingdom), Rahul Bhatnagar (Bristol, United Kingdom), Nick Maskell (Bristol (Avon), United Kingdom), Jouke T. Annema (Amsterdam, Netherlands), Laurence M.M.J. Crombag (Amsterdam, Netherlands), Lars Kongs (Copenhagen, Denmark, Denmark), Søren Helbo Skaarup (Aarhus C, Denmark)

08:15 TUS Part 3 - OSCE: Round 1
Radhika Banka (Mumbai (Maharashtra), India), Christian B. Laursen (Odense M, Denmark), Nick Maskell (Bristol (Avon), United Kingdom), Lars Kongs (Copenhagen, Denmark, Denmark), Anand Sundaralingam (Oxford, United Kingdom)

09:20 TUS Part 3 - OSCE: Round 2
Nick Maskell (Bristol (Avon), United Kingdom), Najib M. Rahman (ABINGDON, United Kingdom), Radhika Banka (Mumbai (Maharashtra), India), Dinesh Addala (Oxford, United Kingdom)

10:25 TUS Part 3 - OSCE: Round 3
Jouke T. Annema (Amsterdam, Netherlands), Laurence M.M.J. Crombag (Amsterdam, Netherlands), Anand Sundaralingam (Oxford, United Kingdom), Christian B. Laursen (Odense M, Denmark)

11:30 TUS Part 3 - OSCE: Round 4
Jouke T. Annema (Amsterdam, Netherlands), Laurence M.M.J. Crombag (Amsterdam, Netherlands), Dinesh Addala (Oxford, United Kingdom), Christian B. Laursen (Odense M, Denmark)

12:35 TUS Part 3 - OSCE: Round 5
Nick Maskell (Bristol (Avon), United Kingdom), Najib M. Rahman (ABINGDON, United Kingdom), Radhika Banka (Mumbai (Maharashtra), India), Alguili Elsheikh (Wheatley, South Oxfordshire, United Kingdom)

13:40 TUS Part 3 - OSCE: Round 6
Najib M. Rahman (ABINGDON, United Kingdom), Radhika Banka (Mumbai (Maharashtra), India), Alguili Elsheikh (Wheatley, South Oxfordshire, United Kingdom), Peter I. Bonta (Amsterdam, Netherlands)

14:45 TUS Part 3 - OSCE: Round 7
Rahul Bhatnagar (Bristol, United Kingdom), Laurence M.M.J. Crombag (Amsterdam, Netherlands), Jesper Rømhild Davidsen (Odense C, Denmark), Søren Helbo Skaarup (Aarhus C, Denmark)

15:50 TUS Part 3 - OSCE: Round 8
Rahul Bhatnagar (Bristol, United Kingdom), Laurence M.M.J. Crombag (Amsterdam, Netherlands), Jesper Rømhild Davidsen (Odense C, Denmark), Søren Helbo Skaarup (Aarhus C, Denmark)

16:55 TUS Part 3 - OSCE: Round 9
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)

18:00 TUS Part 3 - OSCE: Round 10
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)

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)

09:00 Welcome and overview of the day
Sara Cuevas Ocaña (Nottingham, United Kingdom), Thomas Gille (Bobigny, France), Monika Gappa (Düsseldorf, Germany)

09:15 Ice-breaker

09:30 Presentation skills
### Presentations skills - Breakout
- Oral presentations beginners - Chiara, Susanne
- Oral presentations some experience - Mona, Maria Joana
- Oral presentations some experience - Sara, Dorina
- Posters - Matteo, Amanda

Chiara Premuda (Milano, Italy), Susanne Vijverberg (Amsterdam, Netherlands), Amanda Dandanell Juul (Odense S, Denmark), Mona Lichtblau (Zürich, Switzerland), Maria Joana Pereira Catarata (Porto, Portugal), Sara Cuevas Ocaña (Nottingham, United Kingdom), Dorina Rama Esenadagli (Ankara, Turkey)

### 11:30 Coffee Break

### 12:00 Moderating sessions

### 13:00 Keynote: Manuscript writing and publishing
James D. Chalmers (Dundee (Angus), United Kingdom)

### 15:00 Manuscript writing/publishing – Breakout Group 1 – Chiara Group 2 – Maria Joana Group 3 – Dorina Group 4 – Amanda
Chiara Premuda (Milano, Italy), Maria Joana Pereira Catarata (Porto, Portugal), Dorina Rama Esenadagli (Ankara, Turkey), Amanda Dandanell Juul (Odense S, Denmark)

### 15:30 Coffee Break

### 15:50 Complimentary skills to achieve success - round table discussions
Sejal Saglani (London, United Kingdom), Rory Morty (Heidelberg, Germany), Mina Gaga (Athens, Greece), Mona Lichtblau (Zürich, Switzerland)

### 16:45 Feedback and key take-home messages
Sara Cuevas Ocaña (Nottingham, United Kingdom), Thomas Gille (Bobigny, France)

---

**Strauss 3 (Studio) Session 09:00 - 09:15**

**News from the studio: Welcome from chairs**

**Aims:** Introducing the congress theme

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

---

**Pro-Con debate: Cracking the Clot: Debates on the Management of High Risk Pulmonary Embolism**

**Aims:** The primary objective of this scientific session is 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. Recognizing 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.

Following each debate, a panel discussion will convene, comprising experts with diverse perspectives and expertise in PE management. This segment aims to delve deeper into the debated topics, offering a more nuanced understanding and practical guidance on applying the debated strategies in clinical practice. The panel will also field questions from the audience, providing clarifications and additional insights.

To foster an interactive and engaging learning environment, Audience Response Systems (ARS) will be employed before and after each debate. This interactive element is intended to gauge participants' pre-existing views on the debate topics, encourage active participation, and measure shifts in opinion or knowledge following the debates and discussions. This feedback mechanism will not only engage the audience but also provide valuable insights into the collective perspectives of the clinicians present, potentially highlighting areas for further education or research.

Overall, this session aims to serve as a dynamic and informative platform for clinicians to refine their understanding and approach to managing high-risk PE, incorporating evidence-based practices, expert opinions, and peer interactions to improve patient care in this challenging and rapidly evolving area of medicine.
**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)

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:15</td>
<td><strong>PRO</strong>: Systemic tPA is matter of past.</td>
</tr>
<tr>
<td></td>
<td>Parth Rali (Philadelphia, United States)</td>
</tr>
<tr>
<td>09:30</td>
<td><strong>CON</strong>: Systemic tPA is NOT matter of past.</td>
</tr>
<tr>
<td></td>
<td>Speaker to be confirmed</td>
</tr>
<tr>
<td>09:45</td>
<td>Discussion and Q&amp;A</td>
</tr>
</tbody>
</table>

**C6 (live-streamed) Session** 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>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:30</td>
<td>Mild Asthma and Atypical Asthma, how to improve the diagnosis and treatment</td>
</tr>
<tr>
<td></td>
<td>Min Zhang (, China)</td>
</tr>
<tr>
<td>09:45</td>
<td>Management of severe asthma and its comorbidities. Towards a personalized approach.</td>
</tr>
<tr>
<td></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 comorbid with cardiovascular diseases</td>
</tr>
<tr>
<td></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>
</tr>
<tr>
<td></td>
<td>Speaker to be confirmed</td>
</tr>
<tr>
<td>10:30</td>
<td>Discussion and Q&amp;A</td>
</tr>
</tbody>
</table>

**C5 (live-streamed) Session** 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)

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:30</td>
<td><strong>ERS CONNECT</strong>: an initiative to improve respiratory management by digital systems</td>
</tr>
<tr>
<td></td>
<td>Hilary Pinnock (Edinburgh (Edinburgh), United Kingdom)</td>
</tr>
<tr>
<td>09:45</td>
<td>Smart inhalers: present or future tools to improve adherence in primary care?</td>
</tr>
<tr>
<td></td>
<td>Job F.M. van Boven (Groningen, Netherlands)</td>
</tr>
</tbody>
</table>
10:00  Artificial intelligence to help decision-making in primary care  
Gabriel García (City Bell, Argentina)

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

10:30  Discussion and Q&A

C2 (live-streamed)  Session  10:45 - 16:45
Patient: ELF Patient Organisation Networking Day - by invitation only
Aims: By invitation only
Chairs: Chair to be confirmed

C6 (live-streamed)  Session  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)

11:15  PRISm and pre-COPD: new concepts / PRISm et pré-BPCO : nouveaux concepts  
Gaëtan Deslee (Reims, France)

11:25  Anti-asthma vaccination / Vaccination anti-asthmatique  
Laurent Guilleminault (Toulouse Cedex, France)

11:35  Community acquired pneumonia: what’s new with 2024 recommendations / Pneumonies aiguës communautaires : ce que changent les nouvelles recommandations  
Claire Andrejak (Amiens, France)

11:45  Sickle cell anemia: a chronic respiratory disease? / La drépanocytose : une maladie respiratoire chronique?  
Bernard Maitre (Créteil Cedex, France)

Segolene Turquier (bron, France)

12:05  News on the perioperative management of non-small cell lung cancers – forme immunotherapy to targeted therapies / Actualité de la prise en charge péri-opératoire des cancers bronchiques non à petites cellules – de l'immunothérapie aux thérapies ciblées  
Virginie Westeel (Besançon, France)

12:15  Discussion and Q&A

C5 (live-streamed)  Session  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 Rodriguez (Palma De Mallorca, Spain), Cláudia Sofia De Almeida Vicente Ferreira (Coimbra, Portugal)
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>11:15</td>
<td>The importance of frailty assessment and management in COPD patients</td>
</tr>
<tr>
<td></td>
<td>Ioanna Tsiligianni (Heraklion (Crete), Greece)</td>
</tr>
<tr>
<td>11:30</td>
<td>How to best implement motivational communication in our day-to-day primary care respiratory consultations</td>
</tr>
<tr>
<td></td>
<td>Kim Lavoie (Montréal (QC), Canada)</td>
</tr>
<tr>
<td>11:45</td>
<td>How to deal with polypharmacy in respiratory primary healthcare</td>
</tr>
<tr>
<td></td>
<td>Frances Mair (Glasgow, United Kingdom)</td>
</tr>
<tr>
<td>12:00</td>
<td>The main role of vaccination in primary care for respiratory infection prevention</td>
</tr>
<tr>
<td></td>
<td>Rui Manuel Peixoto Da Costa (Porto, Portugal)</td>
</tr>
<tr>
<td>12:15</td>
<td>Discussion and Q&amp;A</td>
</tr>
</tbody>
</table>

**Strauss 3 (Studio) Session** 11:30 - 11:55


- **Method(s)**: Imaging
- **Tag(s)**: Congress theme: Humans and Machines: getting the balance right
- **Chairs**: Walter De Wever (Leuven, Belgium)

|         | Jonas Kroschke (Zürich, Switzerland)                                                                                     |

- 11:45  | Discussion and Q&A                                                                                                       |

**Strauss 3 (Studio) Session** 12:25 - 12:50

Experts interview: When the clinician meets the basic scientist: COPD/translational science

- **Aims**: to discuss the differences in understanding of disease; to know the gaps in the knowledge that will help in the correct treatment; to discuss how can we enable fruitful and stimulating interactions between clinical and basic scientists that drive advancement of diagnosis and therapies.
- **Disease(s)**: Airway diseases
- **Tag(s)**: Translational
- **Chairs**: Silke Meiners (Sülfeld, Germany)

- 12:25  | When the clinician meets the basic scientist: COPD and translation science                                               |
|         | James D. Chalmers (Dundee (Angus), United Kingdom)                                                                         |

- 12:40  | Discussion and Q&A                                                                                                       |

**C5 (live-streamed) Session** 13:45 - 14:50

Paediatric day: Beyond wheezing and asthma in children

- **Aims**: to present increasing evidence of clinical traits that may predict asthma; to discuss the new respiratory syncytial virus (RSV) vaccine which has the potential to change the epidemiology of RSV infections in infants and newborns and may also impact asthma development; to discuss potential impacts; to discuss the Global Initiative for Asthma guidelines that provide evidence-based recommendations for the treatment of asthma and related controversy about how to implement these recommendations in daily practice.
- **Disease(s)**: Airway diseases, Paediatric respiratory diseases, Respiratory infections
- **Method(s)**: Epidemiology, General respiratory patient care, Physiology
- **Tag(s)**: Clinical
- **Target audience**: Adult pulmonologist/Clinician, Medical Student, Nurse, Paediatrician, Physician in Pulmonary Training, Physiologist, Respiratory physiotherapist
- **Chairs**: Alexander Möller (Zürich, Switzerland), Marielle W.H. Pijnenburg (Rotterdam, Netherlands), Susanne Vijverberg (Amsterdam, Netherlands)

- 13:45  | Can we predict who has asthma among preschool children with wheezing?                                                   |
|         | Sejal Saglani (London, United Kingdom)                                                                                   |

- 14:00  | Will the new respiratory syncytial virus vaccination change the epidemiology and our practice?                           |
|         | Fabio Midulla (Roma (RM), Italy)                                                                                        |
### C6 (live-streamed) Session
**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.

**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)

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker</th>
</tr>
</thead>
<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>
</tr>
<tr>
<td>14:15</td>
<td>Severe Community-Acquired Pneumonia</td>
<td>Francisco Arancibia Hernandez (Santiago de Chile, Chile)</td>
</tr>
<tr>
<td>14:30</td>
<td>oncological emergencies</td>
<td>Valeria Maria Augusto (Belo Horizonte (MG), Brazil)</td>
</tr>
<tr>
<td>14:45</td>
<td>COPD exacerbations</td>
<td>Ana Sofia Alexandre De Oliveira (Lisboa, Portugal)</td>
</tr>
</tbody>
</table>

### Strauss 3 (Studio) Session
**Pro-Con debate: Smoke-free environments in Europe. An utopia or a feasible reality?**

**Aims:** The concept of a "smoke-free generation" 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. This involves implementing policies and interventions aimed at preventing young people from starting to smoke, as well as supporting current smokers to quit. Creating a smoke-free generation 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)

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>14:00</td>
<td>PRO: The goal of a smoke-free generation</td>
<td>Nicholas Hopkinson (London, United Kingdom)</td>
</tr>
<tr>
<td>14:15</td>
<td>CON: Barriers to create a smoke-free generation</td>
<td>Paraskevi Katsaounou (Athens, Greece)</td>
</tr>
</tbody>
</table>

### C5 (live-streamed) Session
**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.
### Paediatric respiratory diseases

**Method(s):** Epidemiology  
**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)

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
</table>
| 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 |

### 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  
**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)

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
</table>
| 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 |
**Stolz 1**  
Session 08:00 - 10:20  
*additional registration required for this session*

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

**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

**Tag(s):** Clinical

**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)

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Presenter(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:00</td>
<td>Introduction</td>
<td></td>
</tr>
<tr>
<td>08:10</td>
<td>Different levels of sleep studies</td>
<td>Ludger Grote (Göteborg, Sweden)</td>
</tr>
<tr>
<td>08:10</td>
<td>Interpretation of polysomnography/polygraphy in adults</td>
<td>Renata L. Riha (Edinburgh (Edinburgh), United Kingdom)</td>
</tr>
<tr>
<td>08:10</td>
<td>Interpretation of polysomnography/polygraphy in children</td>
<td>Athanasios G. Kaditis (Athens, Greece)</td>
</tr>
<tr>
<td>08:10</td>
<td>Evaluation of daytime sleepiness</td>
<td>Carolina Lombardi (Milano (MI), Italy)</td>
</tr>
</tbody>
</table>

---

**Stolz 1**  
Session 10:40 - 13:00  
*additional registration required for this session*

**Skills workshop: SW2 Diagnostic techniques for sleep breathing disorders**

**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.

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

**Tag(s):** Clinical

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

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Presenter(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:40</td>
<td>Introduction</td>
<td></td>
</tr>
<tr>
<td>10:50</td>
<td>Different levels of sleep studies</td>
<td>Ludger Grote (Göteborg, Sweden)</td>
</tr>
<tr>
<td>10:50</td>
<td>Interpretation of polysomnography/polygraphy in adults</td>
<td>Renata L. Riha (Edinburgh (Edinburgh), United Kingdom)</td>
</tr>
<tr>
<td>10:50</td>
<td>Interpretation of polysomnography/polygraphy in children</td>
<td>Athanasios G. Kaditis (Athens, Greece)</td>
</tr>
<tr>
<td>10:50</td>
<td>Evaluation of daytime sleepiness</td>
<td>Carolina Lombardi (Milano (MI), Italy)</td>
</tr>
</tbody>
</table>

---

**Stolz 2**  
Session 10:40 - 13:00  
*additional registration required for this session*

**Skills workshop: SW19 Cardiac Ultrasound in the management of respiratory failure**

**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

---
The contribution of flexible fiberoptic bronchoscopy in diagnosing of unresolved hemoptysis in children
Burcu Çapraz Yavuz (Ankara, Turkey), Ebru Yalçın, Meltem Akşüv Erdal, Havva Ipek Demir, Raziye Atan, Pınar Özdemir Yaşar, Nagehan Emiralioglu Ovdakaya, Deniz Dogru, Uğur 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

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), Abdurrahmaan 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

Experience with Flexible Bronchoscopy for Non-COVID-19 Indications in Pediatric Patients During the COVID-19 Pandemic
Sanem Eryilmaz Polat (Ankara, Turkey), Fatma Merve Ankan, Murat Yasin Gençoğlu, Şüle Selin Akyan Soydaş, Salih Uytun, Satı Özkán Tabakçı, İşil Bilgiç, Meltem Kürtül, Dilber Ademhan Tural, Gökçen Dilşa Tuğcu, Güzin Cinel

Haemoptysis in childhood: 10 years single centre experience
Fazilean Zırek (Ankara, Turkey), emine semra küçük öztürk, Merve Nur Teki̇n, Mahmut Turğut, Secahattin Bayav, Mukaddes Ağırtıcı, Gökçen Dilşa Tuğcu, Güzin Cinel

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 Brener, Eva Gudumac

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, Şüle Yeşil, Ali Fettah

Etiology of Primary Spontaneous pneumothorax in Children and Adolescents
Dilber Ademhan Tural (Ankara, Turkey), Beste Ozsezen, Pelin Ozlem Simsek Kiper, Ekim Taskuran, Halime Nayir Buyukshahin, Ismail Guezellkas, Birce Sunman, Beren Karaosmanoglu, Gozde Imren, Tutku Soyer, Gulen Eda Utine, Nagehan Emiralioglu, Ebru Yalcin, Deniz Dogru, Nural Kiper, Uğur Özcelek

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)

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)

PS-7 Session 08:00 - 09:30
Poster session: Unveiling lung mysteries through imaging and modelling
**Disease(s):** Interstitial lung diseases, Respiratory critical care, Airway diseases, Pulmonary vascular diseases

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

**Tag(s):** Translational

**Chairs:** Antonella Dost (Zeist, Netherlands), Niki L. Reynaert (Maastricht, Netherlands)

**Talking Points:**

1. **Studying lung microvascular endothelial dysfunction upon cigarette smoke exposure using an alveolus-on-chip**
   - Anne M. van der Does (Leiden, Netherlands), Ablash Ravi, Tarek Gensheimer, Xinrui Wu, Jif R. Johnson, Martin C. Harmsen, Reinoud Gosens, Pieter S. Hiemstra, Andries D. Van Der Meer

2. **Generation of alveolar epithelial type 2 cells from patient-derived induced pluripotent stem cells: A novel platform for exploring telomere biology in pulmonary fibrosis**
   - Amy Duffy (Dublin, Ireland), Xi Jing Teoh, Wan Lin Ng, Aoife Carolan, Anja Schweikert, Mari Ozaki, Killian Hurley

3. **Farm dust inhibits epithelial-to-mesenchymal transition in airway epithelial cells exposed to pro-fibrotic mediators after injury**
   - Jasmijn A. Schrumpf (Leiden, Netherlands), Dennis K. Ninaber, Padmini P.S.J. Khedoe, Erika Von Mutius, Hermelijn H. Smits, Pieter S. Hiemstra

4. **Improving the 3D microenvironment of mesenchymal stromal cells for lung tissue repair in COPD**
   - Lei Wang (Groningen, Netherlands), Jeroen Leijten, Dirk-Jan Slebos, Marissa Wisman, Xinhui Wu, Jill R. Johnson, Martin C. Harmsen, Reinoud Gosens, Pieter S. Hiemstra

5. **Assessment of liposomes on precision-cut lung slices: ex vivo assessment on EMT model of human lungs.**
   - Cecilia Bagnera (Pavia, Italy), Sara Bozzini, Eleonora Bozza, Matteo Della Zoppa, Luca Del Frate, Sara Lettieri, Giulio Melloni, Guido Baiteto, Manuela Monti, Valeria Binicotto, Ilaria Andreana, Silvia Arpico, Federica Meloni

6. **Treprostinil reduces clinically relevant fibrosis biomarkers in a Scar-in-a-Jar model using a fibrotic cocktail**
   - Mark Skarsfeldt (Herlev, Denmark), Filipa B. Simões, Stine V. Johansen, Jannie M.B. Sand

7. **In vivo isolated lung perfusion: an innovative platform for assessing lung injury propagation in ARDS.**
   - Gabriele Fior (Brisbane, Australia), Benjamin Lloyd, Keibun Liu, Angelo Milani, Nchafatso Obonyo, Kota Hoshino, Hideaki Nonaka, Gabriella Abbate, Sofia Portatadino, Rachana Pandur, Kieran Hyslop, Margaret Passmore, Carolyn Meechan-Brown, Kendal Redmond, Richard Slaughter, Bruce Garlick, David McGiffin, Jacky Suen, John Fraser, Gianluigi Li Bassi

8. **Crotalus durissus cascavella (Cdc) venom acute lung injury: Unveiling clinical implications through a murine experimental model**
   - Ricardo Figueiredo (Feira De Santana (BA), Brazil), Marcos Lázaro Guerreiro, Elen Azevedo, Mateus Moura, Soraya Trindade, José Bessa Junior, Ilka Biondi

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

10. **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 Örbom, René In ‘t Zandt, Lars E. Olsson, Karin Von Wachenfeldt

11. **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

12. **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 Griminger, Werner Seeger, Ralph Schermuly, Malgorzata Wygrecka

13. **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 Piezo1 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)
Naômi 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

PS-6 Session 08:00 - 09:30
Poster session: Insights into the latest cellular and molecular perspectives in COPD and asthma
Disease(s) : Airway diseases
Method(s) : Cell and molecular biology Epidemiology Physiology
Tag(s) : Translational
Chairs : Chair to be confirmed

Nasal epithelial gene expression data improves the prediction of asthma exacerbations

Connecting the salivary microbiome and blood epigenome with a machine learning interaction approach in children with moderate-to-severe asthma

Transcriptomic determinants of response to biological therapy (BT) in severe uncontrolled asthma (SUA)
Bartomeu Mestre Cañas (Palma de Mallorca, Spain), Bartomeu Mestre, Amanda Iglesias Coma, Josep Muncunill, Maria Berman, Aarne Fleischer, Hanaa Shafiek, Nuriá Toledo, Jose Luis Valera, Meritxell Lopez, Rocío Martinez, Mar Mosteiro, Ines Escrivan, Borja Cosio

Nasal periostin expression is higher in asthma patients with versus without persistent airflow limitation
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 Beghé, Victor Guryev, Maarten Van Den Berge

Nasal gene expression in T2-low asthma
Tatiana Karp (Groningen, Netherlands), Alen Faiz, Tessa E. Gillett, Huib A.M. Kerstjens, Monica Kraft, Martijn C. Nawijn, Bianca Beghé, 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

The NOVELTY nasal transcriptome identifies mechanisms in asthma and COPD exacerbators
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 Ösrö, Adam Platt, Stephanie A Christenson, Maarten Van Den Berge, - For The Novelty Scientific Community And The Novelty Study Investigators

Mitochondrial beta-oxidation is altered in response to prednisolone intervention in mepolizumab treated severe eosinophilic asthma
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

LSC - 2024 - Decoding the genetic predisposition to asthma using epigenomics
L Trap (Rotterdam, Netherlands), B Stikker, A Onrust-Van Schoonhoven, A Van Krimpen, R Hendriks, R Stadholders
Effect of treatment with benralizumab or mepolizumab on the serum proteome in eosinophilic granulomatosis with polyangiitis
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

Genetic pathway score for IL-4/IL-13 signaling is associated with diseases that respond to Dupilumab
Manuel Ferreira (Tarrytown, United States), Carlo Sidore, Maria Suciu, Lauren Gurski, George Yancopoulous, Aris Baras, Gonçalo Abecasis

FNDC5/irisin regulates mitochondrial function in airway subepithelial fibrosis of severe asthma
Wun-Hao Cheng (Taipei city, Taiwan)

RNA alternative splicing events as biomarkers for asthma-chronic obstructive pulmonary disease overlap
Jung Hur (Seoul, Republic of Korea), Chin Kook Rhee

Exploring the Therapeutic Potential of Isorhamnetin in the Treatment of Chronic Obstructive Pulmonary Disease via the Ferroptosis Pathway: A Network Pharmacology and Experimental Study
Zhiwei Lin (Guangzhou, China), Qianyue Yang, Baoqing Sun, Luqian Zhou

Lung-resident non-classical monocytes are involved in systemic inflammation in chronic obstructive pulmonary disease
Takuya Saito (Sendai, Japan), Naoya Fujino, Shuichi Konno, Yoshinao Ono, Mitsuhiro Yamada, Hisatoshi Sugiura

ADAM29 elevation in patients with COPD and its association with lung function
Shinhee Park (Bucheon-si, Republic of Korea), Min-Hyeok An, Pureun-Haneul Lee, Yunha Nam, Ae Rin Baek, Sung-Woo Park, Junheuyuk Lee, Jong Sook Park, Do Jin Kim, An-Soo Jang

Serum RNASE3 and TREM2 biomarker set predicts clinical response to benralizumab in nasal polyps
Zala Jevnikar Rojnik (Mölndal, Sweden), Zala Jevnikar Rojnik, Mathias Cardner, Giovanna De Palo, Hoda Sharifian, Lisa Öberg, David Cohen, Sofia Necander, Maria Jison, Viktoria Werkström, Chris Chamberlain, Adam Platt, Daniel Muthas, Christopher Mccrae

Inflammatory lipid mediators in Chronic Obstructive Pulmonary Disease: Association with the disease severity
Warda Jelassi (Tunis, Tunisia), Abir Hedhli, Khadija Euchi, Meriem Mjid, Yacine Ouahchi, Sana Cheikhrouhou, Sonia Toujani, Besma Dahhri

Predictive and therapeutic value of lipoprotein-associated phospholipaseA2 in sarcopenia in chronic obstructive pulmonary disease
Gang Hou (Beijing, China), Liwei Liao, Mingming Deng

Asthma improvement and normalization of host defence: a longitudinal proteomics cluster analysis
Rita Amaral (Porto, Portugal), Jörgen Syk, Maria Sparriman Mikus, Sven-Erik Dahlén, Andrei Malinovschi, João A Fonseca, Kjell Alving

Poster session: Treatment of non-idiopathic interstitial lung diseases: 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

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 Hugmeyer, Gunter Assmann, Sven Stieglitz, Sven Gläser, Hubert Wirtz, Claus Keller, Michael Dreher, 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, Ruairi Fahy

Antifibrotic treatment efficacy in progressive pulmonary fibrosis: single center experience
Gülfer Nigar Okumuş (Istanbul, Turkey), Ulkur Durak, Yasemin Yalcinkaya, 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 Pimple (Connecticut, United States), Seth Walters, Stephane Soulard, Weicheng Ye, Aldo Elsen, Thitima Kongnakorn, Sayooy 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 oral corticoids in organizing pneumonia post COVID-19 (the NORCOVID clinical trial)
David Espejo Castellanos (Barcelona, Spain), Aitor Gonzalez Amezcua, Maria Florencia Pilia, Galo David Granados Rosales, Christian Romero Mesones, Maria Antonia Ramon Belmonte, Ifigo Ojanguren Arranz, Ana Villar Gomez, Maria Jesus Cruz Carmona, Ferran Torres Benitez, Xavier Munoz Gall

Rituximab in Hypersensitivity Pneumonitis refractory to conventional treatment: experience from two centers
Diogo Ferreira (Vila Nova De Gaia, Portugal), Inês Carvalho, Eduarda Tinoco, Carla Nogueira, Sofia Neves, Antonio Morais, Sergio Campainha

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, Vasiliou Tsilas, Eleni 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, Aidan Cushnahan, Jyotika Prasad

Optimizing Cardiopulmonary Rehabilitation Duration for Long COVID Patients: An Exercise Physiology Monitoring Approach.
Jans Tamás Varga (Budapest, Hungary), Zsofia Szvaras, Monika Fekete, Gerg Jozsef Szollosi, Katica Kup, Rita Horvath, Maya Schimizu, Fuko Tsuchiya, Ha Ein Choi, Huang-Tzu Wu, Vincze Pongor-Fazekas, Orsolya Kovacs, Kinga Needa Pete, Renata Cserjesi, Regina Bakos, István Gobé, Kata Gyongyosi, Renata Pinter, Dora Kolozsvari, Zsuzsanna Kovats, Zoltán Ungvari, Stefano Tarantini, Gabor Horvath, Veronika Muller

Clinical profile of patients with Intertstitial 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

PS-21  Session  08:00 - 09:30
Poster session: New opportunities and challenges in the management of cystic fibrosis

Disease(s) : Airway diseases
Method(s) : General respiratory patient care  Pulmonary function testing  Epidemiology  Imaging  Pulmonary rehabilitation
Tag(s) : Clinical
Chairs : Eleana Kourouki (Thessaloniki, Greece), Chair to be confirmed
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

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

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

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

Prompt effect of ELX/TEZ/IVA on the lung function in patients in cystic fibrosis in North Macedonia
Elena Krsteska (Skopje, North Macedonia), Andrijana Andreevska Stepanska, Valentina Cvejoska Cholakovska, Lidija Spirevska, Boshko Koloski, Aleksandar Stepanovski, Stoja Fustik

Optimizing nutritional strategies for cystic fibrosis pediatric patients ineligible for CFTR modulators
Ibtehal Al-Harbi (Riyadh, Saudi Arabia), Alanood Alanazi, Mohammed Alzaied, Hammad Alsdoon, Safa Eltahir, Jawaher Mukhtar, Suhail Al-Saleh, Wadha Aloitaib, Sabah Alshlabi

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

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

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

Enhancing Parental Knowledge of Cystic Fibrosis Through Education

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

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

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

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

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 Balci, Şeyda Karabulut, Zeynep Münteha Başer, Neval Metin Çakar, Muge Merve Akkitap Yiğit, Eda Esra Baysal, Fulya Özdemircioğlu, Burcu Uzunoğlu, Gamze Taşta, Almala Pınar Ergenekon, Yasemin Gökdemir, Ela Erdem Eralp, Fazilet Karakoç, Pınar Ata, Bülent Karadağ

Declining trend in chronic Staphylococcus aureus and Pseudomonas aeruginosa infections in CF patients: A 4-year retrospective analysis
Andrijana Andreevska Stepanska (Skopje, North Macedonia), Elena Krsteska, Valentina Cvejoska Cholakovska, Lidija Spirevska, Aleksandar Stepanovski, Stoja Fustik

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 Ayzt Kilinc Sakalli
Demographic and anthropometric changes of patients with cystic fibrosis by years, relationship between variables and survival analysis
Seyda Karabulut (Istanbul, Turkey), Mine Kalyoncu, Neval Metin Çakar, Ceren Ayca Yıldız, Burcu Üzunoğlu, Gamze Taştan, Almala Pınar Ergenekon, Ela Erdem Eralp, Yasemin Gökdemir, Fazilet Karakoç, Bülent Karadağ

Evaluation of social determinants of health in people with cystic fibrosis living at the affected areas of devastating earthquake in Turkey: multicenter-study

Social determinants of health in Cystic Fibrosis
Seyda Karabulut (Istanbul, Turkey), Neval Metin Çakar, Mine Kalyoncu, Merve Selçuk, Ceren Ayca Yıldız, Damla Koçamaz, Burcu Üzunoğlu, Gamze Taştan, Almala Pınar Ergenekon, Yasemin Gökdemir, Ela Erdem Eralp, Fazilet Karakoç, bülent Karadağ

PS-10 Session 08:00 - 09:30
Poster session: Research studies in chronic cough

Disease(s): Airway diseases
Method(s): Cell and molecular biology Pulmonary rehabilitation General respiratory patient care Physiology Pulmonary function testing
Tag(s): Translational
Chairs: Andrea Portacci (Modugno, Italy), Imran Satia (Hamilton, Canada)

Effect of a novel inhaled lidocaine powder formulation on cough threshold to nebulised distilled water in humans
Alessandra Sorano (Firenze, Italy), Francesca Buttini, Ruggero 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 Poiriot, Denis Drenan, Yaniv Zigel, Helen Venn, Michael Kitt

CD39L1 levels in refractory/unexplained chronic cough patients, and relationship to cough counts
Michael A. Wortley (London, United Kingdom), James Wingfield Digby, Sabina Issop, Sara J. Bonvini, Rachel Dockry, Jenny King, Beth Massey, Simon Stephon, Bashar Al-Shekliy, Maria G. Belvisi, Eric D. Dubuis, Shannon Galgani, Kimberlyt Holt, Shilpi Sen, Paul Marsden, Jacky A. Smith

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 S. Birring (London, United Kingdom), Peter Dicpinigaitis, 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
Mustafa A Wahab (Hamilton, Canada), Élena Kum, Nermin Diab, Danica Brister, Caitlin Obminske, Jennifer Wattie, Lesley Wiltshire, Karen Howie, Sue Beaudin, Kieran Killian, Jaclyn Smith, Gordon Guyatt, Roma Sehni, 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 Bassani, Diletta Mandrioli, Gino Villetti, Danieli Miglietta

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

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

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 Stephon, Eric Dubois, Shannon Galgani, Kimberlyt Holt, Shilpi Sen, Joanne Mitchell, Bashar Al-Shekliy, Maria Belvisi, Jacky Smith, Paul Marsden

Determinants for cough improvement with pulmonary rehabilitation
Ana Sofia Brites Grave (Alcobaça, Portugal), Cátia Paixão, Diogo Tetcélo, 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 Obminske, Jennifer Wattie, Lesley Wiltshire, Karen Howie, Sue Beaudin, Kieran Killian, Ana Oliviera, 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 Obminske, 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, Paweł Kukielska, Katarzyna Białek-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, Mcgarvey Lorcan, Fionnuala Lundy

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

Poster session: Sarcoidosis: clinical aspects

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. Franciosi, Michael P Keane, Emmet 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, Nairaa Santos-Erice, Cristian Tebé Cordomt, Santiago Bolivar, Joan Maha, Maria Molina-Molina, Vanesa Vicens-Zygmun

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 Faverio, 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 Sesè, 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-García (Barcelona, Spain), María Luisa Rullán Arias, Xavier Alsina-Restoy, Joel Francesqui-Candel, María Belén Noboa-Sevilla, Pamela Kette-Aguilera, Nancy Pérez-Rodas, Manel Ramos, Daniel Ramos, Fernanda Hernández-González, Jacobo Sellarés

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

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, Adam Białas, Łukasz Gwadera, Elżbieta Malujło-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 Abdelhedi (Tunis, Tunisia), Khouloud Kchaou, Chaima Briki, Safa Dali, Sirine Jamli, Saloua Ben Khamsa Jameelddine

Correlation between DSP index and lung function in patients with pulmonary sarcoidosis
Safa Dali (La Marsa, Tunisia), Khouloud Kchaou, Chaima Briki, Yosra Abdelhedi, Saloua Ben Khamsa Jameelddine

A Tunisian sample: Comorbidity and sarcoidosis
Tarak Cherif (Ariana, Tunisia), Ines Moussa, Chariag Mayssa, Ben Hmida Lenda, Affès Meriem, Bziouech Oumaima, Mraissi 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 Białas, Łukasz Gwadera, Patryk Sobczak, Wojciech J Piotrowski

PS-27 Session 08:00 - 09:30
Poster session: Advancing clinical trials and care in pulmonary fibrosis
Disease(s): Interstitial lung diseases
Method(s): General respiratory patient care Epidemiology Public health Respiratory intensive care Pulmonary function testing Imaging Palliative care Transplantation Cell and molecular biology Endoscopy and interventional pulmonology
Tag(s): Clinical
Chairs: Vivien Somogyi (Mainz, Germany), Chair to be confirmed

Analysis of Nintedanib Dosing and Mortality in US Medicare Data
Andrew H. Limper (Rochester, United States), Vee Thao, David Helfinstine, Lindsey Sangaralingham, Timothy Dempsey

Baseline characteristics of patients enrolled in the FIBRONEER-ILD trial of nerandomilast (B1 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 neranemilast (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)
Justin M Oldham, Megan L Neely, Daniel Wojdyla, Mridu Gulati, Peide Li, Divya Patel, 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 Foggì, Amy Mac Donald, Thierry Rousselet, 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 (Overijse, 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, Jumpei Harada, Kysouke 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 in-hospital 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 Meng, Gang Wang, Deying Kang

Clinical use of polymixin hemoperfusion in 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 Froidurde

Impact of Air Pollution on Hospitalizations in Patients with Idiopathic Pulmonary Fibrosis in the Communities of Madrid
Pablo Mariscal Aguilar (Madrid, Spain), Luis Gómez-Carrera, Mariana Díaz-Almirón, Francisco Gayá-Moreno, Carlos Carpio, Ester Zamarrón, María Fernández-Velilla, Elena Villanúañ, Isabel Esteban-Rodriguez,Lucia Esteban-Baloira, Rita Regojo, Paula Villaverde, Michael Álvarez, Cristina Mariscal, Maria 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 Consolenti, 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 Lappi-Blanco, Riitta Kaatteenaho, 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 Fernández Jiménez, Javier López García, José Manuel Almería, Francisco Espíndola Hernández, José 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 Almería, Francisco Espíndola Hernández, José Luis Velasco Garrido, Eva Cabrera César

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

PS-2 Session 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 patient care, Pulmonary function testing, Physiology
Tag(s) : Clinical

Chairs : Neil Greening (Leicester, United Kingdom), Dimitrios Megaritis (Newcastle upon Tyne, United Kingdom)

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

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, Mínesh Kooblall

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 Loiodice, Jean-Louis Pépin, Bruno Degano

Body composition and nutrient intake of Sri Lankan adults living with COPD: a cross-sectional study
Chamilya Perera (Kelaniya, Sri Lanka), Akila Jayamaha, Thamara Amarasekara, Anthony Seneviratne, Ravini Karunathilake, Amitha Fernando, Barton Andy, Micheal Steiner, Savithri Wimalasekera, Sally Singh, Mark Orme

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

Respiratory involvement and neuromotor function in a cohort of Patients With Facioscapulohumeral Dystrophy Type 1: A Retrospective Study
Valerio Patisso (Milano, Italy), Elena Carraro, Elisabetta Roma, Massimo Croci, Paolo Tarsia, Andrea Lizio, Valeria Ada Sansone

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

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 Radtke, 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 Möller, 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-Sluga

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
Natallia 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, Naila Nadia Moreira, Rosa Helena Ramos Paula-Vieira, Fernanda Rodrigues Monteire, 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 Yuenyongchaiwat, Rinrada Jamnongsart, Jetsada Nantathaweehool, Kittissak Sleeke, Nawat Wuensawad, 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 Idigora, María Dolores Nuñez Ollero, David Hervás Marin, Teresa Elias Hernández, Luis Jara Palomares, Julia Oto Martinez, Pilar Medina Badenes, Pilar Cuéndu Ramos

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

Poster session: Non-continuous positive airway pressure treatment for sleep-disordered breathing: diagnostic aspects of obesity hypoventilation syndrome
Disorder(s) : Sleep and breathing disorders, Airway diseases
Method(s) : Physiology, General respiratory patient care, Epidemiology, Pulmonary function testing
Tag(s) : Clinical
Chairs : Richard Staats (Lisbon, Portugal), Lucia Pinilla (Adelaide, Australia)

A randomized trial of a non-pharmacological dietary intervention on subjective and polysomnography-measured sleep quality
Lancelot Pinto (Mumbai, India), Shvarri Desai, Soumik Kalita, Shibha Iyer, Apurva Halbe, Jagmeet Madan, Shobha Udipi, Rama Vaidya, Ashok Vaidya

Rate of adherence to the ESC2021 cardiovascular prevention targets in OSA: an interim analysis.
Francesco Del Bello (Falconara Marittima, Italy), Francesca Gonnelli, Ilaria Montesano, Federico Mei, Martina Bonifazi

The modified Baveno classification for obstructive sleep apnoea management
Sandhya Matthes (Solingen, Germany), Marcel Trel, Ludger Grote, Jan Hedner, Zou Ding, Maria Bonsignore, Jean-Louis Pépin, Renaud Tamisier, Sebastien Bailly, Silke Ryan, Walter Menicholas, Sophia Schiza, Johan Verbraecken, Athanasia Pataka, Pawel Slivinski, Ozen Basoglu, Carolina Lombardi, Gianfranco Parati, Winfried Randerath

Is the importance of positional therapy for treatment of obstructive sleep apnea overestimated?
Kathleen Jahn (Basel, Switzerland), Werner Strobel
Vibrotactile Positional Therapy for positional Obstructive Sleep Apnoea: A Multicentre Randomised Controlled Trial
Julia Kelly (London, United Kingdom), Christopher Turnbull, Roger Newson, Emma Hedley, Ann Nevison, Annabel Nickol, Sophie West, Nicholas Talbot, John Stradling, Mary Morrell

Expiratory Positive Expiratory Pressure (EPAP) enhanced Mandibular Advancement Device (MAD) is well tolerated with minor adverse effects
Sat Sharma (Toronto (ON), Canada), Antonella Conflitti, Shideh Pejman, Hilary Reiter, Barry Weinstein, Brian Smith, Ivan Valcarenghi, Adam Teo, Bob Gibbons

A multifaceted clinical phenomenon: the CORE syndrome
Anela Hoxhallari (Foggia, Italy), Pasquale Tondo, Donato Lacedonia, Piera Socci, Giorgia Lepore, Carla Maria Irene Quarato, Pietro Magaletti, Maria Lisa Baccellieri, Amnartia Depalo, Antonella Santoro, Maria Pia Foschino Barbano, Giulia Scioscia

Sleep Quality with EPAP Enhanced Novel Mandibular Advancement Device (EMAD) versus Continuous Positive Airway Pressure (CPAP) in Mild and Moderate Obstructive Sleep Apnea (OSA)
Sat Sharma (Toronto (ON), Canada), Antonella Conflitti, Hilary Reiter, Ivan Valcarenghi

A comparative study of one-night oxygen therapy for obstructive sleep apnea in patients with fibrotic interstitial lung disease
Teng Han (Beijing, China), Xiao Lei Zhang

The effect of sulthiame on potential biomarkers in moderate to severe obstructive sleep apnea
Erik Hoff (Göteborg, Sweden), Saliba Musovic, Ali M Komai, Ding Zou, Christian Strassberger, Kaj Stenlöf, Ludger Grote, Jan Hedner

Electrical Stimulation in Obstructive Sleep Apnoea: Treatment Effect on the Apnoea-Hypopnoea-Index in Randomised Controlled Trials
Deeban Ratneswaran (London, United Kingdom), Michael Cheng, Martino Pengo, Esther Schwarz, Georgios Kaltzakas, Yuanming Luo, Michael I Polkey, Gerrard Rafferty, John Moxham, Joerg Steier

Effect of fluid balance control on obstructive sleep apnea in peritoneal dialysis patients with volume overload: A pre-and post-intervention study
Seelwan Sathitratanacheewin (Bangkok, Thailand), Piyaporn Towannang, Talerngsak Kanjanabuch, Nattapong Jaimchariyatam

Enhancing Sleep Services in a District General Hospital (DGH) through the MDT/CAS Model: A Retrospective Evaluation
Syed Jawad Ahmad (Walsall, United Kingdom), Uchechukwu Agboje, Megan Beacham, Anna Mowat, Atul Gulati

Home mechanical ventilation – an observational study from a tertiary referral centre
Lara Benning (Zurich, Switzerland), Michelle Mollet, Matteo Bradicich, Joël Julien Herzig, Malcolm Kohler, Silvia Ulrich, Esther Irene Schwarz

Acceptance of and adherence with long-term non-invasive positive airway pressure therapy in patients with COPD: a systematic review and meta-analysis
Cheryl Laratta (Edmontong, Canada), Linn Moore, Scott Kirkland, Nana Owusu Essel, Sandra Campbell, Rachel Jen, Joanna Maclean, Sachin Pendharkar, Brian Rowe

Earlt-to-midlife body mass index trajectories and obstructive sleep apnoea
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

Early detection of obesity hypoventilation syndrome: prevalence and physiological differences within a cohort of obese patients
Elisa Perger (Milano, Italy), Andrea Faini, Debora Rosa, Luigi Taranto Montemurro, Paola Faverio, Fabrizio Luppi, Antonio Foresi, Simona Bertoli, Gianfranco Parati, Carolina Lombardi

Factors associated with the diagnosis of hypoventilation syndrome among patients qualified for bariatric surgery.
Kamil Polok (Kraków, Poland), Justyna Tęczar, Natalia Celejewska-Wójcik, Piotr Major, Aleksander Kania

Obesity and lung volumes, sleep disordered-breathing and respiratory failure – a cross-sectional observational study
Lara Benning (Zurich, Switzerland), Michelle Mollet, Joël Julien Herzig, Matteo Bradicich, Malcolm Kohler, Silvia Ulrich, Esther Irene Schwarz

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 Paxonou, Konstantina Chada, Paschalis Steiropoulos
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 Basharat Mehdi (Bolton, United Kingdom)

---

**Is BIS the answer to grant optimal sedation during EBUS procedures?**
Juan Fco. Nieves Salceda, Miguel Angel Ariza Prota, Maria Pilar Gil Muñiz, Sandra Fernández Rodríguez, Inmaculada Sánchez Fernández, Susana Acebo Fernández, Patricia Álvarez Álvarez, Laura Abad Chamorro, Eduardo Sánchez Vázquez, Isabel Martínez González-Posada, María Rodil Riera, Marina Acebo Castro, Claudia Mañana Valdés, Marta María García Clemente

**Correlation of PET-CT FDG uptake, endobronchial ultrasound cytology and surgical biopsy in patients with Non-Small Cell Lung Cancer undergoing curative surgery.**

**Contribution of flow cytometric analysis of endobronchial ultrasound-guided trans-bronchial needle aspiration specimens for diagnosis of mediastinal malignant lymphoma**
Takuma Ina, Ryoma Moriya, Yuri Maeda, Tomoya Horiguchi, Yasuhiro Goto, Naozumi Hashimoto, Kazuyoshi Imazumi

**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

**Comparison of Three Different 22-G Endobronchial Ultrasound (EBUS) Needles in Terms of Diagnostic Yield**
Nazli Cetin, Erhan Ugurlu

**The microcentrifuge tube cell block technique improves mediastinal mass and lymphadenopathy diagnosis and cellularity yield in endobronchial ultrasound transbronchial needle aspiration specimens.**
Duangrat Pruettivorawongse, Tananchai Peknak, Viboön Boonsarnsuk, Acharaporn Pongtippet, Pimphongplumwarasawat

**Transbronchial mediastinal cryobiopsy guided by endobronchial ultrasonography: case series of 132 cases**
Esperanza Salcedo Lobera, Mario García García, Macarena Arroyo Varela

**A novel scoring system in endobronchial ultrasound-guided transbronchial needle aspiration**
Ilaria Cuccaro, Krisstopher Richard Flores, Rossana Vigliarolo, Federica Olmati, Giuseppina Gioffrè, Angel María Pia Succu, Leo Guidobaldi, Maria Cristina Zappa, Paolo Palange

**Enhancing Diagnostic Accuracy in Mediastinal Lymphadenopathy: The Role of EBUS-MCB following Inconclusive EBUS-TBNA**
Nihar Shah, Jon Mullholand, Josh Boron, Stephanie Baltaji, Toribiong Uchel, Ray Shepherd, Danai Khemasuwun

**NOSE examination of EBUS/EUSb samples- new method of sample adequacy evaluation**
Zuzana Šestáková, Jiri Votruba, Tomas Bruha

**DESCRIPTIVE STUDY OF ENDOBRONCHIAL ULTRASOUND-GUIDED TRANSBRONCHIAL CRYOBIOPSIES IN THE DIAGNOSIS OF MEDIASTINAL LESIONS**
Sáblia Perello Rosello, Marcos Becerra Ainet, Ruth Engonga Guiterrez, Maria Diaz Jiménez, Cristina Gómez Bellvert, Ana Fortezza Valades, Alberto Alonso Fernández, Jaume Saüleda Roig

**An Explorative Analysis on Cryo-passes and Freezing Time in Endobronchial Ultrasound-Guided Transbronchial Mediastinal Cryobiopsy**
Sze Shyang Kho, Shirin Hui Tan, Chaan Ian Soo, Hema Yamini Devi Ramamurtz, Chan Sin Chai, Nai Chien Huan, Khai Lip Ng, Yuji Matsumoto, Venerino Poletti, Siew Teck Tie

**High dose Emblica officinalis on cough suppression during endobronchial ultrasound bronchoscopy compared to Dextromethorphan and Placebo: a double blinded randomized controlled trial.**
Saroacha Phiphitsaengjan, Thititaw Sriprasart
PS-12 Session 08:00 - 09:30
Poster session: Novelties in alpha-1 antitrypsin deficiency

**Disease(s)**: Airway diseases

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

**Tag(s)**: Translational

**Chairs**: Ilaria Ferrarotti (Pavia (PV), Italy), Augusta Beech (Manchester, United Kingdom)

**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 Zdral, 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 (AATID EARCO LABNet) 2019-2022**
Magdalena Pecel (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 Garcia, 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 Zdral, 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 Balderacchi, 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, Galo 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 Angril Sellés (Sabadell (Barcelona), Spain), Yolanda Galea Colón, Anna Mola Ausiró, Jaume Bordas Martinez, Mireia Baiges Badia, Santi Mora Acosta, Julio Cesar Alfaro Alvarez, Enric Barbreta 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 Farraia, May Hagiwara, Ed G. Marin's, Anne E. Wyman, Lisi Wang, Suna 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), Held Julia, Felix Herth, Sabina Janciauskiene, Franziska Trudzinski

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

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

Analysis of emphysema severity and emphysema characteristics using quantitative computed tomography in patients with alpha-1 antitrypsin deficiency
Philipp Höger (Heidelberg, Germany), Claus Peter Heußel, Katharina Buschulte, Ralf Eberhardt, Sebastian Fähndrich, Julia Michels, Mark Oliver Wielpütz, Oliver Weinheimer, Arturo Olivares-Rivera, Johanna Benholz, Felix Herth, Franziska Trudzinski

Proteinase 3 (PR3) specific fibrinopeptide Aα-Val541 in alpha-1 antitrypsin deficiency (AATD) patients receiving a liver transplantation
Naomi Kappe (Leiden, Netherlands), Jan Stolk, Bart Van Hoek, Pieter Hiemstra

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

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

SERPINA1 Q0Q0 clinical presentation of a very rare alpha1 antitrypsin deficiency

**Session 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)
Lung function and onset of cardiometabolic diseases in the longitudinal Burden of Obstructive Lung Disease (BOLD) study
Christer Janson (Uppsala, Sweden), James Potts, Andrei Malinovschi, 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 Mchane, Meghan Marmor, Kunal Jakharia, Marcos Restrepo, Alan Barker, Mark Metersky, Kevin Winthrop, Doreen Addrizzo-Harris, Timothy Aksamit

The incidence of secondary spontaneous pneumothorax in patients with chronic obstructive pulmonary disease in Taiwan.
Kuang-Ming Liao (Tainan, Taiwan), Hsueh-Yi Lu

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 Frankemölle, Mehar Singh, Jacob Sont, Apostolos Bossios, Florence Schleich, Sanja Grele Popovic, Svetlana Sergejeva, Eleftherios Zervas, Zsuzsanna Csoma, Ineta Grisle, Kristina Biaksiene, Anneke Ten Brinke, Piotr Kuna, Florin Mihălțan, Sanja Hromis, Barbro Dahlén, Valentyna Yasinska, Bilun Gemiciglu, Sabina Škrarat, Ramesh J Kurukulaaratchy

Severe Asthma Multimorbidity Clusters Across Europe; Findings From SHARP
Anna Freeman (Southampton, United Kingdom), Aruna T Bansal, Sasa Rink, Betty Frankemölle, Mehar Singh, Sont Jacob, Apostolos Bossios, Florence Schleich, Sanja Popovic, Svetlana Sergejeva, Eleftherios Zervas, Zsuzsanna Csoma, Ineta Grisle, Kristina Biaksiene, Anneke Ten Brinke, Piotr Kuna, Florin Mihălțan, Sanja Hromis, Barbro Dahlén, Valentyna Yasinska, Bilun Gemiciglu, Sabina Škrarat, Ramesh J 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
Sandra Baldacci (Pisa (PI), Italy), Ilaria Stanisci, 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 Foosbol, 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 (Luleå, 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, Emiel F M Wouters, Marie-Kathrin Breyer

Menarche, menopause, and physician-diagnosed asthma in women
Michael Salisu (Lagos, Nigeria), Saliha Selin Özüyurt Ermis, Helen Adesoba, Selin Ercan, Daniil Lisik, Muwada Bashir, Reshed Abolahaka, 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 Jogi (Tallinn, Estonia), Ane Johannessen, Cecilie Svanes, Hulda Rosa Thorarinsdottir, Mathias Holm, Lars Modig, Vivi Schløssen, Rain Jögi, Christer Janson, Andrei Malinovschi
Sleep disorders and asthma incidence in adults: the CONSTANCES cohort
Annabelle Bédard (Paris, France), Sabine Plancoulaine, Benédicte Leynaert, Mohammed Sedki, Raphaëlle Varraso, Céline Ribet, Marcel Goldberg, Marie Zins, Orianne Dumas, Rachel Nadif

Francesca Gonnelli (Ancona, Italy), Martina Bonifazi, Richard Hubbard

Lung Cancer Screening Improves Time to Diagnosis of Interstitial Lung Disease (ILD)
Alexandra Lawrence (London, United Kingdom), Mariam Naqvi, Ruth Perez Renon, Katherine Myall, Kimuli Ryanna, Alex West

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-22  Session  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
Tag(s): Clinical
Chairs: Peter Jaksch (Wien, Austria), Louise Bondeelle (Geneva, Switzerland)

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

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

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

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

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

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

The pleural proteome in lung transplant recipients and non-transplant patients
Carlo Mümler (München, Germany), Michael Gerckens, Christoph Aboo, Nicole Weiss, Anna Semenova, Benjamin Neumann, Eleonora Tonino, Laura Lambrecht, Nikolas Lehnert, Ali Önder Yildirim, Herbert B. Schiller, Allan Stensballe, Jürgen Behr, Nikolaus Kneidinger

Characterization of baseline lung allograft dysfunction in single lung transplant recipients

Early outcomes after lung transplant from donation after cardiocirculatory death. Monocentric experience.
Mario Nosotti (Milano (MI), Italy), Alessandro Palleschi, Vittorio Searavalli, Margherita Brivio, Letizia Morlacchi, Valeria Rossetti, Lorenzo Rosso

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

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
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

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 Alejandro Peña Torres (Sant Cugat del Vallés, Spain), Ines Alejandra Betancourt Torres, Jacqueline Torres Castillo

Early detection of respiratory deterioration using continuous respiratory rate monitoring
Sherif Gonem (Ratby, 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 Frijia-Masson, Guillaume Cathelain, Emilie Bequignon, Ala Covali, Josselin Houenou, Hélène Benzaquen, Pierre Alexis Geoffroy, Mathieu Grjasoszez, Marie-Pia D’Orthro

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-Olivieri, Sarah Siegel, Gina Megson, Kevin Winthuope, 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 Demeure, 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 Michels, Julia Hoxa, 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 Abdullayev, Shovkat Muminov, Sherzod Iskhakov, Sherzod Alishbariev, 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, Alexander Pirojoc, Christophe Delacourt, Stéphanie Wanan, David Drummond
Artificial intelligence (AI) in detection of lung malignoma
Aleksandar Ivkovic (Niš, Republic of Serbia), Tamara Milosavljevic, Stevan Ivkovic, Dušan Ivkovic

PS-14  
Session 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), Andréanne Côté (Quebec, Canada)

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

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

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

Forced Expiratory Time: Added Value in Diagnosing Obstructive Ventilatory Defects
Khouloud Kchoou (Ariana, Tunisia), Chaïma Brikî, Soumaya Khaldi, Yosra Abdelhedî, Saloua Ben Khamsa Jâmeleddîne

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

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

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

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

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

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

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 Urre, Belén Marin Martinez, Pilar Cebollero Rivas

Burden of small airways dysfunction (SAD) asthma defined by oscillometry and spirometry among 1334 asthmatics across 5 centers in India
Sujata Chauthmal (Pune, India), Suhas Bardapurkar, Harshavardhan Vohra, Virendra Singh, Parthasarathi Bhattacharyya, Ragini Diwan, Shreela Bardapurkar, Udaiveer Singh, Sapna Madas, Ruby Swami, Abhishek Sabale, Meena Lopez, Jaideep Gogtay, Sundeep Salmvi, Deesha Ghorpade

Impact of new positive bronchodilator test criteria
Laura Cortezon (Bilbao, Spain), Edurne Echevarria, Teresa Bretos, Carlos Caldera, Jone Solorzano, Imanol Gonzalez, Eva Tabernerio, Larriat Garcia, Patricia Sobradillo, Nuria Marina

Expiratory Flow Limitation by FOT in a General Population and Comparisons with Matched Controls
Christoph Gross (Vienna, Austria), Christoph Valach, Hazim Abozid, Tobias Mraz, Chiara Veneroni, Pasquale Pompilio, Emiel F. M. Wouters, Sylvia Hartl, Marie-Kathrin Breyer, Robab Breyer-Kohansal
Clinical characteristics and functional parameters in significant smokers with preserved FEV1/FVC ratio: correlation with quality of life and exercise capacity
Besim Morina (Prishtina, Kosovo), Blerina Dervisholli, Leujeta Shabanaj, Edison Suka, Driton Hoti, Valmir Muhaxheri, Burim Neziri

The interplay between spirometric inspiratory measurements and asthma control
Chaima BRIKI (ariana, Tunisia), Khouloud Kchaou, Yossra Abdelhedi, Safa Dali, Saloua Ben Khamsa Jameleddine

Upper airway Obstruction in pregnancy : Does gestational diabetes has an influence ?
Rim Kammoun (Sfax, Tunisia), Fatma Al Zahra Yedally, Molk Maalej, El Heje Mouhamedou, Asma Haddar, Kaouthar Masmoudi

Prevalence of Bronchodilator response in a general population - Data from the Austrian LEAD cohort
Tobias Lorenz Mraz (Wien, Austria), Emiel F. M. Wouters, Ahmad Karimi, Charles G. Irvin, David A. Kaminsky, Sylvia Hartl, Marie-Kathrin Breyer, Robab Breyer-Kohansal

Impact of remote-monitored home non-invasive ventilation on patient outcomes: a retrospective cohort study
Eve Walker (Glasgow, United Kingdom), Charlotte Levey, Maureen Manthe, Anna Taylor, Maryam Sahibqram, Grace Mcdowell, Eric Livingston, Adam V. Benjafield, Chris Carlin

Characteristics of healthy subjects with positive bronchodilator response
Tobias Lorenz Mraz (Wien, Austria), Emiel F. M. Wouters, Ahmad Karimi, Charles G. Irvin, David A. Kaminsky, Sylvia Hartl, Marie-Kathrin Breyer, Robab Breyer-Kohansal

PS-25
Session 08:00 - 09:30
Poster session: Tuberculosis epidemiology, diagnostics and novel tools

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

Chairs : Antonia Saktiawati (Yogyakarta, Indonesia), Chair to be confirmed

The potential of an electronic nose as a screening tool for tuberculosis (TB)
Antonia Saktiawati (Yogyakarta, Indonesia), Kuwat Triyana, Shidiq Hidayat, Riris Ahmad, Ari Probandari, Dian Nurputra, Yodi MahendraDhata

Early experience with Xpert MTB/RIF Ultra point-of-care testing at the Singapore Tuberculosis Control Unit
Shera Tan (Singapore, Singapore), Lovel Galamay, Timothy Mark Sebastian Barkham, Huixian Woo, Suay Hong Gan, Bin Eng Cynthia Chee, Yee Tang Wang

Correlation between sputum Xpert MTB/RIF Ultra semi-quantitative load with acid-fast bacilli smear grade
Shera Tan (Singapore, Singapore), Lovel Galamay, Timothy Mark Sebastian Barkham, Huixian Woo, Bin Eng Cynthia Chee, Yee Tang Wang

Microbiological outcome of trace results on Xpert MTB/RIF Ultra: An early experience at Singapore’s Tuberculosis Control Unit
Lovel Galamay (Singapore, Singapore), Shera Tan, Timothy Mark Sebastian Barkham, Jerlyn Woo Huixian, Manraj Kaur, Cynthia Bin Eng Chee, Yee Tang Wang

Rashmi Ratnam (Lucknow, India), Parul Jain, Amita Jain

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
Dumitru Chesov (Chisinau, Republic of Moldova), Nelly Ciobanu, Valentina Polevoi, Elena Chesov, Alexandru Codreanu, Christoph Lange, Valeriu Crudu

Drug resistance characterization and whole genome sequencing of extensively drug-resistant (XDR) and pre-XDR M.tuberculosis from TB patients in Kazakhstan
Ulan Kozhamkulov (Astana, Kazakhstan), Zhamur Abilova, Ainur Akhmetova, Saule Rakhimova, Nuray Tynyshtykbayeva, Diana Karabekova, Asset Danyiarov, Ulygbek Kairov, Joseph Almazan, Ainur Akilzhanova

Emerging threats: PreXDR and XDR-TB strains among MDR-TB cases in Romania.
Traian Constantin Panciu (Constanta (Constanta), Romania), Dragos Baiceanu, Roxana Coriu, Ana Constantin, Emilia Tabacu, Oana Popescu, Irina Strambu, Elmira Ibraim, Beatrice Mahler
<table>
<thead>
<tr>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Emergence of bedaquiline resistance among clinical isolates of Multi-Drug Resistant-Mycobacterium tuberculosis from Northern part of India</td>
<td>Devendra Singh Chauhan (Agra, India), Ajay Vir Singh, Roopendra Kumar, Rajbala Yadav, Santosh Kumar</td>
</tr>
<tr>
<td>Association of multidrug-resistant tuberculosis with M.tuberculosis Beijing genotype among new cases in Kazakhstan</td>
<td>Ainur Akhmetova (Astan, Kazakhstan), Zhannur Abilova, Dauren Yerezhpeov, Anar Rakisheva, Ainur Akilzhanova, Ulan Kozhamkulov</td>
</tr>
<tr>
<td>Platelets aggregate in tuberculomas and augment NETs and MMP to worsen TB immunopathology in clinical, murine and in vitro studies</td>
<td>Hyeyoung Lee (Singapore, Singapore), Fei Kean Loh, Pei Min Thong, Xuan Ying Poh, Ting Huey Hu, Hai Targn 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>
</tr>
<tr>
<td>Single-cell transcriptome analysis reveals the heterogeneity of immune cells in peripheral blood of patients with mild and severe tuberculosis</td>
<td>Wei Sha (Shanghai, China), Li Wang</td>
</tr>
<tr>
<td>Genome wide differential methylation analysis reveals aberrant methylation of T cell immune response related genes in tuberculosis patients</td>
<td>Ankit Kumar (chandigarh, India), Indu Verma, Ashutosh Nath Aggarwal, Jyotdeep Kaur</td>
</tr>
<tr>
<td>Phenotypic characterization of Natural Killer Cells in Post Tuberculosis Pulmonary Sequelae</td>
<td>Anjana Talwar (Noida (Uttar Pradesh), India), Geetanjali Bade, Rupesh Srivastava, Karan Madan, Chaman Saini, Meghashree Sampath</td>
</tr>
<tr>
<td>Specific natural killer cells functional phenotypes are associated with different clinical spectrum of Mycobacterium tuberculosis infection</td>
<td>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</td>
</tr>
<tr>
<td>HUMAN-BETA-DEFENSIN-1, FERRITIN AND INTERLEUKIN-6: GENDER DIFFERENCES IN PATIENTS WITH PULMONARY TUBERCULOSIS</td>
<td>Lilia Todoriko (Chernivtsi, Ukraine), Olha Shevchenko, Iruna Ovcharenko, Olha Pohorie-lova</td>
</tr>
<tr>
<td>Role of matrix metalloproteinase-1 (MMP-1) on lung remodelling in post pulmonary tuberculosis sequelae</td>
<td>Retno Ariza Soemarwoto (Bandar Lampung, Indonesia), Hetti Rusmini, Anse Diana Valentiene Messah, Pad Dilangga, Adityo Wirbwo, Syazili Mustofa</td>
</tr>
<tr>
<td>Neutrophil hyperinflammation in uncontrolled DM drives tissue destruction in human pulmonary TB</td>
<td>Ting Huey HU (, Singapore), Pei Min Thong, Fei Kean Loh, Chen Bai, Hai Targn Chong, Hyeyoung Lee, Caroline Victoria Choong, Lovel Corpusz Galamay, Darius L. T. Beh, Alicia X. Y. Ang, Lionel H. W. Lum, Peiling Yang, Amanda Yuan Ling Lim, Shao Feng Mok, Andres F Vallejo, Shih Lung Kao, Catherine W. M. Ong</td>
</tr>
<tr>
<td>Linezolid-Resistant Mycobacterium Tuberculosis: A highly concerning situation for the Tuberculosis Eradication Programme</td>
<td>Sushma Yadav (Gwalior, India), Surya Kant, Amita Jain, Rashmi Ratnam</td>
</tr>
<tr>
<td><strong>PS-13</strong> Session 08:00 - 09:30</td>
<td><strong>Poster session: Clinical assessment of chronic obstructive pulmonary disease exacerbations</strong></td>
</tr>
<tr>
<td><strong>Disease(s):</strong> Airway diseases</td>
<td><strong>Method(s):</strong> Epidemiology General respiratory patient care Physiology Pulmonary function testing Public health Imaging</td>
</tr>
<tr>
<td><strong>Tag(s):</strong> Clinical</td>
<td><strong>Chairs:</strong> Gerard J. Criner (Philadelphia, United States), Marina Guecamburu (Bordeaux, France)</td>
</tr>
<tr>
<td><strong>Circulating mitochondrial signals during COPD exacerbation.</strong> Carlos Antonio Amado Diago (Santander (Cantabria), Spain), Paula Martin Audera, Juan Agüero Calvo, Diego Ferrer Pargada, Begoña Josa Laorden, Daymara Boucle, Ana Berja, Bernardo A Lavin, Armando R Guerra, Mayte García Unzueta, Pedro Muñoz Cacho, Cristina Ghadban, Enrique Peraita Fernandez, Milagros Ruiz De Infante, Tamara Quijano</td>
<td><strong>AECOPD prediction through a remote monitoring system</strong> Soumaya Balbolia (Égly, France), Florian Titquin, Sylvain Le Liepvre, Yann Le Guillou, Jean-Claude Cornu, Valérie Estève, Jean-Charles Dron, Marie Joyeux-Faure, Jean-Louis Pépin</td>
</tr>
<tr>
<td><strong>Detecting COPD exacerbations using AI predictive modelling with continuous temperature sensing</strong> Mairi MacLeod (London, United Kingdom), Aaron Braddy-Green, Ralph Lopez, Gavin C Donaldson, Claire E Hooper, Harald Braun, Jadwiga A. Wedzicha</td>
<td></td>
</tr>
</tbody>
</table>
Prevalence of Respiratory Syncytial Virus in Patients with Chronic Obstructive Pulmonary Disease and Its Impact on Exacerbation Rates
Jona Gjeloshi (Freiburg im Breisgau, Germany), Eleni Papakonstantinou, Leticia Grize, Daniel Schilter, Werner Strobel, Renaud Louis, Hans H. Hirsch, Michael Tamm, Daiana Stolz

Lower respiratory tract microbiome modulating exacerbation risks in COPD patients: a multi-omics meta-analysis
Hongli Jiang (Chengdu (Sichuan), China), Wei Liu, Mei Yang

Clinical phenotypes predict exacerbations of COPD: the TIE cohort study
Jens Ellingsen (Uppsala, Sweden), Christer Janson, Kristina Bröms, Amir Farkhooy, Maria Hårdstedt, Marieann Högman, Karin Lisspers, Andreas Palm, Björn Ställberg, Andrei Malinovschi

Activation of prothrombotic pathways during community-treated exacerbation of COPD
Mairi MacLeod (London, United Kingdom), Aaron Braddy-Green, Hassan Shabbakhi, James Manning, Ralph Lopez, Sam Bartlett-Pestell, Saravanam Vinayagam, Nilanthi Karawitage, Mike Laffan, Deepa Arachchilage, Jadwiga A Wedzicha

Comparative analysis of COPD exacerbations requiring hospital admission: pre, during, and post-COVID-19 pandemic in a tertiary centre in the UK
Sonia Mannan (Stoke-On-Trent, United Kingdom), Anna Mowat, Lokesh Kovvuri, Hifza Habib, Naveed Mustfa

COPD: performance of red cell distribution width in predicting exacerbation severity
Hend Ouertani (Tunis, Tunisia), Haifa Zaibi, Ameni Naoura, Emma Ben Jemia, Jihene Ben Amar

COPD: performance of red cell distribution width in predicting the occurrence of frequent exacerbations
Hend Ouertani (Tunis, Tunisia), Haifa Zaibi, Ameni Naoura, Emma Ben Jemia, Jihene Ben Amar

The effect of inhaled therapies on exacerbation risk in patients with chronic hypercapnic COPD receiving long-term non-invasive ventilation
Balázs Csoma (Budapest, Hungary), Zsofia Lazar, Andrew Chai, Andrew Bentley, Andras Bikov

Medication adherence to inhaler therapy and the risk of COPD exacerbations: a systematic review with meta-analysis
Delphine Vauterin (Ghent, Belgium), Frauke Van Vaerenbergh, Maxim Grymonprez, Anna Vanoverschelde, Lies Lahousse

Association of impulse oscillometry and spirometry with COPD exacerbations
Maja Badovinac (Ljubljana, Slovenia), Dren Gruden, Erik Lipej, Lana Novič, Matevž Harlander

Clinical course and outcomes in hospitalized patients with acute exacerbation of COPD based on the Rome severity classification
Hong-Joon Shin (Gwangju, Republic of Korea), Chan-Woo Park, Yong-Soo Kwon

Chest Ultrasonography in Chronic Obstructive Pulmonary Disease Across Stability and Exacerbation
Warda Jelassi (Tunis, Tunisia), Abir Hedhli, Khadija Euchi, Meriem Mjid, Yacine Ouahchi, Sana Cheikhrouhou, Sonia Toujani, Besma Dhaahri

Improving out of hospital care of management of COPD exacerbations using health technology (COPD Predict App) in a novel way to identify exacerbations.
Ashwin Rajhan (Stoke On Trent, United Kingdom), Ajit Thomas, Karen Jackson, Isabelle Babin-Cooper, Pamela Birks

CAT Score as a prognostic tool in low resource setting: Exploring the correlation between CAT Score, Exacerbation history with BODE Index
Jocelyn Joseph (Pune, India), Vishwanath Pujari

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

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

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

PS-3 Session 08:00 - 09:30
Poster session: A primary care approach to asthma
Disease(s): Airway diseases

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

Tag(s): Clinical

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

---

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 Ariri, Bélene Podmore, Alvaro Kitchin Velarde, Stephanie Y Chen

---

Multi-morbidity in Type 2 Disease: A Patient and Providers Survey
Ruth Tal-Singer (Medi, United States), Donna Gardner, Brian Lipworth, Alberto Papi, Dave Singh, Mary Jo Strobel, Robert Wise, Tonya Winders

---

Trends, attitudes, and perceptions of Indian physicians in allergic rhinitis management
Sandeep more (Thane, India), Mahesh Padukudru, Gaurav Medikeri

---

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 Ching, Ran Wang, Siti Nurkamilla Binti Ramdzan, Wei Lei Ng, Stephen Fowler, Khoo Ee Ming, Hilary Pinnock, Erol Gaillard

---

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

---

The impact of periodontal therapy on respiratory health: an intervention study
Anders Rosland (BERGEN, Norway), Andrei Malinovscii, Dagmar F. Bunæs, Stein Atle Lie, Randi J. Bertelsen

---

FeNO guided primary care interventions in patients with high SABA use
Job F.M. van Boven (Groningen, Netherlands), Piet Ooms, Gerda Compagne

---

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 Imaduddin Ahmed, David Lo, Erol Gaillard

---

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

---

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

---

Comparing SABA-free asthma management with Primary care SABA users.
Luis Javier Nannini (Rosario (Pcia. Santa Fe), Argentina), Martin Sivori, Nadia Brandan, Luciano Capelli, Octavio Fernandez, Claudio Gonzalez

---

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

---

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

---

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

---

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

---

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

---

A randomized crossover study assessing critical errors and preferences of two commonly used multi-dose dry-powder inhalers
Job van der Palen (Enschede, Netherlands), Pjotr Tinke, Martijn Goosens, Wendy Van Beurden
Influence of inhalation profile on deposition in COPD and Asthma patients
Wendel Dierckx (Kontich, Belgium), Kris Ides, Yinka De Meyer, Erik Franek, Hosein Sadafi, Navid Monshi Tousi, Jan De Backer, Willfried De Backer

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

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

<table>
<thead>
<tr>
<th>Disease(s)</th>
<th>Pulmonary vascular diseases</th>
<th>Airway diseases</th>
<th>Interstitial lung diseases</th>
<th>Respiratory critical care</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Method(s)</strong></td>
<td>General respiratory patient care</td>
<td>Physiology</td>
<td>Pulmonary function testing</td>
<td>Epidemiology, Public health, Pulmonary rehabilitation, Imaging, Respiratory intensive care</td>
</tr>
<tr>
<td><strong>Tag(s)</strong></td>
<td>Clinical</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Chairs</strong></td>
<td>Timothy Hinks (Oxford, United Kingdom), Sachin Ananth (London, United Kingdom)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**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

**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

**Association between endothelial dysfunction and pulmonary function in patients with post SARS-COV-2 infection**
Celemi Vigil-Lopez (Mexico City, Mexico), Celemi Vigil-Lopez, Arturo Orea, Dulce Gonzalez, Rocio Sanchez, Andrea Zurita, Laura Arcos, Emilio Gutierrez, Tomas Pena, Frida Albarran, Arantza Aguirre, Amor Xospa, Antonio Sanchez, Ariel Garcia, Karen Sanchez, Benigno Valderrabano, Carlos Patricio Chávez-Guzmán

**Clinical and physiological variables in post-COVID-19 patients with and without fatigue**
Luís Mauricio Batáln Júnior (Sorocaba, Brazil), Maércio Santos, Mariana Dorna, Estefânia Franco, Jéssica Geronutti, Luis Brizola, Yasmin Barros, Adrielle Costa, Carolina Breda, Caroline Marin, Bruno Freire, Suzana Tanni, Robson Prudente

**Validation of the 'Post-COVID-19 Functional Status Scale (PCSF)' in patients with COVID-19 infection**
Olga Milena García Morales (Bogotá, Colombia), Juan David Botero, Socorro Moreno Luna, Martha Delgado Ramirez, Fabian Gil Laverde

**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 Todorik, Evelina Lesnic

**Follow-up of children with Long COVID**
Handan Kekeç (Turkey, Turkey), Tuğba Şişmanlar Eyüboğlu, Pelin Asfuroğlu, Zeynep İlksen Hocoglu, 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 Habshydez (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 Ugalé (Batac, Philippines), Ronnette Solante, Edna Edrada

**Changes in body composition in patients with ischaemic heart disease and post-COVID-19 syndrome.**
Jose Antonio Sanchez Paredes (Ciudad de Mexico, Mexico), Laura Arcos, Arturo Orea, Dulce Gonzalez, Rocio Sanchez, Emilio Gutierrez, Tomas Peña, Frida Albarran, Arantza Aguirre, Amor Xospa, Antonio Sanchez, Ariel Garcia, Karen Sanchez, 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 LÓPEZ (Mexico City, Mexico), Andrea Zurita Sandoval, Dulce Gonzalez, Arturo Orea, Rocio Sanchez, Laura Arcos, Emilio Gutierrez, Tomas Pena, Frida Albarran, Arantza Aguirre, Estefania Xosca, Jose Sanchez, Ariel Garcia, Celemi Vigil

**Is there a need for prolonged anticoagulation after COVID-19?**
Natalia Habshydez (Dnipro, Ukraine), Tetyana Pertseva, Lyudmyla Konopkina, Yuliia 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 Peñalvo, 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 (Chongqing), China), Cai Li, Huyu Wang

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

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

**PS-5 Session**
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), Chair to be confirmed

- 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 Jasuja, Benjamin Neetz, Philipp Höger, Jan Meis, Simone Britsch, Urte Sommerwerck, 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

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

- Transforming antimicrobial usage: unveiling the impact of prospective audit and feedback in curbing overuse through a quasi 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, Amol 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), Jianbo 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.
Esra Temel (Edirne, Turkey), Pervin Hancı, Furkan Bilir, Bilkay Serez

Comparison of inflammatory profiles in ARDS due to viral or streptococcal infection vs acute exacerbation of ILD
Benjamin Seeligler (Hannover, Germany), Emily Jo Winter, Mohamed Elbalkini, Jannik Ruwisch, Thorben Pape, Bahar Nalbant-Avcı, 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.
Adrian Ceccato (Barcelona, Spain), Berta Cistero, Elena Campaña, Marta Camprubi, Aina Areny, 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 Fernández (Ciudad de México, 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), Natalia Vallianou, Dimitrios Tsilingiris, Gerasimos-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-17 Session 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

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

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

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 Lächtrath, Josef Cyrys, Simonas Kecorius, Petra Gastmeier, Barbara Hoffmann, Miriam Wiese-Posselt

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
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

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

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

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 Gislasson, Joachim Heinrich, Mathias Holm, Christer Janson, Iana Markevych, Lars Modig, Hans Orru, Vivi Schlüssens, Torben Sigsgaard, Ane Johannessen

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

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 C Dharmage, Martin Röösli, Urs Frey

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, Javaid Ahmed Khan, Shaheer Masroor, Ali Zubairi, Zainad Samad, Ali Usman

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

The impact of indoor environment factors on respiratory conditions among both children and adults in Turkey
Merve Selçuk (İstanbul, Turkey), Ceren Ayca Yıldız, Ela Erdem Eralp, Almala Pınar Ergenekon, Caner Cınar, Derya Kocakaya, Yasemin Gokdemir, Bulent Karadag

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

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

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), Huining Feng, Nicholas Grubic, Xin Liu, Hui Zhang, Xiaolin Wei, Kai Zhang, Ming Luo, Liang Chen

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

Dwelling mould profiles and current asthma in the CONSTANCES cohort
Marine Savouré (Paris, France), Tajdine Tsiavia, Sèverine Affeldt, Emilie Fréalle, Valérie Bex, Orianne Dumas, Marcel Goldberg, Nicole Le Moual, Céline Ribet, Nicolas Roche, Marié Zins, Bénédicte Leynaert, Laurent Orsi, Rachel Nadif

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 Sato, Kazuhioko Watanabe, Yuchi Matsuo, Toshinari Hayashi, Toru Tsuda, Minoru Yoshida, Yoshihisa Fujino, Hiromasa Inoue, Hisamitsu Omori

Influence of air pollutants on risk of asthma admission in 3 largest urban agglomerations in Poland
Artur Badya (Warszawa, Poland), Piotr Dąbrowiecki, Agata Dąbrowiecka, Anna Piorkowska, Andrzej Chcialowski

PS-19 Session 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)

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 Hajar, Feki Walid, Kammoun Samy

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

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

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

Opportunities of using ChatGPT for smoking cessation
Anna V Demchuk (Vinnytsia, Ukraine), Vitalina Harkusha, Vitalii Poberezhets, Tetyana Konstantynovych, Alina Dovgan, Nataliai Slepenchenko, Oksana Vilsansuk, Marria Ovchark

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

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

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

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 Idrose, Jonathan Pham, Bircan Erbas, Michael Abramson, Haydn Walters, Shyamali Dharmage, Dinh Bui

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 Melén

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

Prevalence of smoking among healthcare personnel
Nemsi Ella (Tunis, Tunisia), Jaeil Nazhiha, Jidi Mohamed Taher, Fenina Wafa, Aouadi Samira

Education, knowledge and Attitudes of midwives about smoking cessation perinatally. An update on the situation in Greece.
Paraskevi Katsaounou (Athens, Greece), Taxiarchoula Delakova, Athina Diamanti

Assessment of an optimised tobacco smoking exposure calculation
Sarah Freeley (Dublin, Ireland), Barry Moran, Cormac McCarthy, Rachel Anglin, Alessandro Franciosi

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

Tobacco use status after one year depending on the type of tobacco
Makiko Kanai (Kyoto, Japan), Osamu Kanai, Takahiro Tabuchi
Cannabis: the new tobacco?  
Elif Dagli (Istanbul, Turkey), Ummuhan Pece Sonmez, Pınar Pazarlı, Osman Elbek, Banu Salepci, Füsun Yıldız, Pınar Ay, Murat Giner

The value of online education in postgraduate smoking cessation training  
Jia Zhou (Chongqing, China)

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

Knowledge, attitude and practice of smoking vape among medical students in Karachi, Pakistan.  
Eman Sheikh (Karachi, Pakistan), Ashok Kumar

Poster session: Emerging concepts in exercise testing and training in respiratory disease

Effects of Different Exercise Training Modalities on Exercise Capacity and Respiratory Muscle Function in Lung Cancer Survivors: a pilot study  
Naciye Vardar Yağlı (Ankara, Turkey), Kübra Kilic, Melda Saglam, Ebru Calık Kütükcü, Deniz İnal Ince, Saadettin Kilickalp

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, Sonia Silva, Cláudia Laires Dos Santos, Maria Vitória Martins, André Canha, Bárbara Oliveira, Raul A. Martins, Joana Cruz

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 Ruttens, Alda Marques, Chris Burtin

Effects of chair-based exercise training on functional exercise capacity in patients with acute exacerbation of chronic obstructive pulmonary disease  
Zeynep Pelin Dündar (Konya, Turkey), Nihan Kafa, Neslihan Durutürk, Hülya Vatansev, Adil Zamani

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 Mcanulty, Jennifer Alison

"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

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 Rozen ski, Sofie Breuls, Astrid Blondeel, Fien Hermans, Stephanie Everaerts, Eric Derom, Win 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 Smendonck, Yann Combret, Clément Médrial, 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 Smendonck, Yann Combret, Clément Médrial, 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, Glaucio 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 Calık-Kutukcu, Erdal Yekeler

Investigation of exercise capacity, respiratory and peripheral muscle strength and fatigue in patients underwent pneumonectomy for lung cancer
Gülsüm Serterğaş Güven (Burdur, Turkey), Meral Boşnak Güclü, 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 Katayfçioğlu (Hatay, Turkey), Meral Boşnak Güclü

Cardiac hemodynamic behavior during the 1-minute sit-to-stand test in pulmonary hypertension patients
Vanessa Resqueï (Natal (RN), Brazil), Ilza Priscila Santos, Natália Cardoso, Karen Laurenthinoo Nascimento, Steffany 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 Güclü, Caner Aytekin

Effect of elastic tape on the thoracoabdominal kinematics in moderate to very severe individuals with COPD: a crossover study
Estéfane 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

Deep learning-based design of cell-targeting ligands enables targeted and functional siRNA delivery to lung cell subsets
Kyler Lugo (Berkeley, United States), Chad Miller, Thi Trinh, Chang-Wook Lee, Celina Huang, Hannah Chen, Wing Poon, Jim Martineau, Seth Myers

Dupilumab antagonizes the stimulatory effects of IL-13 on mucin production by human bronchial epithelium cells.
Francine Medjiofack Djeujo (PADUA, Italy), Davide Malfacini, Marco Solimano Negrini, Giulia Natali, Silvia Pontis, Marcello Trevisani, Girolamo Calò

Application of 20 nanometer bacterial cellulose in the inhibition of airway inflammation in asthma
Qi Yu (Guangzhou, China)

Role of Polo-like kinase 1 in T2-low asthma model
Yilin Pan (Shanghai, China), Yishu Xue, Xia Fei, Xue Zhang, Lei Zhao, Lei Han, Hang Su, Wuping Bao, Yan Zhou, Yingyin Zhang, Guogang Xie, Diping Kong, Min Zhang

Effects of inter-alpha-trypsin inhibitor heavy chain 4 on microbiome in OVA-induced asthma mouse
YI-HSUAN LIU (Taipei, Taiwan), Hsiao-Chi Chuang

The anti-IL-33 antibody, itepekimb, potently blocks airway inflammation post a single dose in mice
Seblewongel Asrat (Tarrytown, United States), Randi Foster, George Scott, Dylan Birchard, Li-Hong Ben, Jeanne Allinne, Andrew Murphy, Pamela Krueger, Matthew Sleeman, Jamie Orengo
Quantitative analysis of airway epithelial nerve subtypes in refractory/unexplained chronic cough
James Wingfield Digby (Manchester (Greater Manchester), United Kingdom), Chadwick Smith, Becky Proskocil, Rachel Dockry, Bashar Al-Sheklly, Jenny King, Bethany Massey, Simon Stephan, Shannon Galgani, Kimberley Holt, Shilpi Sen, Jacky Smith, Paul Marsden, Matthew Drake

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

Inhibition of IL-4Rα in bronchial epithelial cells reduces CCL26 and TSLP without affecting antiviral immune responses
Jelena Pesic (Mölndal, Sweden), Juan José Nieto Fontarigo, Sofia Malm Tillgren, Pablo Miguéns Suárez, Samuel Cerps, Katerina Pardali, Stephen Delaney, Lena Uller

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 Losa, Patrick Mallia, Aran Singanayagam, Michael Edwards, Sebastian Johnston

Chronic smoke exposure reduces epithelial IL-33 expression and barrier integrity in cell culture
Sophie Booth (Manchester, United Kingdom), Andrew Higham, Dave Singh

Role of Sphingosine-1-phosphate pathway in Bisphenol A-induced inflammatory response in airway epithelial cells
Martina Simonelli (AVERSA, Italy), Elisabetta Granato, Ida Cerqua, Antonietta Rossi, Fiorentina Roviezzo

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 Losa, Patrick Mallia, Aran Singanayagam, Michael Edwards, Sebastian Johnston

Inhibition of IL-4Rα in bronchial epithelial cells reduces CCL26 and TSLP without affecting antiviral immune responses
Jelena Pesic (Mölndal, Sweden), Juan José Nieto Fontarigo, Sofia Malm Tillgren, Pablo Miguéns Suárez, Samuel Cerps, Katerina Pardali, Stephen Delaney, Lena Uller

Quinolinic Acid modulates pulmonary inflammatory response to influenza infection
Guillaume PAMART (Lille, France), Odile Poulain Godefroy, Philippe Gosset, Olivier Le Rouziec

Animal models to assess potential post-inhalation irritant effects associated with inhaled drugs.
Daniela Miglietta (Parma (PR), Italy), Andrew Allen, Irene Bassanetti, Davide De Angelis, Maurizio Civelli, Gino Villetti

Effects of melatonin in the airways of an Asthma-COPD overlap model
Marcela Sousa João (São Paulo, Brazil), Cristiane Cassia Ribeiro, Francine Maria Almeida, Fernanda Roberto, Leandro Nascimento Camargo, Silvia Fukuzaki, Renato Fraga Righetti, Iolanda Fátima Lopes Calvo Tibério, Edna Leick

Induction of allergic airway inflammation amplifies mast cell response in guinea pig intralobular bronchi
Mikael Adner (Stockholm, Sweden), Mu Nie, Jielu Liu, Yujiao Xiang, Gunnar Nilsson, Jesper Säfhoml

TLR Agonists Induce Airway Functional Changes and Inflammation in Guinea Pigs.
Yujiao Xiang (Solna, Sweden), Jielu Liu, Mu Nie, Gunnar Nilsson, Jesper Säfhoml, Mikael Adner

Navitoclax inhibits senescence in human alveolar type 2 cells from COPD patients
Yiling Guo (London, United Kingdom), Peter Fenwick, Patrizia Viola, May Al-Sahaf, Peter J. Barnes, Louise E. Donnelly

Experimental and clinical te affects of Zataria multiflora and its constituent, carvacrol in chronic obstructive pulmonary disease patients
Mohammad Hossein Boskabady ( Mashhad, Islamic Republic of Iran), Vahideh Ghorani, Omid Rajabi, Majid Mirsadracee, Shadi Ghaffari

PS-26 Session 08:00 - 09:30

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

Differential diagnosis of tuberculosis and sarcoidosis related mediastinal lymph nodes using PET-CT radiomic analysis
Damla Serçe Unat (Konak, İzmir, Turkey), Nurşin Agüloğlu, Ömer 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), Angelina Pieters, Tjeerd Van Der Veer, Eleni-Rosalina Andrinopoulou, Punt Makani, Stefano Alberti, Pierre-Regis Burgel, Pieter Goeminne, Michal Shteinberg, Michael Loebinger, Charles Haworth, Francesco Blasi, Daan Caudri, Pierluigi Ciet, James Chalmers, Harm Tiddens
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 Cumplí, 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 Ziaghi, 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), Lê Quốc Khánh Trần, Truc Thai-Thanh, Khoo 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 anatopathological phenotypes of persistent COVID-19 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 Rosi, Paola Parronchi, Gian Maria Rossolini, Federico Lavorini, Sara Tomassetti

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

hyperinflation in bronchiectasis : a series of 94 patients
Tarek Djenfi (Batna, Algeria), Mohamed Redha Selmani, Feryel Chaouki, Merzak Gharanaout, Abdelmadjid Djebbar

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, 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 Chiotopoulos, Dimitrios Kaitatzis, Nikolaos Kostakis, Eleni Andreoglou, Efterpi Tirkidou, Didem Moustafaoglu, Nikoletta Paxinou

Elvira Markela Antonogiannaki (Athens, Greece), Ioannis Grigoropoulos, Effrosyni D Manali, Konstantinos Thomas, Maria Kallieri, Panagiota Alexopoulou, Andriana I Papaoannou, Spyridon Prountzos, Anastasia Karachaliou, Christina Kontopoulou, Vagia Karageorgou, Stefanos Lampadakis, Myrto Blizou, Ioannis Tomos, Sotiria Grigoropoulou, Dimitra Kavatha, Stelios Loukides, Anastasia Antoniadou, Spyros A Papisir

Lung function decline in bronchiectasis
Dejan Radovanovic (Milano (MI), Italy), Sarah O'Donnell, Andrea Gregame, Pierachille Santus, Stefano Aliberti, Francesco Blasi,
**PS-30**

**Session** 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:** Fida Charif (Beirut, Lebanon), Chair to be confirmed

---

**Artificial intelligence quantitative Analysis of Pulmonary Morphological Metrics in CTEPH and CTEPD patients: A Single-Center Comparative Study**

Min Liu (China), Wenqing Xu, Linfeng Xi, Yifei Ni, Jianping Wang, Wanmu Xie

---

**Role of microbial-derived metabolites in the pulmonary embolism. MICTEP study.**

Remedios Otero Candelera (Sevilla, Spain), Alberto García Ortega, Rosa Del Campo Moreno, José Luis Lobo Beristain, Verónica Sánchez López, José Avendaño Ortiz, Ana Pedro Tudela, Cristina De Juana Izquierdo, Laura Taberner Lino, Grace Oscullo Yepez, José Daniel Gómez Olivas, David Jiménez Castro

---

**Investigation of the sclerosing effect of increasing doses of polidocanol on pulmonary vessels: Experimental study**

Duygu Zorlu (İzmir, Turkey), Özdemir Imran, Nuray Bayar Muluk, Enes Gängör, Evrim Yılmaz, Cemal Cingi

---

**An observational study of PE-related mortality trends in EU15+ countries across a 20-year period**

Yueqi Ge (Ealing, United Kingdom), Justin D Salciccioli, Leanne Cheng, Joseph Shalhoub, Dominic C Marshall, Gulammehdi Haji

---

**Treatment and long term follow-up results in patients with pulmonary vascular thrombosis related with COVID-19**

Nigar Aliyeva (İstanbul, Turkey), Baket Çalışkaner Öztürk, Burçak Kılıçkıran Avcı, Ersan Atahan

---

**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, Zhengu Zhai, Chen Wang

---

**Whole genome sequencing identifies low frequency mutations: GP6,TET2 and JAK2 of VTE in Chinese Han familial cohort**

Zhu Zhang (China), Mingming Su, Yu Zhang, Haobo Li, Xianbo Zuo, Peiran Yang, Zhengu Zhai, Chen Wang

---

**Risk assessment in lung cancer-associated pulmonary embolism (LCA-PE)**

Francesco Tannura (Pisa, Italy), Andrea Sbrana, Antonio Chella, Alessandro Celi, Roberta Pancani, Laura Carrozzi

---

**Chronic Thromboembolic Pulmonary Hypertension (CTEPH) after COVID-19-associated pulmonary embolism in France: a nationwide study**

Pierre Tankéré (Lyon, France), Jonathan Cottenet, Nicolas Favroli, Anne Sophie Mariet, Emilie Lajeune, Guillaume Beltramo, Marjolaine Georges, Philippe Bonniaud, Catherine Quantin

---

**Clinical characteristics, risk factors and outcomes of acute pulmonary embolism in Thailand: 6-year retrospective study**

Pattarin Pirompanich, Ornnicha Sathitakorn, Teeraphan Suppakomonnun, Tunlanut Sapankaew

---

**A Single-cell Census of Pulmonary Endarterectomies Tissue across different anatomical regions in chronic thromboembolic pulmonary hypertension**

Rui Zhang (Shanghai, China), Sugang Gong, Yunlong Zhang, Huiting Li, Qinhuai Zhao, Lan Wang

---

**The effect of age on mortality after pulmonary endarterectomy**

Sehnaz Olgun Yıldızeli (İstanbul, Turkey), Hüseyin Arikan, Ashı Tufan, Halil Ataş, Derya Kocakaya, Koray Ak, Sait Karakurt, Bedrettin Yildizeli

**PS-24**

**Session** 08:00 - 09:30

**Poster session: Highlights of respiratory physiotherapy assessments**

**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 BRAZILIAN POPULATION
Lucien Peroni Gualdi (Natal (RN), Brazil), Lucien Peroni Gualdi, Lenice Da Costa Lopes, Maria Luiza De Araújo Teixeira, Layane Costa Da Silva, Rencio Bento Florêncio, Iolisa Florentino Lima

Portuguese version of the King’s Brief Interstitial Lung Disease questionnaire: measurement properties
Raquel Vilar Marinho (Coimbra, Portugal), Cátia Paixão, Luís Lázaro, Maria João Cavaco, Inês Farinha, Joana Pacheco, Cintia Dias, Sérgio Campainha, Tiago Alfaro, Maria Aurora Mendes, José Joaquim Alvarelhão, Alda Marques

Unravelling support needs and informal care in COPD and ILD
Cintia Dias (Aveiro, Portugal), Ana Sofia Grave, Raquel Marinho, Cátia Paixão, Patrícia Rebelo, Guilherme Rodrigues, M. Aurora Mendes, Alda Marques

Assessment of lung health needs among patients with chronic respiratory diseases attending in a Nigerian tertiary health facility
Jibril Mohammed (Kano, Nigeria), Yusuf Bala, Aishat Shittu

Physical and emotional recovery in intensive care survivors: 12 month observational study
Selina M Parry (Parkville (VIC), Australia), Zoe Calulo Rivera, Madeline Cavallaro, Catherine Granger

Barriers and facilitators of digital health use in children and adolescents with bronchiectasis: Perspectives of parents and healthcare professionals.
ELENI KORTIANOU (Athens (Alimos), Greece), Vaia Spinou, Konstantinos Douros, Eleni Kapreli

Validation of the Late-Life Function and Disability Instrument in people with COPD
Astrid Blondeel (Leuven, Belgium), Heleen Demeyer, Victoria Alcaraz-Serrano, Sara Butterly, Joren Buekers, Nikolaos Chynkiamis, Alicia Josa Cullerê, Laura Delgado-Ortiz, Anja Frei, Lies Glorie, Elena Gimeno-Santos, Nicolas Hopkinson, Emily Hume, Carl-Philip Jansen, Anne Kirsten, Sarah Koch, Dimitrios Megaritis, Paulien Mellaerts, Milo Puhan, Ioannis Vogiatzis, Henrik Watz, Marieke Wuyts, Judith Garcia-Aymerich, Thierry Troosters

Reliability and validity of Thai version of Baseline Dyspnea Index (BDI) and Transitional Dyspnea Index (TDI) in patients with COPD
Sauwaluk Dacha (Chiang Mai, Thailand), Khaniththa Wonglangka, Rungtiwa Kanthain, Busaba Chuatrakoon, Arisa Parameyong, Warawut Chaiwong, Nutchanok Niyatiwatchanchai, Theerakorn Theerakittikul, Chaicharn Pothirat

Translation and Cross-Cultural Adaptation of the Self Evaluation of Breathing Questionnaire into Danish
Karen Hjerrild Andreasson (Næstved, Denmark), Julie Sandell Jacobsen, Anja Leth Egsgaard, Kate Rauff Denby, Charlotte Hylgaard, Uffe Bodtger, Charlotte Suppli Ulrik, Lone Saadat, Rosalba Courtney, Anne Mette Schmidt

Understanding the utility of the Breathing Pattern Assessment Tool in assessment of breathing pattern disorders (BrPD)
Ella Macierewicz (London, United Kingdom), Lizzie Grillo, Chloe Bloom

First Nations People Perspectives on Telehealth Physiotherapy: A Qualitative Study Focused on the Therapeutic Relationships
Débora Melissa Petry Moecke (Florianópolis, Brazil), Travis Holyk, Stacy Maddocks, Kristin Campbell, Kendall Ho, Pat Camp

Pediatric cystic fibrosis patients' respiratory functions may be affected by parental attitude
Vildan Bayrakturoglu (Istanbul, Turkey), Zeynep Selçuk, Seda Saka, Erkan Çakır

Developing a consensus on the terminology and assessment of breathing pattern disorders
Fiona Schreuder (Swansea, United Kingdom), Lizzie Grillo, Anne-Marie Russell, Harriet Shannon, Nicholas Hopkinson, Chlooe Bloom, Elizabeth Easton

Patients’ and physiotherapists’ perspectives on most relevant treatable traits of functioning in patients with severe exacerbation of COPD: An international survey
Naiara Leonardi (São Carlos, São Paulo, Brazil), Joana Cruz, Débora Mayumi Kawakami, Audrey Borghesi-Silva, Chris Burtin, Renata Gonçalves Mendes

Airway Stents: Development of a physiotherapy guideline
Niamh Flynn (London, United Kingdom), Natasha Venchard, Ricky Thakrar, Rebecca Livingston

Developing a pulmonary rehabilitation (PR) train-the-trainer programme for PR-staff to set up a lay health workers service.
Arietta Spinou (London, United Kingdom), Katherine Harris, Gill Gilworth, Emma Godfrey, Natalie King, Jessica Kawalek, Riddhi Daryanani, Simon Lewin, Patrick White

Peripheral muscle function performance and sex differences among patients with chronic obstructive pulmonary disease
Simone Pancera (Milan, Italy), Riccardo Buraschi, Luca Nicola Cesare Bianchi
The relationship of respiratory function and peripheral muscle strength in children with cystic fibrosis
Zeynep Selçuk (İstanbul, Turkey), Vildan Bayraktaroglu, Seda Saka, Erkan Çakır

Pediatric normative data on tongue protrusion for subsequent comparison in children with obstructive sleep-disordered breathing.
Pierre Cnockaert (Brussels, Belgium), Eugénie Pletinckx, Guillaume Van Wijmeersch, William Poncin

PS-11 Session 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)

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

Determinants of oxidative stress and antioxidant status in COPD
Maja Babovican (Ljubljana, Slovenia), Dren Gruden, Erik Lipej, Josko Osredkar, Lana Novic, Ales Jerin, Matevz Harlander

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

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

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

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

Small airway function in patients with alpha1-antitrypsin deficiency. Correlation with quality of life and exercise capacity.
Dimitrios Toumpanakis (Athens, Greece), Martyn Biddiscombe, Sally Meah, Sun Logan, Theodoros Vassilakopoulos, Carole A Ridge, Nick S Hopkinson, James P Allinson, Omar S Usmani

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 Bracciali, Greta Insalata, Lorenzo Petrini, Marco Rodari,Rubina Giulia Girolamo, Valentina Musto, Federico Lavorini, Gianna Camicicottoli

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

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

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 Ghahibaf

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 Önder, Aysen Gunel-Ozcan, Zeliha Gunur 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 Gandalioyp

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'Abrasca, Gaetano Malgieri, Roberto Fattorusso, Carmelo Puglia, Bruno D'Agostino

**PS-16 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

**Proteins3-3 in plasma and BAL in patients with COPD**
Julie Hestnes (Bergen, Norway), Gunnar Husebø, Rune Nielsen, Ingvid Haaland, Bahareh Jouleh, Nathalie Reuter, Pieter Hiemstra, Tomas Mikal Egan

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

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

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 Möller Weinreich

Serum eosinophil-derived neurotoxin levels in machine learning-derived respiratory symptom clusters in adults
Daniil Lisik (Gothenburg, Sweden), Salima Selin Ozuyugu Ermis, Carina Malmhåll, Rani Basna, Reshed Abohalaka, Selin Ercan, Muwada Bashir Awad Bashir, Radihka Jadhav, Linda Ekerljung, Madeleine Rådinger, Jan Lötvall, Göran Wennergren, Helena Backman, Magnus Borres, Hannu Kankaanranta, Bright Ibeaugbuchi Nwaru
**Biomarker profiles across obstructive and non-obstructive lung function trajectories**
Jonas Eriksson Ström (Umeå, Sweden), Helena Backman, Per Liv, Anne Lindberg, Anders Blomberg

**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

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

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

**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, Wouters, Marie-Kathrin Breyer

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

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

**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

**Validation of self-reported asthma medication use in Sweden and Finland**
Elias Nurmi (Tampere, Finland), Iida Vähätalo, Heidi Andersén, Päivi Piirilä, Paul Lassmann-Klee, Arnulf Langhammer, Johan Persson, Linnea Hedman, Caroline Stridsman, Anne Lindberg, Eva Rönmark, Linda Ekerljung, Bright Nwaru, Hannu Kankaanranta, Helena Backman

**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 Berteaud, Magalie Dupuy-Grasset, Frédéric Le Guillou, Boris Melloni, Laurent Portel, Anne Prud'Homme, Alain Didier, Mathieu Molimard, Laurent Guilleminault, Chantal Raherison-Semjen

**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

**Machine learning-derived asthma phenotypes in a Swedish adult population-representative sample**

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

**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

**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-15 Session 08:00 - 09:30**
Poster session: It's better to be alone than in bad company: the impact of comorbidities on airways disease progression and management

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

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

**Tag(s) :** Translational
Impact of comorbidities on baseline characteristics in severe asthmatics in the German Asthma Net (GAN)
Slagjana Stoshikj (Wien, Austria), Andreas Renner, Christina Bal, Sonja Zehetmayer, Daniela Boryshehuk, Dirk Skowasch, Katrin Milger, Christian Schulz, Margret Jandl, Rainer Ehmann, Olaf Schmidt, Roland Buhl, Eckard Hamelmann, Christian Taube, Stephanie Korn, Marco Idzko

The impact of adipose eosinophils on diet-induced airway hyperresponsiveness in mice
Becky Proskocil (Portland, United States), Gina Calco, David Jacoby, Allison Fryer, Zhenying Nie

Asthmatic patients with normal body mass index and high body fat percentage
Masako To (Saitama, Japan), Yoshihito Arimoto, Natsue Honda, Kosuke Haruki, Yasuo To

The Impact of Metabolic Syndrome on the Management of Asthma and COPD: An Observational Study
Rajeev Ranjan, Devendra Prasad Singh, Utkarsh Singh

Association between Diabetes, Glycemic Control, and All-Cause and Cardiovascular Mortality in Asthmatic Adults
Jun Wen (Chongqing, China), Shuliang Guo

Effect of Hormonal fluctuations on asthma and rhinitis during the menstrual cycle
Samia Aissani (Algiers, Algeria), Ali Zitouni

Characteristics of asthma in patients with NSAID hypersensitivity
Elif naz Sancar (Altındağ, Turkey), Oguz Karcigolu, Gul Karakaya, Ali Fuat Kalyoncu, Ebru Damadoglu

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

Baseline characteristics of patients with chronic rhinosinusitis with nasal polyps and coexisting asthma initiating dupilumab in the AROMA global registry
Juby A. Jacob-Nara (Bridgewater, NJ, 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, Harry Sacks

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, Bert Juliá, Joaquim Mullol

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 Idzko, Sven Schneider, Julia Eckl-Dorna

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

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

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

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

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

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

Cognitive impairment in patients with COPD.
Tehreem Ahmad (Karachi, Pakistan), Asma Arman, Hina Asghar, Tahir Ansari
Efficacy of Mepolizumab in a cohort of patients with severe eosinophilic asthma and bronchiectasis after 6 years of treatment: a single centre study
Gerardo Nazzaro (Caserta, Italy), Antonio Caso, Simonetti Giuseppe, Iannone Francesca Paola, Lorena Gallotti, Anna Agnese Stanziola

HLA-DR immunopeptidomics on cells from bronchoalveolar lavage in early rheumatoid arthritis
Benedikt Zöhrer (Stockholm, Sweden), Ákos Végvári, Vijay Joshua, Iryna Kolosenko, Leonid Padyukov, Per-Johan Jakobsson, Magnus Sköld, Karin Lundberg, Vivianne Malmström, Lars Klareskog, Åsa M. Wheelock

A2 (live-streamed) Session 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)

08:30 Promise and obstacles of mesenchymal stromal cell-based therapy for lung diseases
Daniel Weiss (Burlington, United States)

08:45 Interaction of mesenchymal stromal cells with the lung microenvironment: an overlooked aspect?
Sara Rolandsson Enes (Lund, Sweden)

09:00 Mesenchymal stromal cell therapy for chronic lung allograft dysfunction: how far can we reach experimentally?
David Gomez De Antonio (Madrid, Spain)

09:15 Mesenchymal stromal cell therapy for acute respiratory distress syndrome: results from the START trial
Kathleen Liu (San Francisco, United States)

09:30 Discussion and Q&A

C6 (live-streamed) Session 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)

08:30 Perinatal strategies to prevent lung disease and promote lung development in the preterm lung
Anna Lavizzari (Milano (MI), Italy)

08:45 Is prematurity-related lung disease an inflammatory disease?
Sailesh Kotecha (Cardiff (South Glamorgan), United Kingdom)

09:00 Lifelong lung function trajectories in post-prematurity lung disease
Shannon Simpson (Perth (WA), Australia)

09:15 Practical implications for management of prematurity-related chronic respiratory disease: from infancy to adulthood
Liesbeth Duijts (Rotterdam, Netherlands)
C2 (live-streamed) Session 08:30 - 10:00
Hot topics: MALIGNANT PLEURAL EFFUSION DIAGNOSIS & MANAGEMENT: PRACTICAL SOLUTIONS FOR OPTIMAL OUTCOMES

**Aims:** Diagnostic evaluation and definitive management of malignant pleural effusion can be optimised by use of stratified pathways. This session will cover (1) the evidence base for accelerated pathways in suspected MPE, including direct to biopsy and criteria for more comprehensive sampling by thoracoscopy (2) best practice in the delivery in-patient pleurodesis, including agents, techniques, timing and detection of non-expansile lung (3) optimal use of indwelling pleural catheters, including drainage frequency, adjuvants and management of complications (4) the pathophysiology of symptoms and fluid production and how these might be manipulated for better outcomes.

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

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

**Tag(s):** Clinical

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

**Chairs:** Avinash Aujayeb (Newcastle, United Kingdom)

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:30</td>
<td>Navigating the diagnostic pathway: how to achieve the right answer with the minimum delay</td>
<td>Najib M. Rahman (ABINGDON, United Kingdom)</td>
</tr>
<tr>
<td>08:45</td>
<td>Optimal delivery of an inpatient MPE management pathway: how to get the most from pleurodesis</td>
<td>Elżbieta Magdalena Grabczak (Warszawa, Poland)</td>
</tr>
<tr>
<td>09:00</td>
<td>Optimal delivery of an outpatient pathway: use of IPCs and combination strategies</td>
<td>Samira Shojaee (Nashville, United States)</td>
</tr>
<tr>
<td>09:15</td>
<td>Beyond plumbing: pathophysiology of symptoms and fluid production and how these might be manipulated for better outcomes</td>
<td>Y C Gary Lee (Perth (WA), Australia)</td>
</tr>
<tr>
<td>09:30</td>
<td>Discussion and Q&amp;A</td>
<td></td>
</tr>
</tbody>
</table>

C5 (live-streamed) Session 08:30 - 10:00
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

**Tag(s):** Clinical

**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)

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker</th>
</tr>
</thead>
<tbody>
<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>
</tr>
<tr>
<td>08:45</td>
<td>Cardiovascular events post- COPD exacerbation</td>
<td>Sami O. Simons (Maastricht, Netherlands)</td>
</tr>
<tr>
<td>09:00</td>
<td>Early detection of cardiovascular disease in patients with COPD</td>
<td>Bianca Beghè (Modena (MO), Italy)</td>
</tr>
<tr>
<td>09:15</td>
<td>Mitigating the risk of cardiovascular disease in patients with COPD</td>
<td>Jennifer Quint (Wimbledon, United Kingdom)</td>
</tr>
<tr>
<td>09:30</td>
<td>Discussion and Q&amp;A</td>
<td></td>
</tr>
</tbody>
</table>
Respiratory medicine meets other disciplines: Shaping the future of pulmonary hypertension

**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

**Tag(s):** Clinical

**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)

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:30</td>
<td>The vascular origin of lung disease</td>
<td>Jurjan Aman (Amsterdam, Netherlands)</td>
</tr>
<tr>
<td>08:45</td>
<td>Are we ready for precision medicine in pulmonary hypertension?</td>
<td>Athénaïs Boucly (London, United Kingdom)</td>
</tr>
<tr>
<td>09:00</td>
<td>The future of trial design in pulmonary arterial hypertension</td>
<td>Marius M. Hoeper (Hannover, Germany)</td>
</tr>
<tr>
<td>09:15</td>
<td>Future interventional strategies to unload the right ventricle in pulmonary hypertension</td>
<td>Irene Lang (Wien, Austria)</td>
</tr>
</tbody>
</table>

**Discussion and Q&A**

---

State of the art session: Respiratory infections

Pulmonary aspergillosis

**Aims:** 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.

**Disease(s):** Respiratory infections

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

**Tag(s):** Clinical

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

**Chairs:** Daiana Stolz (Freiburg, Germany), Hitasha Rupani (Southampton, United Kingdom), Thomas Wilkinson (Southampton (Hampshire), United Kingdom)

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:30</td>
<td>The spectrum of pulmonary aspergillosis</td>
<td>Eva Van Braeckel (Ghent, Belgium)</td>
</tr>
<tr>
<td>08:45</td>
<td>Microbiological diagnosis of pulmonary aspergillosis</td>
<td>Paul Verveij (Nijmegen, Netherlands)</td>
</tr>
<tr>
<td>09:00</td>
<td>Antifungal therapeutic options and challenges</td>
<td>Martin Hoenigl (Graz, Austria)</td>
</tr>
<tr>
<td>09:15</td>
<td>Chronic pulmonary aspergillosis in people with post-tuberculosis lung disease or cystic fibrosis</td>
<td>Helmut Salzer (Linz, Austria)</td>
</tr>
</tbody>
</table>

**Discussion and Q&A**

---

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):**

**Method(s):**

**Tag(s):**

**Target audience:**

**Chairs:**
Disease(s): Airway diseases, Paediatric respiratory diseases, Thoracic oncology

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

---

Strauss 3 (Studio) Session 09:00 - 09:15

News from the studio: News from the studio 1

Aims: Introducing the congress theme

---

A1 Session 09:30 - 10:45

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)

Non-linear periodized resistance training in COPD: an international multicentre RCT
   Erik Ingemar Frykholm (Umeå, Sweden), Peter Klijn, Jonas Vestman, Didier Saey, Hireonymus 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 Ruttens, Chris Burtin, Kevin Desoomer, 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, Maurício 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 Irving, Karen Lamb, Georgina Whish-Wilson, Linda Denehy, Selina Parry

Home-based physical activity in ILD: an RCT
   Cátia 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

Barriers on the assessment functioning and exercise prescription in patients with severe exacerbation of COPD: A multi-country survey
   Naïara Leonardi (São Carlos, São Paulo, Brazil), Joana Cruz, Débora Mayumi Kawakami, Audrey Borghi-Silva, Chris Burtin, Renata Gonçalves Mendes
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 Guimeno-Santos, Jordi Vilaró, Ane Arbillaga-Etxarri, Cristina Serrano Veguillas, Ana B. Varas De La Fuente, Concepción Martín Cortijo, Esther García Delgado, Pilar Bravo Cortés, Marina Françin Gallego, Beatriz Herrero-Cortina, Carolina González Montañez, José Luis Valera Felices, Yolanda Sanesteban Hermida, Esther Giménez Moolhuyzen, Jorge Álvarez Rivas, Antonio T. Ríos Cortés, Guillerme Fregonezi

Discussion and Q&A

**Strauss 1 Session**

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)

  - Improved air quality and asthma incidence from school-age to young adulthood: a population-based prospective cohort study
    Zhebin Yu (Solna, 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 Melén, Olena Gruzieva

  - 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 Pacheco 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

  - Occupational particulate exposure and lung function in middle age
    Dona Wijayasinghe (Hobart, Australia), Yong Song, Karen Patterson, Adrian Lowe, Haydn Walters, 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 Schlünssen, Michael N Armitage, Pathrabali Mitra, Maximillian Thomas, P Sherwood Burge, Gareth I Walters, Alice M Turner, Ruth Wiggans

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

Discussion and Q&A
Lehar 3 Session 09:30 - 10:45

Oral presentation: Innovative technology in non-invasive respiratory support: optimisation and monitoring

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

Method(s): General respiratory patient care, Imaging, Pulmonary function testing, Respiratory intensive care, Physiology

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

Chairs: Rebecca D'Cruz (London, United Kingdom), Marieke L. Duiverman (Groningen, Netherlands)

- **Modelling of Dead Space Clearance and Rebreathing During Asymmetrical Nasal High Flow**
  Natalia Kabaliuk (Christchurch, New Zealand), Zane Goggin, Stanislav Tatkov

- **Nasal High-Flow (NHF) Improves Ventilation in Patients with Interstitial Lung Disease (ILD) - A Physiological Study**
  Jens Bräunlich (Leipzig, Germany), Hubert Wirtz

- **Laryngeal observations during non-invasive ventilation titration in chronic obstructive pulmonary disease**
  Anne Kristine Brekka (Nedenes, Norway), Solfrid Indrekvam, Petrine Veierød Solli, Merete Salveson Engeset, Ola Drange Røksund, Sverre Lehmann, Hege Clemm, Thomas Halvorsen, Patrick Murphy, Maria Vollseter, Tiina Andersen

- **Observed laryngeal responses during non-invasive ventilation in healthy volunteers**
  Anne Kristine Brekka (Nedenes, Norway), George Ntoumenopoulos, Ola Drange Røksund, Merete Salveson Engeset, Hege Clemm, Thomas Halvorsen, Maria Vollseter, 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 Kaltasakas, Patrick Murphy

- **Utility of Diaphragmatic Ultrasound and Diaphragmatic Electromyogram in Amyotrophic Lateral Sclerosis**
  Mikel Sarasate Azkona (Barcelona, Spain), Ana Cordoba Izquierdo, Enrie Prats Soro, Edelweis Anol Albíñana, Lluis Mateu Gomez, Luciana Baglivo Duarte, Alejandro Caravaca Puchades, Raul Dominguez Rubio, Monica Povedano Panades, Eva Ferrero 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**

Strauss 2 Session 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

Tag(s): Translational

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

- **The influence of HLA matching on graft survival in lung transplant recipients is indication specific**
  Afolarina Otunla (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 Westhölter (Essen, Germany), Johannes Haubold, Johannes Wienker, Björn Kleibrink, Markus Kamler, Christian Taube, Felix Nensa, Rene Hosch, Marcel Opitz

- **Transplant outcomes for pulmonary arterial hypertension**
  Baharan Zarrabian (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 Rüschhoff, Miriam Nowack, Rene Hage, Martina Haberecker, Silvia Ulrich, Malcolm Kohler, Mace Schuurmans, Daniel Franzen

Immono-guided 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

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

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

Discussion and Q&A

Session 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), Chair to be confirmed

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, Bart Koopman, Marco Grootenboers, Esther Nossent, Michiel Wagenaar, Henk Kramer, Pascal Welders, 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), Arthihai Srirangan, 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, Suja Desai, Athol U. Wells, Vasileios Kouranos

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, Brigitta Barkute, Natalia Artys, 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 Sorger, Arnulf Langhammer, Solfrid Romundstad

Discussion and Q&A

C1 (live-streamed) Session 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)

10:15 Targeting factor XI: is it really a new generation of anticoagulants?
Laurent Bertoletti (Saint Etienne Cedex, France)

10:30 Development of a multicompartmental approach to protect against recurrence of pulmonary embolism
Francis Couturaud (Brest, France)

10:45 Systemic fibrinolysis: how many patients benefit from this treatment?
Speaker to be confirmed

11:00 Catheter-directed therapies and ECMO: what is their place in the management of patients with acute pulmonary embolism?
Stavros Konstantinides (Mainz, Germany)

11:15 Discussion and Q&A

A2 (live-streamed) Session 10:15 - 11:45
Symposium: The metabolic niche in pulmonary fibrosis

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)
<table>
<thead>
<tr>
<th>Time</th>
<th>Presentation</th>
<th>Speaker/Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:15</td>
<td>Defining the role of lung macrophage metabolism during lung fibrosis</td>
<td>Patricia Ogger (London, United Kingdom)</td>
</tr>
<tr>
<td>10:30</td>
<td>Dysfunctional alveolar type II cell metabolism drives fibrosis</td>
<td>Ana Mora (Ohio, United States)</td>
</tr>
<tr>
<td>10:45</td>
<td>Fibrometabolism: an emerging therapeutic frontier in pulmonary fibrosis</td>
<td>Brintha Selvarajah (London, United Kingdom)</td>
</tr>
<tr>
<td>11:00</td>
<td>Spatial metabolomics reveals glycogen is an actionable target for pulmonary fibrosis</td>
<td>Christopher Waters (Lexington, United States)</td>
</tr>
</tbody>
</table>

**C6 (live-streamed) Session 10:15 - 11:45**

**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)

<table>
<thead>
<tr>
<th>Time</th>
<th>Presentation</th>
<th>Speaker/Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:15</td>
<td>Non-infectious pulmonary complications: a comprehensive overview</td>
<td>Samuel Goldfarb (Minneapolis, United States)</td>
</tr>
<tr>
<td>10:30</td>
<td>Non-infectious chronic pulmonary complications of stem cell transplantation: monitoring, diagnosis and treatment options</td>
<td>Hilde Hylland Uhlving (København, Denmark)</td>
</tr>
<tr>
<td>10:45</td>
<td>Implementing an internationally harmonised guideline: essential pulmonary follow-up for paediatric cancer survivors after pulmonary toxic treatments</td>
<td>Maria Otth (St Gallen, Switzerland)</td>
</tr>
<tr>
<td>11:00</td>
<td>Delving into radiation pneumonitis: discussion through a paediatric case study description</td>
<td>Sabine M.P.J. Prevaes (Utrecht, Netherlands)</td>
</tr>
</tbody>
</table>

**C5 (live-streamed) Session 10:15 - 11:45**

**Hot topics: Race and ethnicity in pulmonary function testing**

**Aims:** The aim of this hot topic session is 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. This session will provide a comprehensive overview on the impact of ethnic or racial misclassification in interpreting pulmonary function test results, and the consequence of this misinterpretation, both on adult and paediatric population. Furthermore, the purpose of this session is to provide new insights on how we could address the issue of race or ethnic classification and explore other possibilities of defining normal pulmonary function test results.

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

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

**Tag(s):** Clinical

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

**Chairs:** Ioannis Vogiatzis (Blyth, United Kingdom), Rachel Ong-Salvador (Amsterdam, Netherlands)
10:15  The purpose of ethnic or racial classification in pulmonary function testing.  
Speaker to be confirmed

10:30  PFT interpretation: multiracial vs race-neutral.  
Nirav Bhakta (San Francisco, United States)

10:45  Race and ethnic classification on paediatric PFT.  
Sanja Stanojevic (Halifax (NS), Canada)

11:00  The future of reference equations: thinking outside the box.  
Speaker to be confirmed

11:15  Discussion and Q&A

C2 (live-streamed)  Session  10:15 - 11:45
Clinical trials session: ALERT 1:

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.

Chairs: Avinash Aujayeb (Newcastle, United Kingdom)

10:15

10:22

10:29

10:36  Wrap-up by discussant and discussion

10:58

11:05

11:12

11:19  Wrap-up by discussant and discussion

11:41  Closing remarks

C3 (live-streamed)  Session  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  
Helen 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)
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)

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

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

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

**INDUSTRY SKILLS LAB WORKSHOP**

**Pro-Con debate: Should connective tissue related Interstitial Lung Diseases be treated at the earliest opportunity?**

**Aims**: The aims of the session are to highlight some of the emerging themes and controversies regarding the early treatment of interstitial lung diseases (ILD). We hope to discuss the common clinical dilemmas and misconception that occur in clinical practise regarding the influence of age and comorbidities on the decision to start anti-inflammatory or antifibrotic treatment. We will also 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

**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)

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 Humble, 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, Ellen Tufvesson

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, Mustaafa Wahab, Elena Kum, Jennifer Wattie, Karen Howie, Kieran Killian, Jaelyn Smith, Gail Gauvreau, Paul O’Byrne, Imran Satia, Roma Sehni

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

Strauss 1

Session 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
Björk Sofiudóttir (Odense, Denmark), Christian Borbjerg Laursen, Stefan Harders, Philip Lage-Hansen, Sabrina Mai Nielsen, Søren Andreas Just, Robin Christensen, Torkell Ellingsen, Jesper Rømhild Davidsen

Pleural involvement in rheumatoid arthritis (RA) by thoracic ultrasound: a pilot study.
Matteo Daverio (Padova, Italy), Mariaenrica Tinè, Margherita Zen, Filippo Vesentini, Umberto Semenzato, Elisabetta Coconcelli, 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, Suparrek Disyaburut, Suwimon Wonglaksanapimon, Phakhphoom Thiravit, Chayawee Muangchan, Krittika Teerapunchareon

Thoracic ultrasound elastography to differentiate between malignant and benign lesions
Christian Kildegård (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 Hoyas Sánchez, Lucía Álvarez Muros, Ángel Almansa López, Laura Casares Martin-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, Annalisa Mastrobattista, Alberto Zolezzi, Serena Maria Carli, Paola Mencarini, Silvia Mosti, Carlo Pareo, Virginia Di Bari, Carlotta Cerva, Pietro Vittozzi, Raffaella Libertone, Maria Musso, Carla Fontana, Franca Del Nonno, Daniele Colombo, Fabrizio Palmieri

Discussion and Q&A

**A3 Session 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

**Chairs:** Pilar Rivera Ortega (Manchester, United Kingdom), Cormac McCarthy (Dublin 4, Ireland)

**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, Matteo Zorzetto, Matthias Greise, Angelo Guido Corsico, Bruce C Trapnell, Francesca Mariani

**DIPNECH: An International Case Series**
Marissa O'Callaghan (County Cork, Ireland), Maitreyi Penugonda, Sarah Forde, Remi Diesler, Helen O'Brien, Hussein Almeamr, Bilal Samhoury, Jay Ryu, Marcel Veltkamp, Effrosini D Manali, Aggeliki Lazaratou, Spyros A Papiris, Francesco Bonella, Laurie Carr, Vincent Cottin, Camille Taille, Francis X Mccormack, Nishant Gupta, Jonathan Strosberg, Filippo Lococo, Sergio Harari, Demosthenes Bourou, Lykourgos Kolilekas, Zoe Daniil, Ilias Dimeas, Alessandro N Franciosi, Dermot O'Toole, David J. Murphy, Aurelie Fabre, Michael P Keane, Ludovic Fournel, Adam Byrne, Rachel Crowley, Cormac Mccarthy

**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 Meetschen, Lale Umutlu, Michael Forsting, Benedikt M. Schaarschmidt, Marcel Opitz, Nicolas Beck, Sebastian Zensen, Rene Hosch, Vicky Parmar, Felix Nensa, Johannes Haubold
Children's ILDs survivors in adulthood: a European Study

Nintedanib in children and adolescents with fibrosing ILDs: interim analysis of InPedILD-ON
Robin Deterding (Aurora, United States), Lisa R Young, Emily M Deboer, David Warburton, Steven Cunningham, Nicolaus Schwerk, Kevin K Brown, Václav Koucký, Jason P Weinman, Jill Simmons, Mihaela Dumistracel, Frauke Jantzen, Matthias Griese

Discussion and Q&A

Oral presentation: Man and machine: getting the balance right from innovation to implementation

**Disease(s):** Thoracic oncology, Respiratory critical care, Airway diseases, Sleep and breathing disorders, Interstitial lung diseases

**Method(s):** Endoscopy and interventional pulmonology, General respiratory patient care, Pulmonary rehabilitation, Pulmonary function testing, Physiology, Public health, Epidemiology

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

**Chairs:** Hilary Pinnock (Edinburgh (Edinburgh), United Kingdom), David Drummond (Paris, France)

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 Cuypers, Paul Desbordes, Rachael A. Evans, Michael D. Morgan, Richard Russell, Ian Jarrold, Nanette 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 Wijsenbeek, Jiwon Jung

Artificial intelligence improves bronchoscopy performance – a randomized cross-over trial.
Kristoffer Mazanti Cold (Copenhagen, Denmark), Kaladheran 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

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 Loidice

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), Michaella Senek, Hilary Pinnock, Kjeld Hansen, Anshu Anokelekar, Una O'Connor, Katherine Sreter, Oleksandr Mazulov, Christina Thornton, Pippa Powell

Evaluation of a Smartphone App for Pulmonary Rehabilitation in COPD - A Multicenter Randomized Controlled Trial
Rainer Gloeckl (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?
Alessia MARTINI (ROMA, Italy), Matteo Siciliano, Simone Ielo, Gaia Bisbano, Mariarita Andreani, Luca Richeldi

Discussion and Q&A
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, General respiratory patient care

**Tag(s):** Translational

**Chairs:** Thierry Berghmans (Bruxelles, Belgium), 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 Tsuzuki, Shuji Murakami, Daisuke Minami, Shinji Fujii, Naofumi Shinagawa, Fumihiro Asano, Seiji Nakamura, Yoshiharu Sato, Yumi Ueda, Fumihiko Suzuki, Tomoyuki Yokose, Kenichiro Tanabe, Masamichi Minesshita

Airway 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 cell lung cancer patients receiving neoadjuvant chemoinmunotherapy (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

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 Zdrał, Emil Wojda, Mateusz Polaczek, Malgorzata 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 Sokolowski, Piotr Mikłusz, Karina Jahn- Różyk, Piotr Rzepecki

---

**Experts interview: Enthusiast meets experienced: ILD**

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

**Chairs:** Nina Sicker (Steinach, Germany), Laura Fabbri (London, United Kingdom)

11:45 Enthusiast meets experienced: ILD
Michael Kreuter (Mainz, Germany)

12:00 Discussion and Q&A

---

**Poster session: Precision medicine considerations and inhalation efficacy in airway diseases**
Airway diseases
Physiology  Pulmonary function testing  General respiratory patient care  Public health  Epidemiology
Clinical
Petros Bakakos (Athens, Greece), Chair to be confirmed

**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, Maércio Souza Cicero Dos Santos, Jéssica Gerontutti, Estefânia Aparecida Thomé Franco, Talita Jacon Cezare, Irma De Godoy, Suzana Erica Tanni

**The effectiveness of discharge care bundles on reducing hospital readmissions in COPD: a systematic review**
Siobhan Giblin (Galway, Ireland), Tara Byrne, Melissa McDonnell

**Potential reductions in COPD exacerbations, mortality, and costs due to increased SITT use in appropriate patients. PROMETHEUS Spain.**
Marta Marin Oto (Pamplona (Navarra), Spain), Jorge Mestre-Ferrándiz, Joaquín Sánchez-Covisa, Carmen Corregidor-García, Néstor Martínez-Martínez, John Bell, Amanda McCarthy, Jennifer Carioto, Prachi Bhatt, Bruce Pyenson

**Triple therapy and mortality in COPD: Randomized trials vs observational studies**
Samy Suissa (Montreal (QC), Canada), Pierre Ernst

**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 McCarthy, Prachi Bhatt, Jennifer Carioto, Bruce Pyenson

**Towards disease stability in COPD management: patient perspectives**
Mark Brooke (Melton, Australia), Migdalia Denis, Shane Fitch, Susanna Palkonen, Jeffrey Beach, Rianne E. Stacey, Raj Sharma, Tonya Winders

**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, Tharishini Mohan, Raj Sharma, Suneal K. Sreedharan, Lee Tombs, Melian Han

**Identifying Patients Requiring Necessary Treatment in Mild to Moderate COPD**
Zihui Wang (Guangzhou, China)

**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

**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 Mascalino

**Narrative exploration of uncontrolled asthma: insights from patients and healthcare professionals in a cross-sectional study**
Alessio Piraino (Roma (RM), Italy), Vincenzo Pennisi, Eleonora Volpato, Alfio Pennisi, Paolo I. Banfi, Salvatore D'Antonio, Stefano Centanni, Filomena Bugliaro, Antonietta Cappuccio, Luca Cavalieri, Mattia Ramaccia, Roberta Termini, Maria Giulia Marini

**What do patients really think of oral steroids for asthma attacks? A discrete choice experiment.**

**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, Polyantti 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, Anuria 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, Dominick Shaw, Lingjiao Zhang, Peter Howarth

Patients’ perspectives and perceptions of asthma clinical remission: A global view
Samantha N Valliant (Upper Providence, United States), Steven Gould, Rafael Alfonso-Cristancho, Alison Moore, Alice Picton-March, Josh Barazetti-Scott, Kathryn Chase, Stephen Noorduyn

Asthma remission: how much can we improve?
Ana Rita Gaspar Ribeiro (Portimão, Portugal), Benedita Ferreira, Pedro Americano, Inês Belchior, Lígia Pires

Satellite cell distance to its nearest capillary is inversely associated with muscle mass and strength in persons with COPD
Jana De Brandt (Ternat, Belgium), Milan Betz, Thorben Aussieker, Alejandro P. Monsegue, Dion C.J. Houtvast, Sebastian Gehlert, Lex B. Verdijk, Luc J.C. Van Loo, Harry Gosker, Ramon Langen, Wim Derave, Chris Burtin, Martijn A. Spruit, Tim Snijders

Inspiration: two decoupled diaphragms
Giovanni Tagliabue (Calgary (AB), Canada), Michael Ji, Danny J. Zuege, Paul A. Easton

Diaphragm ultrasound assessments in newly diagnosed patients with spinal-onset amyotrophic lateral sclerosis
Dimosthenis Lykouras (Patra, Greece), Kanellos Spiliopoulos, Dimitra Veltsista, Olga Lagiou, Vasilina Sotiropoulou, Kyriakos Karkoulas, Elisabeth Chroni, Argyrios Tsouveleakis

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, Faustia Viccaro, Arianna Sanna, Maria D’Andria, Letizia D’Antoni, Paolo Palange

Diaphragmatic excursion and sternocleidomastoid muscle thickness correlate with exercise capacity and dynamic lung hyperinflation in patients with chronic obstructive pulmonary disease
Yu Takeda (Osaka, Japan), Masashi Shiraishi, Yuji Higashimoto, Osamu Nishiyama, Ryuji Sugiyama, Hiroki Mizusawa, Masaya Noguchi, Kengo Kanki, Tamotsu Kimura, Hisako Matsumoto

Hyposic respiratory failure: ventilation and chest wall inspiratory muscle function in severe COPD
Suk Joon (Michael) Ji (Edmonton, Canada), Jenny Suneby 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 Jeng, 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), Ailin Yang, Yue Yu, Yunxiao 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 (Raipur, 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), Krystine Garcia, Mansfield, Nathaniel Hansen, Bessie Meechoovet, Elizabeth Hutchins, Robert Calmelat, Carrie Ferguson, Kendall Jensen, 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 (Kingston (ON), Canada), Abed Hijleh, Danilo Berton, Sophia Wang, Igor Neder-Serafini, Matthew James, Sandra Vincent, Nicolle Domnik, Devin Phillips, Denis O'Donnell

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

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, Elvira Stacher-Priehse, Wolfgang Gesierich

Safety and utility of transbronchial lung cryobiopsy re-assessment in progressive interstitial lung disease
Chieri Yamada (Kawasaki, Japan), Takashi Niwa, Kazushige Fujiyomoto, Masashi Sakayori, Tsuneyuki Oda, Hideya Kitamura, Tomohisa Baba, Eri Hgiwara, Tae Iwasawa, Tamiko Takemura, Takashi Ogura

Diagnostic role of histologic changes in patients with minimal fibrotic changes and normal lung functions
Martina Bonifazi (Ancona (AN), Italy), Claudia Ravaglia, Francesca Gonnelli, Federico Mei, Lina Zuccatosta, Majed Refai, Gaia Goteri, Francesca Barbisan, Marina Carotti, Alessandra Dubini, Alessandra Borgheresi, Sara Piciucchi, Venerino Poletti

Clinical predictors for IPF in an unclassified patient population with indication to transbronchial cryobiopsy
Markus Polke (Heidelberg, Germany), Jana Reinhard, Michael Kreuter, Katharina Buschulte, Johannes Flick, Monika Eichinger, Claus Peter Heubel, Michael Allgäuer, Nikolaus Kneidinger, Philipp Höger, Julia D. Michels-Zetsche, Matthias Grott, Konstantina Kontogianni, Ralf Eberhardt, Felix J. Herth, Franziska C Trudzinski

Genomic profiling by next-generation sequencing of idiopathic pulmonary fibrosis in Sardinia
Sara Solveig Fois (Sassari, Italy), Ivana Persico, Panagiotis Palagiannis, Barbara Piras, Antonio Cossu, Steffania Casula, Giuseppe Palmieri, Pietro Pirina, Alessandro Giuseppe Fois

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 Koengikam Santos, Alexandre Todorovic Fabro, Simone Alves Do Vale, Taita Jacon Cezare, Sergio Marrone Ribeiro, Robson Prudente, Estefânia Franco, Suzana Erico Tanni

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), Wenshi Yu, Michael Mcnitt-Gray, Pangyu Teng, Matthew Brown, Goldin Jonathan
Deep learning in the diagnosis of idiopathic pulmonary fibrosis
Gülsem Özduygu (BAHÇELİEVLER, Turkey), Gulsum Arı, Nevra Bayhan, Sedat In, Hasan Tiryaki, Ali Aslan Demir, Gülfer Okumus, Zuleyha Bingöl

Idiopathic Pulmonary Fibrosis (IPF) and Hypersensitivity Pneumonitis (HP): Comparison of GAP, ILD-GAP, CPI Models
Burcu Babaoğlu (İstanbul, Turkey), Elif Tanrıverdi, Mustafa Çörtük, Kürsad Nuri Baydili, Fulya Senem Karaahmetoğlu, Erdoğan Çetinkaya

To compare one-minute sit-to-stand test with six-minute walk test to assess exercise induced oxygen desaturation in interstitial lung disease
Deekshith Kolluri (Pune, India), Shabina Faruqi, Rahul Lokhande, Sanjay Gaikwad

Could the 6-Minute-Walk-Test be a shorter duration and still show significant oxygen desaturation in interstitial lung disease?
Lucy Robertson (Cambridge (Cambridgeshire), United Kingdom), Joseph Newman, Karl Sylvester

Exploring small airways disease in IPF patients: insights from oscillometry analysis
Ourania Kotsiou (Larissa, Greece), Paraskevi Korigou, Konstantinos Gourgoulianis, Zoe Danil

Assessing small airways in interstitial lung diseases: The use of oscillometry
Vasilina Sothropoulou (Patras, Greece), Matthaios Katsaras, Dionyssios Papaiepanou, Antonios Christopoulos, Ourania Papaioannou, Panagiota Tsirri, Georgios Tsirikos, Electra Koulousousa, Eva Theochari, Ioannis Christopoulos, Dimitrios Kominos, Alexandra Pandi, Eli Malakoundiou, Vasiliki Georgiopoulou, Maria Tsiomita, Kyriakos Karkoulias, Dimosthenis Lykouras, Fotios Sampsonas, Argyris Tzouvelakis

A Comparison of Pulmonary Function Test (PFT) Trajectories in Idiopathic Pulmonary Fibrosis (IPF) and Combined Pulmonary Fibrosis and Emphysema (CPFE) Syndrome
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

From a different angle: Diagnostic Performance of the Beta Angle in Idiopathic Pulmonary Fibrosis versus Chronic Hypersensitivity Pneumonitis – A Cross-Sectional Study
Joaquín Maritano Furcada (Ciudad Autónoma Buenos Aires, Argentina), Jesica Daiana Nuñez, Ignacio Cesar Rodriguez, Horacio Matías Castro, Hernán Javier Benito, Clara Torres Cabrera

Prevalence of Interstitial Lung Abnormalities (ILA) in the general population and specific radiological patterns
Giada Maria Capizzi (Palermo, Italy), Nunzia Cannizzaro, Riccardo Messina, Francesco Battista, Irene Di Leo, Rosangela Di Liberti, Domenico Salvatore Gagliano, Emanuele Grasso, Nicola Scichilone

Neither obstructive sleep apnea nor nocturnal hypoxemia is associated with mortality in idiopathic pulmonary fibrosis patients
Line Kølner-Augustson (Hørning, Denmark), Thomas Skovhus Prior, Elisabeth Bendstrup

REM-associated obstructive sleep apnoea in interstitial lung disease associates with more severe disease
Katherine Myall (London, United Kingdom), Jennifer Martinovic, Eui-Sik Suh, Alex West, Brian Kent

The relation between gastroesophageal reflux and pulmonary findings on CT in a general population
Össur Ingi Emilsson (Uppsala, Sweden), Andrei Malinovschi, Åse Johnsson, Mirjam Ljunggren, Anders Blomberg, Ida Pesonen, Magnus Sköld, Carl-Johan Östgren, Tomas Hansen

PS-20 Session 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
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, Eloisa Gatto
Bronchiolitis and subsequent wheezing: role of neutrophils
Antonella Frassanito (Roma (RM), Italy), Raffaella Nenna, Laura Petrarcha, 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 Petrarcha, 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 (Poznań, Poland), Katarzyna Tąpolska-Jóźwiak, Anna Pasieka, Agata Wasiak, Paulina Stasik, Paulina Sobkowiak, Zdzieśława Kyczler, Agnieszka Loś, Katarzyna Jończyk-Potoczna, Ewelina Gowin

Pleuropneumonia 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 Schwark, Martin Wetzk

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 Aldéco (Ljubljana, Slovenia), Marusa Debelač, Jasna Rodman Berlot, Marina Praprotnik, Aleksandra Zver, Paola Pascolo, Gaja Setnikar Kimorec, 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
Yasemin Mocan Çağlar (İstanbul, Turkey), Nesibe Hatun Sarhan, Sinem Can Oksay, Zeynep Reyhan Onay, Deniz Mavi Tortop, Gülay Bilgin, Ozge Ulgen, Gülçin Bozbeyoğlu, Saniye Girir

The impact of guideline implementation in diagnosing primary ciliary dyskinesia using transmission electron microscopy
Malena Aldéco (Ljubljana, Slovenia), Karmen Wechtersbach, Jerica Plesko, Marina Praprotnik, Dušanka Lepej, Maruša Debelač, Jasna Rodman Berlot, Gaja Setnikar Kimorec, Sasa Setina Smid, Aleksandra Zver, Paola Pascolo, Nina Zidar, Nika Kojc, Uros Krivec
**Disease(s):** Interstitial lung diseases, 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)

**Drug-induced interstitial lung disease: a nationwide observational study over 37 years using the French pharmacovigilance database**  
Sophie Yavordios (Lyón, France), Guillaume Beltramo, Romane Freppel, Frédérique Beau Salinas, Christine Le Beller, Kèvin Bihan, Marjolaine Georges, Philippe Camus, Aurélie Grandvuillemin, Philippe Bonniaud

**Comparative risk of interstitial lung disease (ILD) among Trastuzumab Deruxtecan (T-DXd) and other anti-breast cancer drugs: a VigIbase pharmacovigilance study approach.**  
Lana Elu (Paris, France), Kevin Bihan, Anthony Canellas, Marc-Antoine Benderra, Paul Gougis, Joseph Gligorov, Bénédicte Lebrun-Vignes, Jacques Cadranel

**Pneumotoxicity ASSociated With Rheumatological Drugs (PASSWRD) – A modified Delphi**  
Manjit Cartlidge (Edinburgh, United Kingdom), Kevin Brown, Nazia Chaudhuri, Tamera Corte, Philippe Dieude, Clive Kelly, Dinesh Khanna, Euan Merorie, Lisa Nicol, Gareth Nicol, Simon Walsh, Marlies Wijsenbeek, Nikhil Hirani

**Efficacy and safety of Immune Checkpoint Inhibitors in Lung Cancer Patients with Combined Pulmonary Fibrosis and Emphysema**  
Haruka Chin (Sibuya, Japan), Minoru Inomata, Keita Sakamoto, Ken Ito, Akari Misumi, Takashi Maeda, Yu Ito, Nobuyasu Awano, Naoyuki Kuse, Takehiro Izumo

**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 Jameleddine

**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**  
ludovica capitelli (San nicola la strada, Italy), Luigi Massari, Antonio Russo, Arcangela Di Domenico, Gaetano Rea, Fausto De Michele, Marialuisa Bocchino

**Long-term Experience in Fibrotic Hypersensitivity Pneumonitis: A Comprehensive Study of Progressive Pulmonary Fibrosis at a Tertiary Center**  
Maria Florencia 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**  
Burcu Ozaltin (London, United Kingdom), Daryl Cheng, Muhammed Qummer 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, Hélder Novais Bastos, António Morais

**Hypersensitivity pneumonitis—single center data from Hungary**  
Sarah Brack (Budapest, Hungary), Nóra Melinda Tóth, Alexandra Nagy, Bernadett Mák, 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 Matsu, Kei Nakashima

**Approaches in diagnosis, follow-up and treatment of patients with progressive pulmonary fibrosis: a questionnaire study**  
Nilgün Yılmaz Demirci (Ankara, Turkey), Ceyda Anar, Öğuzhan Okutan, Berna Akıncli Özyürek, Funda Coşkun, Ezgi Erdem Türe

**A rapid diagnostic circuit for ILD improves the patient journey**  
Guadalupe Bermudo Peloche (Barcelona, Spain), Pilar Rivera, Vanesa Vicens, Belen Del Rio, Elisabet Serra, Francisco Ferrer, Lurdes Planas, Santiago Bolicar, Roger Llatjós, Salud Santos, Patricio Luburich, Maria Molina
Integrating forced vital capacity and fibrotic radiological score in interstitial lung disease (FIBRO-ILD)
Chen Yong Tan (Kuala Lumpur, Malaysia), Normaszuhaila Abd Hamid, Mohd Syahin Syahira Lilah, Aishah Sulaiman, Noor Emilla Ilia, Siti Rohani Mohd Yakop, Zuhantis Abd Hamid, Syazatul Syakirin Sirol Aflah

Systemic Sclerosis: Can Breathomics Monitor Interstitial Lung Disease?
Thibault Massenet (Liège, Belgium), Judith Potjewijd, Rachid Tobal, Fanny Gester, Delphine Zanella, Monique Henket, Makon-Sébastien Njock, Thibaut Dejong, Gregory Gridete, Laurie Giltay, Françoise Guissard, Béatrice André, Clio Ribbens, Renaud Louis, Pieter Van Paassen, Julien Guiot, Pierre-Hugues Stefanuto

Home environmental fungal exposure in patients with Hypersensitivity Pneumonitis
David Jorge Araújo Barros Coelho (Braga, Portugal), João Cavaleiro Rufo, Rita Santos, Catarina Cardoso, André Carvalho, Conceição Souto Moura, Susana Guimarães, André Terras Alexandre, Patricia Mota, Natalia Melo, Helder Novais Bastos, António Morais

Comparing CPET and 6MWT for Assessing Exercise Capacity in Systemic Sclerosis Patients with Pulmonary Involvement
Łukasz Minaowski (Bialystok, Poland), Agnieszka Chwiedź, Jakub H. Mróz, Katarzyna Guziejko, Otylia Kowal-Bielecka, Robert M. Mróz

HPAF vs HP: A branch of HP or a new disorder?
Sofia Francisca Carvalho Neves Martins De Castro (Coimbra, Portugal), João Lourenço, Patrícia Mota, Natália Melo, André Alexandre, Helder Novais Bastos, António Morais

PS-11  Session  12:30 - 14:00
Poster session: All the way to clinical remission of asthma

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

Chairs : Richard Russell (Leicester, United Kingdom)

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, Marija Hadjimitrova, Eleni Tzortzaki, Michael Makris, Maria Ntakoula, Panagiotis Lyberopoulos, Katerina Dimakou, Sofia Koukidou, Sevasti Ampelioti, Anastasia Papaporfryiou, Konstantinos Katsoulis, Maria Kipourou, Nikoletta Rovina, Katerina Antoniou, Stylianos Vittorakis, Petros Bakakos, Paschalis Steiropoulos, Katerina Markopoulou, Panteleimon Avarlis, Ilias Papanikolaou, Miltiadis Markatos, Eleni Gaki, Konstantinos Samitas, Konstantinos Glynos, Spyros Papiris, Despoina Papakosta, Nikolaos Tzanakis, Mina Gaga, 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 (Arhus, 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 Milanese, 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 Btrain

De-escalation of maintenance inhaler therapy in severe asthma in remission on Benralizumab
Lorena Gentile (Palermo, Italy), Alida Benfante, Alessandra Tomasello, Valentina Catanzano, 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 Guissard, Virginie 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. Nанzer, 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 Igboekwe, 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 Igboekwe, 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 Igboekwe, 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), Álvaro Moreno Ancillo, Jose Manuel Bravo Nieto, Inmaculada Lomares Manzano, Magdalena J Caminoa Irisarri

Poster session: Severe paediatric asthma and inflammation monitoring

Disease(s): Airway diseases
Method(s): General respiratory patient care Imaging Pulmonary function testing Physiology Cell and molecular biology Epidemiology Public health
Tag(s): Clinical
Chairs: Christina Bal (Wien, Austria), Marielle W.H. Pijnenburg (Rotterdam, Netherlands)

Older age, allergy and uncontrolled disease associate with elevated FeNO in childhood asthma
Maria Oding (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

Implementation of Digital Smart Inhalers (DSI) to monitor adherence in Children and Young People (CYP) attending a difficult asthma service
Alison Claydon (Leicester, United Kingdom), Latricia Pawlick, Eliza Trim, David Lo, Manisha Ramphul, Erol Gaillard

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 Donth 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 S Giubergia (Olivos (Prov. De Buenos Aires), Argentina), Gabriela Peláez, Fernanda Elias, Andrea Dugour, Carlos Tomas Velasco Suarez, Marcela Roque, Magdalena Vocos, Doris Primrose, Tania Florez Gonzalez, María Cristina Gimena Donth Leger, Juean 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 Dellighausen, Alexander Möller

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
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. Neerincx, Maria Pino-Yanes, Uroš Potočnik, Olia Sardón-Prado, Barbara S Dierdorp, Tamara Dekker, Nariman K. A. Metwally, Jan Willem Duitman, René Lutter, Paul Brinkman, Mahmoud I. Abdel-Aziz, Anke H. Maitland-Van Der Zee

Asthma as a common pulmonary manifestation in children with ANCA associated vasculitis
Alireza 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, Alexandra Masson, Pierrick Cros, Clémence Mordacq, Camille Cisterne, Charlotte Roy, Johan Personnic, Clément Poirault, Rola Abou Taam, Alice Hadchouel, Alexandra Pirojoc, Christophe Delacourt, Lisa Giovannini-Chami
**Poster session: Interstitial lung disease, infections and indoor air quality**

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

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

**Tag(s):** Clinical

**Chairs:** Isabella Annesi Maesano (Montpellier, France), James Baker (MANCHESTER, United Kingdom)

**Farmers lung in a cohort with chronic Hypersensitivity Pneumonitis in Southern Italy**
Francesca Paola Iannone (Naples, Italy), Antonella Pezone, Giuseppe Simonetti, Domenico Cristiano, Alessandro Saglia, Anna Agnese Stanziala

**Epidemiology of occupational hypersensitivity pneumonitis in the UK: an update from the SWORD scheme**
Ruth Wiggans (Manchester (Greater Manchester), United Kingdom), Rheanna Pereira, Laura Bryne, Melanie Carder, Zipporah Iheozor-Ejiofor, Matthew Gittins, Martie Van Tongeren, Christopher Barber

**Real-world use of Exposure Screening Questionnaires in Occupational & Interstitial Lung Disease clinics in Birmingham, UK**
Kimberley Netleton (Birmingham (West Midlands), United Kingdom), Christopher C. Huntley, Gareth I. Walters, P. Sherwood Burge

**Air pollution, HIV and mortality**
Nicole Robertson (Baltimore, United States), Jacquie Astemborski, Kirsten Koehler, Gregory Kirk, Megan Wilks, Meredith Mccormack, Sarath Raju

**The association between smoking and recurrent SARS-CoV-2 PCR positivity in healthcare workers: preliminary results**
Selin Çakmakçı Karakaya (Ankara, Turkey), Ahmet Uğur Demir, Alpaslan Alp

**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

**Associations of PM2.5 exposure with long COVID severity: insights from the P4O2 COVID-19 study**
Laura Houweling (Utrecht, Netherlands), Lizan Bloemsm, Judith Holtjer, Eveline De Waard, Emma Gijsbers, Roel Vermeulen, Anke-Hilse Maitland-Van Der Zee, George Downward

**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

**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

**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. Bhutt, Margde Cohen, Roger Detels, M. Bradley Drummond, Margaret A. Fischl, Robert Foronyj, Dean Hosgood, Ken Kusinaki, Deepe Lazarous, Meredith McCormack, Alison Morris, Sarah Raju, Catalina Ramirez, Jaqueline Rudolph, Valentina Stosor, Donald Tashkin, Sheri Weiser, Gina Wingood, Igor Barjaktarevic

**Prenatal and lifetime exposure to pets and development of allergic rhinitis in the first 12 years of life**
Maritta S. Jaakkola (Oulu, Finland), Inês Paciência, Aino K. Rantalala, Jouni J.K. Jaakkola

**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), Sapna Madas, Vandana Das, Monika Dhawale, Ashfaque Shaiik, Prasad Shinde, Asmita Gaikwad, Abhishek Sabale, Sundeep Salvi

**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

**MicroAlgae Technology (MAT): Transformative advancements for optimal indoor air quality in workspaces**
Maria Fernanda Parra (Switzerland, Switzerland), Bettina Reiterer, Marco Poletto, Claudia Pasquero

**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
What is the state of housing for paediatric respiratory patients attending clinic?
Charlie Moorcroft (London, United Kingdom), Abigail Whitehouse, Jonathan Grigg

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

COVID-19 patient age and disease severity arevariables 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, Herne Garcia-Baldovi, Ernest Sala-Llinàs, 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 Braïk, Yosri Ben Ali, Hend Zorgati, Oussema Saadaoui, Jiheïne Ayachi

**PS-9 Session 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)

**Atrial fibrillation in hospitalized patients with exacerbation of COPD: prevalence and associated factors**
Zichen Ji (Madrid, Spain), Javier De Miguel-Diez, Ana López-De-Andrés, José Javier Zamorano-León, Cristhian Alonso Correa-Gutiérrez, Cristina Sánchez-Fernández, Gabriella Manzanares-Cavin, Rodrigo Jiménez-García

**Tumor prevalence in a cohort of ambulatory COPD patients.**
Luís Asencio Montaegudo (Sevilla, Spain), Virginia Almadana Pacheco, María Del Mar Ignacio Exposito, Carmen Amezcuas Sanchez

**Major adverse cardiovascular events in a real-life COPD patient population**
Naomi Michotte (Overijse, Belgium), Shane Hanon, Sylvia Verbanck, Eef Vanderhelst

**Impact of co-morbid Heart Failure on health outcomes following hospitalization for AECOPD**
Kahr Rahemtulla (Edmonton, Canada), Grace Lam, Chuan Wen, Subhabrata Moitra, Michael Stickland, Jason Weatherald, Mohit Bhutani

**Severity of hospitalised COPD exacerbations and risk of cardiovascular events: a case-crossover study in France**
Maëva Zysman (cabanac et villagrains, France), Clementine Nordon, Nolwenn Poccardi, Caroline Fabry-Vendrand, Kirsty Rhodes, Amayelle Rey, Oriane Bretn, Cédric Collin, Victor Aboyans

**Heterogeneity of comorbidities captured by European national severe asthma registries in SHARP CRC**

**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 Gilbey, Baljit Ahitan, Adel Mansur

**Potential hematopoietic effects of SGLT2 inhibitors in patients with cardiac amyloidosis.**
Nikita Ermolaev (Vienna, Austria), Robin Willixhofer, Christina Cronberger, René Rettl, Christina Binder, Franz Duca, Christian Nitsche, Andreas Kammerlander, Michael Poledniczek, Bernhard Gregshammer, Diana Ahmad Fazel, Johannes Kastner, Jutta Bergler-Klein, Roza Badr 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 Väänänen (Paimio, Finland), Anton Klávus, Helga Olsen, Annina Lyly, Mariann I Lassenius, Hannu Kankaanranta, Lauri Lehtimäki
**COmorbid 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 Pomero (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 Belleri (Barcelona, Spain), Mireia Gollet, Xavier Gonzalez, Anna Penella, Alejandro Portillo, Héctor Cabrerizo, Núria Padullés, Laura Mejía, Santiago Santos, Marisa Muñoz-Esquerre

**Dexamethasone prophylaxis in sex-based respiratory complications under acute hypobaric hypoxia**
Qadar Pasha (New Delhi (Delhi), India), Kavita Sharma, Neha Chhabra, Tsering 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, Vasilina Sotropoulou, Georgios Tsirokis, Ioannis Christopoulos, Dimitrios Komninos, Alexandra Pandi, Matthias Katsaras, Vassiliki Georgioupolou, Dionyssos Papalexiatos, Fotios Sampsonas, Argyrios Tzouveleakis

**Vitamin D and B12 supplementation in patients with COPD: a cohort study**
Efthymia Papadopoulou (Thessaloniki, Greece), Konstantina Papadopoulou, Marianna Moysenos, Christos Chatzis, Rena Oikonomidou, 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 Principo, Nicola Scichilone

**Biologics suppresses asthma exacerbation in patients with allergic bronchopulmonary mycosis (ABPM)**
Yuto Motobayashi (Yokohama, Japan), Nami Masumoto, Kosuke Terada, Yuka Kodama, Yuga Yamashita, Hinako Masumitsu, Takeshi Kaneko, Naomi Tsukikawa

**No infection risk with alvelestat in patients with AATD in two phase 2 trials.**
Adzoa 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 Acencio, Alberto Cukier, Rodrigo Athanazio

**PS-16 Session 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)

**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), Domna Carstens, Malin Fageras, 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 Gruszczynska, Adam Jaczewski, Jaroslaw 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 Löffers, Alena Haack, Mustafa Abdo, Raphael Twere, Stefan Blankenberg, Elina Petersen, Klaus Rabe, Christina Magnussen

Improving respiratory mortality in Europe: are some countries being left behind?
Leanne Cheng (London, United Kingdom), Justin D. Salecicioli, Yueqi Ge, Fan Chung, Dominic C. Marshall

Influence of epidemiological methods on the estimates of respiratory disease prevalence in Italy
Giuseppe Verlato (Verona (VR), 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, Annaig Ozier, Alain Bernady, Emilie Bertaud, Julien Casteigt, Frédéric Le Guillou, Jean Moinard, Mohammed Staal, 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 Benjafied, Atul Malhotra, Meredith Barrett
### ERS Congress 2024

#### DETAILED PROGRAMME

**SUNDAY 08 SEPTEMBER, 2024**

<table>
<thead>
<tr>
<th>Disease(s)</th>
<th>Interstitial lung diseases</th>
<th>Airway diseases</th>
<th>Respiratory critical care</th>
</tr>
</thead>
<tbody>
<tr>
<td>Method(s)</td>
<td>Cell and molecular biology</td>
<td>Respiratory intensive care</td>
<td>Imaging</td>
</tr>
<tr>
<td>Tag(s)</td>
<td>Translational</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chairs</td>
<td>Chair to be confirmed</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**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 Marín, Mónica Matute, Daniel Closa, Raquel Guillamat Prats

**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

**PAFR and ICAM-1 expression increases in patients with IPF: implications for microbial pathogenesis**
Wenying Lu (Newnham, Australia), Affan M Shahzad, Surajit Dey, Prem Bhattachari, Archana V Gaikwad, Jade Jaffar, Glen Westall, Darren Sutherland, Gurpreet Kaur Singhera, Tillie-Louise Hackett, Mathew S Eapen, Sukhwinder Singh Sohal

**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

**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-Recasens, Alejandro Frino-Garcia, Nancy Perez-Rodas, Xavier Alsina-Restoy, Gemma López-Saiz, Ana Maria Medina, Federico Pietrocolla, Alvar Agusti, Mauricio Rojas, Manuel Serrano, Rosa Faner, Jacobo Sellares

**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

**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 Alejandre Alcázar

**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

**Airway epithelial-mesenchymal-transition and vascular changes in patients with asthma-COPD overlap (ACO)**
Wenying Lu (Newnham, Australia), Surajit Dey, Greg Haug, Heinrich C. Webber, Prabuddha S Pathinayake, Peter A. B. Wark, Mathew S Eapen, Sukhwinder Singh Sohal

**Peroxiredoxin 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

**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-Schnieringer, Mareike Lehmann, Thomas Mark Conlon, Diana Porras Gonzalez, M. Camila Melo-Narvaez, Carola Voss, Roxana Maria Wasnick, Herbert Schiller, Ali Oender Yildirim, Gerald Burgstaller

**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 da Gloria Rodrigues Machado, Juliana F. Gregório, Ana Flavia Almeida-Santos, Kezia Gonzalez, Luicila S. Barcelos, Robson Augusto S. Santos, Maria Jose Campagnole-Santos

**Exploring the Role of WISPI in Redox Homeostasis in COPD**
Maria Elpida Christopoulou (Freiburg im Breisgau, Germany), Eleni Papakonstantinou, Charikleia Ntenti, Gernot Zissel, Daiana Stolz

**The role of sphingosine-1-phosphate receptor 4 (S1PR4) on sustained shear stress-induced mucin hypersecretion in a murine asthma model**
Mini Jeong (Seoul, Republic of Korea), Kyomoon Koo, Sin-Jeong Kim, Min Ju Pyo, Keun-Ai Moon, You Sook Cho

**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
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 Jancauskiene

RunX1 promotes pulmonary fibrosis through fibroblasts differentiation and senescence
Faping Wang (Chengdu (Sichuan), China), Jia Liu, Xin Tian, Yutian Lai, Fengming Luo

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

Pro-fibrotic role of miR-21 and its modulation in Precision Cut Lung Slices model
Sara Bozzini (Pavia, Italy), Eleonora Bozza, Cecilia Bagnara, Giulio Mellonì, Guido Baietto, Vincenzo Sanci, Giuseppina Ferrario, Frediano Inzani, Federica Meloni

PPAR-alpha activation suppresses the TGF-b-induced profibrotic response in lung IPF fibroblasts
Gani Oruqaj (Gießen, Germany), Learta Pervizaj-Oruqaj, Andreas Günther, Susanne Herold, Wei Shi, Eveline Baumgart-Vogt

Poster session: Clinical asthma and severe asthma I
Disease(s): Airway diseases, Sleep and breathing disorders
Method(s): Physiology, Cell and molecular biology, Epidemiology, General respiratory patient care, Public health, Pulmonary function testing, Imaging
Tag(s): Clinical
Chairs: Fabio L. M. Ricciardolo (Torino, Italy), Antonio Spanevello (Milano, Italy)

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

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, Aurora Bragança, Natália André, Paula Raimundo, Teresa Falcão

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

FUNCTIONAL AND DIAPHRAGMATIC EFFECTS OF TRIPLE INHALED THERAPY BECLOMETASONE DIPROPIONATE/FORMOTEROL FUMARATE/GLYCOPYRRONIUM IN PATIENTS WITH UNCONTROLLED ASTHMA
Antonio Maiorano (Catanzaro, Italy), Anna Ferrante Bannera, Chiara Lupia, Gianluca Ippolito, Antonio Giacalone, Nicola Montenegro, Daniela Pastore, Fioramante Lello Rotundo, Francesco Giuseppe Tropea, Pasquale Romeo, Chiara Pizzi, Corrado Pelaia, Girolamo Pelaia

ERS Congress 2024
DETAILED PROGRAMME
SUNDAY 08 SEPTEMBER, 2024

PS-14 Session 12:30 - 14:00
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

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

The level of vitamin D levels depends on the severity of asthma and age of onset.
Vladyslava Kachkovska (Sumy, Ukraine), Lyudmyla Prystupa, Anna Kovchun

Impact and burden of T2-low severe asthma: Insights from the Greek PHOLLOW Study

Small Airway Dysfunction in Adult Patients with Bronchial Asthma
Aditi Maheshwari (Raipur, India), Praveen Kumar Dubey, Rahul Kumar Rohit, Sa jal De

T2-low asthma and its reflection on clinical burden
Selin Erkan (Gothenburg, Sweden), Reshed Abohalaka, Pinja Ilmarinen, Lauri Lehtimäki, Salihan Selin Ozyuygur Ermis, Daniil Lisik, Muwada Bashir Awad Bashir, Radhika Jadhav, Helena Backman, Göran Wennergren, Linda Ekerljung, Jan Löt vall, Teet Pullerits, Madeleine Rådinger, Bright Nwaru, Hannu Kankaanranta

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), Guy Brusselle, Alberto Papi, Dave Singh, Johann Christian Virchow, Giorgio Walter Canonica, Andrea Vele, George Georges

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 Olivé, Alan Junior Solís, Maria Basagaña, Clara Padró, Antoni Rosell, Jorge Abad, Carlos Martínez

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

Pioneering Asthma Detection Campaign: Insights and Impact Assessment
Anahi Yañez (Ciudad Autónoma Buenos Aires, Argentina), Ana Stock, Silvana Monsell, Pablo Moreno

Thunderstorm Asthma
Joshua Graeme-Wilson (Taunton, United Kingdom), Jessica Harrison, Adam Usher

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

Upper-airway symptoms are associated with cognitive impairment in patients with severe asthma
Andreas Liliero Bricaud (Copenhagen, Denmark), Andreas Elleby Jespersen, Charlotte Bernhoff, Nanna Dyhre-Petersen, Emillie Johanning Bari, Morten Winther Hvidtfeldt, Kasper Aanes, Kamilla Woznica Miskowiak, Celeste Porsbjerg

---

### PS-26 Session 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), Chair to be confirmed
Short- and long-term effects of imatinib in patients hospitalised for COVID-19: A randomised trial
Alex Halme (Espoo, Finland), Sanna Laakkonen, Jarno Rutanen, Olli Nevalainen, Marjatta Sinisalo, Tiina Mattila, Maarit Leinonen, Alvar Külmus, Paulina Kuutti, Ilari Kuutinen, Hanna-Riikka Kreivi, Tuomas Kilpeläinen, Heikki Kauma, Ilkka Kalliala, Petrus Järvinen, Riitta Nykänen, Taina Hammarén, Thjis Feuth, Hanna Ansakorpi, Riikka Ala-Karvia, Gordon Guyatt, Kari Tikkinen

Inhaled Aviptadil is a new hope for recovery of lung damage due to COVID-19
Dorina Rama Esendagli (Ankara, Turkey), Nuran Sari, SiIa Akhan, Sonay Arslan, Gürdal Yılmaz, Esra Canpolat Unlü, İlşl Kibar Aküll, Mustafa Kemal Çelen, Çiğdem Memrutluoglu, Ahmet Çağkan Inkaya, Ertuğrul Barış Demirkol, Levent Arafat, Erdoglan Çetinkaya, Mustafa Çörtük, Nagihan Durmuş Köşk, Elif Torun Parmaksız, Gamze Duran

Influence of demographics and dosing on COVID-19 outcomes and Favipiravir efficacy
Rebecca Wawman (East Malling, United Kingdom), Christopher M Orton, Marta Boñto, Anand Tana, James Tonkin, Alexandra N Baikov, Mark R Johnson, Anton Pozniak, Michael Pelly, Pankaj K Bhavsar, Pallav L Shah

Skin conductance as indicator of relaxation capacity in patients with and without post-traumatic stress symptoms due to COVID-19 hospitalization
Michelle Iran Aboyte Pedroza (IZTAPALAPA, Mexico), Karen Sánchez Martínez, Sandra Denisë Enriquez Godefroy, Frida Uribe Gaspar, Victoria Lilian Pachicoano Romero, Frida Albaranz Lopez, Viridiana Pelaez Hernandez, Arturo Orea Tejeda, Tomas Peña Espinosa

Efficacy of Oral 20-hydroxyecdysone (20E) in adults with severe COVID-19
Capucine Morelot-Panzini (Oral, France), Bryan Snyder, Suzana Tanni, Ludhima Abahrah Hajjar, Valerie Pourcher, 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

Influence of demographics and dosing on COVID-19 outcomes and Favipiravir efficacy
Rebecca Wawman (East Malling, United Kingdom), Christopher M Orton, Marta Boñto, Anand Tana, James Tonkin, Alexandra N Baikov, Mark R Johnson, Anton Pozniak, Michael Pelly, Pankaj K Bhavsar, Pallav L Shah

Skin conductance as indicator of relaxation capacity in patients with and without post-traumatic stress symptoms due to COVID-19 hospitalization
Michelle Iran Aboyte Pedroza (IZTAPALAPA, Mexico), Karen Sánchez Martínez, Sandra Denisë Enriquez Godefroy, Frida Uribe Gaspar, Victoria Lilian Pachicoano Romero, Frida Albaranz Lopez, Viridiana Pelaez Hernandez, Arturo Orea Tejeda, Tomas Peña Espinosa

The impact of COVID-19 infection on eosinophil dynamics
Maral Ranjbar (Hamilton, Hamilton, Canada), Ruth Cusack, Christiane Whetstone, Jennifer Wattie, Lesley Wiltshire, Jennifer Le Roux, Eric Cheng, Thivyra Srinathan, Terence Ho, Roma Sehmi, Maryonne Snow-Smith, Michelle Makaya, Amy Klion, Mylinh Duong, Gail Gauvreau

Clinical analysis of 6 patients with severe COVID-19 pneumonia who underwent pathological autopsy
Manabu Suzuki (Tokyo, Japan), Yuriko Terayama, Clara So, Akinari Tsukada, Chie Morita, Takashi Katsuno, Yusaku Kusaba, Yoshiie Tsujimoto, Akane Ishida, Masao Hashimoto, Kent Misumi, Hideki Miyazaki, Jin Jin, Hiroshi Nokihara, Shinya Izumi, Toru Igar, Masayuki Hojo, Haruhiho Sugiyama

The early impact of COVID-19 vaccines on major events in pulmonary, cardiac, and thromboembolic disease: a nationwide retrospective cohort study
Myeong Geun Choi (Seoul, Republic of Korea), Min-Ho Kim, Eun Mi Chun

Persistent SARS-CoV-2 infection: the aftermath of the pandemic.
Elvira Markela Antonogiannaki (Athens, Greece), Emmanouil Karofylakis, Andromachi Blizou, Myrto Blizou, Christina Anagnostopoulou, Maria Kanakaki, Stefanos Lampadakis, Eleni Ntalouiti, Angelos Vontetsianos, Elena Stagaki, Vasiliki Apollonatou, Ioulia Vougliani, Thomas Miganos, Effrosyni D. Manali, Sotirios Tsiodras, Spyros A Papiris, Stelios Loukides, Konstantinos Thomas

Air Pollution and post-acute sequelae of Covid-19: a multicentric study based on the EuCARE Project
André Almeida (Lisboa, Portugal), Alessandro Cozzi-Lepri, Massimo Staffa, Maria Francesca Greco, Julia Caporal, Mariella Santoro, Federica Nobile, Joana Monjardino, Tâciana Albuquerqu, Francesca Biag, Giulia Marchetti, Hugo Tente, Anderson Rudke, Rizzieri Pedruzzi, Marco Ianetta, Daniele Spalletta, Luca Marioti, Francesca Inerocina, Cristiana Toscano, Ana Abecasis, Thierry Mertens

Long COVID: A risk factor for anxiety, depression, and suicidality?
Nesihvan Özmeliç (Rize, Turkey), Songül Ozyurt, Elván Senturk Topaloglu, Aziz Gumus, Cicek Hocaoglu, Unal Sahin

Muscle Mass and COVID-19: Exploring the Prognostic Value of Sarcopenia through Psoas Volume Analysis using Artificial Intelligence Technology
Yoshihita Wakabayashi (Tokyo, Japan), Shin Nakayama, Ai Yamamoto, Kyungho Chang, Takatoshi Kitazawa, Kazuhisa Tsukamoto
Comparison of RSV, influenza and COVID-19 clinical characteristics in hospitalized adults in Valladolid–Spain, 2010–2022
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-Muiñoz

Transaminases and their association with disease severity and mortality in patients with Corona Virus Disease (COVID-19) in a tertiary hospital in the Philippines
JONI RANADA-CAMAQUIN (Batac City, Philippines), Ma. Blanca Kua

Outcomes of two kinds of 3CLpro inhibitors in delayed treatment of COVID-19 patients with diabetes
qiongjiao wang (Kunming, China)

Retrospective analysis on Nirmatrevelvir versus Simnottrelvir for adults with moderate to severe COVID-19.
ing liu (Kunming, China), Long Yang, Quoqi Wei, Huangjin He, Wenqian Zhao, Liu Yang

Greater COVID-19-related healthcare utilisation with multimorbidity versus single or immunocompromised conditions
Frank Ernst (Cincinnati, United States), Leah Mc Grath, Laura Choi, Alejandro Cané, Florin Draica, Irini Zografaki, Lili Jiang, Santiago Lopez, Daniel Curcio

The Impact of Early Antibiotic Use on Clinical Outcomes of Patients Hospitalized with COVID-19: A Propensity Score-Matched Analysis.
Yishan Duan (Chengdu, China), Jing Wang, Jinrui Hu, Bojiang Chen, Weimin Li

Cytokines profile in COVID-19 patients during and following hospitalization
Dan Padawer (Jerusalem, Israel), Fares Darawshy, Yaser Salaymeh, Abed Qadan, Neville Berkman

PS-19 Session 12:30 - 14:00
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
Chairs : Stijn Verhulst (Antwerpen, Belgium), Ruth Urbantat (Berlin, Germany)

Methacholine pre-test asthma probability score in paediatric population
Tahani Ibrahim (FONTEY 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 Goia (Torino (TO), Italy), Anna Folino, Laura Barrocu, 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 Larocca, 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), Grzegorz Brożek, Jadwiga Gabor, Kamil Barański, Małgorzata Farnik, Anna Kłeczek, Szymon Skoczyński, Jarosław Paluch, Andrzej Swinariew

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 Nayır Büyükaşın, Erhan Ozel, Nguyen Emir Alioglu, Ordukaya, Hayrettin Hakan Aykan, Ebru Yağışin, Deniz Doğru, Emine Nurul Kiper, Ulkuhan Oztoprak, Dilek Yalnizuğlu, Gökknur Halilgül, 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

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 Kotsia (Athens, Greece), Anastasia Polyarchou, 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 Parisi

Management of obstructive sleep-disordered breathing type 1 in children and adolescent – a French consensus
Guillaume Aubertin (Paris, France), Mohamed Askari, Amelie Andrieux, Claire Colas Des Francs, Brigitte Faureux, Patricia Franco, Frederique Gagnadoux, Olivier Gallet De Santerre, Bruno Grollemund, 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
Kara 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), Ciara 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 Polyarchou, Georgia Koltsida, Christina Kanaka-Gantenbein

Video-respiratory polygraphy for the diagnosis of obstructive sleep apnea in children
Iulia Cristina Ioan (Vandoeuvre-Les-Nancy, France), Yacine Touil, Laurianne Coutier, Sofia Da Mota, Patricia Franco, Cyril Schweitzer

Autonomic dysfunction among overweight children with sleep-disordered breathing
Elpis Hatzigorou (Thessaloniki, Greece), Athina Sopiadou, Theodoros Samaras, Apostolos Nikopoulos, Evangelia Kouidi, Elisavet-Anna Chryssochou, Kiriaki Tsiroukidou, Athanasios G. Kaditis

Prevalence and associations of sleep disordered 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, Kirrily Filmer, Andrew Wilson

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 Vacirca, Riccardo Adorisi, Lorenzo Spaggiari
Evaluation of the surgical treatment of lung cancer
Borislav Kondov (Skopje, North Macedonia), Risto Colanceski, Goran Kondov, Nexhat Jakupi, Magdalena Bogdanovska, Marjya Sreева, Natasha Toleska, Inzran Ferati, Anita Kokareva, Andrej Atanassovski

Surgical Management and Survival Analysis of Pulmonary Carcinoid Tumors: A Three-Decade Perspective.
Wassim Chaieb (Ariana, Tunisia), Zied Chaari, Aymen Ben Ayed, Aly Ben Salem, Abdessalem Bentati, Imed Frikha

Exploring Covid-19’s role in postoperative complications incidence following Lung Resection Surgeries for Cancer
Moud Gourtı (Agadir, Morocco), Rim Zaimi, Bassil Dahnıh, Elmeıdı Maidı, Patrick Bagan

How to perform Hybrid Uniportal Lung Biopsy in less than 15 minutes
Asser Younes (Suez, Egypt), Marco Nardini, Rayıd Abdulqawi, Rana Saleh, Ayırm Arbaeen, Wael Ahmed, Turkı Alhawtı, Mamoud Hashım, Waleıl Saleh, Khalıdı Alkattın, Marcello Miglıörı

Tara Byrne (Ballinasloe (County Longford), Ireland), Alan Soo

Digital or Traditionnal : A comparative analysis of drainage Medical Devices for post-Lung resection in Cancer
Moud Gourtı (Agadir, Morocco), Patrick Bagan

Management and Clinical Profile of Tracheal Adenoid Cystic Carcinoma: A surgical series.
Wassim Chaieb (Ariana, Tunisia), Amina AbdelKirı, Hazım Zıribı, İmen Buıassıda, Sarra Maaazaoui, Mehdı Abdennadıher, Adel Marglı

Peri- and postoperative morbidity and mortality in elderly patients with non-small cell lung cancer: a matched-pair study
Maximilian Gysan (Wien, Austria), Seyer Safı, Dorotheea Weber, Rouven Behnisch, Thomas Muley, Esther Herpel, Hauke Winter, Hans Hoffmann, Martin Eichhırn

Postoperative respiratory morbidity in onco-thoracic surgery: risk factors
Chaima Sassi (Tunis, Tunisia), Jawhar Souilhi, Manel abbess, Amırı Dridı, Nızar Fitouhı, Adel Merghı, Sonia Ouerghi, Taher Mestırı

Uncomplicated VATS lobectomies in early stage lung cancer: the Greek oxymoron of keeping up with the guidelines and achieving financial loss
Georgia Hardaıella (Athens, Greece), Ioannis Karampinıs, Ioannis Kyritis, Antonıos Katsıpoulakis, Nikolaos Anastasiou

Perioperative Tranexamic acid administration for reducing blood loss in major bronchopulmonary cancer surgery
Chaima Sassi (Tunis, Tunisia), Jawhar Souilhi, Sonia Ouerghi, Manel Abbess, Mahdı Abdennadıher, Adel Merghı, Nızar Fitouhı, Amırı Dridı, Taher Mestırı

Prevention of postoperative atrial arrhythmias in major bronchopulmonary cancer surgery: Celiprolol versus Diltiazem about 30 cases
Chaima Sassi (Tunis, Tunisia), Jawhar Souilhi, Rim Karabornı, Ines Ben Zıd, Kaıounter Ben Amara, Öuerghi Sonıa, Fitouhı Nızar, Mahdı Abdennadıher, Amırı Dridı, Adel Merghı, Taher Mestırı

Recurrent bilateral hydro-pneumothorax in metastatic osteosarcoma: one-stage treatment by bilateral uniportal VATS.
Ayırm Arbaeen (Riyadh, Saudi Arabia), Amal Abdulhaıq, Rana Saleh, Wael Ahmed, Asser Younes, Rayıd Abdulqawı, Waleıl Saleh, Marcello Miglıörı

Salvage Surgery in Persistent Lung Cancer
Kalliopi Athanassiadi (Athens, Greece), Evangelia Liverakou, Evangelia Chatzimihali, Zachos Diakonokláou, Konstantinos Eleftherıou, Ioanna Sigalı, Vasilıs Gıgorıpoupolıs, Nıki Gianniou, Eleftherıa Mızı, Nektarios Alevıpoupolıs, Theodoros Tegıs, Michaeıl Vasiłamatzıs, Parasıkeı Katısaounou

Bi-centric Experience with Cytoreductive surgery and hyperthermic intra-thoracic chemotherapy (HITHOC) for pleural malignancies
Amal Abdulhaıq (Riyadh, Saudi Arabia), Mamoud Hashım, Norberto Sántana, Ayırm Arbaeen, Waleıl Saleh, Khalıdı Al Kattın, Marcello Miglıörı

Anatomical lung resection learning curve: comparison between new modular robotic surgical system and VATS technique
Lorenzo Rosso (Milan, Italy), Margherita Brivio, Ilaria Righı, Cattaneo Margherita, Nosotti Mario

Systemic Autoimmune Diseases & Lung Cancer
Kalliopi Athanassiadi (Athens, Greece), Evangelia Chatzimihali, Magdalini Simou, Alexandros Tsompanellıs, Dimitra Exarchopoulıou, Aıkatırını Katısndrı, Konstantinos Eleftherıou, Eleftherıa Mızı, Nıki Gianniou, Ioanna Sigalı, Georgıos Katıskıs, Michahıl Polychroniadıs
**The importance of lobectomy versus segmentectomy in stage I NSCLC**
Ioannis Kyritsis (Greece), Andriani Charpidou, Alexios Ververiotis, Marousa Kouvela, Nikolaos Anastasiou, Periklis Tomos, Grigoris Stratakos, Konstantinos Syrigos

**Intrathoracic solitary fibrous tumors: about 18 cases**
Wassim Chaieb (Ariana, Tunisia), FATMA INCHED JEMAL, Amina Abdelkhir, Imen Bouassida, Mahdi Abdenadher, Sarra Zairi, Sarra Maazaoui, Hazem Zribi, Adel Marghli

---

**PS-1 Session 12:30 - 14:00**

**Poster session: Clinical problems in respiratory medicine I**

<table>
<thead>
<tr>
<th>Disease(s)</th>
<th>Respiratory critical care</th>
<th>Airway diseases</th>
<th>Interstitial lung diseases</th>
<th>Pulmonary vascular diseases</th>
<th>Sleep and breathing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Disorder(s)</td>
<td>Endoscopy and interventional pulmonology</td>
<td>Imaging</td>
<td>Respiratory intensive care</td>
<td>General respiratory patient care</td>
<td></td>
</tr>
</tbody>
</table>

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

**Physiology:**
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)

**Asymptomatic Pulmonary Cryptococcosis and Tuberculosis Co-infection in an immunocompetent Host: A case report.**
Rashmi Giri (Kathmandu, Nepal)

**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

**Predictors of severe course and mortality in patients with COVID-19 associated pneumonia.**
Vesela Blagoeva (Plovdiv, Bulgaria), Vladimir Hodzhev, Rositsa Dimova, Rumyana Stoyanova

**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 Bentah, Imed Frihka

**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 Colacicco, Massimo Croci, Elvia Giovanna Battaglia, Paolo Tarsia, Valeria Sansone, Marco Mantero, Elisabetta Roma

**The effectiveness of erdosteine in patients with COPD in combination with secondary bronchiectasis**
Uliana Shevchuk-Budz (Ivano-Frankivsk, Ukraine), Mykola Ostrovsky, Iryna Makoida, Mariana Kulynych-Misikiv, Oleksandr Varunkiv, Iryna Savelikhina

**Blood eosinophil level in COPD patients depending on different risk factors**
Nataliia Sanina (Dnepro, 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, Nandini Dixit, Neha Kumari, Ankit Kumar

### Factors Predicting In-Hospital Mortality in Acute Exacerbations of Idiopathic Pulmonary Fibrosis
Ahmet Urasvaş (Bursa, Turkey), Ozge Aydin Guclu, Nilufer Aylin Acet Ozturk, Anil Ozgur, Arzu Özpehlivan, Ezgi Demirdogen, Asli Gerek Dilektsli, 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), Nareerat 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, Mikihiito 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, Naia Nadia Moreira Da Silva, Fernandes 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 Kaltakis, 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

---

**PS-5**

**Session** 12:30 - 14:00

**Poster session: Non-invasive respiratory support in acute respiratory failure**

<table>
<thead>
<tr>
<th>Disease(s)</th>
<th>Airway diseases</th>
<th>Sleep and breathing disorders</th>
<th>Pulmonary vascular diseases</th>
</tr>
</thead>
<tbody>
<tr>
<td>Respiratory critical care</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>General respiratory patient care</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Physiology</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Epidemiology</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Tag(s):** Clinical

**Chairs:** Lara Pisani (Bologna (BO), Italy), Annemijn Jonkman (Rotterdam, Netherlands)

<table>
<thead>
<tr>
<th>Effect of alternate invasive and noninvasive ventilation on duration of mechanical ventilation in patients with tracheotomy: a multicenter randomized controlled trial</th>
</tr>
</thead>
<tbody>
<tr>
<td>Xiaozhuo Zheng (Chongqing, China), Lei Wu, Shuliang Guo</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>The impact of different prong-nares ratio on ventilation in subjects using nasal high-flow (NHF) – a physiological study</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jens Bräunlich (Leipzig, Germany), Hubert Wirtz</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Influence of nasal high-flow (NHF) on right hearth function in stable patients with pulmonary hypertension</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jens Bräunlich (Leipzig, Germany), Hubert Wirtz</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>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 Spinat, Daniele Magni, Samuele Promi, Giulia Russo, Paolo Scarpaazzza</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Optimizing NIV initiation in acute hypercapnic respiratory failure: a multisystem approach reducing delays</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anna Newton (West midlands, United Kingdom), Aqsa Zahid, Viktoria Oakden, Jawad Ahmad, Anna Mowat, Atul Gulati</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Exploring Factors Associated with Intolerance of Helmet NIV in High-Risk Postextubation Patients; A Retrospective Cohort Study</th>
</tr>
</thead>
<tbody>
<tr>
<td>Napat Jirawat (Bangkok, Thailand), Napplika Kongpolprom</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Delta ROX as a predictor of High flow nasal cannula failure in COVID-19 critically ill patients</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lilia Bouajina (Kairouan, Tunisia), Oussena Saadaoui, Hend Zorgati, Yosri Ben Ali, Souriour Bel Haj Youssef, Dhouha Ben Braiek, Amani Kacem, Iman Kharrat, Rania Hidri, Anis Maatallah, Rahma Ben Jazia, Jihene Ayachi</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Performance of low-flow oxygen delivery systems with mouth breathing and altered respiratory mechanics: a bench study.</th>
</tr>
</thead>
<tbody>
<tr>
<td>William Poncin (Bruxelles, Belgium), Shani Arrouch, Roberto Martinez-Alejos, Emeline Fresnel</td>
</tr>
</tbody>
</table>
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 Ergun, 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 Hadj Youssef, Yosri Ben Ali, Rania Hidri, Ameni Kacem, Imen Kherrat, Anis Maatallah, Rahma Ben Jazia, Jihene Ayachi

Comparison of Extubation Success between Prophylactic Helmet NIV and High-flow Nasal Cannula in Postextubation Patients at High Risk of Reintubation
Panayporn Temphatharachok (Bangkok, Thailand), Napplika Kongpolprom

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

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, Brígida Amatto, Felipe Silva, Sabrina Bernardes, Mauro Vidigal De Rezende Lopes

Response to high-intensity ventilation in COPD using IVAPS mode.
Paula Pujal Montaña (L’Ametlla Del Valles, Spain), Macarena Segura Medina, Patricia Peña Coba Toribio, Ana Pardessus Otero, Carme Puy Rion, Carolina Panadero Paz, Sandra Lopez Suarez, Noelia Perez Marquez, Pedro A Anton Albisu

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 Shyamsundar

Prophylactic Helmet NIV versus Facemask NIV on Extubation Success in Postextubation Patients with Preexisting Cardiac Disease: A Retrospective Cohort Study
Napat Jirawat (Bangkok, Thailand), Napplika Kongpolprom

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)

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

Poster session: Different tools and predictive models for the diagnosis/screening of obstructive sleep apnoea
Session 12:30 - 14:00

Disease(s) : Sleep and breathing disorders, Respiratory critical care
Method(s) : General respiratory patient care, Imaging, Physiology, Respiratory intensive care, Public health, Epidemiology, Pulmonary function testing, Pulmonary rehabilitation
Tag(s) : Clinical
Chairs : Ding Zou (Gothenburg, Sweden), Frederik Hermans (Zutendaal, Belgium)

Application of the STOP-BANG Questionnaire with a Modified Scoring Model on Detection of Undiagnosed Obstructive Sleep Apnea
Ophelia Lam Hin Shek (Shatin, Hong Kong), Chi Kai Chow, Lam Hin Shek, Mo Lin Wong

Morning headaches as a specific OSA characteristic in a large sleep clinic population
Athanasia Pataka (Thessaloniki, Greece), Serafim Chrysovalantis, Kotoulas, Asterios Tzinias, Aliki Karkala, Giannis Beis, Anastasia Argyropoulou, Evdokia Sourla, George Kalamaras

Scalloped tongue: a clinical sign of severe obstructive sleep apnea?
Francisca Trigueiros Pinçã, Nito Guedes Guimaraes (Lisboa, Portugal), Joana Canadas, Maria Cunha, Vera Durão, Paula Rosa, Flávio Magalhães

Prevalence and characteristics of OSA patients with sawtooth sign in spirometry
Mahdi Martani (Constantine, Algeria), Mohamed Kheireddine Bourahli, Safia Brihi, Mohamed Bougrida
APP.nee: a digital tool for obstructive sleep apnoea screening
Luca Roberti (Rome, Italy), Luigi Carroccio, Carmelo Causarano, Matteo Siciliano, Giuseppe Insalaco

A diagnostic algorithm for obstructive sleep apnea in primary care
Lidia Zamudio Domingo (BANYOLES, Spain), Eric Rojas-Calvera, Anton Obrador Legarés, Anna Torrente Nieto, Carmen Vargas Arévalo, Judith Pinsach Garanger, Daniela Torres Scianca, Gerardo Muñoz Castro, Marc Bonnin Vilaplana, Ramon Oriois Martinez

Comparison of the WatchPAT device with Polysomnography and Home Limited Sleep Studies for the Diagnosis of Obstructive Sleep Apnoea.
Christina D. Campbell (Dublin 6, Ireland), Ben Mc Ginn, Thomas Kane, Margaret Gleeson, Padraic Ridge, Ross Morgan, Emmet O’Brien, Richard Costello, Daniel Ryan, Imran Sulaiman

Diagnosis of neurological and respiratory sleep disorders using home-video-PSG: preliminary results in 325 patients
Giulia Rimmado (Palermo, Italy), Chiara Cirona, Giuseppe Di Liberto, Vincenzo Di Stefano, Cesare Gagliardo, Filippo Brighina, Marisa Bonsignore, Andrea Gagliardi

Construction and evaluation of a predictive model for the types of respiratory events in patients with OSA based on hypoxic parameters
Cheng Peng (Tianjin, China)

Changes in physiological entropy signals in patient with obstructive sleep apnoea: a systematic review
Nawal Alotaibi (London, United Kingdom), Maggie Cheung, John Hurst, Alireza Mani, Swapna Mandal

Hypoxic burden as diagnostic indicator of obstructive sleep apnea
Javier Romero Lopez (Sevilla, Spain), Jaime Domínguez Caró, Jessica Hilares Vera, Ana Belén Rodríguez Gómez, Gloria Toledo Muñoz-Cobo

Hypoxic burden combination model in screening low-ArTH subtype of obstructive sleep apnea
Yi Wang (Shanghai, China), Qingyun Li

Diagnostic performance of a Doppler radar-based sleep apnoea testing device
Jonathan Röcken (Basel, Switzerland), Andrei M. Darie, Claire E. Dexter, Leticia Grize, Michael Tamm, Daiana Stolz

Non-contact monitoring of respiratory rate including sleep apnea using millimeter wave radar.
Kazuo Chin (H. B. Jin) (Tokyo, Japan), Shigeki Okumura, Daisuke Endo, Tatsuya Ito, Mamiko Hoshi, Yutaka Kozu, Hironobu Sunadome, Kimihiko Murase, Susumu Sato, Toyohiro Hirai, Yasuhiro Gon, Takuya Sakamoto, Hirofumi Taki, Toshiki Akahoshi

The utility of visceral fat area for screening nocturnal hypoxemia in non-obese subjects
Pei Yi Shen (Taihong, Taiwan), Tung-Chuan Liu, Ming-Feng Wu, Wei-Chang Huang

Spontaneous brain activity in obstructive sleep apnea with excessive daytime sleepiness
yuanfeng sun (chengdu, China), Xiangdong Tang

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

Different aspects of daytime sleepiness among subjects with obesity.
Harpa Arnardottir (Akureyri, Iceland), Thorarinn Gisladon, Gudjon Kristjansson

Obstructive positional sleep apnea. Prevalence and characteristics.
Karla Margarita Cordero Camacho (Valladolid (Valladolid), Spain), Claudia Beigveder Durante, Carmen Ainhoa Arroyo Domingo, Fernando Gil Diez, Ángela Álvarez Suárez, Tomás Ruiz Albi, Daniel Álvarez González, Fernando Moreno Torrero, Gonzalo Gutiérrez Tobal, Fernando Vaquerizo Villar, Roberto Hornero Sánchez, Félix Del Campo Matías

The clinical significance of REM-predominant obstructive sleep apnea: a retrospective observational study
Shauni Wellekens (Aalst, Belgium), Eef Vanderhelst, Sonia De Weerdt

PS-13 Session 12:30 - 14:00
Poster session: Clinical chronic obstructive pulmonary disease I

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

Tag(s) : Clinical

Chairs : Nicolas Roche (Paris, France), Christine Cramer (Aarhus, Denmark)
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
Wardia 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 Linden

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 Pregman Adolphsson, Daniel Öhman, Matthew Bonam, Magnus Jörnten-Karlsson, Paul Thomson, Eric Cole, Sana Ansari, Tatiana Scentintina, Stephen Baker

Development in employment status in patients with COPD from 1980-2018
Melina Gade Sikjaer (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 Jamli, 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), Özgur Yildiz

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

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 Rodriguez Rodriguez, Joaquin Monteagudo Rodriguez, Salvador Pons Vives, Antonio 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), Biljana Cvetkovski, Bandana Saini, Sinthia Bosnic-Anticevich
Specific causes of mortality in patients with chronic obstructive pulmonary disease – a prospective multicenter study.
Kristian Brat (Brno, Czech Republic), Michal Svoboda, Jaromir Zatloukal, Marek Plutinsky, Eva Volakova, Patrice Popelkova, Barbora Novotna, Tomas Dvorak, Vladimir Koblízek

PS-27  Session  12:30 - 14:00

Poster session: Diagnostic pearls in lung cancer

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)

Limited diagnostic yield of urgent haemoptysis referrals to lung cancer clinics
David Quigley (Dublin, Ireland), Laura Piggott, Parthiban Nadarajan

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

Ultrasound-guided (USG) Tru-Cut biopsies of thoracic masses performed by respiratory physicians.
Viktoria Oakden (Stoke-on-Trent, United Kingdom), Amna Salman, Muhammad Ganaie

Efficacy of imaging-guided transthoracic needle lung biopsy - a single center retrospective study
Cristian Pintilie (Bucharest, Romania), Athir Eddan, Vlad Ştefan Băcăoiu, Ştefania Florina Oprea, Cristina Sanda, Paula Copil, Daniel Muşetescu, Radu Matache, Claudia Lucia Toma

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

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

Implementation of rigid bronchoscopy safety protocols in lung cancer diagnosis
Georgia Hardavella (Athens, Greece), Ioannis Karampinis, Ioannis Kyritsis, Antonios Katsipoulakis, Nikolaos Anastasiou

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, Costas Papagiannopoulos, Peter Tcherveniakov, Nilanjana Chaudhuri

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, Dragos Sion, Nicolae Gheorghiu, Catalina Ceausescu, Mihaela Dan Davidescu

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

Percutaneous CT-guided thermal ablation of primary lung cancer
Elissavet Konstantelou (Athens, Greece), Georgia Hardavelia, Avraam Assi, Marianna Dimitrokopoulou, Aikaterini Kosma, Evangelos Lianos, Evangelos Fergadis, Anna Ntouk, Nikolaos Charalampakis, Elissasios Kontis, Ioannis Karampinis, Nikolaos Bolas, Nikolaos Zias, Christos Kosmas, Konstantinos Stefanidis

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 Imaiuzumi

Navigated Superselective Intrabronchial Brachytherapy for peripheral lung cancer: an old technique plays a new role
Yishi Li (Chongqing, China), Longhao Li

Urine metabolomics can discriminate between NSCLC or SCLC
Andrine Vangberg (Aberystwyth, United Kingdom), Tina Kramarić, Manfred Beckmann, David Rooke, Luis A J Mur, Keir E Lewis
The electronic nose in lung cancer diagnostics: A systematic review and meta-analysis

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

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

Routes to diagnosis, diagnostic intensity and mortality among elderly lung cancer patients in a population-based setting
Niels Lyhne Christensen (Tilst, Denmark), Torben Riis Rasmussen, Anja Gouliaev

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

The impact of PET/CT parameters on survival in small cell lung cancer
Merve Ayık Türk (Izmir, Turkey), Mücahit Fidan, Nurşin Agüloğlu, Sinan Çoru, Özgür Batum, Berna Kömürcüoğlu

Session 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 (Tregommeur, France), Julien Grynblat, Laurent Savale, Thomas Lacoste-Palasset, Xavier Jaïs, Florence Coulet, Marilyne Levy, Damien Bonnet, Olivier Meyrignac, Olivier Sitbon, François Goupil, Marc Humbert, Frederic Gagnadoux, David Montani

Pulmonary vascular phenotype identified in patients with GDF2 (BMP9) or BMP10 variants: An international multicentre study
Julien GRYNBLAT (Paris, France), Harm Jan Bogaard, Melanie Eyries, Olivier Meyrignac, Laurent Savale, Xavier Jaïs, Maria-Rosa Ghigna, Lucas Celant, Arjan Houweling, Lilian Meijboom, Marilyne Levy, Fabrice Antigny, Ari Chaouat, Vincent Cottin, Olivier Sitbon, Damien Bonnet, Marc Humbert, David Montani

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 Abe Sleimen, Sandra Breuils Bonnet, Alice Bourgeois, Melanie Sauvaget, Sandra Martineau, Sarah-Eve Lemay, Charlotte Ronnet, Charlie Théberge, Olivier Boucherat, Steeve Provencher, Sebastien Bonnet, François Potus

Aurora kinase B: A New Therapeutic Target in PAH
Sarah-Eve Lemay (Quebec, Canada), Manon Mougin, Mélanie Sauvaget, Reem El Kabout, Keiko Yamamoto, Sandra Martineau, Andrénne Pelletier, Yann Grobs, Alice Bourgeois, Charlotte Romanet, Sandra Breuils-Bonnet, Charlie Théberge, François Potus, Steeve Provencher, Sébastien Bonnet, Olivier Boucherat

Exploring P300/CBP as therapeutic targets for pulmonary arterial hypertension and right ventricular failure
Alice Bourgeois (Quebec, Canada), Sarah-Eve Lemay, Yann Grobs, Charlotte Romanet, Charlie Théberge, Mélanie Sauvaget, Sandra Martineau, Sandra Breuils-Bonnet, François Potus, Steeve 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
Narciclasine 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, Steeve Provencher, Sebastien Bonnet

Understanding the role of SOX17 in the shear stress response of the arterial endothelium
Beau Neep (Lelystad, Netherlands), Laura De Heus, Xiaoke Pan, Harm Jan Bogaard, Jurjan Aman

Reverse remodeling and anti-proliferative effects of seralutinib in PAH precision-cut lung slices and pulmonary artery smooth muscle cells
Beate Christiane Schlüter (Gießen, Germany), Ravi Kumar Sitapara, Eduardo Garcia, Lawrence S. Zisman, Jean-Marie Bruyé, Soni Pullamsetti, Ralph Theo Schermuly, Chani Valasarajan

Utilising self-similarity to model the morphology of the pulmonary arteries
Atefeh Rahimi (Auckland, New Zealand), Joyce John, Kelly S Burrowes, Alys Clark, Farbod N Rahaghi, Raul San Jose Estepar, Merryn Tawhai

Unlocking the Potential of Genetic Research in Pulmonary Arterial Hypertension: Insights from Clinicians, Researchers and Study Team
Emilia Maria ŚWIETLIK (CAMBRIDGE, United Kingdom), Michaela Fay, Nicholas W Morrell

Pathogenic variants of genes associated with pulmonary arterial hypertension (PAH): Insights from Trans-Omics for Precision Medicine (TOPMed) study participants
Vasile Foris (Graz, Austria), Adel Boueiz, Kangjin Kim, Courtney Tern, Edwin K Silverman, Michael H Cho

Reduced SOX17 in HPAECs drives CXCL10/11 upregulation and CXCR3-dependant lymphocyte migration in vitro
Abdul Mahomed (London, United Kingdom), Abdul Mahomed, Anne Burke-Gaffney, Quezia Toe, Gregory Quinlan, Christopher Rhodes, James Pease, S John Wort

Identification of integrin α5β1 inhibition as a potentially disease-modifying approach for the treatment of pulmonary arterial hypertension
Monica Montesinos (Waltham, United States), Sarah-Eve Lemay, Parmita Saxena, Hailey Rapisardi, Minh Hai Nguyen, Hae Jin Kim, Muzaffar Akram, Dhawal Jain, Elizabeth H. Konopka, Terence I. Moy, Inese Smukste, Andrew Metcague, James E. Dowling, Sujan Lam, Jessica Verhaegen, Pieterjan Kerckhof, Charlotte Hooft, Xin Jin, Laurens J. Ceulemans, Tom Verbelen, Emanuele Muscogiuri, Marion Delcroix, Rozenn Quarc, Bart M. Vanaudenaerde, Laurent Godinas

Plexiform lesions in human explant lungs with end-stage pulmonary arterial hypertension: µCT analysis
Gitte Aerts (Leuven, Belgium), Lynn Willems, Laura Hardy, Baptiste De Jonghe, Robin Anthonsen, Astrid Vermeulen, Vincent Geudens, Janne Verhaegen, Pieterjan Kerckhof, Charlotte Hooft, Xin Jin, Laurens J. Ceulemans, Tom Verbelen, Emanuele Muscogiuri, Marion Delcroix, Rozenn Quarc, Bart M. Vanaudenaerde, Laurent Godinas

Role of ATP Citrate Lyase (ACLY) in Vascular Remodeling
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 Provencher, Olivier Boucherat, Sebastien Bonnet

**Poster session: Airway clearance, respiratory physiotherapy and rehabilitation in acute and chronic respiratory problems**
**Session 12:30 - 14:00**

**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)

**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 Vollsøet

**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 Karcigolu, Naciye Vardar-Yaglı
Core outcome set for studies investigating secretion clearance interventions used in the community by patients with neuromuscular disease (NMD).
Neeraj Shah (London, United Kingdom), Chloe Apps, Reshma Amin, Georgios Kaltsakas, Nicholas Hart, Patrick Murphy, Louise Rose

Correlation between different biophysical properties of sputum in bronchiectasis patients
Nona Rovira Ribalta (Solsona, Spain), Victoria Alcaraz-Serrano, Héctor Sanz-Fraile, Beatriz Herrero-Cortina, Laia Fernández-Barat, Ramón Farré, Jorge Otero, Antoni Torres-Martí

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

Can 129Xe ventilation MRI guide personalisation of airway clearance regimens in children with Primary Ciliary Dyskinesia?
Lynee Schofield (Leeds, United Kingdom), Alberto Biancardi, David Capener, David Hughes, Helen Marshall, Eduardo Moya, Evie Robson, Susi Shanks, Anna Shawcross, Sally Singh, Laurie Smith, Noreen West, Jim Wild, Daniel Hind

Airway resistance changes after intrapulmonary percussion ventilation in COPD patients
Yinka De Meyer (Kontich, Belgium), Wendel Dierkx, Kris Ides, Eline Lauwers, Wilfried De Backer

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 Combet, Mélyodi Couet, Tristan Bonnevie, Francis-Edouard Gravier, Timothée Gillot, Pascal Le Roux, Roger Hilfiker, Clément Medrinal, Guillaume Prieur

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

Upper airway and transglaryngeal 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 Fondefnes, Roy Miodini Nilsen, Ola Drange Roksvand, Maria Vollsæter

Accuracy of real-time data provided by mechanical insufflation-exsufflation devices
Roberto Martinez Alejos (Montpellier, France), Marius Lebret, Alice Vuillemoz, Emeline Fresnel, François Beloncle

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 Schroder, William Poncin, Ana Oliveira, Gregory Reychler, Pierre Cnockaert, Nicolas Audag, Lucile Gely, Olivier Contal, Kris Ides, Christian Osadnik, Beatriz Herrero-Cortina, Inger Mechlenburg

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 Santistevle Losites, Ivan Benitez, Carlos Manzano Senra, Marcela Suarez Bustamante, Anna Moncusi Moix, Alicia Sayes Chueca, Eduardo Jose Garcia Urrestarazu, Ana Belén Alcaide Ocaña, Javier Burgos Lozano, Ana Munoz De Las Fuentes, Joel-Suresh Lakhani Lakhani, Beatriz Raboso, Cristina Pou Alvarez, Marta Erro Iribarren, Rosa Abril Castañon, Juan Pablo 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 Combet, Clément Medrinal

Predictive validity of CPAx-NOR in critically ill adult patients requiring intubation and mechanical ventilation over 48 hours
Vetle Osenbroch Kallekiv (Vøyenenga, Norway), Tina Marie Hethey, Hilde Froksedal, 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 Kirakli

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
PS-23  Session  12:30 - 14:00

Poster session: Innovative use of pulmonary function tests for better prediction, assessment and monitoring of pulmonary diseases

Disease(s):  Airway diseases | Interstitial lung diseases | Respiratory critical care | Thoracic oncology
Method(s):  Pulmonary function testing | General respiratory patient care | Pulmonary rehabilitation | Transplantation | Surgery
Physiology:  Public health
Tag(s):  Clinical
Chairs:  Mart N. van der Plas (Monster, Netherlands), Ella O'Neill (Cambridge, United Kingdom)

- **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

- **Lost in Equity-Impact of reference equation change and ERS/ATS 2022 guidelines on lung function test interpretation in Pakistani population**
  Taymmia Ejaz (Islamabad, Pakistan), Faris Gulamali, Muhammad Irfan, Abdus Subhan, Moiz Salahuddin, Javaid Khan

- **Reference values for the 6-minute walk test in Caucasians between 18 and 87 years**
  Kevin De Soomere (Edegem, Belgium), Kaat Geubels, Hilbert Mendoza, Reinier Wener, Therese Lapperre, Ellie Oostveen

- **What factors alter 6-minute walk test parameters after Covid-19 respiratory infection?**
  Salma Mokaddem Mobsen (Tunis, Tunisia), Hela Cherif, Hadhemi Rejeb, Siwar Belghith, Khouloud Kechaou, Soumaya Khalid, Saloua Ben Khumsa Jameeddine

- **Assessing 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 Orłowski, 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 Öztürk Şahin, İlkyay 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 Kapsyzi
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 Eulálio 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 (Kirikkale, Turkey), Funda Sirakaya, Aynur Demirel, Meral Sertel

PS-15 Session 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)

Integrative bacteriome-resistome of U-BIOPRED metagenomes reveals severe asthma cluster of multidrug resistant H. influenzae
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

Probiotics combined with prebiotics alleviated seasonal allergic rhinitis by altering the intestinal microbiota
Yun Liu (Xi'an, China), Yang'fan Hou

Airway fungal and bacterial microbiota in allergic bronchopulmonary aspergillosis
Xi Chen (Beijing, China), Moqin Zhang, Yanliang Ma, Zhancheng Gao

Phenotyping patients with Severe asthma: An enterotoxin-based approach
Pinelopi Schoini (Cholargos, Greece), Vasiliki Apollonatou, Myrto Blizou, Maria Sfika, Nektarios Koufopoulos, Emmanouil Liatsis, Periklis Foukas, Petros Bakakos, Stylianos Loukides

Microbial metabolism 4-hydroxybenzoic acid protects against airway mucus secretion in ovalbumin-allergic mice
Yun Liu (Xi'an, China), Yang'fan Hou

Nasal colonization with Staphylococcus aureus associates with nasal polyps, toxin-sensitization and inflammation depending on aeroallergen-sensitization
Sabine Stegemann-Koniszewski (Magdeburg, Germany), Ilka Jorde, Azin Münchhoff, Anke Lux, Eva Lücke, Jens Schreiber

Association between peripheral blood eosinophils count and mortality in respiratory infections
Einat Fireman Klein (HAIFA, Israel), Walid Saliba, Marc Humbert, Yochai Adir

Susceptibility to SARS-CoV-2 infection in a T2-biased experimental asthma model
Ariana Younes (Marburg, Germany), Sara Völkel, Thilo Berger, Alexandra Kupke, Reinhard Geßner, Harald Renz, Chrysanthi Skevaki

Early antibiotic exposure and asthma prevalence up to early adulthood - a population-based cohort study
Ida Mogensen (Skarpsö, Stockholm, Sweden), Melissa Ismaili, Sandra Ekström, Maria Odling, Erik Melén, Anna Bergström, Inger Kull

The impact of an asthmatic Maternal Environment in Pregnancy (MEP) on mediators predisposing to development of early-life asthma.
Rana Abdallakareem (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
Aerosolization of cat dander using robotic vacuum cleaners
Laura Haya (Ottawa, Canada), Suzanne Kelly, William Yang

Respiratory and nasal symptoms during live-cat versus milled cat hair exposure
Suzanne Kelly (Ottawa (ON), Canada), Laura Haya, William Yang

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 Chciałowski

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

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

Characterising Regional Pulmonary Gas Transfer using Hyperpolarised 129-Xenon MRI in Fibrosing Interstitial Lung Disease
Mattias Kristensen (Aarhus, Denmark), Michael Vaeggemose, Nikolaj Boegh, Esben Hansen, Elisabeth Bendstrup, Christoffer Laustsen

Clinical evaluation of interstitial lung disease using 18F-FDG PET/CT
Masataka Matsumoto (Miki, Japan), Maho Morikawa, Shun Yamazaki, Saki Ito, Masahiro Katsurada, Yuko Kono, Kiyonobu Takatsuki, Yoshihiro Nishimura

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

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

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

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

Characterization of Ventilatory Patterns in Diverse Respiratory Disorders via X-ray Velocimetry
Anna Sebova (Bratislava, Slovakia), František Sándor, Michal Šentík, Andrej Klepanec, Dušan Giertl, Tamás Ötvös, Trishul Siddharthan, Jason Kirkness
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

Etiological profile of excavated pulmonary opacities: about 168 cases
asmaa rattal (Casablanca, Morocco), Nahid Zaghba, Hanane Benjelloun, Hanaa Harraz, Khadija Chaanoun, Najiba Yassine

Extraction of clinical data on major pulmonary diseases from unstructured radiologic reports using a large language model
Myeong Geun Choi (Seoul, Republic of Korea), Hyung Jun Park, Jin-Young Huh, Ganghee Chae

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 Kojima, Tomoaki Nakamura, Clara So, Kohhei Okafuji, Michiho Tanaka, Yutaka Tomishima, Torahiko Jinta, Naoki Nishimura, Touru Bando

Dyssynchrony of the interventricular septum in sarcoid Patients revealed by Cardiac-MRI
Sara Piciucchi (Forli, Italy), Elisa Gardini, Maria De Vita, Chiara Dallaseria, Roland Barbante, Lucia Crociani, Emanuela Giampalma, Venerino Poletti, Claudia Ravaglia

CT findings of IgG4-related thoracic disease: correlations with clinical and laboratory characteristics
Xueqing Liu (Beijing, China), Jiamin Zhou, Weihong Zhang, Wen Zhang

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, Raül 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-12 Session 12:30 - 14:00
Poster session: Asthma biomarkers in high and low type-2 phenotypes

Disease(s) : Airway diseases
Method(s) : Epidemiology Public health General respiratory patient care Pulmonary function testing Physiology Cell and molecular biology
Tag(s) : Translational
Chairs : Giuseppe Guida (ORBASSANO (TO), Italy), Laura Bergantini (siena, Italy)

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 Padvod

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

Extrapulmonary treatable traits in pregnant women with asthma
Esha Joshi (Sydney (NSW), Australia), Peter G Gibson, Vanessa M Mcdonald, Vanessa E Murphy
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

Eosinophilia in blood and sputum in patients with severe asthma: a preliminary study
Victor Guerra Ruiz (Barcelona, Spain), David Soler Segovia, Christian Romero Mesones, Iñigo Ojanguren Arranz, David Espejo Castellanos, Olga Luengo Sánchez, Paula Galvan Blasco, Lidia Muñoz-Montull, Ander Goitisoloyo Oyon, Xavier Muñoz Gall, Maria Jesús Cruz Carmona

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 Laugeredo, 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

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 Rosque, Doris Primrose, Magdalena Vocos, Gimena Donth Leger, Tania Florez Gonzalez, Gabriela Pelaez, Verónica Gutiérrez, Juan Manuel Filgueira

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, Yingying Zhang, Chengjian Lv, Jingwang Lin

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

Exhaled nitric oxide in asthma: relationship with blood eosinophils and total IgE
Eugerta Dilka (Tirana, Albania), Artan Simaku, Perlat Kapiszyzi

Peripheral airway resistance and reactance are associated to symptom severity in asthmatic subjects
Georgia Papapostolou (Lund, Sweden), Abir Nasr, Kerstin Romberg, Linnea Jarenbäck, Jaro Ankerst, Leif Bjerner, Ellen Tufvesson

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

Higher triglyceride-glucose index and lower type 2 inflammation are associated with increased risk of asthma exacerbations: a prospective cohort study
Ke Deng (chengu, China), Ji Wang, Si Yang Gao, Gang Wang

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 García Rivero, Beatriz Abascal Bolado, Carlos Antonio Amado Diago, Maria Mercedes Hernando Hernando, José Manuel Cifrian Martínez, Miguel Santibañez Margüello

FeNO variations and clinical response to biological drugs in severe asthma: A retrospective analysis
Claudio Candi (Naples, Italy), Dina Visca, Maria D'Amato, Cecilia Calabrese, Pasquale Ambrosino, Salvatore Fuschillo, Carmen Lombardi, Claudia Merola, Antonio Molino, Mauro Maniscalco

Lung function provides better insight into the sex-related differences among severe asthmatics than biomarkers.
Elisa Bentivegna (firenze, Italy), Martina Marinato, Greta Insalata, Alberto Bracciali, Alessia Caturitano, Rubina Giulia Girolamo, Chiara Allegrini, Chiara Marzi, Federico Lavorni, 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
Anemie Deiteren (Gent, Belgium), Nele Dervaux, Megan Hardin, Jason Maley, Naimish Patel, Selçuk Bas, Heribert W. Staedinger, 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-2 Session 12:30 - 14:00
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

Tag(s): Clinical

Chairs: Molly M Baldwin (Leicester, United Kingdom)

Benefits of ambulatory oxygen during physical activity in patients with COPD who desaturate only during exercise
Ingegerd Margaretta Emter (Uppsala, Sweden), Christer Janson, Kjell Larsson, Richard Casaburi, Milla Katajisto, Maria Nykvist, Andreas Palm, Annelie Behndig, Karin Wadell

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

Synchronization and Performance of Portable Oxygen Concentrators in Pulsed Oxygen Therapy
Marius Lebret (ROUEN, France), Roberto Martinez Alejos, Karima Joly, Maxime Patout, Emeline Fresnel

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

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, Immaculada Ortiz Molina, Borja Bonail Acuña, A Yosvani Méndez Alonso, Mar Elena, Sergio Tejero Garcia, Fernando Diaz Gutierrez, Esther Quintana Gallego, Miguel Angel Giráldez Sánchez

Regional lung ventilation distribution before and after airway clearance therapy in kartagener syndrome: a case report
Shirley Campos (Recife (PE), Brazil), José R. R. Silva, Karine D. Silva, Fernanda C. Alves, Elaine Aratújo, Larissa M. B. Silva, Andrezza L. Bezerra, Caio C. A. Morais, Emanuel F. F. Silva Júnior, Livia G. M. S. Mesquita, Rômulo A. C. Lins

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 Özsezen, Birce Sunman, Halime Büyüksahin, Ismail Guzelkas, Kubra Kulu, Naciye Vardar Yaglı, Ebru Yalçın, Deniz Dogru, Nural Kiper, Ügur Oezelik

Clinical experience in the management of patients with bronchiectasis and other pulmonary pathologies with bronchial hypersecretion.
Joanna Miłkowska-Dymanowska (Lódź, Poland), Aleksander Kania, Szczegielniak Jan, Milena Myszkiewicz, Paulina Katarzynska, Katarzyna Bogacz, Lauren Morin, Wojciech J. Piotrowski

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 Giacomodino, Stefania Monduzzi, Irene Piermarini, Chiara Pizziconi, Beatrice Ferrari, Renato Cutrera

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 Philippart

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
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 Roceto Ratti

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), Matias Otto-Yañez, Erico Segovia, Tamara Muñoz, Roberto Vera-Uribé, Vanessa Resqueti, Rodrigo Torres-Castro

Hypertension may increase neural respiratory drive at rest and at maximal voluntary ventilation
Ilíia Nadine Lima (Parnamirim, Brazil), Andressa Valley Cavalcante, Jessica Danielle Fonseca, Lucien Peroni Gualdi, Helen Rainara Cruz, João Pedro Silva, Saint-Clair Bernardes Neto

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

Non-Invasive Ventilation In Myotonic Dystrophy Type 1: Road To Compliance Predictive Models
Carola Rita Ferrari Aggradi (Milan, Italy), Andrea Lizio, Alice Zanolini, Giovanni Colacceco, 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), Alexandru Florian Crisan, Camelia Pescaru, Adelina Maritescu, Vlad Caruntu, 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 Kutucu, Oguz Abdullah Uyaroglu, Murat Ozdede, Mine Durusu Tanriover, 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 Zaban

**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 Dharmakumar, 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

The impact of locomotor respiratory coupling on ventilatory and thoraco-abdominal breathing patterns during running
Antonella LoMauro (Milano (MI), Italy), Christian Pozzi, 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, Talant Sooronbaev, 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 Ramírez, Inês De Mir Messa, Ana Díez Izquierdo, Olaia Sardon Prado, Erika Rezola Arcelus, Margarita Pérez Ruiz, Verónica Sanz Santiago, Marco Vinicius 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
Tai 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 elixacaftor/tezacaftor/ivacaftor therapy
Mariangela Retucci (Milan, Italy), Andrea Gramegna, 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 (Peligros, Spain), Bernardino Alcázar Navarrete, Rocío 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

PS-25 Session 12:30 - 14:00
Poster session: Recent advances in diagnostics and prognostics in respiratory infection
Disease(s): Airway diseases  Respiratory critical care
Method(s): General respiratory patient care  Respiratory intensive care  Cell and molecular biology  Imaging  Transplantation Epidemiology  Endoscopy and interventional pulmonology
Tag(s): Translational
Chairs: Markus Fally (Copenhagen, Denmark), Ana Motos Galera (Barcelona, Spain)
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
Jallouli Nour Lahbib (Ariana, Tunisia), 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 Zagha, Hanane Benjelloun, Khadija Chaanoun, Harraz Hanaa, 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, Wenxiang Yue, Yusheng Chen, Qiongyao Zhang

Combined use of respiratory multiplex PCR and procalcitonin to reduce antibiotic exposure in acute chest syndrome
Alexandre Elabbadi (Paris, France), Aline Santin, Keyvan Razazi, Charlotte Verdet, Francois Lionnet, Armand Mekontso Dessap, Alexandra Rousseau, Sophie Tuffet, Romane Lacoste-Badie, Guillame 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 Cheikhrouchou, Yacine Ouahchi, Meriem Mjid, Abir Hedhli, Besma Dhahei

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 Laakmann, Christian Seidemann, Norbert Suttrop, 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 Markela Antonogiannaki, Konstantina Dimakopoulou, Thomas Raptakis, Vasiliki Apollonatou, Maria Kallieri, Stefanos Lampadakis, Myrto Blizou, Antonis Krouskos, 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 Joao Luccio (linda a velha, Portugal), Eva Brysch, Ana Santos, Tiago Saldanha, Fernando Nogueira

Pathogen identification in endotracheal aspirate sample using metatranscriptomics
Nan Wu (Beijing, China), Zhenhao Wu, Ning Shen

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

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

A molecular method for bacterial infection monitoring in bronchiectasis by RNA quantification
Adam Bell (Edinburgh, United Kingdom), Daniela Alféres De Lima Headley, Migle Young, Marie-Jeanne Kempen, Chandani Hennayake, Sarah Williams-Macdonald, Rebecca Hull, Mateja Sborčia, Pawlima 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

Respiratory multiplex PCR could predict morbidity and mortality in solid organ transplant patients
Donna Rama Esendagli (Ankara, Turkey), Fidan Layijova, Emre Karakaya, Gaye Ulubay, Mehmet Haberal
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 Ursavas

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 Matushita

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-24 Poster session: Tuberculosis prevention
Session 12:30 - 14:00

A review of latent TB infection screening practices in south-west England: A need for consensus
Danielle Bruech (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

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), Naveen Dutt, Nishant Chauhan, Gopal Durgeshwar, Harirhan Iyer

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

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

Pyridoxine levels in healthy patients receiving isoniazid for latent tuberculosis infection
Sivan-Haia Perl (Tel aviv jaffa, Israel), Karm Amar, Benjamin Fox

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, Eleini Papadaki, Marija Hadji-Mitrova, Anna Tsakona, Anna Nikopoulou, Despoina Papakosta

The impact of the COVID-19 pandemic on the latent tuberculosis service in Southampton
Mila Bilsland (warwickshire, United Kingdom), Anindo Banerjee, Ben Marshall

Latent tuberculosis and biotherapy in chronic inflammatory diseases: value of the Quantiferon TB Gold Plus test in diagnosis
Fatima Zahra SOUID (Alger, Algeria), Imane Sakiri, Samia Mamouzi

Comparative analysis of LTBI treatment tolerance across age groups: a retrospective monocentric observational study
Irene Sini (Orani, Italy), Lucia Allavenna, Gloria Leonardi, Maurizio Ferrarese, Alice Claudia Repossi, Marco Mantero, Francesco Blasi, Luigi Ruffo Codecasa

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

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

Characteristics of patients with borderline T-SPOT.TB test and retest results
Ole Skouvig Pedersen (Aarhus C, Denmark), Sorens Sperling, Victor Naestholt Dahl, Andreas Flaes
### QuantiFERON-TB Gold Plus CLIA vs. T-SPOT.TB in patients with immunosuppressive conditions
Miguel Arias Guillen (Oviedo (Asturias), Spain), Sergio Palacios-Penedo, Marta Solís-García, Sabino Riestra-Menéndez, Marta María García-Clemente, Juan Nieves-Salceda, Iván Menéndez-Vallina, Gema Ramírez-Parras, Victor Asensi, Juan José Palacios-Gutierrez

### 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

### Tuberculosis 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

### 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 María García-Clemente, Ramón Fernández-Alvarez, Miguel Santibáñez-Margüello, Ruth De Francisco, Guillermo Muñiz-Albina, Patricio Escalante

### Integrated approach to lung health screening through mobile X-ray technology: experience from Odeska Oblast, Ukraine
Myroslava Germanovych (Kyiv, Ukraine), Liana Kovtunovych, Olena Pavlenko, Serhii Samchenko, Aleksey Bogdanov, Yana Terfeieva, Gunta Dravniece

### 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 Mafot, Rogério Rufino, Luciana Silva Rodrigues

---

**PS-6 Session**

**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)

**ADAM proteases control disease severity and systemic outcome in pneumonia**
Daniela Yildiz (Homburg, Germany)

**Interleukin-17 as a marker of progression of Chronic Obstructive Pulmonary Disease (COPD)**
Gulchekhra Tashmetova (Tashkent, Uzbekistan), Irina Liverko

**Rheumatological syndromes with Autoimmune features in post covid setting at 24 months: Reversible, persistent and accelerated traits**
Shital Vishnu Patil (Latur (Maharashtra), India), Sanidhya Tak, Wahab Abdul Mirza, Gurmaiher Singh Theti, Arpit Johar

**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

**Human SARS-CoV-2 challenge uncovers differences in local and systemic cellular responses associated with protection from and distinct infection states**
Kaylee Worlock (London, United Kingdom), Rik G.H. Lindeboom, Lisa Dratva, Masahiro Yoshida, David Scobie, Helen Wagstaffe, Laura Richardson, Anna Wilbrey-Clark, Josephine Barnes, Puja Mehta, Loren Kretschmer, Krzysztof Polanski, Jessica Allen-Hyttinen, Dinkithi Sumanaweera, Jacqueline M. Bocaccino, Waradon Sungnak, Rasa Elmentaite, Ni Huang, Lira Mamanova, Rakeshlal Kapuge, Andrew Catchpole, Rob Heyderman, Mahdad Noursadeghi, Benny Chain, Andreas Mayer, Kerstin B. Meyer, Christopher Chiu, Sarah A. Teichmann, Marko Z. Nikolić

**Genetic Diagnosis of Alpha-1 Antitrypsin Deficiency; core laboratory experience**
Lourdes Osaba (Derio, Spain), Edurne Entrena, Iratxe Calahorro, Noelia Rapun, Laura Grandoso

**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
Determinant microbiota and lauroylcarnitine mediated immune activation in checkpoint inhibitor pneumonitis
Wenyi Yu (Beijing, China), Yukun He, Ran Li, Zhancheng Gao

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

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

Identification of novel protein drug targets for respiratory diseases by integrating human plasma proteome with GWAS
Xinqian Ma (Beijing, China), Wentao Ni, Zhancheng Gao

A breathomics database to identify, contextualise and validate biomarkers of respiratory conditions
Lara Pocock (Cambridge, United Kingdom), Wisenave Arulvasan, Owen Birch, Shane Swann, Rosalia Hazel, Simon Coplowe, Ella Mead, Steven Levett, Elizabeth Lam, Patrick Gordon, Julia Greenwood, Billy Boyle, Max Allsworth, Elizabeth Crone

Physiomimetic lung extracellular matrix hydrogel enhances pulmonary recovery in a rat model of acute respiratory distress syndrome
Alicia Jurado (Barcelona, Spain), Anna Ulldemolins, Jorge Otero, Ramon Farré, Isaac Almendros

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, Tamara Paff, Karin M. De Winter-Groot, Sam Van Beuningen, Gimano D. Amatgailim, Jeffrey M. Beeke

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

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

“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

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

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, Åsa Maria Wheelock

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 Hilgendorff, Otmar Schmid, Ali Ö. Yildirim, Stefanie M. Hauck, Herbert B. Schiller, Claudia A. Staab-Weijnitz

**PS-31**

**Session 12:30 - 14:00**

**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), Chair to be confirmed

**Electromagnetic navigation bronchoscopy-guided transbronchial dye marking for localization of peripheral lung lesions.**
Ana Reyes Pardessus Otero (Barcelona, Spain), Albert Rafecas-Codern, Juan Carlos Trujillo Reyes, Elisabeth Martinez Tellez, Pere Serra Mitja, Jose Manuel Breñes Castro, Alejandro Libreros Niño, Georgina Planas Canovas, Marta Navarro Colom, Mar Vega Castosa, Alfons Torrego Fernandez, Virginia Pajares Ruiz
Lung nodules and bronchus sign classification: a retrospective study
Giulia Pastorelli (Bologna, Italy), Thomas Galasso, Martina Ferioli, Pasquale Fabio Leggieri, Gian Piero Bandelli, Marco Ferrari, Filippo Natali, Piero Candoli

CT-based radial endobronchial ultrasound image simulation of peripheral pulmonary lesions using deep learning
Jiayuan Sun (Shanghai, China), Chunxi Zhang, Yongzheng Zhou, Chuanqi Sun, Jilei Zhang, Junxiang Chen, Xiaoxuan Zheng, Ying Li, Xiaoyao Liu, Weiping Liu

Peripheral nodular lesions: Interventional experience with electromagnetic navigation and diagnostic correlation with radial radial EBUS.
Medardo Montenegro (Madrid, Spain), Maria Jose Bernabé Barrios, Beatriz Morales Chacón, Maria Asunción Nieto Barbero, Ilígio García Peñuela, Jorge García Aragon, Elena Fernandez M

Suitability of transbronchial biopsies using ultrathin bronchoscope (UTB) and 1.2 mm forceps for genotyping of peripheral pulmonary lesions (PPL)
Giuseppe La Mattina (Palermo, Italy), Michele Gallo, Giuseppe Arcoleo, Giuseppe Adamo, Nicola Scichilone

Cryobiopsy guided by electromagnetic navigation bronchoscopy for the diagnosis of peripheral lung nodules.
Albert Rafecas-Codorníu (Barcelona, Spain), Ana Pardessus Otero, Marta Navarro Colom, Mar Vega Castosa, Pere Serra Mitjà, Alfons Torrego Fernández, Virginia Pajares Ruiz

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
Changhwan Kim (Hwaseong-si, Republic of Korea), Jiwon Park

A randomised controlled study on SuperDimension versus fluoroscopy guided lung cryobiopsies.
Sissel Kronborg-White (Lystrup, Denmark), Stefan Harders, Søren Helbo, Line Madsen, Janne Møller, Venerino Poletti, Thomas Prior, Torben Rasmussen, Sara Tomassetti, Elisabeth Bendstrup

Differences in diagnostic performance between single-use and reusable cryoprobes for peripheral pulmonary lesions
Yuji Matsumoto (Tokyo, Japan), Toshiyuki Nakai, Hideaki Furuse, Takaaki Tsuchida, Tetsuya Watanabe, Yu Mikami

Diagnostic yield of Cone beam CT Navigation Bronchoscopy for Metastatic Lesions: A propensity matched case-control study
Marta Viscuso (Roma, Italy), Roel L.J. Verhoeven, Stephan E.P. Kops, Gerjon Hannink, Rocco Trisolini, Erik H.F.M. Van Der Heijden

Mobile 3-dimensional (3D) C-arm system-assisted transbronchial biopsy under conscious sedation.
Tadashi Sakaguchi (Ma Tsu Saka, Japan), Yoichi Nishii, Osamu Hataji

Changes in diagnostic patterns in patients with lung cancer following implementation of a shape-sensing robotic-assisted navigation bronchoscopy (SSRAB) platform.
Mounir Ghali (Grand Rapids, United States), Marcı Smigiel, Sam Wing, Adam Gaertner

First European experience with C-arm based tomography for the diagnosis of peripheral nodules
Martina Ferioli (Sermide (MN), Italy), Thomas Galasso, Giulia Pastorelli, Gian Piero Bandelli, Marco Ferrari, Filippo Natali, Pasquale Fabio Leggieri, Piero Candoli

Effectiveness of shields to minimize scattered radiation for bronchoscopist: a phantom study
Yun Seong Kim (Yangsan city (Kyeongsang Nam-do), Republic of Korea), Hee Yun Seol, Seong Hoon Yoon, Won Chul Shin, Suk-Woo Kang, Hosang Jeon, Dongwoon Kim, Yongkan Ki, Seong Jang Kim

Shape-Sensing Robotic-Assisted Bronchoscopy and Mobile Cone-Beam Computed Tomography for Pulmonary Nodules Less than 1 cm
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, Sebastián Fernandez-Bussye

Estimating the effect of lung cancer screening on interventional pulmonology procedures in Italy
Giuseppe Croce (Milan, Italy), Martina Ferioli, Giuseppe Dejan Lucido, Dejan Radovanovic, Lorenzo Corbetta, Piero Candoli, Pierachille Santus

Lung cancer screening: estimating the eligible population per single interventional pulmonology center in Italy
Martina Ferioli (Sermide (MN), Italy), Giuseppe Croce, Giuseppe Dejan Lucido, Dejan Radovanovic, Lorenzo Corbetta, Pierachille Santus, Piero Candoli

Shape-sensing Robotic-assisted Bronchoscopy (SS-RAB) in Sampling Peripheral Pulmonary Nodules: A Prospective, Multicenter Clinical Feasibility Study in China
Fangfang Xie (Shanghai, China), Quncheng Zhang, Chuanxing Mu, Qin Zhang, Huizhen Yang, Jingyu Mao, Jian’An Huang, Xiaoju Zhang, Jiayuan Sun
Identification of high-grade subtypes of lung adenocarcinoma by cryobiopsy as a postoperative prognostic predictor
Hiromu Keira (TOKYO, Japan), Yuji Matsumoto, Hideaki Furuse, Takaaki Tsuchida

12:45-13:45
INDUSTRY LUNCHTIME SYMPOSIUM  SEE PAGE 1

A2 (live-streamed)  Session  13:45 - 15:15
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
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)

13:45  Smoking among adolescents: facts on data
Stamatoula Tsikrika (Athens, Greece)

14:00  Cellular mechanisms and structural changes associated with cigarette smoking in asthma: impact of smoking on asthma inflammatory phenotypes
Guy Brusselle (Ghent, Belgium)

14:15  Smoking before and after COPD diagnosis
Ash Görek Dilektaşlı (Bursa, Turkey)

14:30  Impact of smoking on treatment response: reduced efficacy of inhaled corticosteroids and biologics?
Marco Idzko (Wien, Austria)

14:45  Discussion and Q&A

C5 (live-streamed)  Session  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
Athenasios G. Kaditis (Athens, Greece)

14:45  Discussion and Q&A
**C1 (live-streamed) Session** 13:45 - 15:15

**Hot topics: Imaging for precision treatment in obstructive lung diseases - ready for prime time?**

**Aims:** The role of imaging in patients with airway disease or interstitial lung disease has profoundly changed in recent years from a secondary tool supporting diagnosis to a primary tool for research and routine clinical practice. The aims of this Hot Topic Symposium 2024 are:

1. To highlight how novel imaging tools have changed diagnosis, management and prognosis in different fields of respiratory disease.
2. To understand the added value for prognosis and management when imaging tools are powered by AI.
3. To demonstrate opportunities to progress the role of imaging to prime time in precision management of people with respiratory diseases.
4. 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 Löffler-Ragg (Innsbruck, Austria), Ádám Domonkos Tánkó (Budapest, Hungary)

13:45  **Imaging in identification of the COPD comorbidome**  
Juan Pablo de Torres Tajes (Zizur Mayor, Spain)

14:00  **Patterns of 129Xe MRI respiratory dysfunction in people with obstructive lung diseases in NOVELTY**  
Helen Marshall (Sheffield (South Yorkshire), United Kingdom)

14:15  **Identify and scoring mucus plugs with chest CT: is there a place for AI**  
Arnaud Bourdin (Montpellier Cedex 5, France)

14:30  **Imaging for selection of COPD patients for lung volume reduction**  
Dirk-Jan Slebos (Groningen, Netherlands)

14:45  **Discussion and Q&A**

**C2 (live-streamed) Session** 13:45 - 14:30

**Guidelines session: Symptom management for adults with serious respiratory illness**

ERS Clinical Practice Guideline

**Aims:**
1. To discuss the newly published ERS guideline on symptom management for adults with serious respiratory illness
2. To highlight recommendations for management of breathlessness, fatigue and cough in adults with serious respiratory illness
3. 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  **Recommendations for symptom management in people with serious respiratory illness**  
Anne Holland ( Fitzroy North (VIC), Australia)

14:00  **Should opioids be used to reduce symptoms in people with serious respiratory illness?**  
Natasha Smallwood (Melbourne (VIC), Australia)

14:15  **Discussion and Q&A**

**C4 (live-streamed) Session** 13:45 - 15:15

**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)

14:00 Beyond forced vital capacity: prime time for patient-reported outcomes
Yet Hong Khor (Melbourne (VIC), Australia)

14:15 Choosing targetable pathogenetic pathways?
Manuela Funke-Chambour (Bern, Switzerland)

14:30 Clinical trials on acute exacerbations
Bruno Crestani (Paris, France)

14:45 Discussion and Q&A

C6 (live-streamed) Session 13:45 - 15:15
State of the art session: Thoracic oncology
Lung cancer diagnostics and treatment challenges

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)

13:45 The modern endoscopic approach for lung cancer
Niral Patel (La Jolla, United States)

14:00 Neoadjuvant treatment in stage IB/IIA. Who, when, why?
Jacques Cadranel (Paris Cedex 20, France)

14:15 Neoadjuvant chemo-/immunotherapy and subsequent surgical approach and outcomes: the surgeon’s view
Alessandro Brunelli (Leeds (West Yorkshire), United Kingdom)

14:30 State-of-the-art molecular diagnostics in lung cancer for the pulmonologist
Joanna Chorostowska-Wynimko (Warsaw, Poland)

14:45 Discussion and Q&A

C3 (live-streamed) Session 13:45 - 15:15
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)

13:45 End-of-life care in motor neuron disease
Speaker to be confirmed
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
</table>
| 14:00  | **End-of-life care in interstitial lung disease: worth treating exacerbation?**  
Claudia Valenzuela (Madrid, Spain) |
| 14:15  | **Long-term invasive mechanical ventilation in COPD and beyond: opportunities and limits**  
Anita Simonds (London, United Kingdom) |
| 14:30  | Discussion and Q&A |

**INDUSTRY SKILLS LAB WORKSHOP**  
SEE PAGE 1

### Strauss 3 (Studio) Session 14:00 - 14:50

**Skills lab: Performing, interpreting pulmonary function tests in children**

**Aims:** In this session speakers will show and comment videos on three pulmonary function tests (nasal NO, multiple breath washout and oscillometry). They will focus on important issues with the techniques and the measurements. How to interpret the result in paediatrics will be explained.

**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, Physician in Pulmonary Training, Physiologist, Respiratory physiotherapist, Respiratory therapist

**Chairs:** Nicole Beydon (Paris, France)

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>14:00</td>
<td><strong>Introduction</strong></td>
</tr>
</tbody>
</table>
| 14:05  | **Performing and interpreting nasal nitric oxide measurements**  
Emma Fettes (London, United Kingdom) |
| 14:20  | **Performing and interpreting multiple breath washout in children**  
Speaker to be confirmed |
| 14:35  | **Performing and interpreting oscillometry in children**  
Enrico Lombardi (Florence, Italy) |

### Strauss 1 Session 14:15 - 15:30

**Oral presentation: Best abstracts in behavioural science and health psychology**

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

**Method(s):** Public health  Pulmonary rehabilitation  Physiology  Epidemiology  Imaging

**Tag(s):** Clinical

**Chairs:** Andreas Von Leupoldt (Leuven, Belgium), Eleonora Volpato (Milano (MI), Italy)

<table>
<thead>
<tr>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Menthol for exertional dyspnoea relief in COPD</strong></td>
<td>Michele Schaeffer (Vancouver, Canada), Lucas Vanden Bossche, Kristin Verbeke, Wim Janssens, Dennis Jensen, Andreas Von Leupoldt, Daniel Langer</td>
</tr>
<tr>
<td><strong>Error processing in patients with asthma during dyspnea</strong></td>
<td>Ysys Denutte (Leuven, Belgium), Astrid Remue, Wim Janssens, Thierry Troosters, Andreas Von Leupoldt</td>
</tr>
<tr>
<td><strong>Neural processing of respiratory sensations in patients with dysfunctional breathing</strong></td>
<td>Lucas Vanden Bossche (Leuven, Belgium), Ysys Denutte, Kristy Lam, Katleen Bogaerts, Linda Stans, Wim Janssens, Thierry Troosters, Andreas Von Leupoldt</td>
</tr>
<tr>
<td><strong>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</strong></td>
<td>Ann Hutchinson (Hull (North Humberside), United Kingdom), Flavia Swan, Sarah Greenley, Tim Luckett, Kath Sartain, Miriam Johnson, Mark Pearson</td>
</tr>
<tr>
<td><strong>Effect of a personality-informed intervention on changes in quality of life in pulmonary rehabilitation</strong></td>
<td>Sébastien Kuss (Lodève, France), Nelly Héraud, Espérance Moine, Virginie Molinier, François Alexandre, Benjamin Eichenauer, Lorie Thomas, Laura Brandon, Perrine Sanchez, Brice Canada</td>
</tr>
</tbody>
</table>
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

Discussion and Q&A

A1 Session 14:15 - 15:30
Oral presentation: Inflammation and new insights into cystic fibrosis

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

Effectiveness of elaxacaftor/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

The role of periostin in cystic fibrosis and severity of disease in children with cystic fibrosis
Tuğba Şişmanlar Eyuboglu (Ankara, Turkey), Aleya Sever, Harun Mamac, Kubranur Unal, Leyla Ibrahimkanlı, Volkan Medeni

Does the highly effective modulator therapy influence airway inflammation in people with cystic fibrosis?
Irena Wojsyk-Banaszak (Poznań, Poland), Paulina Fanulska, Beata Narożna, Katarzyna Tąpolska-Jóźwiak, Zuzanna Stachowiak, Marta Osińska, Aleksandra Szczepankiewicz, Anna Wiesner, Aleksandra Szczepankiewicz

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

Ventilation distribution efficiency or lung clearance index: Does it matter?
Christine Sachs Olsen (Oslo, Norway), Michelle Shaw, Renee Jensen, Sanja Stanojevic, Felix A. Ratjen

Our new stethoscope LUS, with a new scoring system, in CF lung disease
Sule Selin Akyan Soydaş (ANKARA, Turkey), Satı Özkan Tabakçı, İşıl Bilgici, Meltem Kurtul Çakar, Gamze Akça Dinç, Bahar Ece Tokdemir, Hande Yetişgin, Çelebi Yıldırım, Gökçen Dilşa Tuğcu, Sanem Eryilmaz Polat, Dilber Ademhan Tural, Avni Merter Keçeci, Güzin Cinel

Does Lactobacillus Reuteri affect Spirometry Parameters in Cystic Fibrosis patients?
Seyyed Zalfa Modarresi (Tehran, Islamic Republic of Iran), Seyed Ahmad Tabatabai, Ghamartaj Khanbabaei, Saeed Sadr, Názanin Farihakhsh, Matin Pourghasem, Mahmoud Hajipour

Beta-adrenergic sweat test in challenging cystic fibrosis diagnosis.
Mairead Kelly-Aubert (Paris, France), Clémence Martin, Arnaud Schweitzer-Chaput, Manuel Nierert, Emmanuelle Girodon, Isabelle Sermet-Gaudelus, Thao Nguyen-Khoa

Discussion and Q&A

A3 Session 14:15 - 15:30
Oral presentation: Best European Respiratory Society research from a primary care perspective

Does the highly effective modulator therapy influence airway inflammation in people with cystic fibrosis?
Irena Wojsyk-Banaszak (Poznań, Poland), Paulina Fanulska, Beata Narożna, Katarzyna Tąpolska-Jóźwiak, Zuzanna Stachowiak, Marta Osińska, Aleksandra Szczepankiewicz, Anna Wiesner, Aleksandra Szczepankiewicz

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

Ventilation distribution efficiency or lung clearance index: Does it matter?
Christine Sachs Olsen (Oslo, Norway), Michelle Shaw, Renee Jensen, Sanja Stanojevic, Felix A. Ratjen

Our new stethoscope LUS, with a new scoring system, in CF lung disease
Sule Selin Akyan Soydaş (ANKARA, Turkey), Satı Özkan Tabakçı, İşıl Bilgici, Meltem Kurtul Çakar, Gamze Akça Dinç, Bahar Ece Tokdemir, Hande Yetişgin, Çelebi Yıldırım, Gökçen Dilşa Tuğcu, Sanem Eryilmaz Polat, Dilber Ademhan Tural, Avni Merter Keçeci, Güzin Cinel

Does Lactobacillus Reuteri affect Spirometry Parameters in Cystic Fibrosis patients?
Seyyed Zalfa Modarresi (Tehran, Islamic Republic of Iran), Seyed Ahmad Tabatabai, Ghamartaj Khanbabaei, Saeed Sadr, Názanin Farihakhsh, Matin Pourghasem, Mahmoud Hajipour

Beta-adrenergic sweat test in challenging cystic fibrosis diagnosis.
Mairead Kelly-Aubert (Paris, France), Clémence Martin, Arnaud Schweitzer-Chaput, Manuel Nierert, Emmanuelle Girodon, Isabelle Sermet-Gaudelus, Thao Nguyen-Khoa

Discussion and Q&A
Chairs: Hilary Pinnock (Edinburgh, United Kingdom), Chair to be confirmed

**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 Pavord, 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 Grill, 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 Mauricio Batalin Jr., Bruno De Mattos Freire, Gabriella Gomes De Carvalho, Diane Rezende Batista, Robson Prudente, Suzana Erico Tanni

**Reference values for blood eosinophil counts in a population-representative adult sample**
Reshed Abohalaka (Göteborg, Sweden), Selin Ercan, Lauri Lehtimäki, Salihia Selin Özyügyur Ermis, Daniil Lisik, Muwada Bashir Awad Bashir, Radhika Jadhav, Linda Ekerljung, Göran Wennergren, Jan Lötvall, 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 McLintock, 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, Maria Larsson, Zala Jevnikar, Pablo Forte Soto, 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 Sripara, Charishma Gottipulla, Cowrisree Rudraraju, Kripa Rasquinha, Prasanna Samuel

**Discussion and Q&A**

---

**ERS Congress 2024**

**DETAILED PROGRAMME**

**SUNDAY 08 SEPTEMBER, 2024**

**Strauss 2 Session 14:15 - 15:30**

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

**Method(s):** Cell and molecular biology, Epidemiology, Imaging

**Tag(s):** Translational

**Chairs:** Audrey Joannes (RENNES, France), Julien Guiot (Liège, Belgium)

**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, Frauke Pedersen, Werner Seeger, Friedrich Grimminger, Hossein-Ardeschir Ghofrani, Ralph Theo Schermuly, Natasha Sommer, Norbert Weissmann, Stefan Hadzic

**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, Chenqiu Suo, J. Patrick Pett, Anna Wilbrey-Clark, Emma Dann, Lira Mamanova, Laura Richardson, Krzysztof Polanski, Adam Pennycuick, Jessica Allen-Hytinnen, Iván Herzeg, Romina Arzilli, Robert Hynds, Vitor Teixeira, Muzlifah Haniffa, Kyungtae Lim, Dawei Sun, Emma Rawlins, Amanda Oliver, Paul Lyons, John Marioni, Christiana Ruhrberg, Zewen Tuong, Menna Cлатworthy, James Reading, Sam Janes, Sarah Teichmann, Kerstin Meyer, Marko Nikolić

**LSC - 2024 - The lung microvasculature promotes alveolar type 2 cell differentiation via secreted SPARC/L1**
Paolo Panza (Bad Nauheim, Germany), Till Lautenschläger, Gan Zhao, Mario Looso, Ondine Cleaver, Elisabeth Naschberger, Michael Stürzl, Andrew Vaughan, Didier Stainier
Intra-pulmonary adipocytes exert a profibrotic effect

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 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 airflow 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 Sadeleer, Matthias Brunner, Oliver Distler, Hubert S. Gabryś, Stephanie Tanadmi-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 Ruhrparwar, Fabio Ius, Nicolas Schwerk, Anke K. Bergmann, Sandra Von Hardenberg, Matthias Griese, Christina Rapp, Karen M. Olsson, Jan Fuge, Da-Hee Park, Marius M. Hoepner, Danny D. Jonigk, Lars Knudsen, Mark P. Kuehnel

Discussion and Q&A

Lehar 3 Session 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)

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
Athénais Boucly (London, United Kingdom), Shanshan Song, Merve Keles, Dennis Wang, Luke Howard, Marc Humbert, Olivier Sitbon, Allan Lawrie, Christopher Rhodes, Martin Wilkins

Exploring biomarkers in CTEPH: prognostic significance and post-P EA 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 Breulis-Bonnet, Sandra Martineau, James E Dowling, Min Lu, Parmita Saxena, T. Andrew Meteague, 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 Mademilov, Anna Titz, Shehab Anwer, Felix C Tanner, Lena Reimann, Talant Sooronbaev, 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

C2 (live-streamed) Session 14:30 - 15:15
Guidelines session: Advances in Short Regimens for Treating Drug-Susceptible and Drug-Resistant Tuberculosis
Insights from ATS, CDC, ERS guidelines
Aims: To provide a comprehensive understanding of the most up-to-date recommendations and insights from the American Thoracic Society (ATS), European Respiratory Society (ERS), and Centers for Disease Control and Prevention (CDC) guidelines for short-course regimens for DS and DR 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 Discussion and Q&A

Strauss 3 (Studio) Session 15:15 - 16:00
Congress theme session: Little humans and machines, getting the balance right in childhood asthma
Aims: This studio congress session will explore the integration of digital health technologies in the management of childhood asthma, including mobile apps, social robots, and tele-monitoring systems, and their potential consequences of these tools on the well-being of children and their relationship with their respiratory care professionals.
After active engagement in the session, participants will be able to:
1. Provide an overview of the digital health technologies existing for the management of childhood asthma.
2. Appreciate the evidence on the clinical effectiveness of digital health for the management of childhood asthma.

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
Symposium: Humans and machines, getting the balance right

Aims: The aim of the session is to present the development, the current role and the 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 The emergence of artificial intelligence in science
15:45 Challenges and potential solutions for artificial intelligence in medical care: a human centred approach? Speaker to be confirmed
16:00 Personalized medicine: seeking a harmonious interplay between humans and machines
16:15 Putting theory into practice: implementation of artificial intelligence in thoracic imaging Helmut Prosch (Wien, Austria)
16:30 Discussion and Q&A

Symposium: Lung function abnormalities, chronic obstructive lung disease and multimorbidity

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

Tag(s): Translational

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

Symposium: Future developments in respiratory failure

Aims: To describe the future developments in acute and chronic respiratory care and mechanical ventilation.
**Disease(s):** Respiratory critical care  
**Method(s):** General respiratory patient care, Physiology  
**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?**  
Lucas Fleuren (Amsterdam, Netherlands)

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**

---

**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 (Reykjavík, Iceland)

15:45  **Novel technologies in the diagnosis and management of sleep-disordered breathing**  
Ding Zou (Gothenburg, Sweden)

16:00  **Machine learning and data analytical approaches to improve the diagnosis and management of sleep-disordered breathing**  
Timo Leppänen (Kuopio, Finland)

16:15  **Translation of technological developments in diagnosis to personalised patient care**  
Sophia E. Schiza (Heraklion, Greece)

16:30  **Discussion and Q&A**

---

**15:30-16:15  INDUSTRY SKILLS LAB WORKSHOP**  
**C2 (live-streamed) Session 15:30 - 17:00**  
**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)

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>15:30</td>
<td>The best of the ERJ- sleep and ventilation</td>
</tr>
<tr>
<td></td>
<td>Patrick Lévy (Grenoble, France)</td>
</tr>
<tr>
<td>15:45</td>
<td>The best of the ERJ- cystic fibrosis and bronchiectasis</td>
</tr>
<tr>
<td></td>
<td>Marcus Mall (Berlin, Germany)</td>
</tr>
<tr>
<td>16:00</td>
<td>The best of the ERJ- translational sciences</td>
</tr>
<tr>
<td></td>
<td>Melanie Königshoff (Pittsburgh, United States)</td>
</tr>
<tr>
<td>16:15</td>
<td>The best of the ERJ- COPD and asthma</td>
</tr>
<tr>
<td></td>
<td>Jodie Simpson (New Lambton (NSW), Australia)</td>
</tr>
<tr>
<td>16:30</td>
<td>Discussion and Q&amp;A</td>
</tr>
</tbody>
</table>

### C4 (live-streamed) Session 15:30 - 17:00

**Clinical cases: Lungs on fire: interstitial lung diseases?**

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

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

<table>
<thead>
<tr>
<th>Time</th>
<th>Case Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>15:30</td>
<td>Case 1 incl. panel discussion and Q&amp;A - Submitter: J. Taylor (Australia)</td>
</tr>
<tr>
<td></td>
<td>Pilar Rivera Ortega (Manchester, United Kingdom)</td>
</tr>
<tr>
<td>15:52</td>
<td>Case 2 incl. panel discussion and Q&amp;A - Submitter: S. Ng (Singapore)</td>
</tr>
<tr>
<td></td>
<td>Vincent Cottin (Lyon, France)</td>
</tr>
<tr>
<td>16:14</td>
<td>Case 3 incl. panel discussion and Q&amp;A - Submitter: A. Kahnlund (Sweden)</td>
</tr>
<tr>
<td></td>
<td>Pilar Rivera Ortega (Manchester, United Kingdom)</td>
</tr>
<tr>
<td>16:36</td>
<td>Case 4 incl. panel discussion and Q&amp;A - Submitter: M. Rodil Riera (Spain)</td>
</tr>
<tr>
<td></td>
<td>Vincent Cottin (Lyon, France)</td>
</tr>
</tbody>
</table>

### C6 (live-streamed) Session 15:30 - 17:00

**Clinical cases: Lungs on fire: lung cancer?**

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

**Disease(s):** Thoracic oncology

**Tag(s):** Clinical

**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)
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>15:30</td>
<td><strong>Case 1 incl. panel discussion and Q&amp;A - Submitter: S. Chaurasia (India)</strong></td>
<td>Georgia Hardavella (Athens, Greece)</td>
<td></td>
</tr>
<tr>
<td>15:52</td>
<td><strong>Case 2 incl. panel discussion and Q&amp;A - Submitter: M. Ibrahim (Germany)</strong></td>
<td>Torsten Gernert Blum (Berlin, Germany)</td>
<td></td>
</tr>
<tr>
<td>16:14</td>
<td><strong>Case 3 incl. panel discussion and Q&amp;A - Submitter: D. Amorim (Portugal)</strong></td>
<td>Georgia Hardavella (Athens, Greece)</td>
<td></td>
</tr>
<tr>
<td>16:36</td>
<td><strong>Case 4 incl. panel discussion and Q&amp;A - Submitter: J. T. Kutty (India)</strong></td>
<td>Torsten Gernert Blum (Berlin, Germany)</td>
<td></td>
</tr>
</tbody>
</table>

**A1 Session 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 Marriuller (Echirolles, France)

- **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, Nicole 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 Tzani, 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

- **Exercise oscillatory ventilation (EOV) as a predictor of mortality in patients with amyloid cardiomyopathy**
  Robin Willixhofer (Vienna, Austria), Nikita Ermolaev, Christina Kronberger, Lena Weyer, René Rettl, Franz Duca, Christina Binder, Andreas Kammerlander, Johannes Kastner, Jutta Bergler-Klein, J. Alberto Neder, Roza Baddr-Eslam

- **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 Elbehairey (Alexandria, Egypt), Josephine H. Naish, Hossein Baghertash, Christopher A. Miller, Jörgen 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

**Discussion and Q&A**
Disease(s): Airway diseases

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

Tag(s): Translational

Chairs: Lena Uller (Lund, Sweden), Ian M. Adcock (London, United Kingdom)

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, Agnethe Moen, Hugo Ombredane, Ian Knowles, Jag Shur, Garth Rapeport, Susan Stolov

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 Inguanta

Discussion and Q&A

Strauss 1 Session 15:45 - 17:00

Oral presentation: Advancements in paediatric infectious respiratory health

Disease(s): Interstitial lung diseases

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

Chairs: Stefan Unger (Edinburgh (Edinburgh), United Kingdom), Nadine Freitag (Krefeld, Germany)

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, Catriona Graham, Phillip Rayson, Katherine Oatey, Clare Webster, Carol Dryden, Lana O'Hara, Steve Turner, Marianne Cunningham, Ahlam Darasi, Alastair Scott, Andrew Stodddart, Aziz Sheikh, Sandeep Ramalingam

Creating Child-BEAR-Net’s international paediatric bronchiectasis registry: an ERS CRC initiative
Laura Garriga Grimau (Barcelona, Spain), Laura Petrарca, Jeanette Boyd, Kostas Douros, Dafni Moriki, Elpiniki Kartsioumi, Bülent Karadag, Ela Erdem Eralp, Oleksandr Mazulov, Fabio Midulla, Keith Grimwood, Zena Powell, Antonio Moreno Galdo, Eva Polverino, Anne B Chang, Ahmad Kantar*, Stephanie Y Yerkovich* (*co-Senior) On Behalf Of Child-Bear-Net Panel And Registry Group
Paediatric Bronchiectasis, a UK-wide cohort study
Stefan Unger (Edinburgh (Edinburgh), United Kingdom), Priti Kenia, Manjith Narayanan, Siobhan Carr

Characteristics of airway cilia motility and ultrastructure linked to heterotaxy but not associated with primary ciliary dyskinesia
Laura Venditto (Verona, Italy), Mathieu Bottier, Ranjit Rai, Rhiannon Mcelellan, Georgina Bailey, Amelia Shoemark, Claire Hogg, Thomas Burgoyne

Consensus definition of sinonasal and otologic exacerbation in children with primary ciliary dyskinesia

Medical clown intervention shortens length of hospitalization in children with community acquired pneumonia.
Karina Yaacoby-Bianu (Haifa, Israel), Lana Khoury, Irit Shwartz, Meital Paz Tzruia, Shereen Shehadeh, Noam Meiri, Galit Livnat

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

Fever Duration Enhances Biomarker Sensitivity for Diagnosing Pediatric community acquired pneumonia
Ori Goldberg (Rehovot, Israel), Einat Shmueli, Yoel Levinsky, Yoav Vardi, Noga Yaniv, Ophir Bar-On, Hagit Levine, Meir Mei Zahav, Dario Prais, Patrick Stafler

Improvement of post-infectious bronchiolitis obliterans in children after methylprednisolone pulse therapy.
Bianca Dountje (Amsterdam, Netherlands), N.W. Rutjes, V. Land,van,der, C.L.H Brackel, M. Romijn, S. Hashimoto, J Schuppen,van, E.A.B. Buijs, S.W.J. Terheggen - Lagro

Discussion and Q&A

Strauss 2 Session 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

An adipopenumocartilagenous axis mediated by FABP4 hormone defines a target against obesity-induced airway disease
Mehmet Furkan Burak (Boston, United States), Gurol Tuncman, Ayse Ayci, Kashish Chetal, Elliot Israel, Ruslan Sadreyev, Gökhan S Hotamışlıgil

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

Sexually dimorphic effect of chronic alcohol drinking on dysregulating lung immunity by altering immunometabolism in human and mouse
Lenny Pommerolle (Rockville, United States), Lenny Pommerolle, Muhammad Arif, Madeline Behee, Abhishek Basu, Resat Cinar

Maternal cigarette smoke exposure in mice induces a Th2-biased immune response in offspring
Ali Dehghani (Utrecht, Netherlands), Jeroen Van Bergenhenegouwen, Johan Garsen, Gert Folkerts, Saskia Braber

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 Cheremkhina, Anja E. Luengen, Christian G. Cornelissen

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

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
Advanced in vitro models for pneumonia research
Karen Hoffmann (Germany), Cengiz Gökeri, Benedikt Obermayer-Wasserscheid, Andreas Hocke, Mirjana Kessler, Christian Zobel, Martin Wizenzrath, Geraldine Nouailles

Potential role of Let-7 family microRNAs in sex disparity in asthma
Carina Malmhäll (Göteborg, Sweden), Jenny Calvén, Julie Weidner, Kristina Johansson, Patricia Ramos-Ramirez, Emma Boberg, Linda Ekerljung, Roxana Mincheva, Bright Nwaru, Hannu Kankaanranta, Henric Olsson, Christopher Mccrae, Madeleine Rädinger

Discussion and Q&A

Lehar 3  Session  15:45 - 17:00
Oral presentation: Tuberculosis and non-tuberculous mycobacteria pulmonary diseases: challenges of diagnostics and treatment
Method(s): Cell and molecular biology  Public health  General respiratory patient care  Epidemiology
Chairs: Natalie Lorent (Leuven, Belgium), Chair to be confirmed

Analyzing Clinical and Microbiological Outcomes in Multiple Drug-Resistant Tuberculosis Patients: A Comparative Analysis of Shorter versus All-Oral Longer Bedaquiline-Containing Regimens
Rashmi Ratnam (Lucknow, India), RAS Kushwaha, Parul Jain, Amita Jain

Bedaquiline and delamanid resistance in high tuberculosis burden country
Nelly Ciobanu (Chisinau, Republic of Moldova), Doina Rusu, Alexandru Codreanu, Nadejda Turcanu, Dumitru Chesov, Anna Donica, Valeriu Crudu

Cough bio-aerosol sampling for TB GeneXpert through a repurposed tobacco Water Pipe Filter in pulmonary tuberculosis: a diagnostic accuracy study
Gabrielle Len Antonio (CEBU CITY (CAPITAL), Philippines), Wilmer Ciprian Bagol

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

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 Highparast-Bidgoli, Tahreem Chaudhry, Ibrahim Abubakar, Frank Cobelens

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

Predictive risk factors of treatment-refractory Mycobacterium avium complex lung disease
Takahiko Saito (Hamamatsu, Japan), Yuya Aono, Masato Kono, Takuma Sugiura, Misato Higasa, Mineo Katsumata, Hideki Miwa, Yoshihiro Miki, Dai Hashimoto

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 Furumachi, Masashi Ito, Kazuhiko Hanada, Tatsuya Kodama, Akio Aono, Satoshi Mitarai, Kozo Morimoto

Discussion and Q&A

17:30-19:00
INDUSTRY EVENING MINI SYMPOSIUM  SEE PAGE 1

17:30-19:00
INDUSTRY EVENING SYMPOSIUM  SEE PAGE 1
Skills workshop: SW7 Interpretation of cardiopulmonary exercise tests
Tips and pitfalls in evaluating the pulmonary aspects of cardiopulmonary exercise testing

**Aims:** 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)

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
<th>Speaker(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:00</td>
<td>Tools to assess breathlessness</td>
<td>Hayley Lewthwaite (Merewether, Australia)</td>
</tr>
<tr>
<td>08:00</td>
<td>Breathing pattern and dynamic hyperinflation interpretation</td>
<td>James H. Hull (London, United Kingdom)</td>
</tr>
<tr>
<td>08:00</td>
<td>Ventilatory efficiency and gas exchange</td>
<td>J. Alberto Neder (Kingston (ON), Canada)</td>
</tr>
<tr>
<td>08:00</td>
<td>Dynamic hyperinflation and other respiratory measurements: live DEMO</td>
<td>William Stringer (Long Beach, United States), Mathieu Marillier (Echirolles, France)</td>
</tr>
</tbody>
</table>

Skills workshop: SW8 Interpretation of cardiopulmonary exercise tests
Tips and pitfalls in evaluating the pulmonary aspects of cardiopulmonary exercise testing

**Aims:** 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 in the correct assessment of breathlessness and dynamic hyperinflation.

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

**Chairs:** Afroditi Boutou (Thessaloniki, Greece)

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
<th>Speaker(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:40</td>
<td>Tools to assess breathlessness</td>
<td>Michele Schaeffer (Vancouver, Canada)</td>
</tr>
<tr>
<td>10:40</td>
<td>Breathing pattern and dynamic hyperinflation interpretation</td>
<td>Hayley Lewthwaite (Merewether, Australia)</td>
</tr>
<tr>
<td>10:40</td>
<td>Ventilatory efficiency and gas exchange</td>
<td>William Stringer (Long Beach, United States)</td>
</tr>
<tr>
<td>10:40</td>
<td>Dynamic hyperinflation and other respiratory measurements – live DEMO</td>
<td>Paolo Palange (Rome, Italy), Afroditi Boutou (Thessaloniki, Greece)</td>
</tr>
</tbody>
</table>

Skills workshop: SW9 Interpretation of cardiopulmonary exercise tests
Tips and pitfalls in evaluating the pulmonary aspects of cardiopulmonary exercise testing

**Aims:** 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)

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
<th>Speaker(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>14:30</td>
<td>Tools to assess breathlessness</td>
<td>J. Alberto Neder (Kingston (ON), Canada)</td>
</tr>
<tr>
<td>14:30</td>
<td>Breathing pattern and dynamic hyperinflation interpretation</td>
<td>Paolo Palange (Rome, Italy)</td>
</tr>
</tbody>
</table>
Skills workshop: SW10 Practicalities of spirometry and whole-body plethysmography

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)

08:00 Performing spirometry
    Vicky Moore (Coventry, United Kingdom)

08:00 Standardised static lung volume measurement using whole-body plethysmography
    Aisling McGowan (Dublin 15, Ireland)

08:00 Measurement of airway resistance and resistance volume loops using whole-body plethysmography
    Mart N. van der Plas (Monster, Netherlands)

08:00 Reporting and interpretation of case studies
    Gregory King (Sydney (NSW), Australia)

Skills workshop: SW11 Practicalities of spirometry & whole-body plethysmography

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)
14:30  Performing Spirometry  
Monika Franczuk (Warszawa, Poland)

14:30  Standardised static lung volume measurement using whole body plethysmography  
Kevin De Soomer (Edegem, Belgium)

14:30  Measurement of airway resistance and resistance volume loops using whole body plethysmography  
Frans H.C. De Jongh (Enschede, Netherlands)

14:30  Reporting and interpretation of case studies  
Karl Sylvester (Cambridge (Cambridgeshire), United Kingdom)

07:30-08:30  INDUSTRY EARLY MORNING SYMPOSIUM
SEE PAGE 1

08:00-08:45  INDUSTRY SKILLS LAB WORKSHOP
SEE PAGE 1

PS-28  Session 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)

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

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 Cameli, Elena Bargagli

Lymphocyte profile and expression of PD-1 and Tim3 on T cells differentiate sarcoidosis from acute inflammation.
Agata Raniszewska (Warszawa, Poland), Elżbieta Rutkowska, Iwona Kwiecien, Rafal Sokolowski, Piotr Miklusz, Karina Jahnz-Rozyk, Piotr Rzepecki

The predictive effects of adiponectin and irisin hormones on diagnosis and clinical involvement of sarcoidosis
Huseyin Kaya (Kocaeli, Turkey), Hasim Boyaci, Serap Argun Baris, Ilknur Basyigit, Ozgur Doga Oozsy, Hale Maral Kur

Roflumilast in sarcoidosis: A retrospective analysis of 51 sarcoidosis patients.
Martin Feineis (Freiburg, Germany), Charlott Terschluse, Louis Jouanjan, Björn Frye, Dajana Stolz

The mRNA expression of the TGF-beta signalling pathway in Pulmonary Sarcoidosis
Eva Komínková (Olomouc, Czech Republic), Zdenka Navrátilová, Martin Petřek

Metabolic regulation of granulomatous inflammation by tryptophan catabolism
Marcela Oliveira (Braga, Portugal), Relber A. Gonçalves, Diana Santos-Ribeiro, Oksana Sokhatska, Chiara Suvieri, Luis Delgado, António Morais, Claudia Volpi, Hélder Novais E Bastos, Cristina Cunha, Agostinho Carvalho

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.
Theodoros Charitos (Warszawa, Poland), Zbigniew Zaslona, Barbara Dynek, Tomasz Rejczak, Kamil Lisecki, Adam Gołbiowski, Piotr Iwanowski, Marta Dudek, Samson Fung

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 Tercelj
Coexistence of Sarcoidosis and Hypersensitivity Pneumonitis: Diagnostic and Treatment Specificities
Matilde Ferreira De Almeida, Patrícia Caetano Mota, Natália Melo, Hélédd Novais Bastos, André Terras, David Coelho, Conceição Souto Moura, Susana Guimarães, André Carvalho, António Morais

Reduced CTLA-4 expression in Th17 cells or Tregs induces T cell activation: implications for sarcoidosis
Jelle Rindert Miedema (Rotterdam, Netherlands), Lieke De Jong, Ingrid Bergen, Jennifer Van Hulst, Rudi Hendriks, Odilia Corneth

Sarcoidosis meets COVID-19: do they share common pathogenetic mechanisms?
Michele Ciresi (Padova, Italy), Daniele Previtero, Giusi L’Abbate, Elisabetta Cocconcelli, India Sofia Dalla Rosa, Nicol Bernardinello, Roberta Polverosi, Elisabetta Balextero, Paolo Spagnolo

Circulating exosomes revealing dysregulated pathways in pulmonary sarcoidosis: first results of PULSAR-CLIMB study
Anne-Noëlle Frïx (Liege, Belgium), Monique Henket, Latifa Idoufkir, Fanny Gester, Renaud Louis, Njock Makon-Sébastien, Julien Guiot

The diagnostic role of transbronchial lung cryobiopsy in vasculitis with pulmonary involvement
Simone Petrarulo (Padova, Italy), Teresa Calari, Stefano Oldani, Arianna Johanna De Grauw, Sabrina Martinello, Fabio Sultani, Alessandra Dubini, Sara Piciucchi, Claudia Ravaglia, Venerino Poletti

Predictive value of Vanin-1 levels for sarcoidosis diagnosis and clinical stage
Ilknur Basyigit (Kocaeli, Turkey), Gozde Oksuzler, Hüseyin Baris, Ozgur Doga Ozsoy, Hasim Boyaci

Exploring fatigue in patients with sarcoidosis
Nicol Bernardinello (Trecenta (RO), Italy), India Sofia Dalla Rosa, Petra Meneghin, Davide Garbin, Gioele Castelli, Elisabetta Cocconcelli, Elisabetta Balextero, Paolo Spagnolo

Biomarkers of Corticosteroid-Resistant Lung Sarcoidosis
Kostiantyn Shvets (Ivano-Frankivsk, Ukraine), Mykola Ostrovskyy, Varunkiv Oleksandr, Iryna Savelikhina, Mariana Kulyunych-Miskiv, Galyna Korzh, Nadiya Korzh, Alla Zaban

HLA genes and sarcoidosis across three populations: Greeks, Czechs, and Koreans
Martin Petřek (Olomouc, Czech Republic), Aggeliki Rapti, Jin Woo Song, Martina Doubkova, Adam Strnad, Jana Petrkova, Katerina Sikorova, Demosthenes Bouros

Sarcoidosis shares susceptibility loci with autoimmune disorders and cancers
Karina Patasova (Stockholm, Sweden), Olga Chuquimia, Susanna Kullberg, Leonid Padyukov, Natalia V. Rivera
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 Harvengt, Elisa Docampo Martinez, Adeline Jacquinet, Ammar El Kheir, Anne-Lise Poirrier, Clara Pauly, Françoise Guissard, Catherine Moermans, Doriane Calmès, Renaud Louis, Noëmie Bricmont

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 Ağırtıcı, Esin Gizem Olgun, Mahmut Turğut, Semra Küçük Öztürk, Gizem Özcan, Nazan Çobanoğlu

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

Bronchoalveolar Eosinophilia in children with protracted bacterial bronchitis

Vasilis Grammeniatis (IOANNINA, Greece), Marios Papadopoulos, Dafni Moriki, Priftis Kostas, Douros Kostas

Inflammatory parameters and innate lymphoid cells in childhood interstitial lung diseases: a prospective study

Mina Hizal (Ankara, Turkey), Sevil Oskay Halaçlı, Halime Nayır-Büyükşahin, Büşra Çiftçier, Kevser Yılmaz, Nagehan Emirahıoglu Ordukaya, Salihà Esenboğa, Deniz Çağdaş Ayvaz, Ebru Yalcın, Deniz Doğru, Uğur Özçelik, Nural Kiper, Feyzi İllhan Tezcan

Rare ABCA3 Gene Mutation: Clinical Presentation and Treatment in Infancy and Childhood

Zeliha Basak Polat (İstanbul, Turkey), Gülay Bilgin, Sinem Can Oksay, Deniz Mavi Tortop, Zeynep Reyhan Onay, Saniye Girit

PS-12 Session

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


Physical activity in adult patients with asthma: trends over time (2014-2020)

Zichen Ji (Madrid, Spain), Javier De Miguel-Díez, Ana López-De-Andrés, José Javier Zamorano-León, Francisco José Caballero-Segura, Stephany Ivonne Briones-Alvarado, Juan Pablo Utrilla-Marchand, Rodrigo Jiménez-Garcia

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), Biljana Cvetkovski, Bandana Saini, Sinihsa Bosnie-Anticevich

Comparing the PUMA and CAPTURE questionnaires for screening for COPD in resource constrained settings

Lancelot Pinto (Mumbai, India), Soumya Kanti Ghatak, Sanjthana Muneeswaran, Payal Singh, Trupti Mane

Choosing the Right Test: Five Sit-to-Stand vs. Four-Meter Gait Speed for Identifying COPD Patients

Kholoud Kchaou (Ariana, Tunisia), Sirine Jamli, Nadia Ben Lazreg, Chaima Brik, Saloua Ben Kamsa Jameleddine

Exploring the relationship between patient-reported outcomes and early lung involvement in rheumatoid arthritis: A prospective study


The Impact of Mediterranean Diet on Survival in Chronic Obstructive Pulmonary Disease

Jiun-Long Wang (Taichung, Taiwan), Yi-Ting Tsai, Chia-Lin Lee

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
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, Madhiha Ahroud, Vitaliano Nicola Quaranta, Ilaria Iorillo, Francesca Montagnolo, Maria Francesca Grimaldi, Agnese Caringella, Giovanna Elisiana Carpagnano

Gut metabolic profile and its clinical correlation in different stages of COPD
Yan Yu (Beijing, China), Yu Xie, Yukun He, Yali Zheng, Zhancheng Gao

Relationship between the Severe Asthma Questionnaire and the EQ-5D-5L for health-related quality of life in the SHARP CRC registry

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 Dhahri

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-Farias

Exploring 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

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

GOLD classification pitfalls: beyond mMRC and CAT?
Alessandro Capuano (Bari, Italy), Eustachio Ricciardi, Sara Piccinno, Giovanni Sanasi, Marianna Cicchetti, Maria Francesca Grimaldi, Maria Rosaria Vulpi, Carla Santomasi, Fabrizio Diaferia, Andrea Portacci, Anna Violante, Ruben Infantino, Giovanna Elisiana Carpagnano

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

Exploring Disease Acceptance Among COPD Patients: A Comprehensive Assessment at Agadir Hospital
sofia Farhat (agadir, Morocco), Hanane Ikrou, Nada Boutbagha, Selma Abdedla, Hind Serhane

What is the contribution of comorbid hypertension to the course of COPD?
Olha Boiko (Dnipro, Ukraine), Victoriya Rodionova

Health-related quality of life and asthma control in patients receiving or not receiving biologic treatments for severe asthma. Data from SHARP CRC

Poster session: Exploring fundamental pathophysiological aspects of sleep-disordered breathing

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 Baillieul (Grenoble CEDEX 9, France)

Gender differences in the metabolome of symptomatic obstructive sleep apnoea patients
Alan Altatra (Tartu, Estonia), Ott Kiens, Viktoria Ivanova, Egon Taalberg, Ketlin Veevääli, Ragne Tammi, Triin Laurits, Martin Juss, Tuuliki Hion, Roman Pihlakas, Kalle Kilk, Ursel Soomets
<table>
<thead>
<tr>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multidimensional phenotyping to distinguish among distinct obstructive sleep apnea, chronic obstructive pulmonary disease, and overlap syndrome phenotypes</td>
<td>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</td>
</tr>
<tr>
<td>Molecular insights into hypoxic burden physiopathology in OSA: a proteomic perspective</td>
<td>Lucia Pinilla (Adelaide, Australia), Krish Dodani, Iván Benítez, Neda Esmæli, Esther Gracia-Lavedán, Gerard Torres, Olga Minguez, Dolores Martinez, Miguel Ángel Martínez-Garcia, Jorge Abad, Maria José Masdeu, Olga Mediano, Carmen Muñoz, Valentin Cabrilla, Joaquín Durán-Cantolla, Mercedes Mayos, Ramón Coloma, Josep MaríaMontserrat, Mónica De La Peña, Irene Cano-Pumarega, Ferran Barbé, Ali Azarbarzini, Manuel Sánchez-De-La-Torre</td>
</tr>
<tr>
<td>The damage mechanism of intermittent hypoxia in disrupting the circadian rhythm and metabolism of idiopathic pulmonary interstitial fibrosis.</td>
<td>Dan Liu (Tianjin, China), Jing Feng</td>
</tr>
<tr>
<td>Novel ex vivo model for studying the neuronal synaptic response in precisely cut brain tissue slices subjected to controlled hypoxic patterns</td>
<td>Alicia Jurado (Barcelona, Spain), Anna Pérez-González, Ramon Farré, Xavier Gasull, Isaac Almendros</td>
</tr>
<tr>
<td>Post stroke OSA: the effect of intermittent hypoxia on cerebrovascular recovery.</td>
<td>Bayan EL amine (GRENOBLE, France), Benjamin Lemasson, Florence Fauvelle, Anne Briançon* Marjollet, Claire* Rome</td>
</tr>
<tr>
<td>Prognostic value of miRNAs in obstructive sleep apnea and metastatic colorectal cancer patients</td>
<td>Piera Soccio (Foggia (FG), Italy), Giorgia Moriondo, Pasquale Tondo, Giulia Scioscia, Roberto Sabato, Terence Campanino, Giuseppe Mansueto, Francesco Traversa, Simone Sorangolo, Maria Pia Foschino Barbaro, Donato Lacedonia</td>
</tr>
<tr>
<td>INFLUENCE OF OBSTUCTIVE SLEEP APNEA ON OXIDATIVE STRESS IN PREGNANCY</td>
<td>Laura Cànaves (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 García, Jose Peña Zarza, Concepcion Piñas Zebrian, Susana García Fernandez, Alberto Alonso Fernandez</td>
</tr>
<tr>
<td>The effect of continuous positive airway pressure (CPAP) therapy on serum caspase-3 level in patients with obstructive sleep apnea (OSA)</td>
<td>Pınar Yıldız Gülhan (Kırıkkale, Turkey), Mustafa Kemal Kaypak, Ali Nihat Annakaya, Fatih Davran, Uğur Yüregir</td>
</tr>
<tr>
<td>Raman analysis of saliva from OSA patients: biophotonic-based point-of-care for disease monitoring and management.</td>
<td>Elvia Giovanna Battaglia (Milano (MI), Italy), Elena Compalati, Luana Forleo, Alice Gualerzi, Paolo Banfi, Valentina Poletti, Marzia Bedoni</td>
</tr>
<tr>
<td>Correlation of mean platelet volume (MPV) and red blood cell distribution width (RDW) with obstructive sleep apnea syndrome (OSAS) severity</td>
<td>Kostas Papavassiliou (Athens, Greece), Kyriaki Cholidou, Nektarios Anagnostopoulos, Vassiliki Gogou, Agranemnnonas Bakakos, Zoi Sotropoulou, Stavrina Zanelli, Anmita Papasarandou, Christina Anagnostopoulou, Effie Ferdianaki, Andriana Papaioanou, Petros Bakakos</td>
</tr>
<tr>
<td>Gender differences between OSA severity regarding pectoralis muscle area and indices</td>
<td>Burcu Arpinar Yigitbas (Istanbul, Turkey), Nilufer Tekin, Sacit Icten, Irem Uzun, Esra Yazan</td>
</tr>
<tr>
<td>Do symptoms and comorbidities predict OSA severity in hypertension patients?</td>
<td>Sofia R. Lopes (Viseu, Portugal), Mafalda Van Zeller, Helena Silva, Margarida Fonseca, Rui Ribeiro, Diana Ferrão, Manuel Capelas, Luís Silva, Marta Drummond</td>
</tr>
<tr>
<td>Prevalence and characteristics of patients with obstructive sleep apnea (OSA) and Chronic Obstructive Pulmonary Disease (COPD): “Overlap Syndrome”</td>
<td>Michail Fanaridis (Heraklion, Greece), Izolde Bouloukaki, Georgios Stathakis, Nikolaos Tzanakis, Violeta Moniaki, Eleni Mavroudi, Ioanna Tsigliani, Sophia Schiza</td>
</tr>
<tr>
<td>Sleep abnormalities in patients with overweight/obesity: not only an OSAS issue</td>
<td>Chiara Sanna (Sassari, Italy), Chiara Bertonazzi, Andrea Deledda, Lorenzo Puglia, Monica Puligheddu, Fernanada Velluzzi, Stefania Redolfi</td>
</tr>
<tr>
<td>Cancer in the Long-Term Care of Patients with Obstructive Sleep Apnea: a closer look</td>
<td>Inês Ferreira Carvalho (Porto, Portugal), Pedro Magalhães Ferreira, Marta Drummond</td>
</tr>
</tbody>
</table>
Sleep Bruxism: Dual Role in Obstructive Sleep Apnoea Syndrome
EMMANOUIL VERYKAKIS (Athens, Greece), Ilia Roussou, Eirini Kokiou, Stylianos Loukides, Vasileios Parascou, Georgia Kontonasiou, Aikaterini Vlami

Feasibility of an acoustic diagnostic device for the diagnosis of obstructive sleep apnoea in patients with intellectual disabilities.
Lachlan Stranks (London, United Kingdom), Mohammad Abdul Salam, David O’Regan, Joerg Steier, Alanna Hare

PS-30 Session 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)

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 Büyükşahin, Ismail Guzelkas, Didem Alboga, Meltem Akgul Erdal, Havva Ipek Demir, Raziey Atan, Burcu Capraz Yavuz, Burak Ardıçlı, Idil Rana Uzer, Ozlem Teksam, Nagehan Emiralioglu, Ebru Yalcın, Deniz Doğru, Uğur Özçelik, Nural Kiper

Management of plastic bronchitis with Topical Tissue-type Plasminogen Activator instillation in children
Amal Saidani (Bizerte, Tunisia), Sabrine Louhaichi, Besma Hamdi, Racha Smooui, Amira Dridi, Jamel Ammar, Agnes Hamzaoui

Endobronchial foreign bodies in pediatric work – history and clinical signs suggestive of diagnosis
Corina Conica (Chisinau, Republic of Moldova), Victor Rascov, Diana Rotaru-Cojocar, Svetlana Sciuca

Treatment of pediatric bronchial Dieulafoy’s lesion by ethylene vinyl alcohol copolymer embolization
Xinzhu Liu (Chongqing, China), Shuliang Guo, Wei He, Qubei Li, Qi Jian Yi

Artificial Intelligence for automatic and objective assessment of competencies in flexible bronchoscopy.
Kristoffer Mazanti Cold (Copenhagen, Denmark), Kaladerhan Aghbontaen, Anne Orholm Nielsen, Christian Skjoldvang Andersen, Suveer Singh, Lars Konge

Mastery learning guided by artificial intelligence is superior in flexible bronchoscopy training: a randomized controlled trial.
Kristoffer Mazanti Cold (Copenhagen, Denmark), Wei Wei, Kaladerhan Aghbontaen, Suveer Singh, Lars Konge

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 Sørensen, Anders Bo Nielsen, Tina Dalager, Karen Søgaard

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, Yasuhiro 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 Winantea, 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 Winantea, Stefanie Werther, Lutz Freitag, Kaid Darwiche

Thulium laser therapy: A new tool for central airway obstruction, with applicability near metal stents
Kaumudi Devi (Trivandrum, 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.
Efthalia Gkioxari (Athens, Greece), Konstantina Papalla, Athanasios Zotos, Hra Michailidou, Vasiliki Petta, Georgia Hardavella, Maria Salomidou, Georgios Politis, Danai Bisirtzoglou

Development and evaluation of a tele-proctoring program in interventional bronchoscopy
Francesca Conway (London, United Kingdom), Anand Tana, James Tonkin, Cielito Caneja, Philip Johnson, Pallav Shah

The role of single use bronchoscopes in central airway obstruction management - an open label randomised controlled trial.
Filip Popović (Zagreb, Croatia), Goran Glodić, Denis Baričević, Dražena Srdić, Marta Koršić, Miroslav Samožija, Sonja Badovinac

**PS-3 Session**

**Poster session: User perception, acceptance, utility and adherence in the digital transformation of respiratory care**

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

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

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

**Chairs:** Andrea Aliverti (Milan, Italy), Ireti Adejumo (Nottingham (Nottinghamshire), United Kingdom)

- Challenges 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
  Niall Murray (Galway, Ireland), Tara Byrne, 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 Kokoçturk

- 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 (Kagithane/Istanbul, Turkey), Ali Vefa Öztürk, Rahşan Çevik Akyıl

Implementation and results of a dedicated telemedicine program (TeleTrachea) for patients with tracheal diseases.
Pedro Ciaralo (São Paulo, Brazil), Paulo Cardoso, Helio Minamoto, Benoit Bibas, Carlos Carvalho, Paulo Pego-Fernandes

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 Ōaida

PS-25 08:00 - 09:30
Poster session: Predictive and prognostic factors in lung cancer

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

Exposure to wood smoke: a risk factor for bronchogenic carcinoma in women living in rural areas
Zineb Benmerzouq (Casablanca, Morocco), Nahid Zagha, Hanane Benjelloun, Khadija Chaanoun, Hanaa Harraz, Najiba Yassine

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

The impact of visceral pleural invasion on survival in non-small cell lung cancer
Ezgi Gürel Akan (Ankara, Turkey), Pınar Akın Kabalak, Suna Kavurgaci, Tüba İnal Cengiz, Funda Demirag, Hakan Nomenoğlu, Hasan İbiş, Ülkü Yılmaz

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 Frøstrup Hansen, Signe Timm, Morten Borg, Ole Hilberg

Clinicopathological features and prognostic factors in patients with pulmonary pleomorphic carcinoma
Baris Demirkol (İstanbul, Turkey), Celal Satici, Sule Gul, Ramazan Eren, Kursad Nuri Baydili, Mustafa Cırtuk, Halide Nur Uner, Erdogan Çetinkaya

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

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

Endocrine toxicity as an independent predictor of response to immune checkpoint inhibitors in lung cancer patients
Andriani Charpidou (Athens, Greece), Emmanouil Panagiotou, Sofia Ngouraki, Ioannis A. Vathiotis, Maria Effrosyni Livanou, Athanasios Trimp, Konstantinos Syrigos, Meltemi Peppa

Effects of the anesthesia on the overall survival and recurrence of lung cancer: meta-analysis
Omar Alomari (İstanbul, Turkey), Muhammed Edib Mokresh, Ali Emir Hamitoglu, Erdoğan Çetinkaya

The impact of clinical features on prognosis in advanced-stage lung adenocarcinoma
Ahmet Melih Sahin (Ankara, Turkey), Ahmet Melih Sahin, Elif Şen
Combined surveillance of body compositions with prognostic nutritional index improved mortality prediction in advanced NSCLC: a retrospective longitudinal cohort study
Xiaoxuan Yao (Guangzhou, China), 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 Chouadai, 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), Naveen Bhatraju, 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, María Belén Callejón Leblic, Tamara Garcia 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

Comprehensive review of interstitial lung disease (ILD) specialised service provision and workforce in England
Marium Naqvi (London, United Kingdom), Rosie Boorsma, Joshua Burrough, Laura Fabbri, Janine Hood, Lyndsey Langlands, Alexandra Lawrence, Katleen Leceuvre, Jenny Lynch-Wilson, Carmel McInerney, Kerry Mills, Sarah Mulholland, Geeta 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 Peyremann-Bridevaux, Milo Alan Punah

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, Teresa Kemp, Jonathan Lee, Sheree Smith, Tracy Smith

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, Tomomasa 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, Tomomasa 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 Windisch, 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 Hérengt (Dieulefit, France), Marylise Ginoux, Nathalie Porcel, Daniel Veale

Predictors of an acute COPD exacerbation (the PACE-trial) – preliminary results from the EXACT diary

Daniela Kroll (Schönau a. Königssee, Germany), Rainer Glocelnl, Tessa Schnéeberger, 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 Wimberg (Kaiserslautern, Germany), Albert Acebes, Serge Autxier, Marjolein Brusse-Keizer, Agni Delvinioti, Thrasyvoulos Giannakopoulos, Christiane Grünloh, Florian Hahn, Rain Jogi, Christos Kalloniatis, Konstantina Kostopoulou, Sofoklis Kyriazakov, Kosmas Lamprinoudakis, Jakob Lehmann, Danae Lekka, Anke Lenferink, Federico Mazzone, Giulio Pagliari, Stefano Patarnello, Aristodemos Pneumatikakis, Jarno Raid, Monique Tabak, Job Van Der Palen

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 Moller Weinreich

New Respiratory Rapid Access Service reduces ED presentations and hospital admissions.

Emily Lawton (Adelaide, Australia), Phan Nguyen, Mary Young, Nicole Jones, Paul Reynolds

PS-4 Session 08:00 - 09:30

Poster session: Lung physiology: are we missing the point?

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

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

Tag(s): Clinical, Translational

Chairs: Brendan Cooper (Edgbaston (Birmingham), United Kingdom), João Cordeiro Da Costa (Lousada, Portugal)
Comparing estimated versus actual dead space measurements in cardiopulmonary exercise testing (CPET): implications for clinical practice
Antoine EL KIK (Beirut, Lebanon), Hind Eid, Albert Riachy, Zeina Aoun, George Dabar, Carine Harmouche, Bassem Habr, Georges Khayat, Ihab Ibrahim, Maissa Safieddine, Moussa Riachy

Alterations of DLco diagnosis when using the first acceptable trial vs average of two acceptable trials
Matthew Hegewald (Murray, United States), Robert Jensen, Barry Make, Carla Wilson, Christian Buess, Jon Hardie, James Crapo

Inhalation from different pulmonary volumes does not impact bronchodilator efficacy in COPD patients
Dejan Radovanovic (Milano (MI), Italy), Camilla Zilanti, Lisa Milani, Linda Pelosi, Camilo Signorello, Anna Casartelli, Matteo Pecchiari, Pierachille Santus

Static lung volumes measured by plethysmography: does GLI fit well?
Atzimba Erandine Castillo Ayala (tlalpan, Mexico), Patricia Pacheco Perez, Rosaura Benitez Perez, Erika Meneses Tamayo, Jose Eduardo Perez Nieto, Gustavo Ivan Centeno Saenz, Mario Humberto Vargas, Laura Gochicoa Rangel

Comparative study of bronchodilator responsiveness in a Greek pediatric and adult asthma cohort using 2021 and 2005 ATS/ERS guidelines
Despoina Ioannidou (Thessaloniki, Greece), Christos Kogias, Athina Sopiadou, Petrina Vantsi, Eleni Faniadou, Aikaterini Kakidi, Afroditou Boutou, Elpis Hatziagorou

How to classify the severity of a restriction?
Nadia BEN LAZREG (sousse, Tunisia), Fatma Guezguez, Balsam Barkous, Inès Ghannouchi, Amani Sayhi, Sonia Rouatbi

The clinical impact of obtaining a single acceptable gas transfer manoeuvre
Joshua Barnes (King’s Lynn (Norfolk), United Kingdom), Heather Nuttall, Andrew Collingwood, Karl Sylvester

Immediate on-screen quality grade reporting is associated with improved spirometry quality.
Benjamin Fox (Tzrifin, Israel), Lotem Harel, Sivan Perl, Noam Nativ

Comparison of the measurement of lung volumes with two different plethysmography techniques in a real-world environment
Rosaura Esperanza Benitez Pérez (México, Mexico), Atzimba Erandine Castillo Ayala, Gustavo Iván Centeno Sáenz, Marco Antonio González Alvarez, Erika Meneses Tamayo, Jose Eduardo Pérez Nieto, Laura Graciela Gochicoa Rangel

Comparison of Respiratory Impedance in patients with Chronic Obstructive Pulmonary Disease and Bronchial Asthma
AAKANSHA SARDA (Raipur, India), Athul C. Angaj, Nitesh Goyal, Sajal De

Numerical simulations of high-frequency ventilation in the presence of airway and lung tissue heterogeneities
Péter Makra (Szeged, Hungary), Gergely H Fodor, Álmos Schranc, Roberta Südy, Walid Habre, Ferenc Peták

Assessment of strain effects of normal values of respiratory mechanics in rats
Gergely H. Fodor (Szeged, Hungary), Ferenc Rárosi, Bence Ballók, Fruszinsa 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
Mehrdad 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 Diaz Hinojosa (Santiago, Chile), Karin Herrera Carrasco, Jennifer Fuentes Landeta, Andrés Pinto Sánchez, Matías Florenzano Váldez

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 Scioscia, Luciana Salerno, Fabiola Murgolo, Ruggiero Torraco, Maria Cristina Colanardi, Gianluca Libero Cliliberti, 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

<table>
<thead>
<tr>
<th>PS-7</th>
<th>Session 08:00 - 09:30</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Poster session: Mucus dynamics and cellular secretion in pulmonary health and disease</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Disease(s):</strong></td>
<td>Airway diseases, Respiratory critical care, Interstitial lung disease</td>
</tr>
<tr>
<td><strong>Method(s):</strong></td>
<td>Cell and molecular biology, Physiology, Pulmonary function testing, Imaging</td>
</tr>
<tr>
<td><strong>Tag(s):</strong></td>
<td>Translational</td>
</tr>
<tr>
<td><strong>Chairs:</strong></td>
<td>Janna Nawroth (Munich, Germany), Jérémy Charriot (Montpellier Cedex 5, France)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Pathogenic extracellular vesicles link smoking to COPD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Camilla Margaroli (Birmingham, United States), Matthew C Madison, Kristopher R Genschmer, Derek W Russell, James M Wells, Ezgi Sari, Yixel Soto-Vazquez, Yuanyuan Guo, Kyle T Mincham, Robert J Snelgrove, Amit Gaggar, James E Blalock</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Macrophage-Derived Exosomes Promote Lung Fibroblast Activation in Response to Cigarette Smoke</th>
</tr>
</thead>
<tbody>
<tr>
<td>Renata Esposito (Caserta, Italy), Davida Mirra, Francesca Panico, Giuseppe Spaziano, Joselyn Rojas-Quintero, Francesca Polverino, Bruno D'Agostino</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Identification of molecular candidates of cilia-associated alterations in asthma</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maëva A. Devilliers (Reims, France), Audrey Brisebarre, Laure Petit, Myriam Polette, Gaëtan Deslée, Valérien Dornoy, Jeanne-Marie Perotin</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Structure-function relationships of mucociliary clearance in human airways</th>
</tr>
</thead>
<tbody>
<tr>
<td>Janna Nawroth (Munich, Germany), Doris Roth, Tugce Sahin, Feng Ling, Eric Quiroz, Ben Calvert, Anne Van Der Does, Pieter Hiemstra, Annemarie Van Schadoweijk, Sarah Glasl, Tankut Güney, Niels Tepho, Laura Von Schledorn, Ruth Olmer, Eva Kanso, Ryan Amy</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Measuring mucus rheology in airway epithelial cultures for donor and disease phenotyping</th>
</tr>
</thead>
<tbody>
<tr>
<td>Feng Ling (Munich, Germany), Tugce Sahin, Janna Nawroth</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Alveolar macrophage derived miR-380 drives chronic mucus hypersecretion via regulation of airway epithelial cell CFTR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jingxi Zhang (Shanghai, China), Xueting Yue, Donghai Chen, Guanglin Zhu, Yiping Han, Chong Bai, Yuchao Dong</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Water sorption capacity of airway mucus in COPD patients vs. mucus of patients without lung pathology following mechanical ventilation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Georg Nilius (Dortmund, Germany), Maik Schroeder, Ulrike Domanski, Stanislav Tatkov</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Targeting mucus hyperproduction in COPD using siRNA-loaded switchable lipid nanoparticles to silence SPDEF</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isabelle Dupin (Bordeaux, France), Thais Privetta, Aurore Guédin-Beamereapre, Eloise Latouille, Elise Maurat, Matthieu Thumerel, Patrick Berger, Jeanne Leblond Chain</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Effect of cigarette smoke extract on cell-free DNA release from bronchial epithelial cells.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Omar Alqarni (Jeddah, Saudi Arabia), Mushabbab Alahmari, Abdulrahman Alghamdi, Laura Matthews, Linhua Pang, Rachel Clifford, Amanda Tatler</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Phospholipid composition of the respiratory tract lining fluid (RTLF) in subjects with Asthma and COPD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jeong Lim Kim (Gothenburg, Sweden), Spela Kokelj, Sanna Kjellberg, Per Larsson, Sven-Erik Dahlén, Valentyna Yasinska, Per Wollmer, Andrei Malinovschi, Anna-Carin Olin</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Effect of vaping on mucociliary activity in nasal epithelial cell cultures of adolescents</th>
</tr>
</thead>
<tbody>
<tr>
<td>Loretta Müller (Bern, Switzerland), Angelina Messerli, Fabienne Hagmann, Tina Bachmann, Susan De Groof, Philipp Latzin, Julian Jakob, Reto Auer</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Refinement of a new method to estimate human bronchial epithelial cells ciliary beat frequency: effect of salmeterol</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stefano Palea (Labege, France), Sekou Diarra, Lea Domenge, Jan Markus, Alain Kamgoué</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Ciliary movement analysis in primary ciliary dyskinesia with a long deletion in DRC1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Miki Abo (Kanazawa (Ishikawa), Japan), Kenta Yamamura, Noriyuki Ōhkura, Joliske Hara, Seiji Yano, Kazuhiko Takeuchi</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Bronchial smooth muscle cells release prostaglandins and 15-LOX metabolites in response to different inflammatory stimuli</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rana Melisa Seren (Stockholm, Sweden), Willem Abma, Johan Kolmert, Jesper Säfholm, Craig E. Wheelock</td>
</tr>
</tbody>
</table>
Airway pH regulatory proteins are present and altered in asthma
Laura Smith (INDIANAPOLIS, United States), Taiya Edwards, Brittney Nilli, Nadzeya Marozkina, Olivia Giddings, Benjamin Gaston, Michael Davis

Alteration of airway pH by asthma-relevant cytokines
Michael Davis (Indianapolis, United States), Ivana Daniels, Taiya Edwards, Britney 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

PS-20  Session  08:00 - 09:30
Poster session: Pulmonary function tests: advanced technology and improved quality control for better patient care

<table>
<thead>
<tr>
<th>Disease(s)</th>
<th>Metho</th>
<th>Chairs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Airway diseases</td>
<td>Pulmonary function testing</td>
<td>Matthew Rutter (Cambridge (Cambridgeshire), United Kingdom), Justine Van den Hengel (Leusden, Netherlands)</td>
</tr>
<tr>
<td>Interstitial lung diseases</td>
<td>Physiology</td>
<td></td>
</tr>
<tr>
<td>Pulmonary vascular diseases</td>
<td>General respiratory patient care</td>
<td></td>
</tr>
<tr>
<td>Thoracic oncology</td>
<td>Pulmonary rehabilitation</td>
<td></td>
</tr>
<tr>
<td>Sleep and breathing disorders</td>
<td>Respiratory critical care</td>
<td></td>
</tr>
</tbody>
</table>

Is the Forced Oscillation Technique a suitable surrogate for more volitional lung function testing in COPD?
Ella O'Neill (Cambridge, United Kingdom), Ben Knox-Brown, Jonathan Fuld, Karl P Sylvester

The DLNO/DLCO ratio: Can it be clinically used?
Gerald Zavorsky (Davis, United States)

Unlocking the promise of digital inhalers: Insights from an in-vitro study
Yannick Baschung (kaiseraugst, Switzerland), David Ney Gonzalez, Martijn Grinovero, Luca Ponti, Cristina Cova, Valeria Sesana, Marco Franza, Mauro Citterio

Comparison of different agents for bronchial challenge tests
Miranda Sam - Spitteler (Dronten, Netherlands), Irene Steenbruggen, H P Grotjohan

Single-breath CO diffusion (DLCO-sb) altitude correction verification by pressure room measurements shows correct implementation.
Herman Groepenhoff (Lijnden, Netherlands), Thomas Markert, Margriet Kaldenbach

Less is more… comparison of two repeatability protocols for diffusing capacity (DLCO).
M. Huynh (Rotterdam, Netherlands), Monique Wapenaar, Ton Provily, Maartje Horstman, Leonard Seghers

Comparing Fowler and Cotes dead space methods during single breath gas transfer.
Lucy Robertson (Cambridge (Cambridgeshire), United Kingdom), Karl Sylvester

Evaluation of loaded ramp testing times during cardiopulmonary exercise testing (CPET).
Sara McArthur (Edinburgh (Edinburgh), United Kingdom), Shaun Baxter, Jill Macleod, Kristofor Cuthbert

A comparison of spirometry performed with two different methods
Liv Karin Vesteng (Jessheim, Norway), Anita Grongstad, Christine Gudim Karlsen

Performing body plethysmography with low breathing frequency (< 0.5 Hz) vs. breathing frequency 0.5-1.0 Hz.
Jan Bouwman (Haren GN, Netherlands), Sonja Augustijn, Marlies Van Dijk

Quality Assurance in a Respiratory Laboratory: How compliant are you?
Calvin Apen (Doncaster (South Yorkshire), United Kingdom), Muhammad Khan

Six-year review of a spirometry quality control program utilized across British Columbia, Canada
Carl Mottram (Hayfield, United States), Teresa Mccaskell, Navdeep Rakhra, Susan Blonsine

A Quality Assurance Review Model for Pulmonary Function – The Royal Papworth Method
Holly Le Winton (Cambridge, United Kingdom), Lucy Robertson, Joshua Barnes, Karl Sylvester
Detection of a common method for undermining the evaluation of full inflation in a clinical trial for asthma
Kevin McCarthy (Matthews, United States), Phil Lake

Is a close follow-up program crucial for treatment adherence in patients with obstructive sleep apnea syndrome (OSAS)?
Linn-Betina Weflen Wold (Jessheim, Norway), Anita Grongstad, Nils Henrik Holmedahl, Christine Gudim Karlsen

Z-score vs percentage of predicted value: how they perform in preoperative functional assessment?
Kristian Brat (Brno, Czech Republic), Ivan Cundrle Jr.

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

Poster session: Mechanical ventilation and acute respiratory failure

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
Ian Ian (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, Nuchaphon Xanthavanij, Matthew Strand, Brian Hobbs, Matthew Moll, Michael Cho

Stoma Stent in a traqueotomy decanulation process. Experience in a cohort of patients with prolonged mechanical ventilation.
Ana Reyes Pardessus Otero (Barcelona, Spain), Paula Pual, Albert Rafecas, Carolina Panadero, Patricia Peñacoba, Carmen Puy, Macarena Segura, Pedro A. Anton

Prediction of Extubation Successful in an Medical ICU using Machine Learning:A Preliminary Study
Chang Yujen (Taichung City, Taiwan), Chi Shuhua

Exploring the Therapeutic Role of Early Heparin Administration in ARDS Management
Wang Deng (Chongqing, China), Ling-Xi Xiao, Dao-Xin Wang

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

Prevalence of abdominal compartment syndrome and effect of decompressive laparotomy in patients requiring ECMO
Christoph Fisser (Regensburg, Germany), Chiara Koch, Maximilian Malferttheiner, Maik Foltan, Alois Philipp, Dirk Lunz, Thomas Müller, Matthias Lubnow

The impact of aviptadil as an add-on to the standard of care in acute respiratory distress syndrome
Soumyadeep Ghosh (Burdwan, India), Subhadip Pal, Bhupesh Dewan

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

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 Médrinal
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

Inflammation-induced generation of splenic erythroblast-like Ter-Cells alleviates acute lung injury
Qiao Zhou (ShangHaiChina, China), Chong Bai

Temporal trends of patients who require complex weaning, 2006-2018
Alessandra Sorano (Firenze, Italy), Neeraj M Shah, Rebecca F D’Cruz, Michael Cheng, Khaled Alarfi, Philip Marino, Michelle Ramsay, Shelley Srivastava, Joerg Steier, Eui-Sik Suh, Nicholas Hart, Federico Lavorini, Georgios Kaltsakas, Patrick Murphy

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

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

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

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

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-1 Session 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)

**Pneumomediastinum- a single centre case series from 2010-2020**
Kirk Ramharack (Newcastle, United Kingdom), James Hyman, Avinash Aujayeb

**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 Wong To, Fanny Wai San Ko, David Shu Cheong Hui

**Five-Year Durability of Zephyr Valves in Patients with Severe Emphysema 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

**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 Kronmann Lund, Michael Thomas Durheim, Marissa O’Callaghan, Amina Jouida, Adriane Vorselaars, Michael Perch, Evelien Peeters, Michael Keane, Cormac Mecarthy

**Spontaneous Pneumomediastinum: A Single-Centre Study**
Amro Abu Suleiman (Hull, United Kingdom), Rohan Menon, Almahanad Aljulandani, Shoaib Faruqi

**Pneumothorax essentials: insights into causes and care**
Harshita Mishra (MUMBAI, India), Rosna Thomas, Tanay Sinha, Jairaj Nair, Mayank Tiwari, Snehal Kawade
Sarcopenia Prevalence and Predictors in Non-malignant Chronic Respiratory Disease Patients: A Prospective, Multicenter Cohort Study
Pin-Kuei Fu (Taichung, Taiwan), Pai-Chien Chou, Yu-Chi Tung

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

Pulmonary artery sling as a rare cause of dyspnoea of unknown origin
Kateryna Khromykh (Vinnytsia, Ukraine), Veronika Dudnyk, Olha Zborovska, Oleksandr Teterin

An observational approach to haemothoraces- A single centre review
Avinash Aujayeb (Newcastle, United Kingdom), Kirk Ramharack, Thomas Roberts

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

Validity and reliability of objective structured assessment of technical skills tool for Ultrasound-guided arterial puncturing
Amal Alsomali (khobar, Saudi Arabia), Raghad Alhjy, Maisa Alshammrani, Aisha Alhamed, Abeer Alqahtani, Jithin K Sree, Zechariah Arulanantham

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

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

Application and evaluation of high-throughput sequencing in children with pleural effusion-related diseases
Yingshuo Wang (Hangzhou, China), Zhufei Xu

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

Thoracic involvement during Behçet’s disease: about 32 cases
khadija miftah (CASABLANCA, Morocco), Nahid Zaghba, Hanane Benjelloun, Khadija Chaanoun, Hanaa Harraz, Najiba Yassine

Association between advanced lung cancer inflammation index and unstable asthma: A population-based study
Zhou Jin (Beijing, China)

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

Factors Affecting Immunoreactive Trypsinogen Levels in Cystic Fibrosis Newborn Screening
Ayse Tana Aslan (Ankara, Turkey), Handan Kekeç, Tuğba Şişmanlar Eyüboğlu, Volkan Medeni, Bahar Çuhacı Çakır

**PS-32** Session 08:00 - 09:30

**Poster session: Skills training for clinicians and patient education**

**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)

**Short-term effects of lung auscultation education using visualization for medical students**
Chiaki Kawame (chiba, Japan), Hajime Kasai, Yuki Shiko, Ayaka Kuriyama, Kenichiro Takeda, Hiroshi Tajima, Nami Hayama, Mikihito Saito, Takuji Suzuki

**Ds3D: A digital medical education campaign for increasing awareness of the signs of PH & CTEPH on CTPA among UK physicians**
Christopher Felix Lawton Brewer (London, United Kingdom)
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

Non-invasive ventilation simulation training for the multi-professional team
Kavita Patel (London, United Kingdom), Humaira Patel, Clare Greenwood, Karen Stevens, Maria Regencio, Leyla Ahmet, Fareeda Riaz, Vladimir Macavei

How do attending physicians use the scaffolding functions during the ICU bedside round?
Chayanon Songsomboon (Bangkok, Thailand)

Enhancing Respiratory Auscultation Skills Through Clinical Correlation and Imaging
MATHEUS RABAHI (GOIANIA (GO), Brazil), Philippe Colares, Marcelo Fouda Rabahi

Toward Evidence-Based Practice: Exploring Influential Factors Among Respiratory Health Professionals in Latin America
Matías Otto-Yáñez (Santiago De Chile, Chile), Vicente Benavides Córdoba, Guilerme Fregonezi, Vanessa Resqueti, Orlando Pérez Nieto, Alejandra Cañas, Santiago Larrateguy, Guillermo Mazzucco, Jhonatan Betancourt-Peña, Rodrigo Torres-Castro

‘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

Evaluation of expertise acquisition in thoracic ultrasound after residential course.
Luca Passantino (Rome, Italy), Lorenzo Carriera, Roberto Barone, Chiara Di Cienzo, Giovanni Pierro, Alessandro Perrotta, Riccardo Inchingolo, Andrea Smargiassi, Luca Richeldi

Development of a low-cost respiratory artificial mucus for clinical simulation
MARISMAR FERNANDES DO NASCIMENTO (Recife-Pernambuco, Brazil), Clara M. P. Araújo, Paulo R. S. O. Neto, Emanuel F. F. Silva Júnior, Layane S. P. Costa, Edval G. Araújo, Carlos A. R. Gonzalez, Shirley Campos

Advancing TB education in Ukraine: virtual technologies for CME amid challenges
Nataliia Ltyvynenko (Kyiv, Ukraine), Oleksii Kosyychenko, Maryna Pohrebna, Yuliia Senko, Anastasiia Lafeta, Olena Pavlenko, Aleksey Bogdanov, Gunta Dravniece

Pleural procedures workshop: Our experience in Ayr Hospital
Nicola Trotter (Ayr, United Kingdom), Anur Guhan, Sagara Dissanayaka

Experience in developing a Respiratory simulation program in a DGH.
Mohamad Hasan (Blackpool (Lancashire), United Kingdom), Hashim Hameed, Thomas Bongers

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

Awareness of green inhalers is limited among Irish prescribers
Ankit Yadav (Dublin, Ireland), Iarlaith Doherty, Ammar Janjua, Sean Garvey, Deirdre Fitzgerald

The top 5 research priorities in asthma- parents' perspective
Adnan Zafar (Hofuf, Saudi Arabia)

Communicating risk of asthma attacks to patients and the public
Heesu Yang (Auckland, New Zealand), Amy Hai Yan Chan, Jeff Harrison

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)
Paola Pierucci (Bari, Italy), Luigia Simona Mininni, Ester Putignano, Hans Intveen, Raul Toran, Robab Breyer-Kohansal, Rosa Faner, Valentina Agnese Ferraro, Andreja Sajnic, Maribel Casas, Judith Garcia-Aymerich, Alvar Agusti, Lies Lahousse, Yasemin Goldemir, Sandra Karabatić, Ivan Tarrio, Aylin Ozsanacik Uğurlu, Lauren Anderson, Pippa Powell

Evaluation of Patient Knowledge and Attitudes Towards chronic obstructive pulmonary disease (COPD) Management: A cross-sectional study
Emma Benjemia (Tunis, Tunisia), Slim Kahloussi, Wafâa Meddi, Hend Ouertani, Jihen Ben Amar, Haifa Zaibi, Hichem Aouina
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)

**Handgrip strength and cognitive function among older adults with COPD**
Jungeun Lee (Kingston, United States)

**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

**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

**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

**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 López, Marie Carmen Valenza

**The transition experience in the lung transplant process**
Andreia Pereira (Lisbon, Portugal), Sonia Morgado, Filipa Veludo, Isabel Rabiiais

**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 Samarzija

**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), Dorte Hausted, Sonja Izquierdo Riis Meyer, Sune Leisgaard Mørk Rubak

**The experience of people with idiopathic pulmonary fibrosis living through the Covid-19 pandemic**
Noelle Ryan (Limerick, Ireland), Aidan O’Brien, Brian Casserly, Pauline Méskell
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), Sıdıka Oguz, Huriye Berk Tekır

PS-27 08:00 - 09:30
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

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

Fungal stimulation induces a specific Th1-like immune response in hypersensitivity pneumonitis patients
Helder Bastos (Portugal), Rita F Santos, Andreia L Coelho, João C Rufo, David Coelho, Melany Gonçalves, Samuel Gonçalves, Cristina Cunha, Agostinho Carvalho, Natalia Melo, Patricia Mota, André Terras, Susana Guimarães, André Carvalho, Luís Delgado, Margarida Saraiva, António Morais

The prognostic role of eosinophils in patients with hypersensitivity pneumonitis: a multicenter study

Immunological profile of lung tissue of patients with hypersensitivity pneumonitis
Marc Massa Gómez (Barcelona, Spain), Silvia Sánchez Díez, David Soler Segovia, Susana Gómez Ollés, David Espejo Castellanos, Iñigo Ojanguren Arranz, Maria Florencia Plía, Yolanda Vasiête García, Xavier Muñoz Gall, Maria Jesús Cruz Carmona

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 Dræby, Annika H Hansen, Morten Karsdal, Diana J Leeming, Jannie M B Sand, Saher B Shaker

Increased monocyte count as a prognostic biomarker in patients with interstitial lung disease with autoimmune features
Panagiota Tsiri (Patra, Greece), Vasilina Sotiropoulou, Matthaios Katsaras, Ourania Papaioannou, Georgios Tsirikos, Electra Koulousoua, Eva Theochari, Ioannis Christopoulos, Dimitrios Komninos, Alexandra Pandi, Eilli Malakoundou, Vasiliki Georgiopoulou, Dionysios Papalexatos, Dimosthenis Lykouras, Maria Tsiamita, Kyriakos Karkoulias, Fotios Sampsonas, Argyrios Tzouveleakis

Biomarkers of exposure and progression in patients with hypersensitivity pneumonitis and exposed workers (EXIMIOUS project)
David Soler Segovia (Barcelona, Spain), David Espejo Castellanos, Mar Sevilla, Carlos Gómez-Ollés, Mª Florencia Plía, Iñigo Ojanguren Arranz, Ana Villar, Mª Jesús Cruz Carmona, Xavier Muñoz Gall

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
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

High peripheral blood monocytes as a predictive factor of fibrotic ILD worsening
Houda Snène (Tunis, Tunisia), Bochra Karabarini, Amal Harzalli, Hana Blibeche, Syna Derouch, Donia Belkhir, Sameh Belhadj, Jalloul Daughfous, Nadia Mehiri, Nozha Ben Salah, Bechir Louzir

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

Remote monitoring of oxygen-dependent patients with interstitial lung disease (ILD)
Elinny 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

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

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

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

Anti-Ro52 antibodies in interstitial lung disease
Donia Chebbi (Ben Arous, Tunisia), Samar Derbal, Olfa Hentati, Yousra Cherif, Imen Zamali, Hana Mrassi, Hana Blibecheh, Fatma Ben Dahmen, Leila Gharbi, Bechir Louzir, Meya Abdallah

Pulmonary function trajectories in rheumatoid arthritis-associated interstitial lung disease
Charlotte Hyldgaard (Åbyhøj, Denmark), Asger Roer Pedersen, Torkell Ellingsen, Elisabeth Bendstrup

Increased lung monocyte infiltration in Fibrotic Interstitial Lung Diseases.
Eirini Vasarmidi (Heracliion (Creta), Greece), Eliza Tsitoura, MarILena Lourou, Ioanna Argyriou, Nikolaos Galanakis, Eleni Bibaki, Katerina M. Antoniou

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-14 Session 08:00 - 09:30
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: 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 Boukhlal, Haifa Romdhane Ben, Stéphane Fiévez, Jennifer Nguyen, Hannah Volkman, Jinma Ren, Pascal Crépey, Olivier Robineau

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

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
Symptoms of the post-COVID syndrome at young adults
Anna V Demchuk (Vinnytsia, Ukraine), Tetyana V Konstantynovych, Anna Zagrebelna, Dariya Martynyuk, Yuliya Fedorovych

Covid-19 mortality risk factors in the hospitalized patients in Sahluol University Hospital-Tunisia
Arwa Neffati (Tunis, Tunisia), Hela Ghalal, Sana Bhiri, Habiba Ben Hamada, Balsami Kacem, Mohamed Benrejeb, Asma Ben Cheikh, Mohamed Kahloul, Halim Trabelsi, Walid Naja, Houyem Said

Defining a long COVID ‘expotype’ within the P4O2 COVID-19 study
Judith Holtjer (Utrecht, Netherlands), Lizan Bloemsma, Lützen Portengen, Jelle Blankenstijn, Laura Houweling, Anke-Hilse Maitland-Van Der Zee, Roel Vermeulen, George Downward

Impact of the COVID-19 pandemic on home mechanical ventilation in Germany
Sarah Bettina Stanzel (Köln, Germany), Maximilian Wollsching-Strobel, Daniel Sebastian Majorski, Doreen Kroppen, Melanie Berger, Fulk Schumacher, Maximilian Zimmermann, Windisch Wolffram

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 Aguillà, Aida Monge, Nuria Forns Parial, Rafaela Vaca Molina, Olga Miguez Roure, Maria Zuil Moreno, Ivan D. Benitez, Clara Got-Paniello, Anna Moncusí-Moix, David De Gonzalo-Calvo, Ferrán Barbé, Jessica González

Hospitalisations for lower respiratory tract infections in adults with and without chronic respiratory disease during and after COVID-19 pandemic
Alexandre Elabbadi (Paris, France), Lucie Brolon, Christian Brun-Buisson, Didier Guillemot, Muriel Fartoukh, Laurence Watier

Tuberculosis in Children in Bulgaria in the period 2007-2022
Maria Tifekchieva (Sofia, Bulgaria), Angelina Yaneva

Acute Lower Respiratory Tract Disease remains a significant disease following the COVID19 pandemic
Catherine Hyams (Bristol, United Kingdom), Robert Challen, Elizabeth Begger, Maria Lahuerta, Jo Southern, Serena Mcquinness, James Campling, Jennifer Oliver, Andrew Vyse, Nigar Aliabadi, Nick Maskell, Bradford Gessner, Leon Danon, Adam Finn

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 Hontanaya Navas, María Reyes Sánchez Jaldo, Angela Ramos Pinedo, Jose Francisco Valverde Canovas, Juan Carlos Sanz Moreno, Irene Torres Arroyo

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

TB: Tip of the iceberg or a pandemic in the making - again?
Naomi Earl (Timberbridge Wells, United Kingdom), Burhan Khan, Sudhir Lohani

Evaluating pneumococcal vaccine strategies in older adults in Germany: proficiency and cost-utility
Kahlkashan Mahrene (Halle (Saale), Germany), Myka Harun Sarajan, Alexander Kuillmann

Community-Acquired Pneumonia in Centenarian Elderly Individuals
Raquel Alexandra Dos Santos Silva (Setúbal, Portugal), Inês Marques Macedo, Maria Luís Bragança, Fernanda Paula, Henrique Oliveira, Filipe Froes

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

Allostatic load in incident airflow obstruction: Evidence for syndemics?
Mohammad Azizzadeh (Vienna, Austria), Robab Breyer-Kohansal, Sylvia Hartl, Mariana Radu-Ptik, Emiel F M Wouters, Marie-Kathrin Breyer
Disease(s) : Thoracic oncology  Respiratory critical care
Method(s) : Endoscopy and interventional pulmonology  Palliative care  Surgery  General respiratory patient care  Imaging  Cell and molecular biology  Epidemiology
Chairs : Anand Sundaralingam (Oxford, United Kingdom)

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 Sediani, Laura Cirilli, Federico Mei

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 (Trivandrum, India), Ravindra Mehta, Sameer Bansal, Rohit Vadala, Hari Prasad

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

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 (Kumanakulam (Kerala), India), Jibin James, Nivediya Venugopal

Outcome after treatment of malignant pleural effusion (MPE) with indwelling pleural catheter (IPC). Multicentric study (PLEUROPAPID trial: P12/01420)
María Isabel Botana Rial (Vigo (Pontevedra), Spain), Irene Lojo Rodriguez, Cristina Ramos Hernández, Miguel Iglesias Heras, Rosa Cordovilla Perez, Lucia Ferreiro Fernández, Olalla Castro Añón, 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.
Sören 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 Louise Ambrocio

Reducing pulmonary hemorrhage risk in CT-guided lung biopsy - impact of ground-glass opacification in the access pathway and lung gravitational physiology.
Michael Brönnimann (Bern, Switzerland), Leonie Manser, Andreas Christe, Johannes Heverhagen, Bernhard Gebauer, Dirk Schnapauff, Federico Colletti, 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, Sören 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 Feroli, 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 Guillhen, Antoine Khalil, Joffrey Hamam, Julien Behr, Philippe Manzoni, Paul Calame, Franck Griffet, 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, Diptendu Dey, Raja Dhar

Level and predictors of anxiety in patients undergoing bronchoscopy
Aissa Sana (Sousse, Tunisia), Kacem Amani, Bouguezzi Rim, Ben Jazia Rahma, Ben Bedir Baraa, Benzarti Wafa, Knaz Asma, Kharrat Imen, Gargouri Imen, Maatallah Anis, Abdelghani Ahmed

PS-13
Poster session: Taking control: advances in the management of asthma and allergic airways disease

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

Real-world effectiveness of dupilumab vs benralizumab and vs mepolizumab in patients with severe asthma: The EU-ADVANTAGE study

Effectiveness of dupilumab vs omalizumab in patients with severe asthma – The EU-ADVANTAGE study

BEHAVE: Benralizumab clinical efficacy, tolerability, and safety in real-world experience with home-based spirometry
Slagjana Stoshikj (Wien, Austria), Katharina Marth, Andreas Renner, Dominik Bernitzky, Christina Bal, Andreas Zech, Sonja Zehetmayer, Johannes Vilsmeier, Karin Patocka, Wolfgang Pohl, Marco Izedko

Tezepelumab in Real life setting: elucidating the clinical effectiveness, tolerability, and safety in severe asthma patients
Slagjana Stoshikj (Wien, Austria), Katharina Marth, Andreas Renner, Christina Bal, Johannes Vilsmeier, Sonja Zehetmayer, Karin Patocka, Wolfgang Pohl, Marco Izedko

Oral corticosteroids and biologics use in the Greek Severe Asthma Registry (GSAR)

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 Stanzina

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 (CRSwithNP): A US real-world practice study
Juby A. Jacob-Nara (Bridgewater, NJ, 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
Efficacy and Safety Analysis of Mepolizumab in the Treatment of Eosinophilic Granulomatosis with Polyangiitis
Changxing OU (Guangzhou, China), Wenhui Lin, Yue Wu, QingLing Zhang

New onset EGPA in patients on biologics for severe asthma (SA) - a multi-centre case series
Hitasha Rupani (Southampton, United Kingdom), Aruna T. Bansal, Svetlana Sergejeva, Alexandra Nanzer, Marco Caminati, Peter Kopac, Zsuzsanna Csoma, Sabina Skrgat, Branislava Milenkovic, Kristina Bieksiene, 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 Panigiani (Siena, Italy), Paolo Cameli, Miriana D’Alessandro, Elena Bargagli, Laura Bergantini

The effects of Bevralizumab on blood basophils in severe asthmatic patients: preliminary results
Cecilia Calabrese (Napo, 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, Arijita 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, Hidetoshi Iemura, Sachiko Miyauchi, Yoshitaka Uchida, Kazuyuki Nakagome, Makoto Nagata

Role of Allergen Immunotherapy and Omalizumab as an adjuvant in Asthma remission
Venkatesh Bhat (Mumbai, India)

How, when and why AIT is prescribed in Italy: a real-life study conducted through a patient association
Emanuele Nappi (Rozzano, Italy), Giovanna Paolelli, 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
Yosssr Aloulou (Manouba, Tunisia), Islam Mejri, Manel Jabberi, Tasnime 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

PS-6 Session 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), Chair to be confirmed

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 Falcones, Gunilla Westergren-Thorsson

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 Shrami, Yazeed Rajabi, Ahmad Quteineh, Menachem Bitan, Gabriel Izbicki, Vered Cohlhof, Yael Batan, Alona Lin, Brucha Ganun, Nissim Arish, George Kalak, Amir Jarjou, 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
Hirosi 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 Mercu, Paola Congera, Francesca Mele, Sara Lai, Stefano Mocci, Erika Giuressi, Celeste Sanna, Michela Murgia, Mero Ploisiou, 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 Lettelier, Cécile Le Naoures, Bertrand Richard De Latour, Bruno Crestani, Stéphanie Jouenne, 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, 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

Impact of GLP1R and its agonists in pulmonary circulation
Dusan Jeremic (Graz, Austria), Bence Nagy, Kathrin Eller, Konrad Hötze necker, Horst Olschewski, Andrea Olschewski, Chandran Nagaraj

Elevated platelet-leukocyte aggregates as markers of chronic inflammatory thrombosis in chronic thromboembolic pulmonary hypertension

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 Castanier, Iwona Pranke, 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 Pelc (Warsaw, Poland), Urszula Lechowicz, Adam Szpechciński, Joanna Moes-Sosnowska, Paulina Skronska, Adriana Rozy, Aneta Zdral, Emil Wojda, Mateusz Polaczek, Małgorzata Szolowska, 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 Skronska, Magdalena Pelc, Małgorzata Szolowska, 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 Büger (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
Marmel 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 Shechtensky, 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

PS-24  Session  08:00 - 09:30
Poster session: Mechanistic studies in respiratory infection
Acetate inhibits Pseudomonas aeruginosa growth and reduces inflammatory responses to infection in primary human lung tissue ex vivo
Valerie Beneke (Hannover, Germany), Sven Cleeves, Hannah Kiefer, Andrew Tony-Odigie, Christopher Werlein, Lavinia Neubert, Patrick Zardo, Danny Jonigk, Hans-Gerd Fieguth, Armin Braun, Alexander Dalpke, Katherina Sewald

Interactions of Staphylococcus aureus and polystyrene on 2D mini lung infection model
Iris Romero (Barcelona, Spain), Irene Chamorro, Álberto Zambrano, Alba Hernández, Jose Domínguez, Alicia Lacoma

Unraveling the role of α-(1,2)-fucosylation in bacterial pneumonia
Cengiz Goekeri (Berlin, Germany), Sebastian Schickinger, Alina Nettesheim, Kerstin Linke, Leila Bechtella, Gaël Vos, Elena Lopez-Rodríguez, Vladimir Gluhovic, Anne Volk, Sandra Kunder, Jade Bath, Katharina Ribbeck, Kevin Pagel, Achim Gruber, Matthias Ochs, Peter Seeberger, Martin Witzenrath, Geraldine Nouailles

The impact of differential nutrient availability during acute lung injury on Pseudomonas aeruginosa growth
Jennifer Baker (Ypsilanti, United States), Thomas Flott, Laura Mclellan, Nicole Falkowski, Gary Huffnagle, Kathleen Stringer, Robert Dickson

Unveiling the Mechanisms of Chlamydia-Induced Neutrophilic Airway Inflammation
Dóra Paróczai (Dezső, Hungary), Dezső Virok, Valéria Endrész, Zoltán Szabó, Tamás Janáky, Katalin Burián

Effect of hyperglycemia and angioptetin-like-4 on pneumolysin-induced pulmonary barrier dysfunction
Birgitt Gubt (Berlin, Germany), Yadong Wang, Laura Kneller, Timothy J Mitchell, Martin Witzenrath

RSV infection in mice is associated with features of lung fibrosis by histochemistry, micro-CT imaging and large scale 3D-microscopy
roberto garofalo (Galveston, United States), Teodora Ivanciu, Igor Patrikev, Lorenzo Ochoa, Massoud Motamedi, Gracie Vargas, Antonella Casola

Development of a method for the isolation and purification of anti-IFN-gamma interferon autoantibodies and quantitative detection
Xidong Wang (guangzhou, China), Yangqing Zhan, Shaoqiang Li, Yan Wang, Zhengtu Li, Feng Ye

The role of effector T cells in the course of COVID-19 in different waves of the pandemic
Elżbieta Rutkowska (Warsaw, Poland), Iwona Kwicień, Agata Raniszewska, Krzysztof Kłos, Piotr Rzepecki, Andrzej Chciałowski

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

HMGB1 and Metabolic Pathways in Acinetobacter baumannii Severe Pneumonia: An Associative Study
Qianyue Yang (Guangzhou, China), Mingshan Xue, Zhiwei Lin, Baoqing Sun

Evaluation of immunosuppression in a murine model of respiratory syncytial virus infection
Louise Haste (Bedford (Bedfordshire), United Kingdom), Natasha Scott, Alistair Ballantine, Stephen Jordan

Impact of TMPRSS2 polymorphism on severity of COVID-19
Ashok Kumar (karachi, Pakistan), Santosh Kumar

Determination of both the expression and serum levels of EGF and TGFβ1 genes in SARS-CoV-2
Pınar Yıldız Gúllan (Kırıkale, Turkey), Recep Eröz, Cihadiye Elif Öztürk, Dilek Yekenkurul, Hasan Baki Altnsoy, Ege Gülçe Balbay, Merve Erçetlik, Fatih Davran, Şeyma Yıldız

The Role of Human F3/TFF (TISSUE FACTOR) In The Thrombotic Complications In Pneumonia
Ksenia Bielosludtseva, Tetyana Pertseva

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

Plasminogen Activator Inhibitor-1 (PAI-1) and Human F3/TFF (Tissue Factor) Link as a Cornerstone of Thrombogenesis in COVID-19-associated pneumonia
Ksenia Bielosludtseva, Tetyana Pertseva
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 Rubres, 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

Association of local IgG 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-18**

**Poster session: New trends in thoracic surgery**

**Disease(s):** Airway diseases, Thoracic oncology, Respiratory critical care, Interstitial lung diseases, Sleep and breathing disorders

**Method(s):** Surgery, Endoscopy and interventional pulmonology, Imaging

**Chairs:** Lorenzo Rosso (Milan, Italy), Chair to be confirmed

"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

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, José Di Stefano, Vittorio Aprile, Stylianos Korasidis, Marcello Carlo Ambrogi, Marco Lucchi

Management practice and outcome for primary spontaneous pneumothorax – a retrospective study
Jackson Ka Chun Leung (Hong Kong, Hong Kong), Chi Leung David Lam

**RESECTED CHEST WALL TUMORS IN CHILDREN: MONOCENTRIC EXPERIENCE**
Wassim Chaieb (Ariana, Tunisia), Zied Chaari, Emma Krishen, Aymen Ben Ayed, Abdessalem Bentati, Imed Frikha

Pulmonary resection for massive hemoptysis: Over 20 years of experience;
Wassim Chaieb (Ariana, Tunisia), Imen Bouacida, Ali Ben Salem, Amina Abdelkabir, Mehdi Abdennadher, Hazem Zribi, Marghli Adel

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

The cornerstone of hydatidosis of the chest wall: Recurrence
Asma Saad (Ariana, Tunisia), Imen Bouassida, Amina Abdelkabir, Mahdi Abdennadher, Sarra Zaïri, Hela Cherif, Hazem Zribi, Adel Marghli

**Videolaryngoscopy is associated with a lower rate of double-lumen endotracheal tube malposition in thoracic surgery procedures, retrospective single-center study**
Güntüg Batıhan (Kars, Turkey), Soner Kına, İhsan Topaloğlu

**tracheal stenosis: surgical management and results**
Wassim Chaieb (Ariana, Tunisia), Hamdi Siwar, Abdelkabir Amina, Saidani Wifek, Abdennadher Mahdi, Maazaoui Sarra, Zribi Hazem, Marghli Adel

**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, Emma Ben Jemia, Haifa Zaibi

Are patients aware of their risk of further recurrence after index pneumothorax surgery?
Edward Caruana (Kegworth, United Kingdom), Neil Greening, Iain Stewart

**Chondrosarcomas of the chest wall: a report of 17 cases.**
Wassim Chaieb (Ariana, Tunisia), amina abdelkabir, Wassim Cheib, Imen Bouassida, Aly Ben Selem, Ines Moussa, Mahdi Abdennadher, Nizar Fitouhi, Hazem Zribi, Adel Marghli

**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, Emma Ben Jemia, Haifa Zaibi
Challenges in Robotic thymectomy: stage IVa Myasthenia Gravis pediatric patient
Delia Giovanniello (Avellino, Italy), Sara Ricciardi, Mattoccia Francesco, Mauro Calvani, Silvia Rogante, Monica Mucciaroni, Luigi Tritapepe, Giuseppe Cardillo

When a congenital disorder meets genetics
Benedita Teixeira Custódio Gonçalves Ferreira (Albufeira, Portugal), Cátia Saraiva, Ligia Pires, Rita Ribeiro

Mediastinal cystic lymphangiomas : a single institution experience
wifek SAIDANI (Ariana, Tunisia), Amina Abdelkebir, Ahmed Lasmer, Imen Bouacida, Mahdi Abdennadher, Nizar Fitouhi, Sarra Maazouzi, Hazem Zribi, Adel Marghli

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, Soraya Fenniche, Saoussen Hantous, Mohamed Nabil Nessib, Taher Mestiri, Adel Marghli

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

Infertility resolved after proper thoracic assessment: A case of disseminated endometriosis
Shaya Alshaya (Riyadh, Saudi Arabia), Riyad Allehebi, Ghada Alhadlaq

Poster session: Pulmonary fibrosis and all of its clinical aspects

Disease(s) : Interstitial lung diseases, Thoracic oncology
Method(s) : Epidemiology, Imaging, General respiratory patient care, Pulmonary function testing, Endoscopy and interventional pulmonology

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), Claus 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, Raphaël Borie, Antoine Khalil, Marie-Pierre Debray, Bruno Crestani

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 Jolikoh, Tae Iwasawa, Fumikazu Sakai, Akira Hebisawa, Tamiko Takemura, Yoshinori Kawabata, Yasuhiro Terasaki, Masashi Kitani, Yoshihito 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 Pihtili, Esen Kiyani, Zeki Kilicaslan, Gulfer Okumus

Radiological and histopathological features of Early Idiopathic Pulmonary Fibrosis (Early IPF)
Martina Maria Marinato (Bologna, Italy), Bernardo Stefani, Lorenzo Tofani, Alessandra Sorano, Leonardo Gori, Elisabetta Rosi, Diletta Cozzi, Camilla Comin, Sara Tomassetti

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)

Patients and caregivers’ core aspirations to maximize the attractiveness of ASPIRE - a phase 2b trial to investigate the disease modifying potential of buloxibutid in IPF
Asa Magnusson (Stockholm, Sweden), Cecilia Ganslandt, Sofie Gro Søndergaard, Louisa Channouf Jacobsen, Gry Willum Hagelund, Anne Katrine Cohrt

Identifying outcome domains to establish a core outcome set for progressive pulmonary fibrosis: a scoping review.

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 Kahnt, 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 Eren, Mehmet Atilla Uysal, Sule Gül, Şenay Aydin

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

PS-16 Session 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)

Inhaled corticosteroid delivery is markedly affected by breathing pattern and valved holding chamber model
Laura Ojanperä (tampere, Finland), Lauri Lehtimäki, Heini Huhtala, Péter Csonka

Reducing environmental footprint of asthma treatments by promoting appropriate inhaler disposal.
Sonal Kansra (Sheffield (South Yorkshire), United Kingdom), Samantha Flowers

Real-world digital smart inhaler (DSI) monitoring in children with uncontrolled Asthma
Pooja Devani (Leicester (South Yorkshire), United Kingdom), Sarah Popple, Lesley Danvers, Eliza Trim, Latricia Pawlick, David Lo, Vinayak Rai, James Hadwin, Erol Gaillard

Inhaler technique among asthmatic children: common errors and impact on asthma control
Farah Garci (Ariana, Tunisia), Besma Hamdi, Sabrine Louhaichi, Chaïma Turki, Yosra Bellil, Syrine Abdelmoumen, Syrine Arfa, Jamel Ammar, Agnes Hamzaoui

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
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

Exploring General Practitioners’ Perspectives on Transitioning Patients with Asthma: A Qualitative Interview Study
Luna Antonino (Edgem, Belgium), Kim Van Hoorebeek, Josefien Van Olmen, Natwarin Janssens, Delphine De Smedt, Ann Van Hecke, Karsten Vanden Wyngaert, Stijn Verhulst, Eva Goossens

Investigating challenges and elements of transitional care in young people with asthma: A systematic review
Luna Antonino (Edgem, Belgium), Kim Van Hoorebeek, Josefien Van Olmen, Yaël Vanharen, Natwarin Janssens, Stijn Verhulst, Eva Goossens

Comparison of As-Required versus Regular Weaning Inhaled Salbutamol Post-Acute Wheezing
Kah Wee Teo (Glenfield, United Kingdom), Dylan Whitaker, Karena Fraser

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

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, Sailesh Kotecha

The adherence to the allergic rhinitis symptom diary application in young asthma patients
Tiina Tanninen (HELSINKI, Finland), Anna Pelkonen, Mika J. Mäkelä

Towards non-invasive home monitoring of children with asthma, a clinical cohort study
Casper Gisjen (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
Subhasis 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

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: Navigating the journey of adult cystic fibrosis: past and future perspectives

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, Josje 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, Denisa Wilkes, Henry Danahay, 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, Josje 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 gluttre-ADL test more effective than the 6-minute walk test for evaluating adults with cystic fibrosis?
Isabela Aziz (Niteroi, Brazil), Claudia Da Costa, Isabela Serpa, Vera Abelenda, Monica Firmida, Raphael Jaber, Aignaldo 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 Llor Reyes, David Clofent Alarcón, Mario Culebras Amigo, Eva Polverino

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

Impact of CFTR Modulator Therapy on inflammatory response in Cystic Fibrosis: A longitudinal Cohort Analysis
Andrew England (Belfast, United Kingdom), Stuart Elborn, Gisli Einarsson, Giulia Spoletini, Ian Clifton, Barry Devereux, Michael Tunney, Daniel Peckham

The association of bone mineral density and body composition, lung functions and functional exercise capacity in adults with cystic fibrosis.
aynur demirel (ankara, Turkey), Aysu Yalman, Oğuz Karcioglu, Ebru Damadoglu, Naciye Vardar Yagli

Impact of triple Cystic Fibrosis Transmembrane regulator (CFTR) modulator on bone density in Cystic Fibrosis (CF): a retrospective analysis
Lucy Carson (Cambridge, United Kingdom), Tom Forshall, Samantha Henman, Uta Hill

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

Pregnancy outcomes in CF before and after introduction of CFTR gene modulator therapy
Ruth Cadé (Manchester (Greater Manchester), United Kingdom), Rebecca Watson, Mahin Ahmed, Dilip Nazareth, David Cox, Dyam Dickens, Fiona Howie

Evaluation of treatment satisfaction and related factors in adult cystic fibrosis patients
Esen Deniz Akman Ar (Ankara, Turkey), Nadir Yalcin, Duygu Aydin, Ebru Damadoglu, Ali Fuat Kalyoncu, Kutay Demirkiran

PS-23  Session  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
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 Desoyza, Montserrat Vendrell, Pierre-Regis 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

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, Montserrat Vendrell, Pierre-Regis 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, Stuart Elborn, Pieter Goeminne, Stefano Aliberti, James 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 Polelli, Salvatore Battaglia, Francesco Blasi, Martina Bonifazi, Raffaele Campisi, Marianna Cicchetti, Vittoria Campetti, Valentina Conio, Claudia Crimi, Claudia Duranti, Andrea Gramegna, Donato Lacedonia, Martina Lo Casto, Martina Marchello, Lucrezia Pisani, Michelva Seravini, Mariarosaria Vulpi, 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, Jesica Mazza-Stalder

Bidirectional association between bronchiectasis and chronic periodontitis: A nationwide, population-based cohort study
Sungmin Zo (Seoul, Republic of Korea), Hyun Lee

The profile of blood methylation is associated with disease severity in bronchiectasis
Lidia Perea (Barcelona, Spain), Julieta Viglino, Belén Solarat, Núria Mendoza, Sandra Casas-Recasens, Pilar Martínez-Olendar, Pau Marrades, Rosanell 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 Wielhm, 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 Swannakaer, 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, Antoni Torres, Josse 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, Antoni Torres, Tobias Welte, Francesco Blasi, Josse Altenburg, Pieter Goeminne, Stefano Aliberti, James Chalmers

PS-22 Session 08:00 - 09:30
Poster session: Tuberculosis treatment and management updates
Method(s): Public health  Epidemiology  General respiratory patient care  Imaging
Disease(s): Airway diseases
Chairs: Olha Konstantynovska (Kharkiv, Ukraine), Chair to be confirmed

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

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

Post-Bedaquiline era in Brazil: impact on adverse events and treatment outcomes.
Cristovão Jorge Benace Junior (Rio de Janeiro, Brazil), Janaina Aparecida De Medeiros Leung, Fernanda Carvalho De Queiroz Mello, Ana Paula Santos

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, Quyu Pan, Xiaoqiu Liu, John Walley, Jun Hu

Hyponatremia and treatment outcomes in patients with tuberculosis
Hong-Joon Shin (Gwangju, Republic of Korea), Chan-Woo Park, Yong-Soo Kwon

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

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

Clinical features and prognosis of 206 children with pulmonary tuberculosis
Huimin Li (Beijing, China)

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, Barbora Seabra
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-Sheremeta, Oleksandr Varunkiv, Alla Zuban, Nadiia Kozh, Uliana Shevchuk-Budz

Features of the BPaL triage routine practice algorithm in Bit-TB regions of Ukraine
Natalia Lytvynenko (Київ, Ukraine), Maryna Pogrebna, Kyryl Stekhin, Iana Terleeva, Olesya Medvedieva, Darya Levandovska, Yuliia Shpak, Viktoriya Yatsenko, Natalia Voronina, Svitlana Tiahlo, Ruslana Tupychak, Olecsandr Zubal, Liana Kovytnyvych, Sergii Samchenko, Yurii Gamazin

TB severity during COVID-19 pandemic in patients admitted in a tertiary clinic for lung diseases in Romania
Traian Constantin Paniciu (Constanta (Constanta), Romania), Dragos Baceanu, Diana-Sabina Tiba, Simona-Maria Rosu, Ioana Dedyszin, Silviu Mihail Dumitru, Elmira Ibraim, Dragos Cosmin Zaharia, Irina Strambu, Beatrice Mahler

Rifampicin-resistant tuberculosis in Spain. Description of a patients cohort.
Jose Maria Garcia Garcia (Candas (Asturias), Spain), Maria Teresa Rodrigo Sanz, Jose Antonio Gullon Blanco, Xavier Casas Garcia, Joan Puu Millet Vilanova, Sara Quiros Fernandez, Elena Martinez Robles, Alberto Mangas Moro, Miguel Jose Martinez Lirola, Angel Dominguez Castellano, Enrique Navas Elorza, Magnolia Nieto Marcos, Francisco Sanz Herrero, Francesca Arasa Panisello, Isabel Suarez Toste, Jose Joaquin Cebrian Gallardo, Manuel Garcia Cabrera, Pilar Bermejue Ruiz, Luis Adolfo Urrelo Cerron, Sofia Samper Blasco, Jose Antonio Caminero Luna, Tuberculosis Members Of Separ Tuberculosis Research Programme

Multidrug-resistant tuberculosis and treatment outcomes in Kazakhstan, Moldova, Ukraine, Georgia, and Kyrgyzstan

6- and 12-month follow-up results after successful BPaL treatment for DR-TB patients in Ukraine
Natalia Lytvynenko (Київ, Ukraine), Yurii Feshchenko, Maryna Pohrebna, Yuliia Senko, Anastasiia Lafeta, Rostyslav Liubeyvych, Mariia Diachenko, Veriko Mirtshchulava, Salah Foraida, Gunta Dravniece, Olena Pavlenko, Oleksii Kosyvchenko, Yana Terleieva, Yurii Gamazin

Multidrug-resistant tuberculosis and diabetes mellitus
Lilia Todoriko (Chernivtsi, Ukraine), Ihor Semianiv, Inga Yeremenchuk, Olena Pidverbetska

Therapeutic outcomes of Bedaquiline containing oral regimens for Drug resistant tuberculosis
VIJAY KUMAR (Varanasi, India), Upinder Kaur, Mohit Bhat, Jai Krishn Mishra

The effectiveness of pulmonary tuberculosis treatment during the COVID-19 pandemic
Ruzilya Usmanova (Тashkent, Uzbekistan), Nargiza Parpieva, Irina Liverko, Ilhomjon Butabekov, Revaz Kokhodze, Yuliya Dolgusheva, Mahliyo Muhamedova, Sharaf Yuldashe, Khasan Safaev

Poster session: Inhaler devices: environmental impact, technique and adherence

**Session** 08:00 - 09:30

**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)

- **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 Allegri, Francesca Buttini, Federico Lavorini

- **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

- **Breathing parameters of COPD patients through two dry powder inhalers**
  Izolda Réti (Budapest, Hungary), Botond Havadóti, Norbert Ilyés, Arpad Farkas, Alpár Horváth, János Tamás Varga, Péter Czaun, Gabriella Gálffy

- **Inhalation through two mini-sizer-inhaler technique training devices: An in-vitro aerosol delivery comparative study**
  Wesam Ammari (Amman, Jordan), Dunya Oda
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

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

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 Sairanen, Mikko Vahteristo, Lauri Lehtimäki

Single-inhaler triple therapy improves small airway dysfunction in moderate to severe asthma.
Yumi Fujita (Shizuoka, Japan), Toshihiro Shirai, Taisuke Akamatsu, Shogo Sakurai

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

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, Ruiqi Zhang, Michael Pollack, Shruti Menon

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 Kalmert (München, Germany), Martja 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 (esSITT) in patients with asthma-TriMaximize Study
Christian Gessner (Leipzig, Germany), Valentina Bogoevska, Detlef Nachtigall, Richard Russell, Charlotte Suppli Ulrik, Wolfgang Pohl, Vicente Plaza, Arnaud Bourdin, Carl-Peter Créée, 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, Lucía Alvarez Muro, Celia Crespo Jiménez, Angel Almanza 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 Noordhyn (Mississauga, Canada), Kai-Michael Beeh, Dhvani Shah, Alan Martin, Robyn Kendall, Priyadarsini Dasari, Afisi 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, Cinnamon 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, Liisa 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

Sputum induction in patients with chronic cough
Elżbieta Magdalena Grabczak (Warszawa, Poland), Marta Dąbrowska, Katarzyna Bialek-Gosk, Patrycja Nejman-Gryz, Paulina Misnikiewicz-Stepień, Magdalena Paplińska-Goryca, Rafał Krenke

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, Alyn Morice

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, Lorcan Mcgarvey, Jaclyn Smith, Woo-Jung Song, Daiana Stolz, Janwillem Kocks, Paul O'Byrne, Imran Satia

Severity grading of the Leicester Cough Questionnaire in chronic cough
Heikki Koskela (Kuopio, Finland), Johanna Kaulamo, Anne Lätti

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

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

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

Response to Gefapixant in the Cough Clinic: A Real-world Study
Kayleigh Brindle (Cottingham, United Kingdom), Dominic Sykes, Louise Gregory, Jennifer Nielsen, Alyn Morice

Cough-aggravating factors in major pulmonary diseases
Taisuke Akamatsu (Shizuoka, Japan), Yutaro Kishimoto, Shogo Sakurai, Toshihiro Shirai

Airway mucus plugs in chronic cough- preliminary study.
Olga Truba (Warszawa, Poland), Joanna Zuchowska, Marta Dąbrowska

Electronic cough recording: How to better reflect the patient experience?
Alyn Morice (Cottingham, United Kingdom), Kayleigh Brindle, Steve Pawsey, Syed Kazmi
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

Diagnostic yield of flexible bronchoscopy and bronchoalveolar lavage in children with chronic cough.
Lyzzette Garcia (Toronto, Canada), Lisa Avery, Fiona Kritzinger

The Sensations and Triggers of Coughing in Refractory/Uexplained Chronic Cough
Jenny King (Manchester (Greater Manchester), United Kingdom), James Wingfield-Digby, Shannon Galgani, Rachel Dockry, Kimberley Holt, Joanne Mitchell, Jaclyn Smith, Paul Marsden

A Comprehensive Survey of Chronic Cough Management Among Healthcare Professionals in Southern Italy
Silvano Dragonieri (Bar, (BA), Italy), Alessio Marinelli, Leonardo Maselli, Enrico Buonomico, Alessandro Palumbo, Fabrizio Diaferia, Alessandro Capuano, Giovanna Elisiana Carpagnano

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 Drummond Freitas (Maia, Portugal), Matteo SICILIANO (ROMA, Italy)

Pregnancy and sleep symptoms - where does respiratory disease start?
Jorge Daniel Ambrósio Montês (Lisbon, Portugal), Mónica Grañino, Ana Alfaiate, 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 Antonanglia (Trieste (TS), Italy), Gloria Maria Citton, Antonio Fabozzi, Alessia Steffanina, Silvia Giannone, Mattia Lugi Manna, Giulia Prezioso, Francesco Salton, Barbara Ruaoro, Paolo Palange, Marco Confalonieri

Sex differences in obstructive sleep apnoea severity, symptoms, and polysomnographic features: The Turkish Sleep Apnoea Database (TURKAPNE) Study
Aylin Pihtili (Istanbul, Turkey), Esen Kiyan, Aykut Cilli, Baran Balcan, Nejat Altintas, Aylin Ozsancak Ugurlu, Hikmet Firat, Ozan 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 Zaïen, 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, Ziyang Liu, Peng Li, Na Yu, Wei Wang

Prevalence of obstructive sleep apnoea in patients with difficult-to-treat asthma
Kristina Zihelr (Ljubljana, Slovenia), Peter Kopač, Irena Šarc

Utilizing machine learning-based cluster analysis for sleep phenotypes identification in COPD patients
Pegah Soltani Samani (Tehran, Islamic Republic of Iran), Amir Sharaikhaneh, Nicola A. Hannia, Sara Nowakowski, Ritwick Agrawal, javad razjouyan

The effect of hospitalization on sleep quality and insomnia in COPD patients
Canan Gunduz, Muhsin Umut Okay, Ahmet Dilaver, Rumeyza Sonmez, Dilem Anil Tokyay, Ayşem Aşkım Özsun Guven, Selma Aydogan Eroğlu
**Triple trouble – new insights in the COPD-OSA overlap syndrome**
Daniel Hansson (Gothenburg, Sweden), Lowie Vanfleteren, Anders Andersson, Ding Zou, Jan Hedner, Ludger Grote

**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

**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, Sunmin Park, Seok Jeong Lee, Suk Joong Yong, Won-Yeon Lee, Sang-Ha Kim, Ji-Ho Lee

**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, Pratibha Dogra, Prerana Garg, Nikita Jajodia, Deepak Talwar, Virendra Singh, Nishtha Singh, Bp Singh, Prabhat Sahai, Samir Sahu, Manoj Goel, Dipti Gothi, Sonia Dalal, Suryakant Tripathi, Deependra Rai, Saurabh Karmakar, Prabhu Desai, Mahavir Modi, Indranil Halder, Paramje Ar, Raja Dhar, Milind Sovani, David Cunnington

**Does the PSQI correlate with Polysomnography in an Indian population?**
Lancelot Pinto (Mumbai, India), Shivarri Desai, Soumik Kalita, Shobha Iyer, Apurva Halbe, Jagmeet Madan, Shobha Udipi, Rama Vaidya, Ashok Vaidya

**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.**
Sotiros Zarogiannis (Larisa, Greece), Efthmios Fountas, Petros Kassas, Georgios Vavougios, Chrissi Hatzoglou, Konstantinos Gourgoulisian

**Sleep Environment in an Tertiary Intensive Care Unit during a Double-Blind Randomized Controlled Trial**
Samer Najem (Pontoise, France), Aline Hajj, Sabrina Redninec, Marc Raad, Andrea Maalouf, Albert Riachy, Ali Rammal, Rita Khoury, Fabienne Hajj Moussa Letif, Ifah Ibrahim, Jocelyne Abou Jouade, Roula Bou Serhal, Ghassan Slelaty, Jamile Douaihly, Tamine Missoud, Moussa Riachy

**Chronotype Variations in Sleep Apnea Patients:Co-Existing Symptoms & Comorbidities**
Nikolaos Athanasiou (Athens, Greece), Vassilis Vlahakos, Miltiadis Chrysanthidis, Christina Klamenakou, Eleni Giorgi, Spyridoula Andrioti, Maria Georgakopoulou, Emmanouil Vagiakis, Georgia Trakada

**PS-29 Session 08:00 - 09:30**
*Poster session: Pathophysiology and risk assessment in pulmonary arterial hypertension*

**Disease(s):** Pulmonary vascular diseases  Sleep and breathing disorders

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

**Tag(s):** Translational

**Chairs:** Stéphanie Saxer (Zürich, Switzerland), Benjamin Egenlauf (Heidelberg, Germany)

**The spectrum of systemic sclerosis-associated pulmonary hypertension (SSc-PH): insights from the ASPIRE registry**
Howard Smith (Newport-on-Tay, United Kingdom), Roger Thompson, Mohammed Akil, Samer Alabed, Athanasios Charalampopoulos, Krit Dwivedi, Charlie Elliot, Abdul Hameed, Ashraf Ali Haque, Judith Hurdman, David Kiely, Rachael Kilding, Kar-Ping Kuet, Alex Rothman, Andy Swift, Robin Condliffe

**SSc-PAH patients are at risk of disease progression in contemporary clinical practice**
Hilde Jenssen Bjørkekjær (Kristiansand, Norway), Cosimo Bruni, Cathrine Brunborg, Patricia Carreira, Paolo Airò, Carmen Pilar Simeón-Aznar, Marie-Elise Truchetet, Alessandro Giollo, Alexander Balbir-Gurman, Michael Martin, Christopher P Denton, Armando Gabrielli, Håvard Fretheim, Helge Bitter, Øyvind Midvedt, Kaspar Broch, Arne Andreassen, Sverre Hoeie, Yoshiya Tanaka, Gabriella Riemekasten, Ulf Müller-Ladner, Marco Matucci-Cerinic, Ivan Castellvi, Elise Siegert, Eric Hachulla, Øyvind Mølberg, Oliver Distler, Anna-Maria Hoffmann-Vold

**Prognostic value of follow-up cardiopulmonary exercise testing in pulmonary arterial hypertension**
Andrea Baccelli (London, United Kingdom), Rocco Rinaldo, Rachel Davies, Francesco Lo Giudice, Beatrice Vigo, Wendy Gin-Sing, Gulammehd Haji, Stefano Centanni, Luke Howard

**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, Saul Vazquez-Lopez, Yuri Noemi Pou-Aguilar
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

Characteristics and outcomes of gemcitabine-associated pulmonary hypertension
Pierre Mouillot (Dijon, France), Nicolas Favrolt, Charles Khouri, Aurélie Grandvuillemin, Marie-Camille Chaumannais, Déborah Schenesse, André Seferian, Xavier Jais, Laurent Savale, Guillaume Beltramo, Olivier Sitbon, Jean-Luc Cracowski, Marc Humbert, Marjolaine Georges, Philippe Bonniaud, David Montani

Evaluating the socioeconomic burden of pulmonary arterial hypertension on employment and workplace productivity: A Canadian, cross-sectional study
Brandon Buddhram (Calgary, Canada), Jamie Myrah, Cynthia Westerhout, Courtney Gubbels, Wendimagegn Alemayehu, Evelyn Budd, Ted Abraham, Jason Weatherald

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 Xanthoulis, Nicola Benjamin

Evolution of the incidence of pulmonary arterial hypertension (PAH) in patients with HIV infection over the past 15 years.
Elise Puel (Cadaujac, France), Gwenael Le Moal, Jean-Claude Meurice, Magali Croquette, Vanessa Bironneau, Elisa Larrieu, Athenais Boulcy, Marc Humbert, David Montani, Laurent Savale, Olivier Sitbon, Etienne-Marie Jutant

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

Comparing the PAH patients according to their DLCO: results from a Greek PH center.

Nocturnal oxygen desaturation in precapillary pulmonary hypertension
Oksana Kalashnykova (Dnepr, Ukraine), Larisa Vasilyeva, Nadiia Ivchyna

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 Escrivano Subías, Josefa Jiménez Arjona, Rafael Bravo-Marqués, Águeda Aumentetxe Pérez, Ana Torrents, Guillermo Torroba, Isabel Blanco

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 Litschauer, Roza Badr Eslam

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 Quayder

The utility and safety of one-minute sit-to-stand test in pulmonary hypertension: a prospective study
Kenichiro Takeda (Chiba, Japan), Ayako Shigeta, Takeshi Inagaki, Nami Hayama, Chiaki Kawame, Yasuyuki Naraki, Akira Naito, Ayumi Sekine, Rika Suda, Toshihiko Sugita, Takuji Suzuki

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

Sex-specific differences in echocardiographic parameters of risk stratification in pulmonary arterial hypertension
Ekkehard Grünig (Heidelberg, Germany), Satenik Harutyunova, Nicola Benjamin, Veronika Schiffer, 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, Wendimagegn Alemayehu, Evelyn Budd, Ted Abraham, Jason Weatherald

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)

Clinical, spirometric, radiological characteristics and disease biomarkers in a silicosis patients cohort in north Sardinia-Italy
Barbara Piras (Sassari, Italy), Elisabetta Zinellu, Eneta Albrahimi, Antonia Lecerase, Vanessa Bacile, Sara Solveig Fois, Biagio Di Lorenzo, Stefano Zoroddu, Alessandro Giuseppe Fois, Angelo Zinellu, Pietro Pirina

Artificial Stone Silicosis: the first UK case series
Johanna Feary (London, United Kingdom), 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

Frequency of rheumatic diseases, tuberculosis and premature deaths and related factors in patients with silicosis
Özlem Kar Kurt (ZEYTINBURNU, Turkey), Seyma Karaketir, Derya Giakoup, Elif Altundas Handan, Zeki Kılıçaslan

A retrospective cohort study of interstitial lung abnormalities in pneumoconiosis
Qiao Ye (Beijing, China), Ziyun Guo, Yuanying Wang, Di Sun, Yawen Song, Xuqin Du

Cases of pneumoconiosis in workers working on Teflon-coating.
Daeho Kim (Incheon, Republic of Korea), Wonsheok Cha

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

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

Glycolysis alteration dependent silica-induced NLRP3-dependent pyroptosis through promoting lactylation modification.xiaojie you (Wuhan, China), Yujia Xie, Pei Gu, Yingdie Zhang, Shiyu Yang, Jixuan Ma, Weihong Chen

Mode of actions of nanomaterial-induced respiratory toxicity
Carola Voss (Neuherberg, Germany), Lianyong Han, Meshal Ansari, Maximilian Strunz, Verena Haefer, Ilia Angelidis, Christoph Mayr, Trine Berthing, Carol Ballesster-Lopez, Thomas Conlon, Qiongliang Liu, Hongyu Ren, Zhou, Ottmar Schmid, Ali Önder Yıldırım, Markus Rehberg, Ulla Vogel, Janine Gote-Schniering, Fabian J. Theis, Herbert B. Schiller, Tobias Stoeger

Effects of silica dust from silica agglomerates counteracts in cellular signalling pathways
Antonio Campos-Caro (Cádiz, Spain), Alejandro Garcia- Nuñez, Gema Jiménez-Gómez, Antonio Leon Jimenez

Single-Cell RNA Sequencing Identifies Spp1+ Macrophage Subpopulation as a Target for Alleviating Silica-Induced Pulmonary Fibrosis.
Di Sun (Beijing, China), Yuanyin Wang, Ruimin Ma, Jingwei Wang, Qiao Ye

Compositional changes in pulmonary surfactant among welding fume exposed associated with oxidative stress and inflammation
Alexander Holm (Gothenburg, Sweden), Sanna Kjellberg, Per Larsson, Linus Schöller, Mats Josefsson, Anna-Carin Olin

Welding fumes and COVID-19 – a dangerous liaison
Sanna Kjellberg (Trollhättan, Sweden), Alexander Holm, Spela Kokelj, Anna-Carin Olin

Evaluation of occupational and environmental exposures and related findings in patients with sarcoidosis
Özlem Kar Kurt (ZEYTINBURNU, Turkey), Elif Altundas Hatman, Burcu Babaoglu Elkatroutshi, Erdoğan Çetinkaya

Radiation-induced Lung Cancer in victims of The Chornobyl NPP accident in the remote postaccidental period
Viktor Sushko (Kyiv, Ukraine), Olena Kolosynska, Olena Apostolova, Stanislav Ustinov
Short latent period of chronic silicosis: a case series
Shlomo Moshe (Rishon Letzion, Israel), Yael Ofri Sahar Kostis, Rachel Raan

A case series on Silicotic Broncho-stenosis
Velraj Ravichandran (Salem, India)

Clinical and Epidemiological Profile of Patients with Pulmonary Silicosis at Hassan II Hospital in Agadir
Oussama HALLOUMI (AGADIR, Morocco), Aboubakr Imzil, Selma Abdala, Hind Serhane

Evaluating the impact of coal-fired thermal power plants on morbidity in Yatağan, Türkiye
Selin Çakmakci Karakaya (Ankara, Turkey), Sebahat Genç, Sabri Serhan Olçay, Merve Erçelik Konçak, Deniz Gümüşel, Jale Yağız, Nilüfer Aykaç, Ahmet Üğur Demir, Ozan Devrini Yav, Ali Kocabaş, Ali Osman Karaba

Assessment of health and environmental risk perception in a Tunisian population: A cross-sectional survey
Besma Hamdi (Tunis, Tunisia), Sabrine Louhaichi, Sarra Trimech, Yasmine Haddar, Aymen Jebali, Aymen Jebali, Jamel Ammar, Agnès Hamzaoui

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, 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)

08:30 Anti-inflammatory reliever in clinical practice in asthma: how to implement in the background of GINA?
Anneke ten Brinke (Leeuwarden, Netherlands)

08:45 Biological therapy in asthma: how to deal with the many options available
Florence Schleich (Liège, Belgium)

09:00 Dual phosphodiesterase 3 and 4 inhibitors: the new kind of COPD blocker?
Paola Rogliani (Roma (RM), Italy)

09:15 Biologics in COPD a recipe for failure or success?
Christopher E. Brightling (Leicester (Leicestershire), United Kingdom)

09:30 Discussion and Q&A

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)
<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker/Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:30</td>
<td>Molecular and histo-morphological insights informed by deep phenotyping and artificial intelligence in mesothelioma</td>
<td>Speaker to be confirmed</td>
</tr>
<tr>
<td>08:45</td>
<td>Anatomical staging and immunologic phenotypes in mesothelioma: implications for trial design and treatment planning</td>
<td>Kevin Blyth (Glasgow (Glasgow), United Kingdom)</td>
</tr>
<tr>
<td>09:00</td>
<td>The role of therapeutic combinations involving surgery post-MARS2</td>
<td>Didier Schneiter (Zürich, Switzerland)</td>
</tr>
<tr>
<td>09:15</td>
<td>The changing systemic therapeutic landscape in mesothelioma: stratified therapy and long-term outcomes from immunotherapy</td>
<td>Dean Anthony Fennell (Leicester (Leicestershire), United Kingdom)</td>
</tr>
<tr>
<td>09:30</td>
<td>Discussion and Q&amp;A</td>
<td></td>
</tr>
</tbody>
</table>

### C6 (live-streamed) Session 08:30 - 10:00

**Symposium: Right heart failure in pulmonary hypertension**

**Cournand lecture session. Imaging and molecular mechanisms**

**Aims:** 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)

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker/Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:30</td>
<td>Artificial intelligence tools to standardize right heart imaging</td>
<td>Andy Swift (Sheffield (South Yorkshire), United Kingdom)</td>
</tr>
<tr>
<td>08:45</td>
<td>Right ventricular sequencing: what can we learn from failure?</td>
<td>Soni Savai Pullamsetti (Giessen, Germany)</td>
</tr>
<tr>
<td>09:00</td>
<td>BMP/TGFbeta signaling and right heart failure</td>
<td>Frances S. de Man (Amstelveen, Netherlands)</td>
</tr>
<tr>
<td>09:15</td>
<td>Why the right heart should be a concern for the pulmonologist</td>
<td>Khodr Tello (Lich, Germany)</td>
</tr>
<tr>
<td>09:30</td>
<td>Discussion and Q&amp;A</td>
<td></td>
</tr>
</tbody>
</table>

### C1 (live-streamed) Session 08:30 - 10:00

**Hot topics: Chronic Respiratory Disease Burden in Europe: Towards health equity in 2050**

**WHO and ERS recent outputs**

**Aims:** To summarize recent outputs of the ERS and 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, learn on new developments for these and other respiratory conditions, and expand the respiratory collaborators network. 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 Global Burden of Disease (GBD) 2021, the International Respiratory Coalition, and other international initiatives, focus on population-based chronic respiratory disease findings, research cooperation and future developments. A brief, attractive 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)

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker to be confirmed</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:30</td>
<td>Introduction</td>
<td>Speaker to be confirmed</td>
</tr>
</tbody>
</table>
### A2 (live-streamed) Session 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 disease, 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)

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:30</td>
<td>Unveiling the role of resident immune cells in respiratory disease</td>
<td>Martijn C. Nawijn</td>
</tr>
<tr>
<td>08:45</td>
<td>Metabolic regulation of immune cells in COPD</td>
<td>Theodore Kapellos</td>
</tr>
<tr>
<td>09:00</td>
<td>The fibroblast-lymphocyte-stem cell axis and regulation of inflammation and regeneration</td>
<td>Nancy Allen</td>
</tr>
<tr>
<td>09:15</td>
<td>The impact of metabolic reprogramming on lung tissue repair</td>
<td>Speaker to be confirmed</td>
</tr>
</tbody>
</table>

**09:30 Discussion and Q&A**

---

### C2 (live-streamed) Session 08:30 - 10:00

**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 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)

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:30</td>
<td>Diagnostic approach to chronic cough in children</td>
<td>Anne Chang</td>
</tr>
<tr>
<td>08:45</td>
<td>Preschool lung function: which test is helpful in clinics?</td>
<td>Shannon Simpson</td>
</tr>
<tr>
<td>09:00</td>
<td>Management of complicated pneumonia in children</td>
<td>Eitan Kerem</td>
</tr>
</tbody>
</table>
**09:15**  
**Lung involvement in systemic diseases: diagnosis and management**  
Sharon Dell (Vancouver, British Columbia, Canada)

**09:30**  
Discussion and Q&A

**Strauss 3 (Studio) Session 09:00 - 09:15**

**News from the studio: News from the studio 2**

*Aims:* Introducing the congress theme

**C4 (live-streamed) Session 09:15 - 10:00**

**Guidelines session: Diagnosis and Management of Pulmonary Alveolar Proteinosis**  
ERS Clinical Practice Guidelines

*Aims:* The aim of this session is to educate the audience on Pulmonary Alveolar Proteinosis and present the recently competed taskforce European Respiratory Society guidelines for the Diagnosis and Management of 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)

**09:15**  
Pulmonary Alveolar Proteinosis: Diagnostic Guidelines  
Francesco Bonella (Essen, Germany)

**09:30**  
Pulmonary Alveolar Proteinosis: Management Guidelines  
Elisabeth Bendstrup (Aarhus N, Denmark)

**09:45**  
Discussion and Q&A

**Strauss 2 Session 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:* Chair to be confirmed

- **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, Silviu T Marc, Francesca Conway, Alexandra N Baikov, Rebecca Wawman, Mark Eastwood, Bavithra Vijayakumar, John Thornton, Jorine E Hartman, Laura Avanzi, Karin Klooster, Jan Lukas Robertus, Dirk-Jan Slobos, 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 Slobos, Frank C Sciruba, Pallav L Shah, Narinder Shargill, Gerard J Criner
### Cryobiopsy under simultaneous confocal laser endomicroscopy guidance for peripheral pulmonary lesions
Daniela Gompelmann (Vienna, Austria), Anastasia Papaporyliou, 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 Posthuma (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
Ley Taing Chan (London, United Kingdom), Christopher M Orton, Kire Temov, Anand Tana, Ilecia Baboolal, Laura Avanzi, Al-Rehan Dhanji, Ashish Karir, Elif S Agaoglu, 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

#### Session A
**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, United Kingdom)

#### Clinical scenarios in paediatric pulmonology: Can large language models fare better than trainee doctors?
Manjith Narayanan (Oadby, Leicester, United Kingdom), Jeremie Juan, Kayla Duverger, David Armstrong, Florian Gahleitner, Kenneth A Macleod, Catherine Mcdougall, Stefan A Unger, Don S Urquhart

#### Application of ChatGPT for clinical decision-making in patients with community-acquired pneumonia.
Diana Livakovska (Vinnytsia, Ukraine), Vitalii Poberezhets, Nataliia Slepchenko, Serhii Livakovskyi

#### Using language models to integrate clinical decision support and note taking: a qualitative study
Amin Adibi (Vancouver, Canada), Rocco Tian Lang Ruan, Xiulun Yin, Yusheng Ding, Karon E. Maclean

#### Predicting Disease Severity using Novel Digital Mobility Outcomes: A Deep Learning Approach in COPD Patients
Dimitrios Megaritis (Newcastle upon Tyne, United Kingdom), Joren Buekers, Laura Delgado-Ortiz, Tecla Bonci, Emily Hume, Christopher Buckley, Lisa Alcock, Encarna Mico Amigo, Philip Brown, Silvia Del Din, Carlos Echevarria, Walter Maetzler, Claudia Mazzà, Lynn Rochester, Judith Garcia-Aymerich, Ioannis Vogiatzis

#### 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 Butterly, Parris J Williams, Michael I Polkey, Daisy Fancourt, Nicholas Hopkinson

#### Analysis of Instagram publications on bronchial asthma and their compliance with GINA
Mariia Tsyben (Vinnytsya, Ukraine), Mariia Matviichuk, Sofiia Matviichuk, Vitalii Poberezhets

#### 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, Sangeul Hahn, Yechan Mun, Yeeun Jeong

#### 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

#### 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

#### Discussion and Q&A
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)

Revealing therapeutically actionable targets in Obstructive Sleep Apnea through machine learning-based miRNome analysis
Thalia Belmonte (Lleida, Spain), Olga Mínguez, María Aguilà, Iván D. Benítez, Lucía Pinilla, Marta Molinero, Anna Moncusi-Moix, Gerard Torres, Olga Mediano, Juan F. Masa, Maria J. Masdeu, Alberto Gómez-Carballa, Antonio Salas, Federico Martínón-Torres, Ferrán Barbé, Manuel Sánchez De La Torre, David De Gonzalo-Calvo

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

EFFECT OF OBSTRUCTIVE SLEEP APNEA DURING PREGNANCY ON FETAL DEVELOPMENT: GENE EXPRESSION PROFILE IN CORD BLOOD
Laura Cànaves (Palma de Mallorca, Spain), Aarne Fleischer, Josep Muncunill, Paloma Gimenez, Amanda Iglesias Coma, Ainhoa Alvarez Ruiz De Larrringa, Andrés Sanchez Baron, Mercedes Codina Marcet, Monica De La Peña Bravo, Daniel Morell Garcia, José Peña Zarza, Concepción Piñas Zebrián, Susana García Fernández, Alberto Alonso Fernández

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 Mínguez, María Aguilà, Adriano Targa, Mireia Dalmases, Olga Mediano, Irene Cano-Pumarega, Juan F Masa, Maria J Masdeu, Ferrán Barbé, Manuel Sánchez-De-La-Torre

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

PFKFB3 driven glycolysis mediates inflammation and Leukocyte Extravasation in CIH induced atherosclerosis
Shiqi Li (shanghai, China), Qingyun Li

PSGL-1/SIGLEC-5 and CD39/CD73 axes are dysregulated in obstructive sleep apnea

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

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 Pépin, Adam Benjafiel, Holger Woehrle

Discussion and Q&A
Evaluation of rapid multiplex PCR for investigation of lung microbiology in bronchiectasis – preliminary data from the BRILLIANT study
Lucy Bidgood (Dundee, United Kingdom), Hollian Richardson, Daniela Alferes De Lima Headley, Chandani Hennayake, Thomas Pembbridge, Emma Johnson, Holly Lind, Morwen Shuttleworth, Kateryna Viliigorska, Erin Cant, Megan Crichton, Helen Liddicoat, David Connell, Amelia Shoemark, Eve McIntosh, Kris Ostrftime, Adam Platt, Maria Belvisi, Merete Long, Alison J Dicker, James Chalmers

Cardiovascular events in patients with bronchiectasis: Data from the European Bronchiectasis Registry (EMBARC)
Benjamin JaaMing New (Dundee, United Kingdom), Jamie Stobo, Stefano Aliberti, Josje Altenburg, Francesco Blasi, Wim Boersma, Pierre-Régis Burgel, Megan L Crichton, Anthony De Sozyza, Katerina Dimakou, J Stuart Elborn, Pieter C Goeminne, Charles S Haworth, Adam T Hill, Michael R Loebinger, Rosario Menendez, Marlene Murriss, Eva Polverino, Felix C Ringshausen, Michal Shteinberg, Antoni Torres, Montserrat Vendrell, Tobias Welle, Robert Wilson, James D Chalmers

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 Sozyza, Montserrat Vendrell, Pierre Régis Burgel, Charles S Haworth, Michael R Loebinger, Katerina Dimakou, Marlene Murriss, Robert Wilson, Adam T Hill, Rosario Menendez, Antoni Torres, Tobias Welle, Francesco Blasi, Josje Altenburg, Michal Shteinberg, Wim Boersma, J Stuart Elborn, Pieter C Goeminne, Stefano Aliberti, Felix C. Ringshausen

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, Alison Dicker, Hollian Richardson, Pieter Goeminne, Charles Haworth, Merete Long, James Chalmers

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), Micheál Mac Aogáin, Tavleen Kaur Jaggi, Amelia Shoemark, Mau Ern Poh, Mariko Siyue Koh, John Arputhan Abisheganaden, Francesco Blasi, Stefano Aliberti, James D Chalmers, Sanjay H Chotirmall

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

Lehar 3 Session 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)

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 Bommart, Nicolas Molinari

Time to first moderate or severe COPD exacerbation with tezepelumab (COURSE)
Dave Singh (Manchester, United Kingdom), Christopher E Brightling, Klaas 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 Goląbek, Nestor A Molfino, Sandhia S Ponnamrribil

ERS Congress 2024
DETAILED PROGRAMME
MONDAY 09 SEPTEMBER, 2024
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

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

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, Carly Austin, Salman Siddiqui, Jordan Mar, Joseph Arron, David Choy, Peter Bradding

Inhaled Corticosteroid Treatment Reduces Airway Adaptive Immune Cells in Asthma
Daisy Bornesund (Lund, Sweden), Lise Lotte Eriksen, Asger Sverrild, Celeste Porsbjerg, Morten Hvidtfeldt, Jonas Erjefalt

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, Changning 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 Adivikolanu, Malinda Longphre, Junying Wang, Jili Yun, Wuban Pan, Zheng Wei, Raul Collazo

Discussion and Q&A

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.

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)

10:15 Multiple subsolid and solid lung nodules: radiological determinants for identifying targets for invasive procedures or surveillance
Walter De Wever (Leuven, Belgium)

10:30 Multiple lung nodules management: artificial intelligence determinants for identifying targets for invasive procedures or surveillance
Speaker to be confirmed

10:45 Multiple lung nodule management algorithms in real life: grey zones as an opportunity to advance early lung cancer detection or overdiagnosis?
Martina Koziar Vasakova (Praha 10, Czech Republic)

11:00 Multiple lung nodules: the surgeon's cut
Marco Nardini (Leeds, United Kingdom)

11:15 Discussion and Q&A
Symposium: Remission and response in asthma and chronic obstructive pulmonary disease

**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

Symposium: No cell is an island: clinical implications of immunological crosstalk in the lung

The stromal-epithelial-lymphocyte-epithelial stem cell network in the lung and implications for airway disease

**Aims:** To introduce the stromal-epithelial-lymphocyte-epithelial stem cell network in the lung; 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)

10:15 Enhancing communication between bronchial epithelial cells and the T2 response as a therapeutic approach for airway disease  
Lena Uller (Lund, Sweden)

10:30 Neutrophils restrain allergic airway inflammation by limiting ILC2 function and monocyte-dendritic cell interactions  
Robert Snelgrove (London, United Kingdom)

10:45 Unveiling the impact of macrophage-alveolar epithelial cell paracrine crosstalk in viral infection  
Susanne Herold (Gießen, Germany)

11:00 The role of lymphatic endothelial cells in modulating autoimmunity in emphysema  
Hasina Outtz Reed (New York, United States)

11:15 Discussion and Q&A

Hot topics: Overcoming the challenges of increasing urbanisation on respiratory health

**Aims:** This hot topic session aims to identify how future city life around the world may pose potential for improved respiratory health. While researchers often focus on adverse outcomes, we will in this session focus on beneficial outcomes – on how we can put our knowledge on risk factors to use and flip harms to benefits for an improved respiratory future. The session will describe such potential in lifestyle factors and in 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)

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

C6 (live-streamed) Session 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)

10:15 RSV in infants and children: addressing the burden of severe acute respiratory infection
Speaker to be confirmed

10:30 Exploring the link between RSV infection in early life and long-term respiratory health
Heather Joy Zar (Johannesburg, South Africa)

10:45 RSV-related disease in adult populations: developing strategies for management and prevention
Joanne Wildenbeest (Utrecht, Netherlands)

11:00 RSV vaccination and immunoprophylaxis: realising the potential for protection of young children
Ruth Karron (Baltimore, United States)

11:15 Discussion and Q&A

C2 (live-streamed) Session 10:15 - 11:45
Clinical cases: Lungs on fire: paediatric respiratory diseases

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

Disease(s): Paediatric respiratory diseases, Interstitial lung diseases
Tag(s): Clinical
Chairs: Refika Hamutcu Ersu (Ottawa, Canada), Erol Gaillard (Leicester, United Kingdom), Sejal Saglani (London, United Kingdom)
Discussants: Marielle W.H. Pijnenburg (Rotterdam, Netherlands), David Drummond (Paris, France)
C4 (live-streamed)  
Session  
10:15 - 11:45

Clinical cases: Imaging clinical cases: artificial intelligence and chest imaging: getting the balance right

Artificial intelligence in lung fibrosis imaging and pulmonary nodule management

**Aims**: To explain the roles of AI in lung fibrosis without radiologists and in pulmonary nodule management. Where are we now and what can be expected?

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

**Method(s)**: Epidemiology, General respiratory patient care, Imaging

**Tag(s)**: 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, Respiratory critical care physician, Paediatrician, Pathologist, Patient, Physician in Pulmonary Training, Physiologist, Radiologist, Scientist (basic, translational), Thoracic oncologist, Thoracic surgeon, Journalist

**Chairs**: Cormac McCarthy (Dublin 4, Ireland), Sara Tomassetti (Florence, Italy), Ádám Domonkos Tárnoki (Budapest, Hungary)

---

**10:15**  
**Artificial intelligence and the ILD clinician: risk, benefits and opportunities in chest imaging, incl. Q&A**  
Kevin Brown (Denver, United States)

**10:37**  
**Artificial intelligence-assisted outcome prediction in fibrotic lung disease, incl. Q&A**  
Peter George (London, United Kingdom)

**10:59**  
**Does artificial intelligence help clinicians manage lung nodules?, incl. Q&A**  
Marjolein A. Heuvelmans (Amsterdam, Netherlands)

**11:21**  
**Promises and threats of artificial intelligence in lung cancer screening and image analysis, incl. Q&A**  
Georg Langs (Vienna, Austria)

---

**10:30-11:15**  
**INDUSTRY SKILLS LAB WORKSHOP**  
SEE PAGE 1

**Strauss 3 (Studio) Session**  
10:30 - 10:55

**Experts interview: Race-specific vs race neutral spirometry equations**

**Method(s)**: Pulmonary function testing

**Chairs**: Winfried J. Randerath (Solingen, Germany), Jellien Makonga-Braaksma (Woudenberg, Netherlands)

**10:30**  
**Race-specific vs race neutral spirometry equations**  
Anh Tuan Dinh-Xuan (Paris, France)

**10:45**  
**Discussion and Q&A**

**10:55**  
**Discussion and Q&A**

---

**Strauss 3 (Studio) Session**  
10:55 - 11:20

**Experts interview: Evidence on the role of CPAP therapy in cardiovascular primary and secondary prevention - what we have learnt from RCTs and real world data**

**Disease(s)**: Sleep and breathing disorders

**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)
### Strauss 1 Session 11:00 - 12:15

**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)

<table>
<thead>
<tr>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Socioeconomic deprivation, ethnicity, and health outcomes in preschool children with wheeze in England: a retrospective cohort study</td>
<td>David Lo (Leicester, United Kingdom), Claire Lawson, Clare Gillies, Sharmin Shabnam, Erol Gaillard, Hilary Pinnock, Jennifer Quint</td>
</tr>
<tr>
<td>Mind the gap: ethnicity and clinical outcomes in Primary Ciliary Dyskinesia</td>
<td>Nicola Rowbotham (Derby, United Kingdom), Eleanor Weyell, Svetlana Dubkova, David Adebayo, Priti Kenia, Deepa Patel</td>
</tr>
<tr>
<td>Genome-wide gene-air pollution interaction analysis on asthma in adolescents: a meta-analysis of 5 European birth cohorts</td>
<td>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, Olена Gruzіevas, Gеrаrd Koppеlman, Sylvain Sebert, Еrik Мelé, Маrіe Саndl, Тамаrа Сhіkіsowski</td>
</tr>
<tr>
<td>Association between prenatal and childhood adversity to particulate matter and asthma symptoms in the children of the Cyprus MEDEA Cohort</td>
<td>Nicole Alkhouri (Boston, United States), Veronica Wang, Michael Leung, Stefania Papatheodorou, Pinelopi Anagnostopoulou</td>
</tr>
<tr>
<td>Maternal plant-based diet during pregnancy with allergic and respiratory multimorbidity in childhood</td>
<td>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</td>
</tr>
<tr>
<td>Asthma management in pregnancy and infant respiratory outcomes</td>
<td>Bronwyn Brew Haasdyk (Stockholm, Sweden), Peter Gibson, Adam Collison, Paul Robinson, Peter Sly, Megan Jensen, Annelies Robijn, Joerg Mattes, Vanessa Murphy</td>
</tr>
<tr>
<td>Lung function in children after cancer treatment</td>
<td>Masa Zarkovic (Bern, Switzerland), Christina Schindera, Jakob Usemann, Philipp Latzin, Claudia Kuehni</td>
</tr>
<tr>
<td>Pulmonary function in children after hematopoietic stem cell transplantation: a retrospective analysis</td>
<td>Gabrielle Raffer (Zurich, Switzerland), Christine Schneider, Florian Singer, Florian Wyler, Alexander Moeller, Tayfun Guenguer, Mathias Hauri, Jakob Usemann</td>
</tr>
<tr>
<td>Pulmonary embolism in children: a French national multicentric retrospective cohort study</td>
<td>Pierre Gourdan (Nice, France), Rashad El Hajj, Antoine Tran, Pierrick Cros, Eglantine Hullo, 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</td>
</tr>
</tbody>
</table>

### Discussion and Q&A

### Strauss 2 Session 11:00 - 12:15

**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  
**Chairs:** Clémence Martin (Paris, France), Chair to be confirmed

<table>
<thead>
<tr>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Detection of antibiotic susceptibility in adult people with cystic fibrosis using a metagenomics approach</td>
<td>Sonja van Scheijen (Amsterdam, Netherlands), Anne H. Neerinxc, Els J. M. Weersink, Josje Altenburg, Christof Majoor, Anke H. Maitland-Van Der Zee, Mahmoud I. Abdel-Aziz</td>
</tr>
<tr>
<td>Cystic fibrosis and the role of CFTR in circulating immune cells: a human single-cell atlas</td>
<td>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</td>
</tr>
</tbody>
</table>
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, Elin Hatzagiorgou

A CFTR modulator therapy might improve cilary beating in patients with cystic fibrosis
Céline Kempeneers (Liège, Belgium), Romane Bonhiver, Noemie Bricmont, Maud Piroitte, Marc-Antoine Wuidart, Renaud Louis

Cardiometabolic risk factors in individuals with cystic fibrosis undergoing Elexacaftor/Tezacaftor/Ivacaftor therapy
Gloria Leonardi (Trento, Italy), Gianfranco Alicandro, Massimiliano Ruscica, Andrea Gramaglia, Francesco Blasi

Limited effectiveness of elexacaftor-tezacaftor-ivacaftor on lung hyperinflation in adults with cystic fibrosis
Théo Dhoté (Paris, France), Clémence Martin, Lucile Regard, Reem Kanaan, Nicolas Cartlier, Isabelle Honoré, Johanna Fesenbeckh, Espérit Burnet, Isabelle Fajac, Frédérique Aubourg, Thierry Perez, Jennifer Da Silva, Pierre-Régis Burgel

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

Distal pulmonary arterial remodeling in end-stage cystic fibrosis

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

Discussion and Q&A
Disease trajectory of newly diagnosed patients with pulmonary fibrosis using online home spirometry in the international multicenter I-FILE study
Gizal Nakshbandi (Rotterdam, Netherlands), Catharina C. Moor, Remy L.M. Mostard, Wim Wyuys, Anneke Van Veen, Katerina Antoniou, Vincent Cottin, Markus Polke, Katharina Buschulte, Michael Kreuter, Madelon Vonk, Hilde Jenssen, Zoe Danil, Anna-Maria Hoffmann-Vold, Michael T Durheim, Peter Saunders, Lisa G. Spencer, Philip L. Molyneaux, Marlies. S Wijsenbeek

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)

Discussion and Q&A

A3 Session 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 patient care classes on lung cancer patients’ outcomes: Matched-case analysis
Matar Alzahrani (Birmingham, United Kingdom), Rajnikant Mehta, Salma Kadiri, Saffuna Algaeed, 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 Bonnevie, 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 Tammm, 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, Louise 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 Tammm, 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

Discussion and Q&A
Oral presentation: Factors influencing clinical lung physiology: what’s new?

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

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

**Tag(s):** Clinical

**Chairs:** Ioannis Vogiatzis (Blyth, United Kingdom), Gareth Hynes (Oxford (Oxfordshire), United Kingdom)

**Does vaping impair lung function in young adults?**
Sanja Stanojevic (Halifax (NS), Canada), Mei Ha Yung, David Yabar, Noah Johnson, Hanna Stewart, Olivier D. Laflamme, Geoffrey Maksym, Mateos-Corral Dimas, Asbridge Mark

**Association of lung function with visceral adiposity and skeletal muscle mass considering myosteatosis**
Young Ju Jung (Seoul, Republic of Korea), Min Jung Lee, Eun Hee Kim, Sung-Jin Bae, Hong-Kyu Kim

**Evaluation of FEV1Q in three Global South populations: a race-neutral approach to lung function assessment**
Arafah Aboelhassan (Assiut, Egypt), Trishul Siddharthan, William Checkley, John R Hurst And On Behalf Of The Geco Collaborators

**Electrical impedance tomography of the lungs – does biological sex affect the findings?**
Inez Frerichs (Kiel, Germany), Claas Händel, Tobias Becher, Dirk Schädler

**Determinants of isolated reduction of diffusing capacity for carbon monoxide**
Andrei Malinovschi (Uppsala, Sweden), Viktör Hamrèfors, Anders Blomberg, Lennart Persson, Magnus Sköld, Kjell Toren, Per Wollmer

**Title: The utility of gas transfer measurement to identify low total lung capacity**
Chara ALEXIOU (CAMBRIDGE, Greece), Benjamin Knox-Brown, Karl P. Sylvester

**Impaired diffusion at submaximal lung inflation in asthma and COPD patients.**
Sylvia Verbanck (Bruxelles, Belgium), Mike Hughes

**Diffusing capacity for carbon monoxide is significantly associated with plasma proteins independently of obstruction**
Suneela Zaigham (Malmö, Sweden), Xing Wu Zhou, Magnus Dencker, Sophia Frantz, Morten Kraen, Per Wollmer, Andrei Malinovschi

**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**

---

**Strauss 3 (Studio)**

Pro-Con debate: Is the use of new technologies and limited channel devices beneficial in the diagnosis of suspected sleep apnoea?

**Aims:** There are a large number of new measurement methods and diagnostic devices for screening and diagnostics in the field of sleep-related breathing disorders, most of which do not meet the sleep medicine standards for diagnostics and which are used outside the recommended range and whose analysis algorithms are often unknown. Nevertheless, technical innovations and data analysis methods in particular can be of benefit. This pro-con debate will discuss the potential benefits and limitations of new technologies and data analysis methods for automated sleep studies. What are the dangers of Level III and especially Level 4 sleep studies in the wrong setting? What benefits can new technologies and, above all, new analysis algorithms and artificial intelligence in the diagnosis of sleep-related breathing disorders bring us if used in a targeted manner? What benefits can they bring in the age of individualized therapy concepts and for a possible endo- and phenotype-based therapy strategy, or do they rather limit this approach?

**Disease(s):** Sleep and breathing disorders

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

**Target audience:** Adult pulmonologist/Clinician, General practitioner, Medical Technical Assistant, Nurse, Physiologist

**Chairs:** Winfried J. Randerath (Solingen, Germany), Jellien Makonga-Braaksma (Woudenberg, Netherlands)

11:35 **PRO: sleep studies and new technologies can be helpful**
Jean-Louis Pépin (Grenoble, France)

11:50 **CON: Limited channel sleep studies and new technologies cannot be used**
Carolina Lombardi (Milano (MI), Italy)

12:05 **Discussion and Q&A**
Poster session: Biomarkers in the management of airways disease: the search goes on

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

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

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

**Chairs:** Mona Al-Ahmad (Kuwait, Kuwait), Christina Bal (Wien, Austria)

1. **Nasal transcriptomic profiling reveals distinct patterns in Type 2 Asthma**
   
   Simon Kebede Merid (Stockholm, Sweden), Natalia Hernandez-Pachecho, Sophia Björkander, Susanna Kleveland, Gang Wang, Anne-Sophie Merritt, Anna Bergström, Inger Kull, Carsten O Daub, Gerard H. Koppelman, Erik Melén

2. **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

3. **Clustering analysis of asthma patients based on lymphocytes subpopulations: CD4+/CD62lo T cells with a 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

4. **Immune markers in monosensitised and polysensitised patients with allergic airway diseases**
   
   Laura Tamasauskiene (Kauno raj., Lithuania), Brigita Graudauskiene

5. **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

6. **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

7. **Gene-gene interaction networks for SYK in immune cell subsets for allergies and asthma**
   
   Li Gao (Baltimore, United States)

8. **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

9. **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

10. **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

11. **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 Blöndal, Christer Janson, Jonas Lidholm, Lars Mattsson, Andrei Malinovschi, Kjell Alving

12. **T Cell Senescence: A Possible New Phenotype in Patients with Asthma**
    
    Chun Chang (Beijing, China), Huan Liu

13. **Is FeNO a reliable marker for follow-up of patients on anti-IL5 therapy?**
    
    Raquel Alexandra Dos Santos Silva (Setúbal, Portugal), Joana Marques Simões, Carlos Lopes, Henrique Cabrita, Alda Manique, Cristina Bárbara

14. **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
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

Elevated serum IL-36 subfamily levels impact on asthma control
Yuki Hoshino (Saitama, Japan), Tomoyuki Soma, Tatsuhiko Uno, Reina Ishii, Kazuki Katayama, Hidetoshi Iemura, Erika Naitou, Yoshitaka Uchida, Kazuyuki Nakagome, Makoto Nagata

Elevated Neutrophil-to-Lymphocyte Ratio Is Associated with Severe Asthma Exacerbation
Hana Blibech (Ariana, Tunisia), Line Kaabi, Houda Snene, Donia Belkhir, Sabrine Elfidha, Sirine Kheimir, Bochra Karaborni, Nadia Mehir, Sameh Belhaj, Nozha Ben Salah, Bechir Louzir

Association between red blood cell distribution width and in-ICU mortality in asthmatic patients: A cohort study
Jun Wen (Chongqing, China), Shuliang Guo

Characteristics of severe asthma patients requiring ICU treatment across the SHARP CRC

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

Poster session: Advances in biological therapy for asthma

Disease(s): Airway diseases, Pulmonary vascular diseases
Method(s): General respiratory patient care
Tag(s): Clinical

Pharmacokinetics of AZD8630/AMG 104 inhaled anti-TSLP in healthy adults and asthma patients
Sara Asimus (Molndal, Sweden), Waqas Muhammad Sadiq, Jason Cooper, Davinder Dosanjh, Xiao-Hong Zhou, Hitesh Pandya, Michael Cushion, Valmira Podrimcaku, Jane Parnes, Lubna Abuqayyas, Nestor Molfin, Sarah Doffman

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 Llanos, Grainne D’Ancona, Jaideep Dhariwal, Alexandre M. Nanz, David J. Jackson

A comparison of T2 biomarker suppression with Tezepelumab in the real world and phase 3 NAVIGATOR study
Jessica Gates (London, United Kingdom), Faizan Haris, Linda Green, Jodie Lam, Mariana Fernandes, Louise Thomson, Crist Roxas, Grainne D’Ancona, Jaideep Dhariwal, Alexandre M. Nanz, David J. Jackson

Tezepelumab in eosinophilic granulomatosis with polyangiitis (EGPA)
Alexandra Nanz (London, United Kingdom), Anne-Catherine Maynard-Paquette, Jessica Gates, Faizan Harris, Crist Roxas, Linda Green, Mariana Fernandes, Louise Thomson, Jodie Lam, Grainne D’Ancona, Claire Hopkins, Michelle Fernando, Teyfik Ismail, Jaideep Dhariwal, David Jackson

Pharmacokinetics, pharmacodynamics and safety of tezepelumab in children with asthma
Anna Lundahl (Molndal, 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 Roset

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 Storiescu, Pujan Patel

ARRIVAL: a phase 3b study to assess potential of 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, Andreanne Cote, Jean-Pierre Llanos, Kinga Saka, Nanna Keeling, Benjamin Emmanuel, Neda Stjepanovic, Neil Martin

An international consensus on the use of asthma biologics in pregnancy
Jennifer Naftel (Southampton, United Kingdom), David J Jackson, Matthew Coleman, Grainne D’Ancona, Liam G Heaney, Paddy Dennison, Apostolos Bousios, Hitasha Rupani
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
Alya 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), Rahul Mittal, 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, Itsaso Losantos, Javier Dominguez-Ortega, Santiago Quirce, Rodolfo Alvarez-Sala Walther

Optimization of biological therapy in severe asthma
JOSE WILLIAM PULIDO (MEDELLIN, Colombia), Rosa Farfan, Alejandra Rendon, Juliana Madrigal, Jorge Ivan Estrada, Jose Miguel Abad

Effectivity of dupilumab in patients with severa astma in real clinical practice using EXACTO score
Francisco Casas Maldonado (Huétor Vega, Spain), Francisco Javier Alvarez Gutiérrez, Alicia Padilla Galo, José Gregorio Soto Campos, Lorena Pinel Jiménez, Javier Domínguez-Ortega, Santiago Quirce, Rodolfo Álvarez-Sala Walther

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-biologies era: PROSPECT study
Kazuhisa Asai (Osaka, Japan), Takashi Iwanaga, Mai Takahashi, Masahiro Eda, Yoshifumi Arita, Takehiro Hirai, Tadataka 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 Vidovec-Stojković, Matevž Harlander, Sabina Škrgat

Poster session: Advances in respiratory infection epidemiology: knowledge at the population scale

Diseases(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), Chair to be confirmed

The association between time-weighted remnant cholesterol and respiratory-related mortality: A population-based cohort study
Gary Tse (Hongman, China), Lifang Li, Vanessa Chou, Oscar Chou, Sakshi Roy, Jeffrey Chan, Jack Wong, Tong Liu, Gregory Lip, Bernard Cheung, Jiandong Zhou

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), Fageras Malin, Nadir Yehya, Susan Johnson, Gopal Dalal, Hashmath Ulla Syed, Joanne Mcpeake

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
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

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

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 Delmesstri, Hezekiah Omulo, Laura Pérez-Crespo, James Brash, Dina Vojinovic, Hanne Ballegeois, Sarah Seager, Talita Duarte-Salles

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

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

Evolution of S. pneumoniae serotype distribution in adults with CAP in Switzerland
Samuel Etienne (Basel, Switzerland), Werner Albrich, Mathias Pletz, Marcus Panning, Vivian Suarez Domene, Frank Eberhardt, Grit Barten-Neiner, Daiana Stolz

Respiratory infections in patients receiving Immune Checkpoint Inhibitors using the World Health Organization pharmacovigilance database - VigiBase
Thomas Maitre (Paris, France), Virginie Ferry, Kevin Bihan, Anthony Canellas, Cendrine Godet, Jacques Cadranel

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

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 Marijic, Paul Schmidt, Manuela Stierl, Alen Marijic, Marcus Panning, Roland Diel, Gernot Rohde

Rhinovirus (RhV) infection in hospitalised adults
Tommaso Morelli (Southampton, United Kingdom), Martha Purell, 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

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 (Tysersö, Sweden), Gunnar Ljunggren, Seika Lee, Axel C. Carlsson, Åsa Wheelock

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

Is each flu season always the same?
Aycan Yüksel (Ankara, Turkey), Dorina Esendağlı, Tuğba Yanık Yalçın, Özlem Kurt Azap, Gaye Ulubay

Impact of respiratory syncytial virus (RSV) disease on the quality of life (QoL) of older adults in Europe
Theo Last (Wavre, Belgium), Rosa Prato, Marek Mital, Silvia Naréjos Pérez, Georg-Eike Böhme, Paul Torres Gutierrez, Charles Bundy, Susannah Eyre, Philip Joosten, Shubhangi Gawade, Sean Matthews, Eliazar Sabater Cabrera, Desmond Curran, Daniel Molnar

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

Smoking and COVID 19 infection: What impact?
Hamida Kwas (Gabes, Tunisia), Sabrine Majdoub Fehri
Predictors, patterns and outcomes of Human Metapneumovirus in a hospitalized cohort.
Maraed Rosa (Melbourne, Australia), Benjamin Leaver, Justin Tu, Megan Rees

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), Chair to be confirmed

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

Estimation of lung function decline from the longitudinal COSYCONET cohort: does drop-out information matter?
Rolf Holle (Munich, Germany), Tobias Niedermaier, Rudolf Jörres, Peter Alter, Claus Vogelmeier

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

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

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

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 E strengths, Vydia Navaratnam, Tamera J. Corte, David B. Price, Victoria Carter, Martina Bonifazi, Richard Hubbard

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

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 Römmark, Anne Lindberg

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

Effects of alcohol consumption from early adolescence on FEV1: A retrospective cohort study
Mathias Therkelsen (Aalborg Øst, Denmark), Line Bjerrehave Nielsen, Ulla Møller Weinreich

Asthma, but not allergic sensitization, is associated with impaired lung function in young adulthood - a longitudinal population based study
Eva Rönnmark (Luleå, Sweden), Joakim Bunne, Anders Bjerg, Linnea Hedman

Investigating the causal effects of insomnia on lung function: a two-sample Mendelian randomisation study
Laxmi Bhatta (Trondheim, Norway), Sweta Pathak, Sigrid Anna Aalberg Vikjord, Arnulf Langhammer, Ben Brunton, Linn Beate Strand, Ismail Cüneyt Güzey

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

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

Respiratory symptoms in Mauritius are related to ethnicity and level of education
Ulf Nilsson (Umeå, Sweden), Anders Blomberg, Sudhir Kowlessur, Jaakko Tuomilehto, Stefan Söderberg
French pulmonologists suffered from impaired health and quality of life due to their work.

Clinical profile and course of children with postinfectious bronchiolitis obliterans (PIBO) from a tertiary care hospital in Nepal
Jagat Jeewan Ghimire (Kathmandu, Nepal)

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, Gabriel Niza, Javier Nuevo Rivero

Prevalence of asthma among adult population in Western provinces, Mongolia
Naidansuren Tuvshintur (Ulaanbaatar, Mongolia), Bandi Solongo, Somnomjamts Munkhbayarlakh, Tsendeekhuu Naidansuren

Effect of vaccination on the severe forms of COVID-19 disease: results from the hospitalized cohort in Sahloul University Hospital–Tunisia
Arwa Neffati (Tunis, Tunisia), Hela Gali, Sana Bhiri, Habiba Ben Hamada, Balsam Kacem, Mohamed Ben Rejeb, Asma Ben Cheikh, Mohamed Kahloul, Wald Gasjaja, Halim Trabelsi, Houyem Said

**PS-12** Session 12:30 - 14:00

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 Beghe (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. Bhatt, Alejandro Cornellas, Christopher B. Cooper, Jeffrey Curtis, Mark Dransfield, Meilan Han, Nadia Hansel, Eric Hoffman, Jerry A. Krishnan, Nathaniel Marchetti, Fernando J. Martinez, Jill Ohar, Victor E. Ortega, Robert Paine, Prescott Woodruff, Donald P. Taskin, Russell Bowler, David Couper

**Does raised troponin during severe COPD exacerbation predict future cardiovascular events?**
Nyle Cockell (Greater Manchester, United Kingdom), Nihal Billing, Praanesh Kumaresh, 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 Shymalee, Joanne Thompson, Shoaib Faruqi, 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. Susanthdy Dhajalaksana, 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 Zhong, 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, Charlene Rouleaux, Barbara Roux, Heloïse Russo, Nolwenn Poccardi, Nicolas Roche
Air trapping and the risk of cardiovascular events in COPD exacerbations.
Anastasia Papaporfyriou (Mandra, Greece), Kostas Bartziokas, Andriana I. Papaioannou, 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
OUAHDIA 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 Dimièe (Kaunas, Lithuania), Lina Padervinskaïe, Inesa Jermalavi¢iene, 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, Jadwiga A Wedzicha, Koralia Paschalaki

The prevalence of EGFR mutations in lung adenocarcinoma patients with COPD: a middle income country experience
Ivana Canak (Sremiska Kamenica, Republic of Serbia), Jelena Mikov, Goran Stojanovic, Vanesa Sekerus, Marko Bojovic, Ana Milenkovic, Ilija Andrijevic, 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 Papaporfyriou, Konstantinos Bartziokas, Evangelos Orikonou, Angelos Ventetsi, 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
Anastasiia Melenevych (Kharkiv, Ukraine)

PS-10 Session 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)

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

Resolvin D1 reduces the inflammatory response to rhinovirus infection in COPD bronchial epithelial cells
Jordina Mah (London, United Kingdom), Melody Duval, Samuel Kemp, Justine Devulder, Federico Baraldi, Tata Kebadze, Peter Fenwick, James P Allinson, Bruce Levy, Jadwiga Wedzicha, Lydia Finney

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

Shikonin alleviates asthmatic airway inflammation in mice through STAT3-dependent mechanism in airway epithelial cells
Haifeng Ouyang (Xi’an, China), Yao Zhang
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

Differential effects of Ruxolitinib on airway remodeling in asthma and COPD
Maria Elpida Christopoulou (Freiburg im Breisgau, Germany), Eleni Papakonstantinou, Apolline Gonsard, Daiana Stolz

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

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 Scioscia, Angelantonio Maglio, Massimo Triggiani, Maria Filomena Ciaiaffa, Alessandro Vatrela, Girolamo Pelaia, Giovanna Elisiana Carpagnano, Carlo Vancheri, Nunzio Crimi, Claudia Crimi

Safety, pharmacokinetics and pharmacodynamics of SHR-1703, an anti-interleukin-5 monoclonal antibody, in healthy subjects: a phase I randomized, placebo-controlled trial
Ling Yang (Chengdu (Sichuan), China), Yuan Luo, Meng Fu, Kai Shen, Zhu Luo

APATURA: a Phase 2a study of clarekibe, 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

Characteristics of U-BIOPRED endotypes from multi-omics integration of 24 high-dimensional/throughput data
Nan Su (Beijing, China), Ling Zhang, Liping Peng, Yi Jiang, Jie Li, Changle Ling, Junzheng Gao, Zhihong Chen, Zuke Xiao, Dong Zhang, Haihong Wu, Shengyu Wang, Zaiyi Wang, Xiaojing Zhang, Xiaomeng Qi, Jingbo Qiu, Wenjuan Wang, Anbo Xiang, Chunle Li, Chen Wang

Efficacy and safety of CM310 in moderate to severe asthma: a multicenter, randomized, double-blind, placebo-controlled phase 2 study
Paola Rogliani (Roma (RM), Italy), Clive Page, Mia Lundblad, Riccardo Tajè, Francesco Faccioli, Luigino Calzetta

Pharmacological characterization of the relaxant effect of RCD405 in isolated human medium bronchi
Kapil Mayawala (Secaucus, United States), Antonios Aliprantis, Jaileene Hernandez Escalante, Hongwei Han, Sumana Ullas, Ming Bai, Charles Sinclair, Wojciech Dworakowski, Lovely Goyal, Karima Amiri, Andrew Robertson, Stephanie Straley, Kristen Hopson, Adam Root, Luisa Salter-Cid, Lana Dinic, Victoria Szenes, Heath Van Epps, Alexandra Snyder, Dave Singh

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

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

Metabolomic analysis of the effect of endocannabinoid metabolism inhibition in allergic airway inflammation
Reshed Abohalaka (Göteborg, Sweden), Yasemin Karaman, Tuba Reecer, Sevgun Celik Onder, Emirhan Nemrutlu, Turgut Emrah Bozkurt
### 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

**PS-8**

**Session** 12:30 - 14:00

**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)

<table>
<thead>
<tr>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cardiovascular effects of CPAP withdrawal: an RCT post-hoc analysis using hypoxic burden</td>
<td>Matteo Bradicich (Zurich, Switzerland), Joël Julien Herzig, Michelle Mollet, Lara Benning, John Stradling, Malcolm Kohler, Esther Irene Schwarz</td>
</tr>
<tr>
<td>EFFECT OF CPAP TREATMENT ON THE INCIDENCE OF HYPERTENSIVE CRISES IN OBSTRUCTIVE SLEEP APNEA PATIENTS</td>
<td>Sergio Mompeán Rodríguez (Valencia, Spain), Grace Jacqueline Oscullo Yepez, Marina Inglés Azorín, Rosalía Martínez Perez, Jose Gomez Olivas, Thais Beauperrhuy Levy, Amina Bekki, Consuelo Lopez Fornas, Alberto García Ortega, Miguel Ángel Martínez García</td>
</tr>
<tr>
<td>The association between the Effective Apnea-Hypopnea Index and Blood Pressure Reduction Efficacy Following CPAP/oxygen treatment</td>
<td>Ni Yuenan (Chengdu (Sichuan), China), Robert Thomas</td>
</tr>
<tr>
<td>Aging reduces the impact of CPAP on sleepiness in OSA patients</td>
<td>Wojciech Trzepizur (Angers, France), Jérémi Riou, Nicole Meslier, Francois Goupil, Thierry Pigeanne, Jean-Louis Racineux, Frédéric Gagnadoux</td>
</tr>
<tr>
<td>Effect of non-respiratory arousals on residual sleepiness in CPAP-treated OSA patients</td>
<td>Alexandros Kalkanis (Leuven, Belgium), Dimitrios Papadopoulous, Sofia Schiza, Holger Hein, Winfried Randerath, Jean-Louis Pepin, Ludger Grote, Dries Testelmanns</td>
</tr>
<tr>
<td>Positive Airway Pressure (PAP) Use in Obstructive Sleep Apnoea (OSA) Patients with and without Insomnia</td>
<td>Jean-Louis Pépin (Grenoble, France), Anita Malik, Atul Malhotra, Kimberly Sterling, Caleb Woodford, Peter Cistulli, Kate Cole</td>
</tr>
<tr>
<td>Efficacy of CPAP therapy on pulmonary function test in patients with COPD-OSA overlap syndrome</td>
<td>Pitirat Panpruang (Nonthaburi, Thailand), Somprasong Liamsombut, Visasiri Tantrakul, Prapaporn Pornsuriyasak, Naparat Amornputtisathaporn</td>
</tr>
<tr>
<td>IMPACT OF OBSTRUCTIVE SLEEP APNEA AND CPAP TREATMENT ON NEUROPSYCHOLOGICAL AND COGNITIVE FUNCTION</td>
<td>BELEN Muñoz Sánchez (Sevilla, Spain), M.I. Asensio-Cruz, P. Álvarez De Toledo, J.F. Martín-Rodríguez, F. Sammartino, A. Rodríguez-Baena, L. Garrote-Espina, P. Mir, A. Sánchez-Armengol, C. Caballero Eraso</td>
</tr>
<tr>
<td>Continuous positive airway pressure compliance in patients with mild cognitive impairments</td>
<td>Raphaël Briand (Lille (Hauts-de-France), France), Olivier Le Rouzic, Stéphanie Fry, Cécile Chenivesse, Thibaud Lebouvier, Lanvin Lise</td>
</tr>
<tr>
<td>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)</td>
<td>John Seymour (Farnham (Surrey), United Kingdom), Iain Wheatley, Elizabeth Spillan Ind</td>
</tr>
<tr>
<td>Can nocturnal respiratory failure predict adherence to PAP therapy in patients with OSAS?</td>
<td>Sara Quaranta (Alessano, Italy), Laura Anna Sara Cuccaro, Ilaria Dei Lazzaretti, Sebastiano Spierto, Monica Amendolara, Massimo Casparrini, Valentina Di Lecce, Carla Santomasì, Andrea Portacci, Esterina Boniello, Luciana Labate, Giovanna Elisiana Carpagnano</td>
</tr>
<tr>
<td>Prevalence and risk factors of low respiratory arousal threshold in patients with severe obstructive sleep apnea</td>
<td>Clara Bianquis (Saint-Prix, France), Maxime Patout, Margaux Blanchard, Abdel Kebir Sabil, Wojciech Trzepizur, François Goupil, Thierry Pigeanne, Sebastien Bailly, Frederic Gagnadoux</td>
</tr>
<tr>
<td>Impact of cloud-based monitoring system on remote support for newly initiated CPAP therapy</td>
<td>Ming Ren Toh (SINGAPORE, Singapore), Kathy Sock Khim Chan, Rui Ya Soh</td>
</tr>
</tbody>
</table>
### 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

### 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, Leonard Jennifer

### 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

### 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

### 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

### 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

### 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

<table>
<thead>
<tr>
<th>PS-1</th>
<th>Session 12:30 - 14:00</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Poster session: Chronic obstructive pulmonary disease exacerbation I</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Disease(s):</strong></td>
<td>Airway diseases</td>
</tr>
<tr>
<td><strong>Method(s):</strong></td>
<td>General respiratory patient care</td>
</tr>
<tr>
<td><strong>Tag(s):</strong></td>
<td>Clinical</td>
</tr>
<tr>
<td><strong>Chairs:</strong></td>
<td>Tiziana Patrizia Cremona (Bern, Switzerland), Angelos Vontetsianos (ATHENS, Greece)</td>
</tr>
<tr>
<td><strong>Frailty on in-hospital death in older patients with acute exacerbation of chronic obstructive pulmonary disease: a real-world prospective cohort study</strong></td>
<td>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</td>
</tr>
<tr>
<td><strong>Development of Multidimensional Assessment in COPD (MAC) score for short-to-medium-term prognosis in elderly COPD patients at high-risk of acute exacerbation</strong></td>
<td>Edoardo Pirera (Palermo, Italy), Domenico Di Raimondo, Chiara Pintus, Riccardo De Rosa, Martina Profita, Gaia Musiari, Antonino Tuttolomondo</td>
</tr>
<tr>
<td><strong>Bicarbonate levels on admission predict recurrent acute hypercapnic respiratory failure in COPD</strong></td>
<td>Tin Wai Wong (Hong Kong, Hong Kong)</td>
</tr>
<tr>
<td><strong>Effect of cardiovascular risk management on the risk of major acute cardiovascular events in patients with COPD in general practice</strong></td>
<td>Bram van den Borst (Nijmegen, Netherlands), Maybe Willemsen, Tjard Schermer, Lisette Van Den Bent, Lena Raaijmakers, Reinier Akkermans, Marion Biemans, Erik Bischoff</td>
</tr>
<tr>
<td><strong>Impact of Chronic Obstructive Pulmonary Disease on the Prognosis of Patients with Lung Cancer</strong></td>
<td>Wenxin Luo (Chengdu, China), Lan Yang, Weimin Li</td>
</tr>
<tr>
<td><strong>Five-year mortality in patients with COPD and Impaired left ventricular filling</strong></td>
<td>Mustafa Abd (Grosshansdorf, Germany), Henrik Watz, Peter Alter, Kathrin Kahnert, Franziska Trudzinski, Espen E. Groth, Martin Clausen, Anne-Marie Kirsten, Tobias Welte, Rudolf A. Jörrres, Robert Bals, Claus Vogelmeier, Klaus. F Rabe, Benjamin Waschki</td>
</tr>
<tr>
<td><strong>Non-invasive respiratory supports delivery in Australia</strong></td>
<td>Catherine buchan (Melbourne, Australia), Yet H Khor, Rebecca Disler, Natasha Smallwood</td>
</tr>
</tbody>
</table>
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

Oxygen therapy implementation guidance in Australian hospitals: a systematic review approach
Catherine Buchan (Melbourne, Australia), Toby Thomas, Yet H Khor, Rahmin Zahin, Natasha Smallwood

The role of hypercapnia among hospitalised patients with chronic obstructive pulmonary disease exacerbations
Giulia Sartori (Verona, Italy), Giovanni Viterale, Arturo Huerta, Albert Gabarrús, Alberto Fantin, Néstor Soler, Ernesto Crisafulli, Antoni Torres

Prediction of NIV failure late among acute hypercapnic respiratory failure patients
Hana Mrassi (Tunis, Tunisia), Hana Mrassi, Nourelhabib Jallouli, Oumaima Hidri, Imen Sahnoun, Leila El Gharbi

Cardiac evaluation of patients with Chronic Obstructive Pulmonary Disease (COPD) using two-dimensional Doppler echocardiography
Daniela Buklioska Ilievska (Skopje, North Macedonia), Jordan Minov, Ivana Mickovski

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

Characteristics of patient-reported worsenings of asthma and/or COPD and concordance with physician-reported exacerbations
Hana Müllerová (Cambridge, United Kingdom), Eleni Rapsomaniki, Rod Hughes, Jonathan Marshall, Laura Belton, Deven Patel, Alberto Papì, Barry J Make, Pierre-Regis Burgel, Molsen Sadatsafavi, Bradley Chippis, Helen K Reddel, Christor Janson, - For The Novelty Scientific Community And Novelty Study Investigators

PIF/PEF Ratio: A Novel Marker for COPD Severity
Sirine Jamli (Kairouan, Tunisia), Khouloud Khaoa, Soumaya Khaldi, Chaima Briki, Balsam Barkous, Saloua Jameleddine Ben Khamsa

Disability due to COPD in Ukraine
Nataliia Šanina (Dnipro, Ukraine), Tetjana Pertseva, Tamara Turlyun

Validation of probable COPD as proposed by the Lancet Commission at a tertiary smoking cessation outpatient clinic
Esra Ertan Yazar (Istanbul, Turkey), Elif Hazal Karadağ, Büşra Kaytan, Furkan Alp Eren, Coşkun Doğan, Burcu Yiğitbaş, Hacer Hieran Mutlu, Handan Ankaralı

Analysing the effects of indoor air pollution on women residing in urban slum dwellings
Sameer Arbat (Nagpur (Maharashtra), India), Bharat Agrawal, Tulika Arbat

Cardiovascular disease risk score assessment in obstructive sleep apnea (OSA) a case-control study.
Mujeeb Rahman Kakkeri Koyakutty (Calicut (Kerala), India), Misna V.K, Harilakshman Peruvamba, John Alaxander, Murali Krishna Menon

COPD and lung function reduction affect the brain cortical structure: A Mendelian randomization study
Chuangsen Fang (Beijing, China), Yanming Li, Bingxuan Weng

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)**
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 Furutuchi (Kiyose, Tokyo, Japan), Minako Hikijata, Shintaro Seto, Akiko Miyabayashi, Keiko Wakabayashi, Takayuki Nakagawa, Tsutomu Yoshida, Kiyomi Shimoda, Miyako Hiramatsu, Yuji Shiraiishi, 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), Sonia Gul, Mahwish Akhtar

Nocardia spp. isolation in chronic lung diseases: pulmonary nocardiosis versus colonization - a comparative analysis
Mariana Cascais (Porto, Portugal), Catarina Sousa, Mariana Serino, Margarida Redondo, Teresa Carvalho, Manuela Ribeiro, Angélica Ramos, Adelina Amorim

Analysis of pulmonary metabolomic homeostasis in pneumocystis pneumonia
Wenjie Bian (Beijing, China), Wenyi Yu, Yukun He, Xinqian Ma, Zhancheng Ga

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, Cristina Leanza, Giammarco Raponi, Claudio Mastroianni, Paolo Palange

Immunological Mechanisms of CD4+T Lymphocyte Exhaustion in Disseminated Cryptococcal Infection
Zhengtu Li (Guangzhou, China), Yongming Li, Feng Ye

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

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

Pleural Tuberculosis: Characteristics and Management
Wassim Chiae (Ariana, Tunisia), safaa boudabbous

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

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

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

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

Pulmonary microbiology in adults with non-cystic fibrosis bronchiectasis: A systematic review and meta-analysis
Yuanyuan Wang (Stockhlom, Sweden), Jingmin Xiao, Xiaolin Yang, Yanmin Liu, Juan Du, Xi Zhang, Guobin Su, Lei Wu, Zhongde Zhang, Cecilia Stålsby Lundborg

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

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

Clinical practice regarding Pneumocystis pneumonia in Japan: A nationwide web-based survey by the Japanese Respiratory Society
Sadatomo Tasaka (Hirososaki, Japan), Kei Nakashima, Tetsutarou Nagaoka, Yuka Sasaki

Geographic variation in environmental Aspergillus and clinical outcomes in COPD
Pei Yee Tiew (Singapore, Singapore), Janice M Leung, Micheal Mac Again, Tavleen Kaur Jaggi, Xaverius Ivan Fransiskus, Augustine Tee, Albert Yick Hou Lim, Mariko Slyue Koh, John Abisheganaden, Stephen C Schuster, Christopher Carlsten, Sanjay H Chotirmall
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), Chair to be confirmed

---

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, Sachio Matsubayashi, Yuta Hirano, Shotaro 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), Fan Ching 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 Buccheri, 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, Lucía Castello-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, Giusy Daniela Albano, Angela Marine Montalbano, Maria Ferraro, Pascal Chanez, Francesca Rappa, Mirella Profita

Gp130 triggers fibroblast activation and tracheal fibrosis via the YAP/b-catenin pathway
Mingyu Peng (Chongqing, China), Shuliang Guo

The role and mechanism of TNALP in granulation tissue proliferation and fibrosis after tracheal injury
Zhiqiang Liu (Chongqing, China), zq

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
Nadia Baalbaki (Bennekom, Netherlands), Jelle M Blanketijn, Samuel W Kazer, Mahmoud I Abdel-Aziz, Harm Jan Bogaard, Merel E B Cornelissen, Cornelis M Van Drunen, Danielle Van Egmond, Esther J J De Groot, Jaclyn M Long, Esther J Nossent, Jose Ordovas-Montanes, Korneliusz Golebski, Anke H Maitland-Van Der Zee

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 Areny Balagueró (Sabadell, Spain), Anna Solé-Porta, Marta Campbruí-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, Nataliia Artyshe, Linda Plappert, Antje Prasse

Bronchial cell pyroptosis promotes Th17 proliferation and activation in vitro
Dong Yao (Guilin, China), Biwen Mo, Shuyuan Chu

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

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 Hearson, Tim W. Harrison, Matthew J Martin

Response to a bronchodilator in oscillometry: time to avoid cutoff values?
Laura Graciela Goehicoa 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-Briseño, Mario H. Vargas

Low-grade systemic inflammation and peripheral airway function
Martin Färdb (Uppsala, Sweden), Suneela Zaigham, Gunnar Engström, Christer Jansson, Per Wollmer, Andrei Malinovski

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.
Sylvia Verbanck (Bruxelles, Belgium), Shane Hanon, Jef Vandemeulebroucke, 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

Title: The utility of spirometry in the detection of low total lung capacity in clinical populations
Charikleia Alexiou (Newcastle Upon Tyne, United Kingdom), Benjamin Knox-Brown, Karl P. Sylvester
### 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 Štetina Šmid, Malena Aldeco, Paola Pascolo, Jasna Rodman Berlot, Uroš Krivec, Miha Lučovnik, Dušanka Lepej, Gregor Starc

### 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, Marismar 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), Isabelia Serpa, Carlos Eduardo Santos, Luis Felipe Reis, Sidney Da Silva, Iasmim Fonseca, Laura Pessoa, Hendyl Dos Anjoa, Paolo 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

---

**Session** 12:30 - 14:00

**Poster session: Clinical chronic obstructive pulmonary disease II**

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

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

**Tag(s):** Clinical

**Chairs:** Marco Contoli (Ferrara (FE), Italy), Kathrin Kahnert (München, Germany)

**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, Danbee Kang

**The Gut-Airways Microbiome axis in COPD**

Juliea Viglino (Barcelona, Spain), Lidia Perea, Marian Garcia-Nuñez, Ana Rodrigo-Troyano, Alfons Torrego, Marisol Dominguez, Laura Miratlles, Sara Quero, Jesse Willis, Ester Saus, Toni Gabaldón, Joaquim Gea, Maria Salud Santos, Alvar Agustí, 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 López (Madrid, Spain), Guillermo Ansede Bordonaba, Patricia Pérez González, Elena García Castillo, Tamara Alonso Pérez

**Treatable features in decompensated COPD: network analysis**

Marta Sole 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 Santomasi, Fabrizio Diaferia, Andrea Portacci, Cristian Locorotondo, Agnese Caringella, Giovanni Elisiana Carpeggiano
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

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, Raul San Jose Estépar, Michael Cho, Alejandro Diaz

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, Jiping Zheng, Rongchang Chen

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

• Do bronchiectasis worsens COPD – a cross-sectional pilot study
Soumya Das (Kolkata (West Bengal), India), Hrishikesh Barui, Santanu Ghosh, Subhajit Ghosh

Cough characteristics as biomarkers for predicting acute exacerbations of COPD
Jansen Zhou (Toronto, Canada), Maryann Calligan, Sejal Bhialia, Andrea Gershon, Eyal De Lara, Alex Mariakakis, Robert Wu

Association of Neutrophil-to-Lymphocyte-Ratio and clinical outcomes in COPD
Marjolein Brusse-Keizer (Enschede, Netherlands), Lynn Engbers, Emanuel Citgez, Job Van Der Palen

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

Expression of ectonucleotidase CD73 and inflammatory profile by clinical phenotypes in COPD
Carmen Lores Benavente (Barcelona, Spain), Paula Camps, Ester Cuervas, Elisabet Aliagas, Alfredo Marin, Marta Lopez, Mariana Muñoz, Salud Santos

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

The Survival Rate of COPD Patients in Malaysia: EXACOS-MY study
Syazatul Syakirin Sirol Aflah (Kuala Lumpur, Malaysia), Ahmad Izanuddin Ismail, Wong Chee Kuan, Aisya Natsaya Musa

Expression of ectonucleotidase CD73 and inflammatory profile by clinical phenotypes in COPD
Carmen Lores Benavente (Barcelona, Spain), Paula Camps, Ester Cuervas, Elisabet Aliagas, Alfredo Marin, Marta Lopez, Mariana Munoz, Salud Santos

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

The Survival Rate of COPD Patients in Malaysia: EXACOS-MY study
Syazatul Syakirin Sirol Aflah (Kuala Lumpur, Malaysia), Ahmad Izanuddin Ismail, Wong Chee Kuan, Aisya Natsaya Musa

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 Campanones, Violeta Reyes, Helen Isaac, Teresita De Guia, Rodolfo Pagcatipunan, Tim Trinidad

PS-28 Session 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
Chairs: Anand Sundaralingam (Oxford, United Kingdom), Chair to be confirmed

Surgical management of locally advanced thymomas
Wassim Chaieb (Ariana, Tunisia), Ali Ben Salem, Zied Chaari, Aymen Ben Ayed, Abdessalem Hentati, Imed Frihka

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, Yoshiya Matsumoto, Kanako Sato, Kazuhiro Yamada, Tetsuya Watanabe, Kazuhisa Asai, Tomoya Kawaguchi

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

The Survival Rate of COPD Patients in Malaysia: EXACOS-MY study
Syazatul Syakirin Sirol Aflah (Kuala Lumpur, Malaysia), Ahmad Izanuddin Ismail, Wong Chee Kuan, Aisya Natsaya Musa

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 Campanones, Violeta Reyes, Helen Isaac, Teresita De Guia, Rodolfo Pagcatipunan, Tim Trinidad
Outcomes of Patients with Indwelling Pleural Catheters (IPCs) complicated by Septated Pleural Effusions
Wui Mei Chew (Singapore, Singapore), Ken Junyang Goh, Elsheikh Algulli, Nicola Russell, Julienne Cabildo, John Wrightson, Najib Rahman

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, Beenisih Iqbal, Algulii Elsheikh, Aber Saad, Nitika Kaushal, Nicky Russell, Julienne Cabildo, Rob Hallifax, Nick Freemantle, Najib Rahman

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 Bødtger

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 Nicolè, Lidia Laurino, Lucio Michieletto

Indwelling pleural catheter infection rate - a single centre experience in a tertiary care Hospital – UK
Alguili Elsheikh (Wheatley, South Oxfordshire, United Kingdom), Dinesh Addala, Beenisih Iqbal, Anand Sundaralingam, Ken Goh, Wuimei Chew, Rob Hallifax, John Wrightson, Najib Rahman

Pleura-peritoneum crosstalk: A Retrospective Study of Malignant Pleural effusions and Ascites in Gynaecological Cancers
Ken Junyang Goh (Singapore, Singapore), Beenisih Iqbal, Xinia Hartwig, Imogen Mechie, Karman Bhullar, Najib Rahman

Molecular profile of malignant pleural effusion (MPE) in non-small cell lung cancer (NSCLC)
Irene Lojo Rodriguez (Vigo, Spain), Maribel Botana Rial, Almudena González Montaoas, Ana González Piñeiro, Cristina Ramos Hernández, Mercedes Cuña Delgado, Manuel Nuñez Delgado, Alberto Fernández Villar

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, Michele Cottier, Marios E. Froudarakis

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

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, Beenisih Iqbal, Algulii Elsheikh, Aber Saad, Nitika Kaushal, Nicky Russell, Julienne Cabildo, Rob Hallifax, Najib Rahman

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)

CT-based radionics for assessing lung function (decline) in SSC-ILD patients: a promising approach
Flore Belmans (Leuven, Belgium), Monique Henket, Benoît Ernst, Greetje Vande Velde, Wim Vos, Julien Guiot

CT-based radionics to construct a differential diagnosis model for immune-related interstitial pneumonia
Qi Yu (Gungzhou, China), Tingyue Luo, Jingze Guo, Zeyu Fu, Junjie Xi, Shaoci Cai, Hangming Dong

Interstitial lung abnormality presence associates with mortality in a lung cancer screening cohort independent of multi-organ comorbidities
Burcu Ozaltin (London, United Kingdom), Mehran Azimbaghirad, Brintha Selvarajah, Amir Bhamani, Ryoko Egashira, John McCabe, Priyam Verghese, Ruth Prendekci, Andrew Creamer, Jennifer L Dickson, Carolyn Horst, Sophie Tisi, Helen Hall, Cheun Ryan Khaw, Monica Mullin, Kylie Gyetson, Anne-Marie Hacker, Laura Farrell, Nicola Smallcombe, Anand Devaraj, Arjun Nair, Mariya Yuneva, R Gisli Jenkins, Rachel C Chambers, Joanna C Porter, Allan Hackshaw, Sam M Janes, Joseph Jacob
Differentiating interstitial lung abnormalities and interstitial lung disease in lung cancer screening
Brintha Selvarajah (London, United Kingdom), Amyn Bhamani, Mehran Azimbaghi-Hrad, Burcu Ozaltin, Ryoko Egashira, John Mccabe, Nicola Smallcombe, Priyam Verghese, Ruth Prendekci, Andrew Creamer, Jennifer L. Dickson, Carolyn Horst, Sophie Tisi, Helen Hall, Chuen Ryan Khaw, Monica Mullin, Kylie Gyertson, Anne-Marie Hacker, Laura Farrelly, Anand Devaraj, Arjun Nair, Maria Yuneva, R Gisli Jenkins, Rachel C Chambers, Joanna C Porter, Allan Hackshaw, Sam M Janes, Joseph Jacob

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

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

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

Complicated Silicosis due to silica agglomerates: 18F-FDG PET/CT and systemic inflammatory indices
Antonio Leon Jimenez (Cádiz, Spain), Antonio Campos-Caro, Julio Rodriguez-Rubio Corona, María Luisa Piñero Fernández-Reyes, Magdalena Pajares-Vinardel, Antonio Hidalgo-Molina, Gema Jiménez-Gómez

Thoracic ultrasound to detect interstitial lung disease associated with rheumatoid arthritis: comparing three protocols
Marie Vervant (Elsene, Belgium), Alexandros Kalkanis, Joseph Jacob, Timne Goos, Emanuela Elsa Cortesi, Heleen Cypers, Nico De Crem, Stefan Gogaert, Barbara Neerinckx, Veerle Taelman, Nathalie Veyt, Laurens J De Sadeleer, Patrick Verschueren, Wim A Wyts

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-Schwartzbaum, Filippo Caldana, Federica Maiolmini, Elisa Tinazzi, Ernesto Cisafulli

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

Radiologic features associated to progressive fibrosing interstitial lung diseases (ILDs) other than Idiopathic Pulmonary Fibrosis (IPF)
Serena Bellani (Padova, Italy), Elisabetta Cocconcelli, Nicol Bernardinello, Chiara Giraudo, Anamaria Chelu, Giulia Grisostomi, Francesca Boscaro, Giulia Bacchin, Sara Cecchintio, Martina Visona, Paolo Spagnolo, Elisabetta Baleschi

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

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 (Lutsk, Ukraine), Yaroslav Dziublyk, Eduard Khodosh, Tetiana Yakovenko, Alla Hrytsiuk, Oleksandr Dziublyk

Clinical Impact of Pneumomediatinum in Patients with Myositis-Associated Interstitial Lung Disease
Junhee Jung, Bin Yoo, Chang-Keun Lee, Yong-Gil Kim, Seokchan Hong, Soo Min Ahn, Ho Cheol Kim

Comparison of MDD across two different ILD referral centers using the same CRF
Francesco Amati (Pieve Emamuele (Milano), Italy), Dean Kellogg, Marcos Restrepo, Francesco Blasi, Anna Stainer, Giacomo Maruca, Stefano Alberti, Anoop Nambar

Evolution of small airway involvement in rheumatoid arthritis. A multicenter prospective study.
Fabián Mattas Caro (Ciudad Autónoma Buenos Aires, Argentina), Hernan Molina, Martín Fernández, Maria 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

Prevalence and Diagnostic Accuracy of Cervical Lymphadenopathy in Sarcoidosis: Insights from Ultrasound-Guided Biopsies
May Salaheldin Abdelwahab Eissa (alexndria, Egypt), Ahmed El-Sayed El-Hefny, Amr Ali Abdel-Kerim, Samar Nabil El-Achly, Ayman Ibrahim Baess
PS-18  Session  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, Physiology

Tag(s) : Clinical

Chairs : Ruth Grychtol (Hannover, Germany), Chair to be confirmed

---

Early-life lower respiratory tract infection (LRTI) and risk of school-age asthma - A population-based cohort study
Åsne Myklebust (Heimdal, Norway), Henrik Dollner, Kristine Pape, Tormod Rogne, Kari Risnes

---

Clinical predictors of non-acute airflow obstruction in children with asthma
Francine Ducharme (Montréal (QC), Canada), Anna Smyrnova, Melissa Yu

---

Relationship between Fast food and Prevalence of Bronchial Asthma
Yoko Murakami (Hiroshima City, Japan), Hiroshi Odajima

---

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, Alexandre Benachi, Alice Hadchouel

---

Childhood trajectories of asthma, rhinitis, and eczema based on medication use in a Swedish birth cohort
Danil Lisik (Gothenburg, Sweden), Göran Wennergren, Hannu Kankaanranta, Rani Basna, Syed Ahmar Shah, Bernt Alm, Frida Strömberg Celind, Emma Goksör, Bright Ibeabughichi Nwaru

---

Prospective Testing Bronchial Obstruction Reversibility in Preterm Children: Inhaled betamimetics versus parasympatholytics
Yotam Ophir (Prague, Czech Republic), Jana Tuková

---

Interventions to reduce the impact of outdoor air pollution on asthma: A systematic review.
Sbekezelo Thembelihle Hlophe (Pietermaritzburg, South Africa), Reratilwe Mphahlele, Kevin Mortimer, Refiloe Masekela

---

Machine learning approach to identify non-linear contributors to asthma development
Frederikke Rosenvinge Skov (Gentofte, Denmark), Mario Lovric, Bo Chawes, Jakob Stokholm, Klaus Bønnelykke, Ann-Marie Malby Schoos

---

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

---

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.Bayouni, Manar E. Abdel-Rahman

---

Attention Deficit Hyperactivity Disorder (ADHD) And Atopic Disease in pediatric population. Systematic Review Of The Literature And Meta Analyses
Jean-marc Gillardoni (Nice, France), Sibylle Blanc, Lisa Giovannini-Chami, Thierry Bourrier, Sylvie Leroy, Hervé Caci

---

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

---

The usefulness of Pediatric Asthma Assessment Score.
suprawee khiewprom (Chiang Mai, Thailand), Harutai Kamalaporn

---

Leukocyte subset variations in wheezing preschool children: distinguishing asthma from transient wheeze
Moniek van Aarle (Eindhoven, Netherlands), Sophie Kienhorst, Jan Damaoheux, Begum Sert, Elin Kersten, Michiel Bannier, Rijn Jöbsis, Onno Van Schayck, Peter Merkus, Gerard Koppelman, Edward Dompeling

---

Prevalence of respiratory viruses in paediatric asthma: a systematic review
Sachin Ananth (London, United Kingdom), Giulintuna Alimani, Cristina Boccabella, Ekaterina Khaleva, Graham Roberts, Nikolaos Papadopoulos, Chris Kosmidis, Jørgen Vestbo, Effie Papageorghiou, Apostolos Beloukas, Alexander Mathioudakis

---

The effect of secondhand smoking exposure and IL-17 gene polymorphism on childhood asthma
Berrak Oztosun (Istanbul, Turkey), Ayşel Kalayci Yigin, Azer Kiliç Baskan, Deniz Ozecker, Haluk Cokugras, Ayse Ayzit Kilinc Sakalli
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

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

Prevalence of asthma phenotypes in different age groups – a prospective study
Iva Mihatov Stefanović (Zagreb, Croatia), Renata Vrsalović

Physical activity in overweight children with asthma
Valentina Cvejoska-Cholakovska (Skopje, North Macedonia), Emilia Vlashki, Vesna Velijk Stefanovska

PS-20 Session 12:30 - 14:00

Poster session: Respiratory physiotherapy perspective: COVID-19 and chronic respiratory diseases

Disease(s): Airway diseases, Respiratory critical care
Method(s): Pulmonary rehabilitation, General respiratory patient care, Physiology, Pulmonary function testing, Epidemiology, Palliative care, Public health
Tag(s): Clinical
Chairs: Celso Ricardo Fernandes de Carvalho (São Paulo (SP), Brazil), Sara Souto-Miranda (Aveiro, Portugal)

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

Individuals with persistent symptoms of COVID-19 have worse motivation to exercise
Manuela Karloh (Florianópolis (SC), Brazil), Grasiele Barbosa, Jessica Gutierrez, Isabela Silva, Juliana Araújo, Thiago Matias, Mayer Anamaria

Is there a relationship between exercise capacity, fatigue and cognitive impairment in COVID-19 survivors?
Vildan Bayraktaroglu (Istanbul, Turkey), Melda Saglam, Naciye Vardar-YaglI, Serkan Pekcetin, Birsen Pinar Yildiz, Mesut Bayraktaroglu, Esra Ergun Alis

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 Cendon Panades, Eduard Barrio Herraiz, Gladis Sabater Talaverano, Lidia Perendreu Busquets, Ramon Orriols Martinez

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 Carolin Zambrano, Manuelita Ascuntar Velásquez, Lina Marcela Orozco Mejía

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, Daiana Xavier, Roberta Cristiane Torres, Magno Formiga, Deivid Siqueira, Cyda Reinaux, Shirley Campos, Daniella Brandão, Anna Myrna Jaguaribe De Lima

Prevalence and stability of physical 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 of sit-to-stand tests with 6-minute walk test in children with cystic fibrosis
Cigdem Emirza Cilbir (İstanbul, Turkey), Ayse Ayzit Klincakli, 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 (Istanbul, Turkey), Meltem Kaya, Erkan Cakir, Hilal Denizoglu Kulli

Dyspnea-related kinesiophobia in cystic fibrosis: relationship with pulmonary function and respiratory muscle strength
Seda Şaka (İstanbul, Turkey), Vildan Bayraktaroğlu, Zeynep Selçuk, Erkan Çakir
Poster session: Novel insights in the pathogenesis of pulmonary fibrosis

**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, Hiroki Bando, Keiko Haji, Nobuhiro Naito, Kozo Kagawa, Hiroshi Kawano, Noriaki Inamura, Keiji Hasumi, Yasuhiko 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 lung 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, Ilenia Mastrolia, Matteo Costantini, Luca Fabbiani, Virginia Catani, Tiziana Petrachi, Dario Andrisani, Filippo Gozzi, Alessandro Marchioni, Valentina Masciale, Beatrice Aramini, Valentina Ruggieri, Giulia Grisendi, Massimo Dominici, Stefania Cerri, Enrico Clini

**Sirtuins as biomarkers of accelerated cellular senescence in patients with Idiopathic Pulmonary Fibrosis (SIR-IPF)**
Domenica Francesco Mariniello (Napoli, Italy), Vito D'Agnano, Filippo Scialò, Grazia Mazzeo, Ramona Fosse, 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. Iwowski

**Reproducible lung protective effects of a TGFβR1/ALK5 inhibitor in the bleomycin-induced and spirometry-confirmed mouse model of IPF**
Ashbjørn Graver Petersen (Hørsholm, Denmark), Stefanie Kortntner, Susanne Pors, Henrik H. Hansen, Michael Feigh
LTBP2: A Potential Fibroblasts-Anchoring Target in Idiopathic Pulmonary Fibrosis Regulated by TCF4
Lingxiao Qiu (Chongqing, China), Guojun Zhang, Xinye Zhang, Zhi Xu, Shanshan Chen, Ping Li, Chunyi Lu, Hui Li, Chun Huang, Hongxia Jia, Huasi Zhao

Understanding the Dynamics of Pro-Fibrotic Biomarkers in Precision-Cut Lung Slices: Implications for Preclinical Studies
Lena Willmer (Hannover, Germany), Maximilian Fuchs, Lavinia Neubert, Danny Jonigk, Meha Patel, Natalie Hill, Trevor Fisher, Russell B. Fletcher, Patrick Zardo, Hans-Gerd Fieguth, Jan Fiedler, Armin Braun, Katherina Sewald, Christina Hesse

Exploring Combined Therapy: Disulfiram and Antifibrotic Agents in Attenuating Pulmonary Fibrosis in Bleomycin-Induced Mouse Model
MIDORI SATO (Tokyo, Japan), Hirokazu Urushiyama, Etsuko Toda, Hiroshi Takumida, Takayoshi Enokido, Akira Saito, Yuya Terashima, Hidenori Kage

Blood levels of soluble macrophage-mannose receptor (sCD206) are uniquely associated with severity and mortality in idiopathic pulmonary fibrosis
Elisabeth Bendstrup (Aarhus N, Denmark), Anne Juhl Nielsen, Thomas Skovhus Prior, Holger Jon Møller

In vitro evaluation of senolytics targeting BCL2 family members to selectively deplete senescent primary human alveolar and small airway-derived epithelial cells
Stephan Klee (Biberach, Germany), Dennis Schafer, Lara Beck, Ingrid Christ, Victoria Schröder, Eva Peter, Holger Schlüter, Kerstin Geillinger-Kästle, Matthew Thomas

Genetic Deletion of Muc5b Reduces Interstitial Lung Disease in Neonatal Nedd4-2 Deficient Mice
Nathalie Smyczek (Berlin, Germany), Julie C. Meyer Auf Der Heyde, Dominik H. W. Leitz, Laura Schaupp, Maria Daniltchenko, Christopher M. Evans, Marcus A. Mall, Julia Duerr

Globularia alypum L. phenolic rich extract ameliorates progressive pulmonary fibrosis induced by Bleomycin in Wistar rats
Sana BAHR (Tunis, Tunisia), Rim Ben Mansour, Aref Tahri, Mona Mlika, Linda Hadjkacem, Riadh Ksouri, Saloua Jameleddine

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

Role and mechanism of microRNA-423-5p targeted FOXP4 regulation in pulmonary fibrosis
Yi Chen (Chong qing, China), Guo Shuliang

Antifibrotics 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

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

Type 1 invariant natural killer T cells drive lung fibrosis
Emily Calamita (London, United Kingdom), Wing Han Liu, Patricia P. Ogger, Christina Michalaki, Faye Murphy, Cormac Mccarthy, Albert Agro, Marc Hertz, Toby M. Maher, Clare M. Lloyd, Philip L. Molyneaux, Vinip Kumar, Adam J. Byrne

Altered expression of CSF1R in airway macrophages during idiopathic pulmonary fibrosis
Christina Michalaki (London, United Kingdom), Toby M. Maher, Clare M. Lloyd, Philip L. Molyneaux, Peter Ordentlich, Adam J. Byrne

Poster session: Non-tuberculous mycobacteria diagnostics and treatments updates

PS-23 Session 12:30 - 14:00

Disease(s) : Airway diseases
Method(s) : Epidemiology, Cell and molecular biology, General respiratory patient care, Pulmonary function testing, Endoscopy and interventional pulmonology
Tag(s) : Clinical

Chairs : Wouter Hoefsloot (Nijmegen, Netherlands), Inês Tavares Ladeira (Vila Nova de Gaia, Portugal)

Immunologic signatures of nontuberculous mycobacterial pulmonary disease
Nakwon Kwak (Seoul, Republic of Korea), Jaemoon Koh

Exploratory BALF analyses reveal a high diversity of microbiome in NTM lung disease and a low diversity of microbiome in bronchiectasis
Kohei Fujita (Kyoto, Japan), Yuki Yamamoto, Masahiro Kamita, Kosei Tanaka, Takeru Nakabayashi, Takuma Imakita, Issei Oi, Osamu Kanai, Tadashi Mio, Kinominobu Tanizawa, Yutaka Ito
<table>
<thead>
<tr>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non- Tuberculous mycobacterial infection and pulmonary disease rates: a focus on M. simiae</td>
<td>Michal Shteinberg (Haifa, Israel), Razi Evan-Dar, Idit Raz, Maya Brodsky, Nili Stein, Yochai Adir, Walid Saliba, Shifra Ken-Dror, Raya Cohen</td>
</tr>
<tr>
<td>Epidemiology, microbiological characteristics and risk factors of non-tuberculous mycobacterial respiratory infections in adult patients with cystic fibrosis</td>
<td>Zoltán Örlős (Debrecen, Hungary), Lilla Katalin Lőrinczi, Balázs Antus, Imre Barta, Zsuzsanna Miklós, Ildikó Horváth</td>
</tr>
<tr>
<td>Nontuberculous mycobacteria from bronchial lavage fluid in bronchiectasis patients: A study from tuberculosis-endemic country</td>
<td>Lam Nguyen Ho (Hồ Chí Minh, Vietnam), Ngoc Tran-Van, Vu Le-Thuong, Tuyet-Lan Le-Thi, Huong Pham-Thien, Van Pham-Hung</td>
</tr>
<tr>
<td>Evaluation of Scnn1b-Tg mice as murine model of pulmonary infection with Mycobacterium avium Complex</td>
<td>Julia Delomez (Neuvillette, France), Antoine Froment, Teddy Grandjean, Francois Peltier, Marie Perret, Jean-Philippe Lanoi, Philippe Gosset</td>
</tr>
<tr>
<td>Observational study on the use of subcutaneous recombinant IFN-γ as adjunctive personalized treatment for patients with life-threatening non-tuberculous mycobacterioses</td>
<td>Paola Confalonieri (trieste, Italy), Serena Maioacchi, Francesco Salton, Barbara Ruaro, Maria Concetta Volpe, Luca Braga, Marco Confalonieri</td>
</tr>
<tr>
<td>The important role of perforin against Mycobacterium avium infection in mice</td>
<td>Masaki Fujita (Fukuoka, Japan), Takato Ikeda, Yuki Sundo, Takemasa Matsumoto</td>
</tr>
<tr>
<td>Mental health and nontuberculous mycobacteria infections: a single center retrospective study in Milan</td>
<td>Vittoria Moscatt (Catania, Italy), Giovanni Fumagalli, Grete Francesca Privitera, Alice Claudia Repossi, Maura Spotti, Bruno Santi Cacopardo, Stefano Aliberti, Maurizio Ferrarese, Luigi Rufio Codecasa</td>
</tr>
<tr>
<td>Lower respiratory tract microbiome in patients with clinically suspected nontuberculous mycobacterial pulmonary disease to the presence of microaspiration</td>
<td>Yong-Soo Kwon, Chan Woo Park, Eun Jeong Won</td>
</tr>
<tr>
<td>Comparison of the sputum microbiome between stable nontuberculous mycobacteria pulmonary disease patient and those requiring antibiotic treatment</td>
<td>minjong song (Seoul, Republic of Korea), Noeul Kang, Su-Young Kim, Dae Hun Kim, Byung Woo Jhun</td>
</tr>
<tr>
<td>18F-Fluorodeoxyglucose positron emission tomography/computed tomography for assessing treatment response of nontuberculous mycobacterial pulmonary disease</td>
<td>Yeonseok Choi (Seoul, Republic of Korea), Joon Young Choi, Byung Woo Jhun</td>
</tr>
<tr>
<td>Clinical characteristics and treatment outcomes of patients with nontuberculous mycobacterial pulmonary disease in South Gyeongsang Province: A single centre experience</td>
<td>Seong Mi Moon (Seoul, Republic of Korea), Hyun Kyu Cho, Jae Won Jung, Beomsu Shin, Hyesung Ock, Hyo-In Rhyou</td>
</tr>
<tr>
<td>Title: Adverse events in patients treated for Non-tuberculous mycobacteria pulmonary disease: a retrospective observational cohort study</td>
<td>Gina Gualano (Roma (RM), Italy), Serena Maria Carli, Maria Angela V. Licata, Paola Mencarini, Carlotta Cerva, Silvia Mosti, Annelisa Mastrobattista, Pietro Vittozzi, Raffaela Libertone, Virginia Di Bari, Alberto Zolezzi, Carla Fontana, Mazzarelli Antonio, Nisii Carla, Fabrizio Palmieri</td>
</tr>
<tr>
<td>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</td>
<td>Charles Daley (Denver, United States), James D Chalmers, Korkut Avsar, Dario Andrisani, Luigi Rufio Codecasa, Kevin Mange, Dayton W Yuen, Monika Cesielksa, Mariam Hassan, Marie-Laure Nevoret</td>
</tr>
<tr>
<td>Validation of soluble programmed death-1 in predicting progression of nodular-bronchiectatic form of nontuberculous mycobacterial lung disease: a Multi-Country Research</td>
<td>Chin-Chung Shu (Taipei, Taiwan), Sheng-Wei Pan, Kozo Morimoto, Jae-Joon Yim</td>
</tr>
<tr>
<td>Frequency and relevance of nontuberculous mycobacterial isolates in patients with COPD exacerbations</td>
<td>Ena Tolic (Zagreb, Croatia), Dora Darapi Marusic, Matea Skoro, Lorna Corak, Stjepan Smiljanic, Goran Glodic, Tea Lovric Dotlic, Andreja Mocan, Sonja Badovinac, Ivana Marekovic, Mateja Jankovic Makek</td>
</tr>
<tr>
<td>The role of a specialist NTM nurse in a UK NTM centre</td>
<td>Nicola Smallcombe (London, United Kingdom), Akanksha Malhotra, Catherine Heckman, Prasheena Naran, Alasdair Frater, Stephen Joseph, Heinke Kunst</td>
</tr>
<tr>
<td>The effect of utilization of intravenous antibiotic for Mycobacterium abscessus on outcome of treatment</td>
<td>Parvaneh Baghaei Shiva (Tehran, Islamic Republic of Iran), Majid Marjani, Afsin Moniri, Zahra Abtahian, Payam Tabarsi</td>
</tr>
</tbody>
</table>
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:** Shruti Sahasrabudhe (Pune (Maharashtra), India), Talantbek Sooronbaev (Bishkek, Kyrgyzstan)  

**Health inequalities: understanding barriers in attending pulmonary rehabilitation**  
Steven Harvey (Leicester, United Kingdom), Emma Chaplin, Nikki Gardiner, Sally Singh  

**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 Engkasen  

**Implementation of Pulmonary Rehabilitation in Jordan: Perspective of Healthcare Professionals.**  
Adnan Wshah (Alsait, Jordan), Nisrin Qatameh, Saad Al-Nassan, Roger Goldstein  

**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  

**Can a web-based Yoga-integrated pulmonary rehabilitation application (app) for COPD be delivered in India?**  
Shruti Sahasrabudhe (Pune (Maharashtra), India), Mark W Orme, Rashmi Padyhe, Mahendra Kawedia, Meenakshi Bhakare, Nagesh Dhadge, Mahavir Modi, Zahira Ahmed, Andy Barton, Sundeept Salvi, Sally J Singh  

**Feasibility and acceptability of home-based pulmonary rehabilitation for individuals with idiopathic pulmonary fibrosis in Delhi, India**  

**The feasibility and acceptability of culturally appropriate pulmonary rehabilitation for Sri Lankan adults with COPD**  
Akila Randika Jayamaha (Colombo, Sri Lanka), Chamila Perera, Mark W Orme, Ravini S Karunatilake, Amitha Fernando, Andy Barton, Michael Steiner, Jesse A Matheson, Manifield James, Amy Barradell, Thilan Weerasinghe, Maduranga Kumar, Akindra Kariyawasam, Deshani Rishwana, Sachini Deshapriya, Tharanga Premakumara, Dasun Ruwanpathirana, Dunjanalee Wijesena, Suresh Chaturrayana, Ruwin Dias, Thamar Amarasekara, Savithri Wimalasekara, Sally J Singh  

**Effectiveness evaluation of the group intervention to improve health and well-being of people after COVID-19 in South Africa**  
Olena Ivanova (Munich, Germany), Nicole Audrey Glover, Handan Wand, Farzana Sathar, Pride Mokome, Nkululeko Mathabela, Sipokazi Taleni, Salome Charalambous, Andrea Rachow  

**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  

**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  

**Home-based vs outpatient hospital-based pulmonary rehabilitation in people with chronic obstructive pulmonary disease.**  
Sarah Gephine (Pérenchies, France), Gaelle Terce, Gilles Brulois, Olivier Le Rouzic, Maxime Leroy, Cécile Chenivesse, Jean-Marie Grosbois  

**Exploring the Promising Impact of Pulmonary Rehabilitation on Gait, Balance, and Cognitive Function in COPD Patients: A Systematic Review and meta-analysis**  
Mobina Khorasvi (Tehran, Islamic Republic of Iran), Mohse Abedi  

**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  

**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  

**Virtual ethnography of singing for breathing in COPD and ILD patients**  
Natasha Smallwood (Melbourne (VIC), Australia), Lena Ly, Peter Hudson, Nicole Goh, Jennifer Philip
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

Pulmonary rehabilitation in patients diagnosed with non-IPF-fibrosing interstitial lung disease receiving antifibrotic therapy
Pinar Ergün (Ankara, Turkey), Seher Satar, Mustafa Engin Sahin, Zeynep Yesiloz

The comparison of moderate-intensity continuous training (MICT) with high-intensity interval training (HIIT) rehabilitation programs in patients with interstitial lung disease (ILD)
Atefeh Fakharian (Tehran, Islamic Republic of Iran), Mohsen Abedi, Maryam Sadat Miremaya, Maryam Koorepazan Moftakhar, Reyhaneh Zahiri

Is pulmonary rehabilitation effective when the patient is provided care by a single healthcare professional: concept of a care manager.
Sarah Gephine (Perenchies, France), Jean-Marie Grosbois, Olivier Le Rouzic, Cécile Chenivesse

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

Poster session: The use of ultrasound in respiratory medicine

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 Elsawy, 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 Roceto Ratti, Lindemberg M Silveira-Filho, Matheus Da Silva Passos, Lilian Elizabete Dellazari, Luiz Claudio Martins, Luciana Castillo De 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
Fiammetta 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 Kildegaaard (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 Valfason, Mariaenrica Tine, Umberto Semenzato, Davide Biondini, Marco Damini, Elisabetta Balestri, Paolo Spagnolo

Evaluation of the rapid airway assessment ultrasound protocol for confirming endotracheal intubation
Sasathorn Tharapoom (Bangkok, Thailand), Anan Wattanathum
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 Cuyvers (Leuven, Belgium), Paul Desbordes, Karolien Van Orshoven, Marko Topalovic, Martina Foti, Lorenzo Mancini, Sandrine Corre, Isabella Viala, 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 Le Thi Tuyet

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, Ashfaq Shaikh, Prasad Shinde, Asmita Gokhawd, 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 Waerjen-Smit, Antonio Digiandomenico, Kristoffer Ostridge, Victoria Godfrey, Josh Woolley, Sander Van Kuijik, Martijn A Spruit, Saim O. Simons, Sarah Houben-Wilke, Frits M E Franssen

Could inspiratory capacity predict lung hyperinflation in patients with obstructive ventilatory impairment?
Amani SAYHI (tunis, Tunisia), Chaima Briki, Nourjser Ben Abbes, Wieme Ben Hmid, Saba Boubakri, Ines Ghannouchi, Sonia Rouaifi

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 (Aniana, Tunisia), Khouloud Kchaou, Myriam Bouzid, Balsam Barkous, Saloua Ben Khamsa Jameleddine

Poster session: Lung cancer screening and incidental lung nodules: adjusting the gears

Factors influencing screening adherence in the Yorkshire Lung Screening Trial.
Sarah Ahmad (Leeds, United Kingdom), Francesca Pesola, Philip Cresbie, 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

Achieving lung cancer screening in Australia – an advocacy success story
Paige Preston (Brisbane, Australia), Mark Brooke

Lung cancer screening outcomes following artificial intelligence application: protocol for updating a systematic review.
Sahraoui Nassima (Jubail, Saudi Arabia)

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 Tavernaraki, Irini Lambiri, Konstantinos Spanakis, Ilianna Tsetsou, Nikolaos Tzanakis, Mina Gaga

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

Cancer conversion rates at 3 and 12 months interval scans in a lung cancer screening programme
Aparna Natarajan Iyer (Mumbai (Maharashtra), India), Owen Mole, Kirsten Leslie, Richard Riordan, Cyrus Daneshvar

Location and volume of screen-detected lung nodules: post hoc analysis from the UK Lung Cancer Screening (UKLS) trial

Sustained improvement in early lung cancer detection with Targeted Lung Health Check (TLHC) programme
Lucy Searle (Sheffield, United Kingdom), Abdul Nasimudeen, Moe Kyi

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

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, Alastair Moore

Frequency of incidental diagnosis in contemporary lung cancer care

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

The impact of antibiotic use on the management of pulmonary ground glass nodules: A retrospective cohort study
Yi Liu (Chengdu, China), Jiawei Zhang, Dan Liu

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

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

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 Pennycuick, Kate Gowers, Manuela Platé, Zoe Frazer, Kate Davies, Inigo Martincorené, Peter Campbell, Sam Janes

Clinical-CT predictive modeling of stage I micropapillary adenocarcinoma components
Linshui Yang (Chengdu, China), Jiaru Zhang, Dan Liu
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

Missing airways, ventilation defects and conductive airway physiology in asthma.
Sylvia Verbanck (Bruxelles, Belgium), Rachel Eddy, Marrissa McIntosh, Grace Parraga, Brody Foy

Assessing pulmonary exacerbations (PEX) in people with cystic fibrosis (pwCF) with dynamic functional lung MRI
Christopher Short (London, United Kingdom), Thomas Semple, Mary Abk, Marta Tibiletti, Mark Rosenthal, Simon Padley, Geoff J.M. Parker, Jane C. Davies

Oxygen-enhanced MRI versus PREFUL in assessing pulmonary ventilation in COPD and healthy individuals.
Amany Elbehairy (Alexandria, Egypt), Josephine H. Naish, Hossein Baghertash, Christopher A. Miller, Jørgen Vestbo, Alex Horsley

Inspiration level strongly affects the MRI lung perfusion metric mean TTP
Jimmy Yu (Stockholm, Sweden), Sven Nyren, Magnus Sköld, Roya Shams, Johan Lundberg, Tobias Granberg

Oxygen-enhanced MRI versus PREFUL in assessing pulmonary ventilation in COPD and healthy individuals.
Amany Elbehairy (Alexandria, Egypt), Josephine H. Naish, Hossein Baghertash, Christopher A. Miller, Jørgen Vestbo, Alex Horsley

Multiphase micro-CT (µCT) as a surrogate for longitudinal pulmonary function quantification in a lung fibrosis model
Francesca Pennati (Milano (MI), Italy), Sasha Belenkov, Martina Buccardi, Erica Ferrini, Nicola Sverzullati, Gino Villetti, Andrea Aliverti, Franco Fabio Stellari

Local tissue strain imaged by in vivo 4D phase-contrast µCT in bleomycin and ventilator-induced lung injury in rats
Irmgard Mahmutovic Persson (Lund, Sweden), Sam Bayat, Richard T. Deyhle Jr., Luca Fardin, Jose Luis Cercos-Pita, Gaetano Perchiazzi, Lars E. Olsson

The association of spirometry findings with Thorax Computerized Tomography in Children with Common Variable Immunodeficiency
Merve nur Tekin (Ankara, Turkey), Fazlıcan Zirek, Sekacahattin Bayav, Mukaddes Ağrıteci, Mahmut Turğut, Esin Güzem Olgun, Semra Küçük Öztürk, Gizem Özcan, Nazan Çobanoğlu

Cardiac alterations related to new CT emphysema subtypes: results from the SubPopulations and InteRmediate Outcome Measures In COPD and Heart Failure Study (SPIROMICS HF)
DANIEL SHEPSHELOVICH (new york, United States), Aparna Balasubramanian, Joao Ac Lima, Martin Prince, Prachi Agarwal, Garima Arora, Igor Barjaktarevic, Bharath Ambale-Venkatesh, David A, Bluemke, James C. Carr, Christopher B. Cooper, David Couper, Mark Dransfield, Paul Finn, Benjamin H. Freed, Emilia Hermann, Meilan Han, Nadia Hansel, Jeff Hsu, Dalane Kitzman, Jerry A. Krishnan, Troy Labounty, Yoo Jin Lee, Jing Liu, Steven G. Lloyd, Andrew Laine, Elsa Angelini, Artur Wysockanski, Jil Ouar, Victor E. Ortega, Robert Paine, Stephen P. Peters, Dipayan Chaudhuri, Joyce Schroeder, Wei Shen, Yifei Sun, Abraham Theodore, Jens Vogel-Clausen, Karol Watson, Prescott Woodruff, Sanjiv J. Shah, R. Graham Barr

Chronic Graft versus Host disease involving the lung: CT scan features
Roland Barbante (Marsico Nuovo, Italy), Sara Picciucci, Claudia Ravaglia, Antonio Vizzuso, Emanuela Giampalma, Venerino Polletti

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 Pirakalathan, Charlotte Thomas, Nina Eikelis

Cardiac alterations related to new CT emphysema subtypes: results from the SubPopulations and InteRmediate Outcome Measures In COPD and Heart Failure Study (SPIROMICS HF)
DANIEL SHEPSHELOVICH (new york, United States), Aparna Balasubramanian, Joao Ac Lima, Martin Prince, Prachi Agarwal, Garima Arora, Igor Barjaktarevic, Bharath Ambale-Venkatesh, David A, Bluemke, James C. Carr, Christopher B. Cooper, David Couper, Mark Dransfield, Paul Finn, Benjamin H. Freed, Emilia Hermann, Meilan Han, Nadia Hansel, Jeff Hsu, Dalane Kitzman, Jerry A. Krishnan, Troy Labounty, Yoo Jin Lee, Jing Liu, Steven G. Lloyd, Andrew Laine, Elsa Angelini, Artur Wysockanski, Jil Ouar, Victor E. Ortega, Robert Paine, Stephen P. Peters, Dipayan Chaudhuri, Joyce Schroeder, Wei Shen, Yifei Sun, Abraham Theodore, Jens Vogel-Clausen, Karol Watson, Prescott Woodruff, Sanjiv J. Shah, R. Graham Barr

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 Svendrild, Eve Denton

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

Quantitative Morphometry and Local Tissue Elasticity Measurements in a Rat Model of Ventilator-Induced Lung Injury
Md Motiur Rahman Sagar (Göttingen, Germany), Lorenzo D'Amico, Richard T. Deyhle Jr., Ruth Meyer, Luca Fardin, Irma Persson Mahmutovic, Jose Luis Cercos-Pita, Gaetano Perchiazzi, Sarah Köster, Frauke Alves, Lars E. Olsson, Christian Dullin, Sam Bayat

An 8-month exercise rehabilitation program improved brain oxygenation during exercise in patients with IPF
Konstantina Dipla (Serres, Greece), Stella Kritikou, Aikaterini Markopoulou, Afroditou Boutou, Georgia Kounti, Christina Ramplioudou, Athanasios Zacharias, Ioannis Gkalgouras, Valentina Pegklidou, Diamantis Chloros, Ioannis Stanopoulos, Georgia Pitsiou, Andreas Zafeiridis
Poster session: Advances in behavioural science in chronic respiratory disease management

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

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

**Tag(s):** Clinical

**Chairs:** Eleonora Volpato (Milano (MI), Italy), Ingeborg Farver-Vestergaard (Vejle, Denmark)

### Health-related quality of life (HRQoL) in depression defined by clinicians and patients in severe asthma. Data from SHARP CRC
Joseph Lanario (Plymouth (Devon), United Kingdom), Lianne Ten Have, Fleur. L Meulmeester, Dawn Redwood, Tania Wainwright, Jo Tilley, Anne Megenhe, Simon Doe, Kathleen Bayani, Sanja Hromiš, Sabina Skrgat, Mariana Paula-Rezelj, Peter Kopac, Ana Žaže Bertoncel, Anneke Ten Brinke, Kristina Bieksiene, Jolita Palacionyte, Valentyna Yasinska, Barbro Dahlen, Oksana Tenzelius, Cláudia Chaves Loureiro, Maria Gonçalves Cunh, Pedro Nogueira, Inês Farinha, Dominique Hamerlijnck, Michael Hyland, Jacob Sont, Matthew Masoli

Co-creating information on the use of smartwatches to support COPD self-management
Laura Wilde (Coventry, United Kingdom), Nikki Holliday

Impact of illness perceptions on continuous positive airway pressure (CPAP) adherence and couple relationship quality in obstructive sleep apnea (OSA): a cross-sectional study
Valentina Poletti (Milan, Italy), Elvia Battaglia, Paolo Banfi, Eleonora Volpato

The association between behavioral clusters and short-term PAP usage in OSA
Leanne Kaye (San Diego, United States), Vy Vuong, Adam Benjafield, Priyanshu Gupta, Meredith Barrett

Patients' experiences of managing COPD-related anxiety in pulmonary rehabilitation
Camilla Fischer Christiansen (Borkop, Denmark), Anders Lokke, Sune Jonstrup, Eva Holmegaard Buksted, Dorthe Sørensen, Henrik Hansen, Ingeborg Farver-Vestergaard

A pilot study into the feasibility and impact of virtual group cognitive behavioural therapy in severe asthma patients
Ella Campbell (London, United Kingdom), Chang Lu, Victoria Singh

Gender differences among the dimensions of MOCA over time in COVID-19 Survivors.
Celemi Vigil-Lopez (Mexico City, Mexico), Karen Sanchez, Viridiana Pélaez, Arturo Orea, Sandra Enríquez, Michelle Aboyt, Frida Uríbe, Celemi Vigil, Tomas Peña

Impact of the Alfacare patient support programme on quality of life in patients with Alpha-1 Antitrypsin deficiency
SILVINA CANCIO (Madrid, Spain), Hernan Cancio, Elisabet Ferrer, David Gomez

Translation and cross-cultural adaptation of the Breathing Vigilance Questionnaire (Breathe-VQ) into Danish
Mette Kaasgaard (Nordhavn, Copenhagen, Denmark), Ingeborg Farver-Vestergaard, Elmar Kal, Adam Lewis, Karen Hjerrild Andreasson

Financial incentives to improve medication adherence for children and young people with asthma.
Jasmine Hine (London, United Kingdom), Andy Bush, Gaby Judah, Anna Desimoni, Chris Griffiths, Louise Fleming

Maternal mental health disorders one year before and three years after childbirth are associated with offspring school-age asthma: Finnish register study
Minna Lukkarinen (Turku, Finland), Eetu Kanerva, Marika Leppänen, Bernd Pape, Päivi Rautava, Max Karukivi

Associations between self-conscious emotions and need for self-management support in people with COPD
Sara Lundell (Umea, Sweden), Anna-Britt Cole, Senada Hajdarevic, Anders Blomberg, André Nyberg

Impact of Covid 19 epidemic on mental health of frontline healthcare workers in Tertiary care hospitals in North India
Nandani Gulati (Delhi (National Capital Territory of Delhi), India), Prashant Saxena, Miganka Juneja

Psychometric properties of the PROMIS® measures in a pediatric asthma population in the Netherlands
Marike Verkleij (Amsterdam, Netherlands), Niels Rutjes, Bart Van Ewijk, Lotte Haverman, Suzanne Terheggen-Lagro, Maud Van Muilekom

The differing experiences of people living with COPD during the Covid-19 pandemic: an interview study
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

Seizing the Moment: Patients with COPD view Hospitalization as the Optimal Timing for Smoking Cessation Support
Louise Muxoll Gronhaug (Vejle, Denmark), Malou Cataquis Kristensen, Ingeborg Farver-Vestergaard, Anders Lokke Ottesen, Jannie Christina Frolund
Beliefs about Covid-19 and the Covid-19 vaccine in Saudi Arabia: a cross-sectional cohort study
Nouf Almeshal (London, United Kingdom), Holly Foot, Amy Chan, Rob Horne

Evaluation of effectiveness of psychological therapy in improving psychological and clinical parameters in severe asthma with co-morbid psychology.
Hananhussein (Birmingham, United Kingdom), Nadia Qazi, Jessica Matthews, Julie Marsh, Ali Bahron, Lisa White, Julie Sullivan, Anilkumar Piilai, Adel Mansur

PS-21 Session 12:30 - 14:00
Poster session: Nursing interventions and outcomes

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

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

**Tag(s):** Clinical

**Chairs:** Malin Axelsson (Malmö, Sweden), Maria Granados Santiago (Alcaudete, Spain)

Three (3)-Year Summary of Post COVID-19 Rehabilitation Programme in South West London.
Cielito Caneja (Croydon (Surrey), United Kingdom), Kim Nottingham, Amy Grant

Impact of Respiratory Clinical Nurse Specialist attendance in a General Respiratory Clinic
Michelle Angeli Uno (Balbriggan, Ireland), Elaine Hayes

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

A Review and audit of the pulmonary fibrosis nurse led clinic within the UHL hospital group
Paula Ryan (Doornadoyle (County Limerick), Ireland), Carmel Mcinerney, Aidan O'Brien

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

The role of the "nurse navigator" in implementing and operating a lung cancer screening consultation for high-risk smokers
Sally Santistev Lostes (Ileida, Spain), Marcela Suárez Bustamante, Anna Vila Fornells, Nuria Forns Pairal, Maria Zuil Moreno, Aida Monge Esqué, Anna Moncusí 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 Barbé Illa, Jessica González Gutiérrez

Early specialist intervention and reduced hospital admissions - the benefits of the respiratory ANP in unscheduled care
Sarah Daly (Roscommon, Ireland), Tara Byrne

The impact of Nursing Consultation on the management of inhalation therapy
Lucía Méndez González (Santa Maria da Feira, Portugal), Cristina Leite, Catia Caneiras, Jorge Ferreira

Training healthcare professionals (HCP) in self-administration of intravenous medication (SA-IVM): Alpha-1-Antitrypsin (AAT) in Portugal
Lucía Méndez González (Santa Maria da Feira, Portugal), Alexandra Carvalho, Conceição Rodrigues, Isabel Matos

Care of Adult Patients with Uncontrolled Severe Asthma Recieving Biologics
Shu Wah Ng (Hong Kong, Hong Kong), Pui Fan Chan, Wai Yi Tsang, Chun Lung Lee, Si En Chan, Miranda Tsui, Suet Lai Cheng, Pik Shan Cheung

THE ROLE OF THE REHABILITATION NURSE IN EMPOWERING PEOPLE WITH ASTHMA
Liliana Silva (Matosinhos, Portugal), Andreia Patricia Oliveira Santos

EFFECTIVENESS OF 4-WEEK REHABNURSINGASTHMA CONSULTATION ON ASTHMA CONTROL AND QUALITY OF LIFE
Liliana Silva (Matosinhos, Portugal), Andreia Patrícia Oliveira Santos

Chronic Respiratory Patient Programme – An integrated model of care
Liliana Silva (Matosinhos, Portugal), Angela Mota, Lara Lemos, Mariana Santos, Hélder Cunha

Understanding Adherence in Pulmonary Rehabilitation: A Multi-Group Analysis
Liliana Silva (Matosinhos, Portugal), Tiago Maricoto, Angela Mota, Lara Lemos, Mariana Santos, Hélder Cunha, Inês Azevedo, Patrício Costa, José Miguel Padilha
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, Dorthe Gaby Bove

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 Arabi Forcada, Pau Belver Colomer, Lidia López Escredudo, Jacobo Sellarés Torres, Xavier Alsina-Restoy, Rodrigo Torres Castro, Rosangel Amaro Rodriguez

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 Guillen Alvarado, Pilar Garcia González, Marie Carmen Valenza

Exploring the motivation and needs of sleep apnea patients: Insights from focus group interviews
Camilla Andersen (Hillerød, Denmark), Marían Petersen, Dorthe Bove, Anders Broström, Thora Skodshøj Thomsen

The effectiveness of respiratory training in idiopathic pulmonary fibrosis: a exercise capacity meta-analysis
Alejandro Heredia Ciuró (Granada, Spain), Javier Martín Núñez, Julia Raya Benítez, Geraldine Valenza Peña, Alejandro Heredia Ciurí, 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, Joyce Lacroix, Martijn Spruit, Daisy Janssen

---

**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)

**Occupational exposures and rhinitis in the population-based CONSTANCES cohort**
Laurent Orsi (Paris, France), Marine Savouré, Guillaume Sit, Marcel Goldberg, Yuurko Iwastubo, Celine Ribet, Marie Zins, Nicole Le Moual, Rachel Nadif, Orianne Dumas

**Nonspecific bronchial hyperresponsiveness and eosinophilic airway inflammation predict occupational asthma to HMW agents but not to LMW agents**
Ollipekka Kailari (Helsinki, Finland), Jussi Lantto, Irnemi Lindström, Hille Suojalehto

**Occupational asthma patients’ long-term employment**
Irmeli Lindström (Helsinki, Finland), Jussi Lantto, Hille Suojalehto

**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 Shltenbng

**COPD prevalence and characteristics in a random sample of workers**
Sasho Stoleski (Skopje, North Macedonia), Jordan Minov, Dragan Mijakoski, Aneta Atanasovska, Dragana Bislimovska

**‘30 years of SHIELD’ – an overview and update on surveillance of occupational asthma in the West Midlands, United Kingdom**
Kimberley Nettleon (Birmingham (West Midlands), United Kingdom), Gareth I. Walters, Christopher C. Huntley, Vicky C. Moore, Samuel Wallbanks, Arun Vellore, Alastair S. Robertson, P. Sherwood Burge

**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, Cecilie Svanes, Geza Benke, Sonia Kaushik, Shyamali Dharmage, Caroline Lodge

**Respiratory symptoms, COPD, and work ability in workers exposed to phenolic resins**
Dragan Mijakoski (Skopje, North Macedonia), Sasho Stoleski, Jordan Minov

**Occupational respiratory diseases in Ukraine.**
Oksana Karasova (Dnipro, Ukraine), Viktoriya Rodionova, Liudmila Glyniiana, Olenena Kovalenko

**Allergen-specific IgE sensitization and occupational exposure to irritants**
Nicolas Miguereu (Strasbourg, France), Orianne Dumas, Anne Boudier, Jean Bousquet, Raphaëlle Varraso, Rachel Nadif, Frédéric De Blay, Nicole Le Moual, Valérie Siroux
Impact of ensifentrine on trough FEV1 in COPD: a meta-analysis
Luigino Calzetta (Roma (RM), Italy), Shima Gholamalishahi, Josuél Ora, Paola Rogliani

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

Single-inhaler LABA-LAMA versus LABA-ICS as initial COPD treatment in real-world clinical practice
Samy Suissa (Montréal (QC), Canada), Sophie Dell'Aniello, Pierre Ernst

Real-world safety of budesonide/glycopyrrolate/formoterol in Chinese patients with chronic obstructive pulmonary disease
Yongchang Sun (Beijing, China), Yunfeng Chen, Xiwei Zhang, Ruibin Guo, Luqian Zhou, Jiaxi Feng, Xiaomin Xiong, Weiguo Xu, Guoping Li, Jing Zhang

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 Bali, Anand Kumar, Ajeet Singh, Meena Lopez, Rushika Shah, Sandesh Sawant, Abhijit Vaidya, Jaideep Gogtay

Safety, Tolerability and Pharmacokinetics of The Phosphodiesterase 3/4 (PDE3/4) Inhibitor TQC3721 Suspension for Inhalation in Healthy Adult Subjects
ZHU LUO (Chengdu, China), Ling Yang, Miao Jiang, Ding Yu, Weimin Li

Effect of n-acetylcysteine against mucus hypersecretion in COPD
Paola Rogliani (Roma (RM), Italy), Shima Gholamalishahi, Rossella Laitano, Luigino Calzetta

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

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

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

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

Exploring effects of mechanical stress in the development of emphysema using a lung organoid
Arthur Pavot (Lille, France), Marina Guecamburu, Emma Samaniego, Caroline Jeanniere, Yaniss Belaroussi, Matthieu Thumerel, Elise Maurat, Katharina Raasch, Pauline Henrot, Vincent Studer, Isabelle Dupin, Maëva Zysman

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

Mucus plugging and mucolytics 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

PS-7  Session  12:30 - 14:00
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 (Reykjavík, Iceland), Virginia Norris, Clive P. Page, Yanira Riffo-Vasquez, Michael J. Parnham

Alterations in cellular functionality in chronic rhinosinusitis with nasal polyps 
Philipp Kühnel (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, Nazaïn 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 Délaunay, Edouard Cuvillon, Stephane Esnault, Louison Jan, Xing Li, Victor Margelidon-Cozzolino, Jacques Trauet, Thibault Vanderhaegen, Guillaume Lefèvre, Geoffroy 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 (Hospitalet 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 Takekoshi, Takanori Numata, Hiromichi Haru, Jut Araya

IL-33 and TSLP differentially regulate airway inflammation and remodeling 
Seblewongel Asrat (Tarrytown, United States), Subhashini Srivatsan, Brianna Buonagurio, George Scott, Kaitlyn Gayvert, Wei Keat Lim, Dylan, Li-Hong Ben, Audrey Le Floc’h, Andrew Murphy, Matthew Sleeman, Jamie Orengo

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 human 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 Schutters, 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 Vasyly, Jolita Palaiionyte, Inesa Jermalaviene, Kestutis Malakauskas

The Impact of Bronchial Allergen Challenge on Eosinophil Subtype-Specific miRNA and Their Target Gene Expression in Allergic Asthma 
Egle Vasyly (Kaunas, Lithuania), Andrius Januskevicius, Airidas Rimkunas, Jolita Palaiionyte, Inesa Jermalaviene, Kestutis Malakauskas

The effect of eosinophils on gene expression of ECM proteins, contractility and migration of ASM 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 RabYYYYY (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 Serrild, Manali Mukherjee, Jonas S Erjefält, Celeste Porsbjerg
<table>
<thead>
<tr>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>PDGF promotes the interaction of nesprin-1 with NUP62 in human airway smooth muscle cells</td>
<td>Dale Tang (Albany, United States), Ruping Wang</td>
</tr>
<tr>
<td>Interleukin-33 directly drives the expansion of myeloid cells and their progenitors in vivo</td>
<td>Rajita Pappu (South San Francisco, United States), Jeff Duggan</td>
</tr>
<tr>
<td>Heterogeneous ILC responses in severe asthma patients undergoing anti-IL5/5Ra therapy</td>
<td>Kyle Mincham (London, United Kingdom), Lola Loewenthal, Garance Meyer, Martina Marfia, Minerva Garcia Martin, Pujan Patel, Clare Lloyd, Robert Snelgrove</td>
</tr>
</tbody>
</table>

**PS-5 Session 12:30 - 14:00**

**Poster session: Advances in respiratory critical care**

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

**Method(s):** General respiratory patient care, Imaging, Respiratory intensive care, Epidemiology, Transplantation, Pulmonary rehabilitation

**Tag(s):** Clinical

**Chairs:** Miquel Ferrer Monreal (Barcelona, Spain), Chair to be confirmed

**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 Gabbielli, Roberta Pancani, Ersilia Tedeschi, Pierpaolo Baimonte, 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 Timing Dilemma: A Systematic Review and Meta-analysis of Short-Term Mortality in Patients With COVID-19 Undergoing Tracheostomy With Varied Definitions of Early, Including 7, 10, and 14 Days**

Beong Ki Kim (Ansan, Republic of Korea), Chi Young Kim

**Omadacycline for the Treatment of Severe Pneumonia Caused by Chlamydia psittaci Complicated with Acute Respiratory Distress Syndrome during the COVID-19 pandemic.**

Wang Deng (Chongqing, China), Dao-Xin Wang, Ling-Xi Xiao, Xin-Yu Deng

**The study of endothelin-1 in venous and arterial blood in mechanically ventilated COVID-19 critically ill patients**

Chrysi Keskinidou (Athens, Greece), Alice G. Vassiliou, Anastasia Roumpaki, Nikolaos Athanasiou, Stamatios Tsigilis, Edison Jahaj, Charikleia Vrettou, Vassiliki Giamopoulou, Asimina Chalioti, Georgios Ferentinos, Sotiris Karagiannis, Ioanna Dimopoulou, Anastasia Kotanidou, David Langleben, 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

**Transformation of patients profile admitted to an Intermediate respiratory care unit (IRCU) from a tertiary hospital in Barcelona one-year after COVID-19 pandemic**

Cristina Bellver (Barcelona, Spain), Sandra Elizabet Orozco Echeverría, David Rodríguez Plaza, Yolanda Ruiz Albert, Ester Cuevas Sales, Ana Córdoba Izquierdo, Eva Farrero Muñoz, Enric Prats Soro, Salud Santos Pérez, Mercè Gasa Galmes

**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 Martin, 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 Mazzioti, 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 Tobar, 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, Adriana Cristina Da Silva, Melissa Sibinelli, Larissa Olivato, Beatriz Bueno Dos Santos, Higor Luis Marconi Montedioca, Emanuela Dos Santos, Luciana Castilho De Figueirêdo, Antonio Luís Eiras Falcão

Cystatin C protects against primary graft dysfunction after lung transplantation.
Henu kumar verma (Munich, Germany), Aicha Jerdi, Salome R.T. Rehm, Carmela Morrone, Otmar Schmid, Thomas M Conlon, Matthias Hecker, Nikolaus Kneidinger, Dieter E. Jenne, Ali Önder Yildirim

Effect of High-Flow Nasal Therapy on swallowing performance
Paola Conti (sant'agata li battiati (catania-sicily), Italy), Rita Chiaramonte, Antonio Alaimo, Santi Nolasco, Raffaele Campisi, Michele Vecchio, Carlo Vancheri, Claudia Crimi

Epidemiology and Implications of Post-intensive Care Syndrome (PICS) in ICU Survivors
Raja Dhari (Kolkata (West Bengal), India), Aditya Satpati, Beauty Biswas, Shyam Krishnan, Arup Halder, Dipendu Dey, Amrita Bhattacharyya

PS-19 Session 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, Jaweha Kamoun, Aymen Ben Ayed, Aly Ben Salem, Abdessalem Bentati, Imed Frihka

Penetrating Thoracic Traumas: Clinical Profile and Management Strategies
Wassim Chaieb (Ariana, Tunisia), Ali Ben Salem, Zied Chaari, Aymen Ben Ayed, Abdessalem Bentati, Imed Frihka

Management of pleural empyema: The impact of RAPID score and surgery
Wassim Chaieb (Ariana, Tunisia), amina abdelkibir, 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 Benjemia (Tunis, Tunisia), Mohamed Sadok Boudaya, selma madhi, Yosr Ben Attiq, Feriel Souissi, Malek Rammeh, Anis Ben Dhaou, Kahefa 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 Attiq, 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 Abdelkibir, 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), safi 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, Emna 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 Abdennadher, SaFa BouDabous, Amina Abdelkebir, Hazem Zribi, Sonia Ouerghi, Sabrine Ouaïachi, Sarra Zairi, Adel Marghli

Is there still a place for pneumonectomy in bronchiectasis?
Wifek Saidani (Ariana, Tunisia), Amina Abdelkebir, Olfâ Sassi, Imen Bouassida, Mahdi Abdennadher, 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 Abdennadher, Amina Abdelkebir, Nizar Fitouhi, Ines Moussa, Hazem Zribi, Adel Marghli

**Mediastinal Hydatic cyst: a rare entity**
Wassim Chaieb (Ariana, Tunisia), Hamdi Siwar, Abdelkbir Amina, Lasmer Ahmed, Abdennadher Mahdi, Bouacida Imene, Maazaoua Sarra, Zribi Hazem, Adel Marghli

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

Navigating Risks: A Retrospective Analysis of Preoperative Spirometry in Urgent Coronary Artery Bypass Grafting for Cardiac Patients
Joaquin Maritano Furcada (Ciudad Autónoma Buenos Aires, Argentina), Johanna Pincay, Horacio Matias Castro, Juan Arturo Precerutti, Hernán Javier Benito

Costo-vertebral hydatid disease: surgical management and post-operative course
Wifek Saidani (Ariana, Tunisia), Imen Bouacida, Amina Abdelkebir, Ahmed Lasmer, Mahdi Abdennadher, Sarra Zairi, Houda Rouis, Rahma Ayadi, Hazem Zribi, Adel Marghli

**Poster session: Pulmonary hypertension in lung disease**
**Session** 12:30 - 14:00
**Disease(s):** Airway diseases, Pulmonary vascular diseases, Interstitial lung diseases
**Method(s):** Cell and molecular biology, Epidemiology, Imaging, General respiratory patient care, Public health, Physiology, Transplantation
**Tag(s):** Clinical, Translational
**Chairs:** Isabel Blanco Vich (Barcelona, Spain), Katarina Zeder (Graz, Austria)

**Pulmonary vascular resistance to predict one-year survival in ILD-PH**
Pulmonary vascular involvement in patients with interstitial lung disease (ILD): a distinct phenotype
Giordano Fiorentu' (Padua, Italy), Elisabetta Coceconcelli, Nicol Bernardinello, Dylan Pasin, Roberta Acceto, Chiara Giraudo, Sara Cecchinato, Martina Visonà, Paolo Spagnolo, Elisabetta Balestro

Association of Pulmonary Hypertension risk on Echocardiography with the degree of pulmonary fibrosis in a Usual Intersitial Pneumonia Cohort in United Arab Emirates.
Govinda Saicharan Bodi (Abu Dhabi, United Arab Emirates), Mohammed Samiuddin, Hossam Alazazizi, Stuti Mull, Shayan Khan, Zaina Khan, Sathiyamoorthy Sadharaman, Mohammed Khafil, Jihad Mallat, Khaled Saleh

Impact of pulmonary hypertension in baseline characteristics and survival of patients with idiopathic pulmonary fibrosis
Alexandra Arvanitaki (London, United Kingdom), Gerhard Diller, Vasileios Kouranos, Thomas Semple, Wei Li, Colm Mceabe, Michael A. Gatzoulis, John Wort, Laura Price

REVEAL Lite 2 risk assessment in Pulmonary Hypertension associated to respiratory disease.
Marta Évora Garcia (Las Palmas de Gran Canaria, Spain), Gregorio Pérez Peñate, Carlos Ójeda Suárez, Helena Galván Fernández, Ibrahim Veliz Flores, Jesús Villar Hernández, Desirée Alemán Segura, Amando Sixto Márquez, Javier Guerra Ramos, Ana Martín Medina, Fernando León

Management of Pulmonary Hypertension associated with Chronic Lung Disease: Results of the ERS Clinical Research Collaboration PHAROS survey
Laurent Godinas (Leuven, Belgium), David Montani, Sergio Harari, Marius Hoeper, David Kiely, Esther Nossent, Gabor Kovacs, Robin Condliffe, Anton Vonk Noordgraaf, Pilar Escrivano Subias, Isabelle Blanco, Dario Vizza, Fabio Dardi, Abilios Reis, Marion Delcroix, Olivier Sitbon, Joan Barbera

Reasons to join pulmonary hypertension patient associations – do not forget the caregivers!
Eva Otter (Vienna, Austria), Roberto Badagliacca, Regina Reginster-Mascherbauer, Khodr Tello, Gerald Fischer, Ralf Lenhard, Martina Neubauer, Hall Skara, Dario Vizza

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

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 Derlin, Antoinette Gomes, Mohammadali Habibi, Eric Hoffman, Chris Johns, Steven Kavut, David Kiely, Andrew Laine, Joao Lima, Martin Prince, Benjamin Smith, Jens Vogel-Claußen, Karol Watson, Jim Wild, Andrew Swift, Graham Barr

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

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 Xanthouli, Satenik Harutyunova, Christina A. Eichertstedt, Ekkehard Grünig, Nicola Benjamin

Pre-capillary pulmonary hypertension in COPD: are there distinctive ironome-associated endotypes?
Oleh Myronenko (Graz, Austria), Vasilie Foris, Andrea Olschewski, Horst Olschewski

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 Tieleman, Benoit Decante, Carine Vastel-Ammazallag, 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
Maria Jose Calzada Garcia (Madrid, Spain), Onofre Munar-Rubert, Rosa Andreu-Martinez, Jorge Rodriguez-Perez, Noelia Lopez, Bianca Barreira, Marta Villegas-Esguевойllas, 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 Zarifis, 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 Gauhthereau, Mathilde Dubois, Paul Robillard, Fanny Sauvestre, Fanny Pelluard, Sophie Berenguer, Loïc Sentilhes, Frederic Coatleven, Marie Vincenin, Laurent Renesmes, Roger Marthan, Patrick Berger, Eric Dumas-De-La-Roque, Véronique Freund-Michel, Claire-Marie Pilard

**Physician- and model-reported factors to identify 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

**Pulmonary Hypertension of various aetiology in obesity and sleep disordered breathing- A retrospective review of pulmonary haemodynamics**
Samiha Naureen (Hull, United Kingdom), Sayed Alwadaei, Mark Major, Amanda Bell, Abdul Hameed, Shoabi Faruqi

**Exploring Family Dynamics and Ethical Considerations in the PAH Diagnostic and Therapeutic Journey: Insights from In-Depth Semi-Structured Interviews**
Emilia Maria SWIETLIK (CAMBRIDGE, United Kingdom), Micheala Fay, Nicholas W Morrell

---

**PS-26 Session 12:30 - 14:00**

**Poster session: Bronchiectasis across the life course**

**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)

**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

**RhDNase improves quality of life and reduces exacerbations in primary ciliary dyskinesia**
Moshe Heching (Raanana, Israel), Liora Slomianksy, Joel Weinberg, Mordechai R Kramer

**Exhaled breath analysis in cystic fibrosis to detect Staphylococcus Aureus in the lungs**
David Mager (Amsterdam, Netherlands), Paul Brinkman, Babies Manai, Marleen Bakker, Lieke Kamphuis, Tjeerd Van Der Veer, Eralim Van Horssen, Yasin Demir, Lisa Slimmen, Eric Haarman, Anke-Hilse Maitland–van Der Zee, Hettie Janssens

**Temperature modifies ciliary beating in healthy subjects, but also in PCD and non-PCD patients**
Noemie Bricmont (Liège, Belgium), Romane Bonhiver, Lionel Benchimol, Olivier Hourgand, Julie Harvengt, Elisa Docampo Martinez, Adeline Jaquinet, Clara Pauly, Ammar El Kheir, Françoise Guissard, Catherine Moermans, Doriane Calmés, Anne-Lise Poirrier, Renaud Louis, Céline Kempeneers

**Long-term lung function and Pseudomonas aeruginosa in genotyped primary ciliary dyskinesia**
Mathias G. Holgersen (Copenhagen, Denmark), June Kehlet Marthin, Johanna Raidt, Tavs Quist, Helle Krogh Johansen, Heymut Omran, Kim Gjerum Nielsen

**Percentage Ciliation in Bronchiectasis Patient Upper and Lower Airways**
Erin Cant (Dundee, United Kingdom), Morven Shutleworth, Emma Johnson, Thomas Pembridge, Lucy Bidgood, Holly Lind, Megan L Crichton, Katelyna Viligorska, David W Connell, Helen Liddicoat, Merete Long, Adam Platt, Maria Belvisi, Kristoffer Ostridge, James D Chalmers, Amelia Shoemark

**Variability of lung function tests in primary ciliary dyskinesia**
Felix Ratjen (Toronto (ON), Canada), Dvir Gatt, Michelle Shaw, Fiona Kritzinger, Melinda Solomon, Sharon Dell

**Evaluation of Bronchiectasis in Children**
Handan Kekeç (Turkey, Turkey), Yasemin Duman, Tuğba Şişmanlar Eyüboğlu, Ayşe Tana Aslan, Merve Yazol, Öznur Leman Boyunağa, Volkan Medeni

**Predictors of a delayed heart rate recovery after the 6-min walk test in people with bronchiectasis**
Beatriz Herrero Cortina (Zaragoza, Spain), Juan Antonio Saez-Perez, Ane Arbilla-Exarrri, Victoria Alcaraz-Serrano, Elena Gimeno-Santos, Yasmina Hamam-Alcober, Antoni Torres

**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 Glodić, Marko Banić, Fedja Džubur, Ana Hećimović, Dina Rnjak, Sanja Popović-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 Pisani, Francesco Rocco Bertuccio, Simone Montini, Nicola Baio, Valentina Ferroni, Ilaria Giana, Marianna Russo, Alessandro Cacina, 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 Claudia 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, Edoardo Simonetta, Francesco Amati, Mattia Nigro, Anna Stainer, Andrea Gramengna, Francesco Blasi, Letizia Corinna Morlacchi, Agata Alba Buscemi, Valentina Conio, Vincenzo Sanci, Angelo Corsico, Paola Favero, Weronika Michalak, Fabrizio Luppi, Claudia Crimi, Carlo Vancheri, Raffaele Campisi, Maria Rosaria Vulpi, Giovanna Elisiana Carapagnano, Marianna Cicchetti, Ksenia Sekretna, Nicola Scichilone, Salvatore Battaglia, Stefano Aliberti

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 Polverino

12:45-13:45
INDUSTRY LUNCHTIME SYMPOSIUM
SEE PAGE 1
Service-level strategies for choosing the right inhaler and implementing improved inhaler technique
Omar S. Usmani (London, United Kingdom)

Digital strategies that can improve inhaler technique
Amy Hai Yan Chan (Auckland, New Zealand)

Digital innovations for monitoring our patients within respiratory medicine
Job F.M. van Boven (Groningen, Netherlands)

Discussion and Q&A

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)

New insight from functional lung imaging in asthma
Grace Parraga (London (ON), Canada)

Functional lung computed tomography of ventilation and perfusion in COPD
Dirk-Jan Slebos (Groningen, Netherlands)

Imaging lung perfusion in interstitial lung diseases
Helen Marshall (Sheffield (South Yorkshire), United Kingdom)

Lung functional MRI imaging in paediatric respiratory diseases
Jason Woods (Cincinnati, United States)

Discussion and Q&A

Hot topics: The future of lung transplantation for Cystic Fibrosis
in recent years we have witnessed a marked decline of lung transplant referral for Cystic Fibrosis, and the phenotype of CF patients who are still referred now is significantly different. This session will take into account the changes in treatment strategies and the new phenotype of lung transplant recipients as well as the possibility that AI will provide to that patient sub-phenotyping

Aims: Aim of this session is to perform a deep analysis on how the landscape of Therapies and lung transplantation in CF has changed in the last year, thus the following issues will be addressed:

- a marked drop in lung transplant referrals due to the introduction of CFTR modulator therapies
- a change in the phenotype of CF lung transplant candidates who are now older, have more complex multiresistant colonizations and more severe extrapulmonary co-morbidities and sometimes need multi-organ transplantation challenges in the post transplant management including the use of modulator therapies after transplant The help of AI 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)

Is Cystic Fibrosis still an indication for lung transplantation?
Clémence Martin (Paris, France)
### C5 (live-streamed) Session 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 (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)

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>13:45</td>
<td>Challenges and perspectives in the implementation of the ERS guidelines for non-continuous positive airway pressure treatments of obstructive sleep apnoea</td>
<td>Winfried J. Randerath (Solingen, Germany)</td>
</tr>
<tr>
<td>14:00</td>
<td>Current recommendations for the treatment of obesity hypoventilation syndrome</td>
<td>Jean-Louis Pépin (Grenoble, France)</td>
</tr>
<tr>
<td>14:15</td>
<td>Latest findings on the treatment of obstructive sleep apnoea in patients with COPD and interstitial lung disease</td>
<td>Sophia E. Schiza (Heraklion, Greece)</td>
</tr>
<tr>
<td>14:30</td>
<td>Latest findings on obstructive sleep apnoea and sleep-disordered breathing in neuromuscular and chest wall diseases</td>
<td>Dries Testelmans (Leuven, Belgium)</td>
</tr>
</tbody>
</table>

### C4 (live-streamed) Session 13:45 - 15:15

**State of the art session: Pulmonary vascular diseases**

**Comprehensive insights into pulmonary embolism: prevention, advances in diagnosis and risk stratification**

**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 Löfler-Ragg (Innsbruck, Austria)

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>13:45</td>
<td>New approach to risk stratification of pulmonary embolism</td>
<td>David Jiménez Castro (Madrid, Spain)</td>
</tr>
</tbody>
</table>
C2 (live-streamed) Session 13:45 - 15:15

Journal session: Pulmonary highlights from the JAMA Network

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)

13:45 Adherence to continuous positive airway pressure and risk of cardiovascular events
Fernando Eduardo Barbe Illa (Lleida, Spain)

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)

14:15 Airway-occluding mucus plugs and mortality in patients with COPD
Padma P. Manapragada (Birmingham, United States)

14:30 Discussion and Q&A

C3 (live-streamed) Session 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
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

Congress theme session: Use of AI as a Predictive Modelling and Diagnostic Tool for COVID-19

Aims: The aims of this session is:
How AI can analyse large datasets to identify risk factors for Long COVID development and progression, helping healthcare providers anticipate and manage cases more effectively – and how AI-powered diagnostic tools can assist in identifying Long COVID symptoms and predicting 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)

14:00 AI and Machine Learning for diagnosis and risk factors identification in long COVID development
Om Prakash Kurmi (Coventry, United Kingdom)

14:15 Personalised diagnosis in complex diseases including long COVID patients, using AI and machine learning
Sundeep Santosh Salvi (Pune (Maharashtra), India)

14:30 Discussion and Q&A

Oral presentation: Update in paediatric asthma

Disease(s): Airway diseases

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

Tag(s): Clinical, Translational

Chairs: Angela Zacharasiewicz (Wien, Austria), Carmen Cornelia Maria de Jong (Stettlen, Switzerland)
Perinatal obesity is associated with asthma phenotype in children and with a shift of the epithelial DNA methylation clock towards premature epithelial aging
Tobias Trojan (Köln, Germany), Sonja Buchholz, Karosham Reddy, Christoph Thomassen, Samira Blau, Matthias V. Kopp, Thomas Bahmer, Anna-Maria Dittrich, Ruth Grychtol, Adan Jirmo, Folke Brinkmann, Gesine Hansen, Bianca Schaub, Erika Von Mutius, Ernst Rietschel, Silke Van Koningsbruggen-Rietschel, Markus Weckmann, Miguel Alejandro Alcazar

LSC - 2024 - Fetal lung growth as a tool to predict the risk for respiratory infections and asthma early in life
Dimitra Zazara (Hamburg, Germany), Olympia Giannou, Steven Schepanski, Mirja Pagenkemper, Anastasios Giannou, Maike Pincus, Joannis Belios, Stefan Bonn, Ania Muntau, Kurt Hecher, Anke Diemert, Petra Arck

Adipose tissue transcriptomics associate with 'obesity-related asthma'
Erick Forno (Indianapolis, United States), Laura Y Zhou, Molin Yue, Kristina M Gaietto, Yueh-Ying Han, Troy A Markel, Theresa W Guilbert, Michael A Helmrath, Stefan Scholz, Juan C Celedon, Wei Chen

Impact of ERS/ATS changes in bronchodilator reversibility calculations on paediatric asthma diagnosis
Natalie Blyth (Leicester, United Kingdom), Joe Madge, Erol Gaillard, David Lo

The bronchodilator response in childhood asthma, a comparison of ATS/ERS and GINA criteria in a register-based cohort.
Jon Konradsen (Sollentuna, Sweden), Caroline Stridsman, Lowie Van Fleteren, Anna Asarnoj, Apostolos Bossios

Validating Asthma Biomarkers in Children with Real-Time Breath Analysis
Srdjan Janni Micic (Zurich, Switzerland), Patricia Koch, Ronja Weber, Yvette Baumann, Alexander Moeller

Nasal sphingolipids are decreased in children with asthma
Stefan Worgall (New York, United States), Zenna Solomon, Andrea Heras, Zoe Verzani, Gomi Rika, Tilla Worgall

Discussion and Q&A

Strauss 2  Session  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
Tag(s) : Clinical
Chairs : Andre Nyberg (Umeå, Sweden), Deniz Inal-Ince (Ankara, Turkey)

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 Skavlan 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

Prevalence of frailty and recovery of physical activity in patients after an AECOPD
Marieke Wuyts (Leuven, Belgium), Fien Hermans, Sofie Breuls, Astrid Blondeel, Stephanie Everaerts, Eric Derom, Heleen Demeyer, Wim Janssens, Thierry Troosters
Short and medium-term effects of an online behaviour change intervention to promote physical activity in adults with asthma: a randomized controlled trial
Celso Ricardo Fernandes de Carvalho (São Paulo (SP), Brazil), Joice Mara Oliveira, Ariele Pedroso, Denner Ildemar Feitosa Melo, Marieta Cabral Amaral Cunha, Fabiano Francisco Lima, Thiago Sousa Matias, Manuela Karloh, Karina Couto Furlanetto

Comparison of traditional and telerehabilitation based pulmonary rehabilitation program gains in fibrosing interstitial lung patients
Esra Pehlivan (İstanbul, Turkey), Erdoğan Çetinkaya, Fulya Senem Karahmetoğlu, Zeynep Betül Özcan, Kürşad Nuri Baydili, Barış Demirkol, Halit Çınarka, Ramazan Eren

The impact of oxygen saturation on functional performance in patients with COPD on long-term oxygen therapy – a randomized crossover trial
Linette Marie Kofod (Jyllinge, Denmark), Ejvind Frausing Hansen, Barbara Cristina Brocki, Morten Tange Kristensen, Nassim Roberts, Elisabeth Westerdahl

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
Nazire Nur Yıldız (Niğde, Turkey), Meral Boşnak Güçlü, Riad Bejta, Nilgün Yılmaz Demirci

Prognostic value of the 6-minute-walk-test derived attributes in patients with IPF
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

Discussion and Q&A

Strauss 1  
Session 14:15 - 15:30

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)

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 Erkosar, 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), Xiyue 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, Xiawei Zhang, Theodoros Kapellos, Paul Klehnerman

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 Maegregor
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 Ratjen, Hartmut Grasemann

Discussion and Q&A

A1 Session 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)

Reduction in exacerbations with itepekimab in former smokers with chronic obstructive pulmonary disease (COPD) by prior exacerbation frequency
Klaus F. Rabe (Kiel, Germany), Stephanie A Christenson, Arnaud Bourdin, Dave Singh, Nicola Hanania, Amy Praestgaard, Xavier Soler, Michel Djanjic, Yamo Deniz, Paul J Rowe, Harry Sacks, Juby Jacob-Nara

A phase 2 study of SelK2 on sputum cell counts in COPD
Dave Singh (Manchester, United Kingdom), Alex Mulvanny, Naimat Khan, Russell Rother

Depemokimab PK/PD in the 52-week randomised double-blind multicentre Phase III SWIFT-1 trial
Ian Douglas Pavord (Oxford (Oxfordshire), United Kingdom), Stein Schalkwijk, Anders Thorsted, Nicholas Bird, Loretta Jacques, Stepanie Korn

Enhanced in vitro potency of depemokimab for interleukin-5 inhibition versus mepolizumab
David Jackson (London, United Kingdom), Parmjit Bahra, Karen Affleck, James Zangrilli, Peter Howarth, Tricia Finney-Hayward, Dave Singh

Dupilumab reduces mucus plugging and volume: phase 4 VESTIGE trial
Celeste Michala Porsbjerg (Copenhagen, Denmark), Eleanor Dunican, 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, Lucia De Prado Gómez, Harry Sacks, Juby Jacob-Nara

Tezepelumab reduces the expression of MUC5AC in patients with asthma
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

32-week data from a multiple ascending-dose study with verekitug, a novel antibody to the human TSLP receptor (TSLPR), in adults with asthma
Aaron Deykin (Cambridge, United States), Chaim M. Brinkman, Peter Lloyd, Ivan Nestorov, Ashish Kalra, Subhabrata Biswas, Arkadeep Sinha, Sumathi Sivapalasingam, Oren Becker, Dave Singh

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 Molfin, 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

Lehar 3 Session 14:15 - 15:30
Oral presentation: Best abstracts in pulmonary rehabilitation and chronic care

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)
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

Post-Hospital COVID-19 Rehabilitation (PHOSP-R): A randomised controlled trial

Impact of omitting annual reviews for COPD on patient-reported care quality
Parris Williams (London, United Kingdom), Leena Bachir, Andrew Cumella, Keir Philip, Micheal Polkey, Anthony Laverty, Nicholas Hopkinson

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

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

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, Aaroinola Olayi, Hnin Aung, Theresa Harvey-Dunstan, Sally Singh, Rachael Evans, Neil Greening, Michael Steiner, Alex Sutton, Lorna Latimer

Integrating palliative care education in pulmonary rehabilitation - a feasibility study
Maria Aurora Pinto Mendes (Penafiel, Portugal), Daisy J A Janssen, Alda Marques

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

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

Discussion and Q&A

---

**Skills lab: Imaging in interstitial lung diseases**

**Aims:** Radiological interpretation of ILDs is challenging but one of the most important diagnostic procedures in the workup of interstitial lung diseases. Aim of this "skills" lab is to obtain skills in HRCT reading, learning about the appropriate technique of thin thickness CTs for ILDs and the interpretation of radiological patterns. Teaching will include cases 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)

**15:15** Introduction

**15:20** High Resolution CT reading
Claus Peter Heussel (Heidelberg, Germany)

**15:50** Discussion and Q&A

---

**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  Early diagnosis of pleural infection and impact on hospitalisation and survival
Søren Helbo Skaarup (Aarhus C, Denmark)

15:45  Early management of pleural infection
Eva Polverino (Barcelona, Spain)

16:00  Early detection and management of treatment failure of pleural infection
Eihab Bedawi (Sheffield, United Kingdom)

16:15  Pleural infection in low-to-middle-income countries
Jane Shaw (Cape Town (Cape), South Africa)

16:30  Discussion and Q&A

C3 (live-streamed)  Session  15:30 - 17:00

Symposium: Development of chronic lung diseases: from life-spanning mechanisms to preventive therapy

Lung Science Conference special session

Aims : In this session, we would like to provide you with the highlights of the Lung Science Conference 2024 that took place in Estoril in March this year. The topic of this year's conference was on 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)

15:30  Epidemiological prediction of the incidence of chronic lung diseases
Shyamali Dharmage (Carlton Victoria, Australia)

15:45  COPD, biomarkers and lung function trajectories
Rosa Faner Canet (Barcelona, Spain)

16:00  Epigenetic deregulation in AT2 cells impairs alveolar regeneration in COPD
Renata Jurkowska (Cardiff (Wales), United Kingdom)

16:15  Modeling trajectories of severe early-onset COPD using human induced pluripotent stem cells (iPSC).
Engi Ahmed (Montpellier, France)

16:30  Discussion and Q&A

C5 (live-streamed)  Session  15:30 - 17:00

Hot topics: Metabolic changes in chronic lung disease

Aims : The aim of this symposium is 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, COPD and ARDS, with 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)
### C6 (live-streamed) Session 15:30 - 17:00

**Hot topics: Lost in translation: bronchiectasis from childhood to adult age. Were are we now? Bronchiectasis as a lifelong disease and transition between ages.**

**Aims:** Lack of evidences about the evolution of Bronchiectasis from childhood to adulthood prevents from developing evidence-base transition protocols. In fact, no official protocol has been published yet, nor from scientific societies, nor from single-center experiences. The aim of this session is to join pediatricians and adult physicians working in the field in order 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 identify elements applicable to BE; to compare real-life transition experiences between different geographic contexts; to impulse the creation of working groups focusing on the clinical and translational study of the evolution of BE with pediatric 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)

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>15:30</td>
<td>A lifelong story: what do we know about bronchiectasis evolution through ages</td>
<td>Laura Garriga Grimau (Barcelona, Spain)</td>
</tr>
<tr>
<td>15:45</td>
<td>Not just a smaller lung: peculiarities of the airways in the adolescence</td>
<td>Ahmad Kantar (Bergamo (BG), Italy)</td>
</tr>
<tr>
<td>16:00</td>
<td>Implementing a transition program in BE: where do we start from, lessons from other respiratory diseases, building a multidisciplinary team.</td>
<td>Anne Chang (Brisbane (QLD), Australia)</td>
</tr>
<tr>
<td>16:15</td>
<td>Patient perspectives and expectations throughout life with bronchiectasis</td>
<td>Michal Shteinberg (Haifa, Israel)</td>
</tr>
<tr>
<td>16:30</td>
<td>Discussion and Q&amp;A</td>
<td></td>
</tr>
</tbody>
</table>

### 15:30-16:15  
**INDUSTRY SKILLS LAB WORKSHOP**  
SEE PAGE 1

**Clinical trials session: ALERT 2:**

**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.

**Chairs:** Kristin Walter (Chicago, United States)

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>15:30</td>
<td></td>
</tr>
<tr>
<td>15:37</td>
<td></td>
</tr>
<tr>
<td>15:44</td>
<td></td>
</tr>
</tbody>
</table>
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)

**15:30** Case 1 incl. panel discussion and Q&A - Submitter: V. Mirra (Italy)
Marion Delcroix (Leuven, Belgium)

**15:52** Case 2 incl. panel discussion and Q&A - Submitter: S. Wickramasinghe (Sri Lanka)
Gabor Kovacs (Graz, Austria)

**16:14** Case 3 incl. panel discussion and Q&A - Submitter: S. Salim (India)
Marion Delcroix (Leuven, Belgium)

**16:36** Case 4 incl. panel discussion and Q&A - Submitter: F. Urbani (Italy)
Gabor Kovacs (Graz, Austria)

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.

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

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

**Tag(s):** Clinical

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

**Chairs:** Peter J. Wijkstra (Groningen, Netherlands), Claudia Crimi (Catania (CT), Italy)

**15:30** Telerehabilitation for chronic respiratory diseases: the global picture
Emily Hume (Newcastle Upon Tyne, United Kingdom)

**15:45** Telerehabilitation for chronic respiratory diseases: an approach by disease
Narelle Cox (Melbourne (VIC), Australia)

**16:00** Implementing a successful telerehabilitation programme: practical tips in COPD
Henrik Hansen (Dragør, Denmark)

**16:15** Discussion and Q&A
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.

Tag(s): Translational

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: Thomas Gille (Bobigny, France), Mona Lichtblau (Zürich, Switzerland)

15:45 The right indicators to evaluate research
Clara Locher (Rennes, France)

16:00 Improving inclusivity in respiratory research and medicine

16:15 Mina Gaga Lecture
Sara Cuevas Ocaña (Nottingham, United Kingdom)

16:30 Early career member opportunities and how to get involved with ERS
Sara Cuevas Ocaña (Nottingham, United Kingdom)

16:45 Discussion and Q&A

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

Tag(s): Clinical, Translational

Chairs: Kevin Blyth (Glasgow (Glasgow), United Kingdom), Chair to be confirmed

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

Correlating volatile diagnostic biomarkers in exhaled breath to computed tomography imaging in an asbestos-exposed population
Kathleen Zwijnen (Wilrijk, Belgium), Joris Van Cleemput, Caroline Jonckheere, Tom Richart, Veerle Surmont, Jan P. Van Meerbeeck, Annelies Janssens, Jo Raskin, Annemieke Snoeckx, Kevin Lamote

Characterising Tissue Resident Memory (Trm) CD8+CD103+ T-cells in Malignant Pleural Effusion (MPE)
Delaney Charles Conleth Dominey-Foy (Oxford, United Kingdom), Xuan Yao, Wenbo Wang, Nikolaos Kanellakis, BeiBei Wang, Adam Bates, Sam Farrar, Yu Zhao, Maya Pidoux, Guihai Liu, Megat Bin Abd Hamid, Nikita Manohara, Beenish Iqbal, Najib Rahman, Yanchun Peng, Tao Dong

Origins of pleural effusion CD8+ T cells reveal tumoral immune microenvironment
Yanqi He (Chengdu (Sichuan), China), Sifan Zhang, Suyu Liu, Xuyu Cai, Weiya Wang, Ye Wang

Impact of Indwelling Pleural Catheter specific educational tools on unplanned hospital encounters and caregiver training
Jing Ying Kendra Tang (Singappore, Singapore), Ming Qin Fena Lee, Jun Jie Aaron Tan, Junyang Ken Goh, Qiao Li Esther Tan, Kah-Lai Carrie Leong, Chiew Sian Ivana Phua, Jing Yi Jane Wong, Wen Ting Lim, Siling Young

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.
Sotirios Zarogiannis (Larisa, Greece), Rajesh Jagirdar, Eleftherios Papazoglou, Erasmia Rouka, Sotirios Sinis, Evgeniy Solenov, Chrissi Hatzoglou, Konstantinos Gourgouliani

Update on the STREAMLINE Feasibility Clinical Trial (early pleural biopsy + indwelling pleural catheter in malignant pleural effusion)
Dinesh Addala (Oxford, United Kingdom), Alguili Elsheikh, Wu-Mei Chew, Beenish Iqbal, Anand Sundaralingam, Craig Mounsey, John Wrightson, Rob Hallifax, Najib Rahman
Comparison of Five Prognostic Scores for Association with Mortality in Malignant Pleural Effusion
Merve Ayık Türk (Izmir, Turkey), Ozer Ozdemir, Yunus Türk, Berna Kömürçüoğlu, Gülru Polat

Comparative cell-free mutation analysis for diagnosis of malignant pleural effusion in lung cancer patients
Armin Frille (Leipzig, Germany), Mathias Stiller, Alexandra Wald, Hans-Jürgen Seyfarth, Michael Metze, Martin Platz, Irene Krücken, Myriam Boeschen, Hendrik Bläker, Hubert Wirtz, Maximilian Von Laffert

Discussion and Q&A

### Session 1: 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

**Tag(s):** Clinical

**Chairs:** Elisabetta Renzoni (London, United Kingdom), Chair to be confirmed

**Performance Evaluation and Validation of e-Lung in non-IPF fibrotic ILD**
Michael Kreuter (Mainz, Germany), Peter George, Katharina Abbasi Dezfooli, Yao Kou, Alik Fistostratoudaki, Claire Fernandez, Finja Ottink, Wassim Bou-Zeid, Christian Rennison-Jones, Stephen Gerry, Olivier Joly, George Harston, Anand Devaraj

**Predictive biomarkers of interstitial changes after COVID19**
Marta Hernández Argudo (Barcelona, Spain), Guadalupe Bermudo, Vanesa Vicens Zygmunt, Guillermo Suárez Cuartín, Celia Montaño Montaño, Andrea Martín Gonzalez, Jaime Bordas Martinez, Santiago Bolivar Cuevas, Belen Del Rio Carrero, Francisco Rivas Dougaytje, Mari Paz Fuset Cabanes, Joan Sabater Riera, Salud Santos Pérez, Maria Molina Molina

**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 Dalpiaz, Adrian Gaser, Marcos Rossemfet, Pierre-Antoine Juge, Chiara Bertolazzi, Maricel Della Maggiora, Paola Oruschio, Nestor Avgoustidis, Alan Quintana-Rodriguez, Barbara Perez Cepas, Emilce Sneeberger, Prodromos Sidropoulos, Nicolas Lloves Sehenone, Katerina Antioniou

**Bronchoalveolar lavage fluid analysis in patients with checkpoint inhibitor pneumonitis**
Ruxuan Chen (Beijing, China), Yujie Shi, Hui Huang, Nan Fang, Mengzhao Wang, Zuojun Xu

**Short telomere length is associated with disease progression in rheumatoid arthritis-associated interstitial lung disease**

**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

**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

**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

**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

### Discussion and Q&A

---

### Session 2: 15:45 - 17:00

**Oral presentation: General characteristics of cystic fibrosis and impact of cystic fibrosis transmembrane conductance regulator modulators on the disease**

---
A 10-year cost trajectory study in children with cystic fibrosis in France
Philippe Reix (Bron, France), Erika Guyot, Manon Blesassen, Floriane Deygas, Marjorie Berard, Eric Van Ganse, Jean-Christophe Dubus, Isabelle Sermet-Gaudelus, Isabelle Durieu

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

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, Phillippa Edmiston, Daniel Yeoh, Ho Yin Ho, Andrew Wilson, Yuliya Karpievitch, Andrew Moeller

Real-life effect of elixacaftor/tezacaftor/ivacaftor therapy on microbiological findings in patients with Cystic fibrosis
Francesca Lucca (Verona, Italy), Giulia Cucchietto, Giulia Paoli, Sonia Volpi, Ilaria Meneghelli, Emily Pintani, Marco Cipolli

Efficacy of Elaxacaftor/Tezacaftor/Ivacaftor after market authorization in pwCF
Andreas Jung (Winterthur, Switzerland), Srdjan J. Micic, Eugène Collaud, Anna Zolin, Alexander Moeller

Long-term outcomes in people with CF lacking early spirometry response to elixacaftor/tezacaftor/ivacaftor therapy
Mohamad Hadhud (Jerusalem, Israel), Joel Reiter, Elad Ben Meir, Alex Gileles-Hillel, Ido Sadrads, Eitan Kerem, Malena Cohen-Cymerkohn, Oded Breuer

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, Hatice Cömert, Majbritt Presfeldt, Mathias Holgersen, Frederik Buchvald, Marianne Skov, Kim G. Nielsen

Thermal and mechanical pain thresholds in children and young adults with cystic fibrosis and primary ciliary dyskinesia
Stefanie Dillenhöfer (Dortmund, Germany), Lisa Sophie Demski, Lea Christiane Beermann, Anne Schlegtendal, Folke Brinkmann, Christoph Maier, Thomas Lücke, Anna Teresa Hoffmann, Lynn Eitner

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 Stiek, Adelaide Withers

A3 Session 15:45 - 17:00
Oral presentation: Clinical and biological outcomes in asthma

Multi-variate prognostic relations of asthma attack risk factors in the ORACLE patient-level meta-analysis

An Observational and Translational Pilot Study Phenotyping the Responses to Systemic Corticosteroids in the Management Asthma Attacks (PRISMA): interim translational results
Carlos Andrés Celsi Preciado (Bogotá (Cundinamarca), Colombia), Simon Leclerc, Martine Duval, Dominic Cliche, Félix-Antoine Vézina, Pierre Larivée, Samuel Lemaire-Paquette, Simon Lévesque, Philippe Lachapelle, Simon Couillard
Dose-dependent association between inhaled corticosteroids and risk of corticosteroid related adverse events in asthma
Anna von Bülow (Vedbæk, Denmark), Susanne Hansen, Patrik Sandin, Olivia Ernströsser, Alexandree Cooper, Kirk Geale, Lauri Lehtimäki, CharlotteUlrik, Bernt Bøgvald Aarli, Pinja Ilmarinen, Sylvia Packham, Ghada Hassan, Vibeke Backer, Alan Altraja, Helena Backman, Paula Kauppi, Asger Sverrild, Valentina Yasinsula, Maritta Kilpeläinen, Arja Viinanen, Jussi Karjalainen, Apostolos Bossios Bossios, Celeste Porsbjerg, Christer Janson, Hannu Kankaanranta

Nasal sampling identifies disease-relevant signals in a real-world airways disease cohort
Adnan Azim (Bournemouth (Dorset), United Kingdom), Arun Jayaraman, Zhi Liu, Gary Anderson, Philip Z Brohawn, Stephanie A Christenson, Grete De Baets, Rosana Faner, Rod Hughes, Hana Müllerová, Daniel Muthas, Lisa Øberg, Kristoffer Ostridge, Adam Platt, Ian C Scott, Maarten Van Den Berge, - For The Novelty Scientific Community And The Novelty Study Investigators

Follow-up of airway inflammation of asthmatic patients using an Artificial Intelligence driven sputum cell count and classification
Adeline Rosu (Belgium), Adrien Onssels, 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

The Asthma Control Test as a predictive tool for hospitalization and death
Johanna Karlsson Sundbaum (Luleå, Sweden), Stina Selberg, Lowiee.G.W Vanfleteren, Apostoloss Bossios, Jon R. Konradsen, Caroline Stridsman

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

Clinical outcome of mild to very-mild asthma with high sputum eosinophils: a prospective longitudinal study.
Andréanne 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

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

Discussion and Q&A

17:30-19:00
INDUSTRY EVENING MINI SYMPOSIUM ➔ SEE PAGE 1

17:30-19:00
INDUSTRY EVENING SYMPOSIUM ➔ SEE PAGE 1
## 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)

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:00</td>
<td>Radiological assessment of pulmonary hypertension</td>
<td>Lilian Meijboom (Amsterdam, Netherlands)</td>
</tr>
<tr>
<td>08:00</td>
<td>Pathological assessment of pulmonary hypertension</td>
<td>Peter Dorfmüller (Giessen, Germany)</td>
</tr>
<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>
</tr>
<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>
</tr>
</tbody>
</table>

## 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)

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:40</td>
<td>Radiological assessment of pulmonary hypertension</td>
<td>Lilian Meijboom (Amsterdam, Netherlands)</td>
</tr>
<tr>
<td>10:40</td>
<td>Pathological assessment of pulmonary hypertension</td>
<td>Peter Dorfmüller (Giessen, Germany)</td>
</tr>
<tr>
<td>10:40</td>
<td>Echocardiography in pulmonary hypertension</td>
<td>Marielle van de Veerdonk (Amsterdam, Netherlands), Abdul Hameed (Sheffield (South Yorkshire), United Kingdom)</td>
</tr>
<tr>
<td>10:40</td>
<td>Clinical assessment of pulmonary hypertension</td>
<td>Anton Vonk Noordegraaf (Amsterdam, Netherlands), Robin Condliffe (Sheffield (South Yorkshire), United Kingdom)</td>
</tr>
</tbody>
</table>

## Skills workshop: SW15 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**: Robin Condliffe (Sheffield (South Yorkshire), United Kingdom)

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>14:30</td>
<td>Radiological assessment of pulmonary hypertension</td>
<td>Andy Swift (Sheffield (South Yorkshire), United Kingdom)</td>
</tr>
</tbody>
</table>
Pathological assessment of pulmonary hypertension
Peter Dorfmüller (Giessen, Germany)

Echocardiography in pulmonary hypertension
Marielle van de Veerdonk (Amsterdam, Netherlands), Abdul Hameed (Sheffield (South Yorkshire), United Kingdom)

Clinical assessment of pulmonary hypertension
Robin Condliffe (Sheffield (South Yorkshire), United Kingdom), Anton Vonk Noordegraaf (Amsterdam, Netherlands)

Session 08:00 - 10:40
Skills workshop: SW16 Thoracic ultrasound basic principles

Aims: To describe the current use of thoracic ultrasound; to provide participants an opportunity to perform this technique using training models, simulators, volunteers and patients.

Disease(s): Thoracic oncology, Interstitial lung diseases

Method(s): General respiratory patient care, Imaging

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

Chairs: Christian B. Laursen (Odense M, Denmark)

08:00 Introduction
Christian B. Laursen (Odense M, Denmark)

08:20 Normal thoracic cavity
Casper Falster (Odense, Denmark), Jesper Rømhild Davidsen (Odense C, Denmark)

08:20 Pleural effusion and/or pleural thickening
Gilles Mangiapan (Creteil, France), Pia Iben Pietersen (Odense C, Denmark)

08:20 Case studies
Rob Hallifax (Oxford (Oxfordshire), United Kingdom)

08:20 Guided interventions
Søren Helbo Skaarup (Aarhus C, Denmark), Rahul Bhatnagar (Bristol, United Kingdom)

Session 11:00 - 13:40
Skills workshop: SW17 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: Najib M. Rahman (ABINGDON, United Kingdom)

11:00 Introduction
Najib M. Rahman (ABINGDON, United Kingdom)

11:20 Normal Thoracic Cavity
Morten Bendixen (Skejby, Denmark), Silvia Mongodi (Pavia, Italy)

11:20 Pleural effusion and/or pleural thickening
Pia Iben Pietersen (Odense C, Denmark), Giovanni Volpicelli (Torino (TO), Italy)

11:20 Case studies
Radhika Banka (Mumbai (Maharashtra), India)

11:20 Guided interventions
Dinesh Addala (Oxford, United Kingdom), Gilles Mangiapan (Creteil, France)

Session 14:30 - 17:10
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)

### PS-23 Session
**08:00 - 09:30**

#### PS-23 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)

<table>
<thead>
<tr>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>The roles of bacteria and viruses in COPD-Bronchiectasis association: A prospective cohort study</td>
<td>ZHENFENG HE (Guangzhou, China), Shengzhu Lin, Shanshan Zha, Nan-Shan Zhong, Wei-Jie Guan</td>
</tr>
<tr>
<td>Sputum Microbiome and clinical outcomes of Asthma-Bronchiectasis Overlap: A Prospective Cohort Study</td>
<td>Jiahui He (Guangzhou, China), Xiaoxian Zhang, Zhenfeng He, Zhaoming Chen, WeiJie Guan, Zhang Wang</td>
</tr>
<tr>
<td>The impact of mannose-binding lectin (MBL) deficiency on bronchiectasis in Alpha-1 Antitrypsin Deficiency</td>
<td>Camilla Conta (Howth, Ireland), Suzanne Roche, Daniel D. Fraughen, Malcolm Herron, Ronan Heeney, Orla Holmes, Cedric Gunaratnam, Tomás P. Carroll, Noel Gerry Mcelvaney</td>
</tr>
<tr>
<td>Assessment of bronchodilator response in patients with bronchiectasis - a randomized controlled study</td>
<td>Mordechai Pollak (Petah Tikva, Israel), Ronen Bar Yoseph, Moneera Hanna, Noa Serruya, Lea Bentur, Guy Gut, Gur Michal</td>
</tr>
<tr>
<td>Urban-rural disparities in pneumonia in chronic obstructive pulmonary disease in Denmark: a nationwide register-based cross-sectional study</td>
<td>Anders Lokke (Vejle, Denmark), Allan Klitgaard, Rikke Ibsen, Ole Hilberg</td>
</tr>
<tr>
<td>Oxygenated Hemoglobin: An Indicator of Severe Community-Acquired Pneumonia in Chronic Obstructive Pulmonary Disease Patients</td>
<td>Warda Jelassi (Tunis, Tunisia), Sonia Toujani, Khadija Euchi, Sana Cheikhrouhou, Yacine Ouahchi, Meriem Mjid, Abir Hedhli, Besma Dhahri</td>
</tr>
<tr>
<td>Both Phage and vaccine Prevenar-13 prevent patients with COPD form community acquired pneumonia</td>
<td>Rano Nalibaeva (Tashkent, Uzbekistan), Irina Liverko</td>
</tr>
<tr>
<td>The relationship between nasopharyngeal, oropharyngeal and sputum microbiota in patients with Chronic Obstructive Pulmonary Disease</td>
<td>Ellie Kewin (Dundee, United Kingdom), Hollian Richardson, Chandani Hennayake, Daniela Alferes De Lima Headley, Merete Long, James D Chalmers, Alison J Dicker</td>
</tr>
<tr>
<td>Increased burden of respiratory syncytial virus (RSV) disease in adults with asthma: a systematic literature review (SLR)</td>
<td>Yolanda Penders (Wavre, Belgium), Estefania Betancur, Pouya Saeedi, Lauriane Harrington, Jean-Philippe Michaud</td>
</tr>
<tr>
<td>Evaluating the impact of short-chain fatty acids on lung cell physiology and antibiotic susceptibility of respiratory pathogens in COPD</td>
<td>Gilles De Meester (Ghent, Belgium), Merel Wauters, Tom Coenye, Aurélie Crabbé</td>
</tr>
</tbody>
</table>
Microbiology in Swedish patients with bronchiectasis and comorbid airway disease: Data from a tertiary European Bronchiectasis registry (EMBARC) center.
Nimo Osman (Stockholm, Sweden), Pia Ghosh, Malin Sande, Nikolaos Lazarinis, James D Chalmers, Anders Lindén, Apostolos Bossios

Association between Respiratory Syncytial Virus (RSV) and asthma/wheeze in Swedish children 2006-2018: results from the BRICS study
Oliver Marty (Oesterbro, Denmark), Anna Giertz, Malin Ryd Rinder, Sven Arne Sifverdal, Mathieu Bangert, Lena Svensson, Emma Lund, Martina Aldvén, Lena Jacobs, Anton Holmgren

Long-term antimicrobial trends in people living with chronic lung disease: An AMR-Lung ERS clinical research collaborative proof-of-concept study
Freddy Frost (Liverpool, United Kingdom), Miquel Ekkelenkamp, Stephanie Thee, Anand Shah

Airway Thickening, Mucus Plugs and Eosinophilia in Bronchiectasis and Asthma
Tjeerd van der Veer (Amsterdam, Netherlands), Gert-Jan Braunstahl, Punit Makani, Harm Tiddens

Alpha-1 antitrypsin genotype and Pseudomonas aeruginosa chronic airway infection in bronchiectasis patients
Ane Martinez (Barcelona, Spain), Carmen Lorens, Mireya Fuentes, Javier Burgos, Letizia Traversi, Eva Polverino, Lidia Perea, Oriol Sibilia, Guillermo Suárez-Cuartin

Bronchoscopic innovations in managing atypical lung infections: A Case Series
Shyam Krishnan (Kolkata (West Bengal), India), Armita Bhattacharyya, Soumya Mishra, Nivedita Bhattacharjee, Aritra Maity, Deepnarayan Mukherjee, Raja Dhar

Burden of viral infections in an acute respiratory unit.
Melissa Ferraris (Genoa, Italy), Cesare De Tommaso, Nicole Colombo, Stefano Mangano, Fulvio Braido

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 Phophiboon

Improving outcomes in bronchiectasis through a treatable traits approach- an implementation study
Kirsty Watson (Lammermoor, Australia), Annemarie Lee, Tiffany Dwyer, Zoe Mc Keough

PS-29 Session 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)

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 Furián, Stéphanie Saxer, Silvia Ulrich

Fluid restriction in patients with pulmonary arterial hypertension and right heart failure
Ekkehard Grünig (Heidelberg, Germany), Benjamin Egenlauf, Nicola Benjamin, Carolin Resag, Panagiota Xanthouli, Sainath Harutyunova, Christina A. Eichstaedt

Treatment and mortality in mild SSc-PAH
Hilde Jenssen Bjørkøkkjaer (Kristiansand, Norway), Cosimo Bruni, Cathrine Brunborg, Patricia Carreira, Paolo Airó, Carmen Pilar Simeón-Aznar, Marie-Elise Truchetet, Alessandro Gioillo, Alexandra Balbir-Gurman, Michael Martin, Christopher P Denton, Armando Gabrielli, Håvard Fretheim, Helle Bitter, Øyvind Midtvedt, Kaspar Broch, Arne Andreassen, Sverre Høie, Yoshiya Tanaka, Gabriela Riemekasten, Ulf Müller-Ladner, Marco Maturi-Cerinic, Ivan Castellvi, Elise Siegert, Eric Hachulla, Øyvind Molberg, Oliver Distler, Anna-Maria Hoffmann-Vold

Effect of treatment with ambrisentan in patients with systemic sclerosis and mild pulmonary arterial hypertension: long-term follow-up data from EDITA study
Satenik Harutyunova (Heidelberg, Germany), Panagiota Xanthouli, Paul Uebeck, Hanns-Martin Lorenz, Norbert Blank, Christina Eichstaedt, Benjamin Egenlauf, Gerry Coghlan, Christopher Denton, Nicola Benjamin

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
Efficacy of macitentan/tadalafil single-tablet combination therapy vs pooled monotherapy in pulmonary arterial hypertension (PAH): A DUE post hoc analysis
Ekkehard Grüning (Heidelberg, Germany), Fenling Fan, Kelly M. Chin, Assunta Senatore, Jakob A. Hauser, Michael Friberg, Hany Rofael, Pavel Jansa

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

Long-term oxygen therapy in precapillary pulmonary hypertension - the SOPHA study.
Satnik Harutyunyova (Heidelberg, Germany), Nicola Benjamin, Ischan Echampati, Christina Alessandra Eichstaedt, Benjamin Eigenlauf, Silvia Grünig, Ekkehard, Xanthouli Panagiota

Real-world treatment patterns and all-cause mortality of pulmonary arterial hypertension in Europe
Katia Mc Verhamme (Rotterdam, Netherlands), Johannya T. Arinze, Romain Griffier, Cesar Barboza, James Brash, Marek Oja, Hezekiah Omulo, Dina Vojinovic, Sarah Seager, Antonella Delmestri

Acute effects of sildenafil 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 Saxon, 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 Saxon, 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 Saxon, Meret Bauer, Mirjam Schmucki, Esther I. Schwarz, Elizabeth 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 Budhram (Calgary, Canada), Jamie Myrah, Courtney Gubbels, Cindy WestherfOT, Wendimagegn Alemayehu, Evelyn Rudd, 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, Livio Giuliani, Roberto Badagliacca, Pietro Ameri, Fabiana Baldi, Federico Guerra, Emma Di Poi, Marco Vicenzi, Edoardo Aiò, Marco Corda, Lorenzo Dagna, Cristina Puccinino, Paolo Ferrero, Alessia Uglieri, 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
Khadele Saleh (Abu Dhabi, United Arab Emirates), Jihad Mallat, Simi Salim, Ahmed Zyara, Venkat Aurav, Suleim Syeda, Hani Sabbour

Real-world experience with selexipag in patients with pulmonary arterial hypertension in North America and Europe
Nick Kim (La Jolla, United States), Murali M Chakinala, Kelly M Chin, Eva-Maria Didden, Gurinderpal Doad, Harrison W Farber, Sean Gaine, Anna R Hennes, Kristin B Highland, Tobias J Lange, Vallerie Mclaughlin, Audrey Muller, Mohammad Rahman, Tatiana Remenova, Stefan Söderberg, Apoorva Venkatesh, Pilar Escribano Subias

Impact of rehabilitation on physical activity in patients with pulmonary vascular disease
Stéphanie Saxon (Zürich, Switzerland), Julian Müller, Simon Schneider, Katia Gmür, Mona Lichtblau, Silvia Ulrich
**PS-17**

Session 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)

---

**Diagnosing Preschool Asthma: Remote Breath VOC Analysis with SESI-HRMS**

Rémy Bourgeois (Chur, Switzerland), Yvette Baumann, Nathán Perkins, Katharina Rohrbach, Srdjan Micic, Alexander Moeller

---

**Assessing mass spectrometry breath test methods for asthma diagnosis in wheezing preschool children**

Moniek van Aarle (Eindhoven, Netherlands), Sophie Kienhorst, Raffaele Vitale, Rijn Jöbsis, Michiel Bannier, Onno Van Schayck, Agnieszka Smolinska, Edward Dompeling

---

**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

---

**Bronchodilator response testing in pediatric asthma patients**

Jacob McCoy (Toronto, Canada), Johann-Christoph Licht, David Wilson, Hartmut Grasemann

---

**Clinical and functional characteristics of children with asthma based on bronchodilator responsiveness**

Amani SAYHI (Tunis, Tunisia), Chaïma Briki, Narjes Ben Abbes, Wiem Ben Hmid, Ines Ghannouchi, Sonia Rouatbi

---

**Comparison of bronchodilator responsiveness interpretation in asthmatic children by old versus new ERS/ATS criteria**

Prawin Kumar (JODHPUR, India), Nikhil Rajvanshi, Kalyana Prabhakaran, Sathya Srivatsav, Jagdish Goyal

---

**The free running asthma test: A useful tool in pediatric asthma assessment?**

Sabrine Louhaichi (Ariana, Tunisia), Besma Hamdi, Khouloud Kchaw, Yusra Yahyaoui, Jamel Ammar, Agnes Hamzaoui

---

**Urine metabolomics and asthma in children and young adults.**

Susanna Klevebro (Segeltorp, Sweden), Benimia Habchi, Shizhen He, Sophia Björkander, Sandra Ekström, Zhebin Yu, Inger Kull, Anna Bergström, Romanas Chaleckis, Craig Wheelock, Erik Melén

---

**Children's emergency department airwave oscillometry in school-age children with acute wheezing**

Saxon Law-Gleen (Leicester, United Kingdom), Senali Seneviratne, Damian Roland, Erol Gaillard

---

**Forced oscillation technique to discriminate between healthy, asthmatic, and transient wheezing preschool children**

Sophie Kienhorst (Maastricht, Netherlands), Moniek Van Aarle, Anke Merks, Michiel Bannier, Quirijn Jöbsis, Onno Van Schayck, Edward Dompeling

---

**Diagnostic value of SIFT-MS and GC-ToF-MS analysis of exhaled breath for asthma diagnosis in school-aged children**

Sophie Kienhorst (Maastricht, Netherlands), Moniek Van Aarle, Raffaele Vitale, Quirijn Jöbsis, Michiel Bannier, Onno Van Schayck, Agnieszka Smolinska, Edward Dompeling

---

**Salivary microbiome as a prognostic biomarker for asthma attacks in children: results from a machine-learning approach in the SysPharmPediA study**

Shahriyar Shahbazi Khamas (Amsterdam, Netherlands), Paul Brinkman, Anne H Neerincx, Susanne Jh Vijverberg, 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 Corcuera-Elosegui, Leyre Lopez Fernandez, Olafia Sardón-Prado, Maria Pino-Yanes, Uroš Potočnik, Michael Kabesch, Aletta D Kranenveld, Mahmoud I. Abdel-Aziz, Anke H Maitland - Van Der Zee

---

**Improving asthma care in children: revealing needs and bottlenecks through in-depth interviews**

Casper Gijsen (Maastricht, Netherlands), Mariëlle Van Horck, Jean Muris, Edward Dompeling

---

**Determining Age for Skin Prick Tests in Pediatric Patients: Insights from Artificial Intelligence Analysis of a 30-Year Retrospective Study**

Hela Cherif (Tunis, Tunisia), Rym Mehdri, Salma Mokaddem, Soumaya Debbiche, Ines Hlel, Ferdaous Yangui, Mohamed Ridha Charfi

---

**Integrative analysis of the metabolic responses across tears and urine in allergic asthmatic children**

Marina Attanasi (Chieti (CH), Italy), Maria Concetta Cufaro, Annamaria Porreca, Laura Sgrazzutti, Beatrice Dufrusine, Ilaria Cicalini, Giulia Dodi, Paola Di Filippo, Sabrina Di Pillo, Francesco Chiarelli, Piero Del Boccio, Damiana Pieragostino
Monosensitization to mites in Greek children - the clinical significance and lung function.
EVANGELIA KOUTRA (ATHENS, Greece), Stavroula Lampidi, Despina-Zoe Mermiri, Paraskevi Korovessi, Stavroula Kostaridou, Athina Papadopoulou

Patterns of sensitization of asthmatic children in the post-COVID period in Georgia
Nana Chkhikvadze (Tbilisi, Georgia), Bidzina Kolumbegov, Maia Gotua

Sensitization to dog and cat allergen components and allergic symptoms among adolescents in Northern Sweden
Rebecca Johansson (Södra Sundrebyn, Sweden), Anna Winberg, Linnea Hedman, Eva Rönmark, Anders Bjerg

The interaction of atopy and reduced biodiversity of upper airway microbiome promotes higher nasal expression of IL-5 and asthma persistence in early childhood
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

Evolution of allergen sensitization patterns in children with preschool wheeze and asthma of the ALLIANCE cohort
Ruth Grychtol (Hannover, Germany), Bin Liu, Clemens Thölken, Adan Chari Jirmo, Lea Kronziel, Lennart Riemann, Nicole Svenman, Svenja Foth, Klaus Friedrich Rabe, Matthias Volkmann, Markus Ege, Bianca Schaub, Erika Von Mutius, David Deluca, Chrysanthi Skevaki, Gesine Hansen, Anna-Maria Dittrich

Poster session: Chronic obstructive pulmonary disease biomarkers: feasible options for clinicians?

Chair(s): Ian M. Adcock (London, United Kingdom), Maeva Zysman (cabanac et villagrains, France)

Association of serum surfactant protein-D levels with COPD severity and clinical history.
Hemant Kumar (Lucknow, India), Anuj Kumar Pandey, Ajay Kumar Verma, Arpita Singh, Surya Kant, Jyoti Bajpai

The relationship between airway thickness and persistent eosinophilia in COPD

Validation of exhaled volatile organic compounds as biomarkers for COPD exacerbations
Jorrit van Poelgeest (Amsterdam, Netherlands), Partricia Van Velzen, Anke-Hilse Maitland-Van Der Zee, Paul Brinkman

Mucus Plug Lobar Distribution in COPD Using Automatic AI-Based Mucus Plug Quantification
Tjeerd van der Veer (Amsterdam, Netherlands), Jean Paul Charbonnier, Rudolfs Latisenko, David Lynch, Harm Tiddens

Serum interleukin-22 levels in monitoring the effect of treatment with dual bronchodilation in patients with COPD: should it be considered?
Ieva Dimiene (Kaunas, Lithuania), Airidas Rimkunas, Inesa Jermalaviciene, Deimante Hoppenot, Skaidrius Miliauskas

DETECTION AND CHARACTERIZATION OF EXTRACELLULAR VESICLES IN SPUTUM OF COPD PATIENTS AND HEALTHY CONTROL
Ourania Kotsiou (Larissa, Greece), Irene Tsilioni, Erasmia Rouka, Katerina Katsanaki, Sophia Papatheanasiou, Dionysios Antonopoulos, Irene Gerogianni, Nikolaos Balatsos, Konstantinos Gourgoulianis

Airway microbiota as a biomarker in predicting COPD and control
Soilevi Tangedal (Bergen, Norway), Gunnar Husebo, Kristel Knudsen, Rune Nielsen, Tomas Mikal Eagan

Transfer coefficient and static hyperinflation as markers of COPD disease activity: Results from COSYCONET
Hendrik Pott (Weimar an der lahn, Germany), Barbara Weckler, Swetlana Gaffron, Roman Martin, Dieter Maier, Peter Alter, Frank Biertz, Tim Speichert, Wilhelm Bertram, Anna Lena Jung, Katrin Laakmann, Dominik Heider, Miel Wouters, Claus F. Vogelmeier, Bernd Schmeck

“High-Risk” Asian COPD characterized by mucus-metabolic-microbial dysbiosis
Oliver Ward Meldrum (Singapore, Singapore), Pei Yee Tiew, Huixing Xu, Jayanth Kumar Narayana, Fransiskus Xaverius Ivan, Tavleen Kaur Jaggi, John Arputhan Abisheganaden, Sanjay Haresh Chotirmall
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.
Inés 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 Vlaykova

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

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

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

PS-20 Session 08:00 - 09:30
Poster session: Rethinking respiratory muscles in health and disease

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

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

Tag(s): **Clinical**

Chairs: Alda Marques (Aveiro, Portugal), Nicola Sante Diciolla (Madrid, Spain)

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 Podgighie, 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 Ramírez-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 Gosselin, Daniel Langer

Learning effect of respiratory muscle endurance tests in healthy adults
Ana Lista Paz (A Coruña, Spain), Margarita Barral-Fernández, Loena Van BaeLEN, Linde Holmstock, Daniel Langer

Effect of functional inspiratory muscle training in chronic kidney disease
Merve Firat (Kırşehir, Turkey), Melda Saglam, Ebru Calik-Kutukcu, Deniz Inal-Ince, Selin Ardali-Duzgun, Tolga Yildirim, Ahmet Hakan Ates, Naciye Vardar-Yagli

Effects of inspiratory muscle training on cardiovascular autonomic functions in patients with COPD
Sauwaluk Dacha (Chiang Mai, Thailand), Pairoj Suraprapapich, Benjamas Chuaychoo, Wattana B. Watanapa

Efficacy of inspiratory muscle training compared to incentive spirometry in preoperative protocol for bariatric surgery
Luciana 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), Ece Baytok, Nilgün Yılmaz Demirci, Meral Boşnak Güçlü

Continuous measurements of respiratory muscle blood flow and oxygen consumption using non-invasive frequency near-infrared spectroscopy and diffuse correlation spectroscopy
Antenor Rodrigues (Toronto, Canada), Kazuya Shingai, Carlos A. Gómez, Peter Rassam, Dmitry Rozenberg, Ewan Goligher, Laurent Brochard, Darren Roblyer, W. Darlene Reed

Use of the expiratory flow accelerator during training in COPD pulmonary rehabilitation program
Salvatore Musella (Napoli, Italy), Elena Sciarilllo, 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 Toeceuoglu (ANKARA, Turkey), Eylem Tutun Yumin, Mustafa Hızal, 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, Mauricio 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 Firat (Kırşehir, Turkey), Melda Saglam, Ebru Calik-Kutukcu, Deniz Inal-Ince, Tolga Yildirim, Naciye Vardar-Yagli

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 Tokşer Bora

Maximal sniff nasal inspiratory pressure reference equations: a multicentre study
Ana Lista Paz (A Coruña, Spain), Rodolfo Torres-Castro, Daniel Langer, Luz González Doniz, Sonia Souto Camba, Margarita Barral-Fernández, M. Amalia Jácome Pumar, Jordi Vilàro, Elena Gimeno-Santos, Ane Arbillaga-Exarri, Ana B VaraS De La Fuente, Cristina Serrano Veguillas, Pilar Bravo Cortés, Esther García, Concepcion Martín Cortijo, José Luis Varela Felices, Rocío Martín-Valero, Beatriz Herrero-Cortina, Marina Francis Gallego, Carolina González Montañez, Antonio T. Rios Cortés, Yolanda Sanesteban Hermida, Esther Giménez Moolhuyzen, Jorge Álvarez Rivas, Guilherme Fregonezi, Alejandro Quintela Del Rio

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 Resquet
Pressure transmission in the upper airways during Inspiratory muscle training (IMT).
Tiina Andersen (Bergen, Norway), Petrine Veierod Solli, Anne Kristine Brekka, Ola Drange Roksund, Astrid Sandnes, Maria Vollseter, Hege Clemm, Merete Salveson Engeset, Thomas Halvorsen

---

**PS-9**

**Session**

08:00 - 09:30

**Poster session: Novel research data on asthma and chronic obstructive pulmonary disease management: clinical applications**

**Disease(s):** Airway diseases

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

**Tag(s):** Translational

**Chairs:** Charlotte Suppli Ulrik (Virum, Denmark), Efthymia Papadopoulou (Thessaloniki, Greece)

**Dupilumab attenuates mannitol airway hyper-responsiveness in uncontrolled severe type 2 high asthma**

Rory Chan (Glasgow, United Kingdom), Kirsten Stewart, Chris Kuo, Brian Lipworth

**Effects of biologics in obese severe asthmatic patients**

Marco Vanetti (TRAVEDONA MONATE, Italy), Francesco Ardesi, Sarah Grossi, Martina Zappa, Davide Aloisio, Rosella Centis, Patrizia Pignatti, Antonio Spanevello, Dina Visca

**Higher prevalence of dupilumab-induced ocular surface disease in Atopic Dermatitis compared to Asthma patients: a real life, observational study.**


**Baseline characteristics of patients with asthma initiating dupilumab in a real-world setting: the RAPID registry**

Njira Lugogo (Durham, United States), Anju T. Peters, Andreeanne 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

**Sputum profile of patients on dupilumab.**

Lynn Elsey (Hale, United Kingdom), Holly Montgomery, Gael Tavernier, Kathryn Prior

**Phase I, single-dose study to compare pharmacokinetics of depemokimab delivered by safety syringe device or autoinjector in healthy adults**

Stein Schalkwijk (London, United Kingdom), Jeff Min, Anusmita Sen, Sei Choi, Chiara Zecchin, Brian Spears

**Severe asthma biologics use in England: a need to increase use and reduce inequity**

Hitasha Rupani (Southampton, United Kingdom), Deepak Subramanian, Samantha Walker, Beverley Bostock

**Optimizing severe asthma care by consulting an asthma expertise team for biologics**

Paulien Linders (deventer, Netherlands), Eline Eskes, Daphne Schaminee, Bart Hilvering, Els Weersink

**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 Niñez, Javier Gallego Borrego

**The Impact of Biological Therapies and the Significance of Their Adherence on Asthma Outcomes**

Riyad Allehebi (Riyadh, Saudi Arabia), Razan Kharrarz, Ohowd Alrasheedi

**APPaRENT 1 & 2 surveys: post-hoc analysis to assess predictors of asthma treatment adherence**

Giorgio Walter Canonica (Milano (MI), Italy), Christian Domingo, Kim Lavoie, Amrit Kalia Sethi, Shireen Quli Khan, Anurita Majumdar, SOURABH FULMALI

**Mepolizumab in patients with asthma and features of COPD: A MENS/MUSCA post hoc analysis**

Ian Douglas Pavord (Oxford (Oxfordshire), United Kingdom), Peter Howarth, Robert Chan, Shibing Yang, Stefanie Kolterer, Lingjiao Zhang, Geoffrey Chupp

**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

**Risk of exacerbation and mortality in asthma – a 10-year retrospective financial database analysis**

András Südi (Budapest, Hungary), Balázs Sánta, Gábor Tomisa, Alpár Horváth, Veronika Müller, Lilla Tamásí, Noémi Eszes
High-dose inhaled corticosteroid use associated with increased cardiovascular risk in patients with asthma
Anna von Bülow (Vedbæk, Denmark), Susanne Hansen, Patrik Sandin, Olivia Ernstsson, Alexandre Cooper, Kirk Geale, Lauri Lehtimäki, Charlotte Ulrik, Bernt Bøgvald Aarli, Pinja Ilmarinen, Sylvia Packham, Ghada Hassan, Vibeke Backer, Alan Altraja, Helena Backman, Paula Kauppi, Asger Sverrild, Valentyna Yasinska, Marietta Kilpeläinen, Arja Viinanen, Jussi Karjalainen, Apostolos Bossios, Celeste Porsbjerg, Hannu Kankaanranta, Christer Janson

Asthma prescribing and reattendance in Emergency Care in a London District Hospital
Elspeth Carruthers (London, United Kingdom), Nitika Kaushal, Rosemary Clarke, Camilla Roberts, Andrew Singer

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 Wellalagodage, Jessica Luiz, Nick P. Talbot, Grant A.D. Ritchie, Ian D. Pavord, Nayia Petousi, Peter A. Robbins

The adherence in the NEWTON population: a preliminary assessment
Fulvio Braido (Genova, Italy), Kai-Michael Bech, Cristiano Caruso, Carolina Cisneros, Anh-Tuan Dinh Xuan, Lilla Tamási, Eleonora Ingrassia, Marielle Van Der Deijl, Luca Cavalieri, Alessio Piraino

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

NEWTON study: an interim assessment on asthma control in Europe
Fulvio Braido (Genova, Italy), Kai-Michael Bech, Cristiano Caruso, Carolina Cisneros, Anh-Tuan Dinh Xuan, Lilla Tamási, Eleonora Ingrassia, Marielle Van Der Deijl, Luca Cavalieri, Alessio Piraino

Poster session: Prematurity-associated respiratory sequelae, paediatric and neonatal respiratory support and monitoring techniques

Inflammation in exhaled breath condensate from children with prematurity-associated lung disease
Sarah Kotecha (Cardiff (South Glamorgan), United Kingdom), Patricia Dos Santos Rodrigues, Kylie Hart, Michael Cousins, Sailesh Kotecha

Pulmonary desmosome protein expression increases following inhaler therapy in preterm-born children with bronchopulmonary dysplasia
Chris Course (Cardiff, United Kingdom), Philip Lewis, Sarah J Kotecha, Michael Cousins, Kylie Hart, W. John Watkins, Kate J Heesom, Sailesh Kotecha

Impaired responses to oxidative stress in the airways of preterm-born school-aged children with a history of bronchopulmonary dysplasia
Chris Course (Cardiff, United Kingdom), Philip Lewis, Sarah J Kotecha, Michael Cousins, Kylie Hart, Kate J Heesom, W John Watkins, Sailesh Kotecha

Findings and complications of flexible bronchoscopy in infants with Bronchopulmonary dysplasia: a matched-control study
Inbal Golan-Tripto (Beer sheva, Israel), Noa Shemesh Gilboa, Micha Aviram, Aviv Goldbart, Guy Hazan, Noga Arwas, Itai Hazan, Daniel Yafit, Sergey Tsaregorodtsev

Lung function trajectories in very preterm infants
Emanuela Zannin (Milano (MI), Italy), Camilla Rigotti, Maria Luisa Ventura

Telemedicine tools for paediatric patients on home mechanical ventilation
Mirella Gaboli (Sevilla, Spain), Macarena Borrero Rodriguez, Maria José García Jesús, Alejandro Palomo Pavón, Julia Begara Bueno, José Antonio Ruiz Becerra, Norma Sánchez Fernández

Human-to-AI interrater agreement for lung ultrasound scoring in lung disease of prematurity
Emanuela Zannin (Milano (MI), Italy), Camilla Rigotti, Noreen Fatima, Federico Cattaneo, Umai Khan, Giulia Dognini, Xi Han, Maria Luisa Ventura, Libertario Demi
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

Volatile organic compounds and the relevance of background correction in the early prediction of bronchopulmonary dysplasia in preterm infants

Exhaled breath volatile organic compounds: window into preterm lung disease?

Pulmonary vascular malformations in genetic epileptic encephalopathy: a case report and future perspectives
Niccolò Garancini (Milano, Italy), Michele Ghezzi, Andrea Farolfi, Francesca Riccaboni, Vincenzo Guana, Valentina Fabiano, Enza D'Auria, Gian Vincenzo Zuccotti

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

Lung function in infants with congenital diaphragmatic hernia.
Stefano Nobile (Rome, Italy), Paola Catalano, Francesca Rittano, Sara Silvaroli, Lorenzo Nanni, Maria Giulia Conti, Greta Di Mattia, Silvia Ceccanti, Giovanni Vento

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

Respiratory morbidity in 9-10-year-old children born moderate-late preterm
Cassidy Du Berry (Melbourne (VIC), Australia), Rheanna Mainzer, Tara Fitzgerald, Sarath Ranganathan, Lex Doyle, Lian Welsh, Jeanie Cheong

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

HFNC do not change intubation rates in bronchiolitis: a retrospective multicenter study
Giulia Capata (Rome, Italy), Tijana Grba, Stefan Kotlagic, Jelena Visekrna, Mihael Basa, Bojana Gojsina, Giorgio Cozzi, Federico Poropat, Giulia Zamagni, Milan Rodic, Alessandro Amaddeo, Aleksandar Sovtic

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

**PS-10 Session 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)

**Machine learning to identify treatment effect heterogeneity related to ICS and LAMA in the IMPACT trial**
Kenneth Verstraete (Leuven, Belgium), Helene Huts, Iwein Gyselinck, Michael Staes, Ahmed Elmawy, Maarten De Vos, Wim Janssens

**Pharmacogenetic Effects on Clusters of Lung Function Decline**
Lies Lahousse (Ghent, Belgium), Xander Bertels, André Uitterlinden, Guy Brusselle, Bruno Stricker

**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 Kushner, Noga Yossef, Bernice Oberman
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

Exacerbation reduction and improved quality of life in asthma with extrafine formulation single-inhaler triple therapy (efSITT): six-month results of the TriMaximize Study
Frederik Trinkmann (Heidelberg, Germany), Valentina Bogoevska, Detlef Nachtigall, Richard Russell, Charlotte Suppli Ulrik, Wolfgang Pohl, Vicente Plaza, Arnaud Bourdin, Celina Fritz, Christian Gessner

Real-world outcomes of Budesonide/Glycopyrronium/Formoterol therapy in COPD after 3 months; Interim analysis of the RECORD study
Henrik Watz (Görlshansdorf, Germany), Marija Halbach, Matthias Saathoff, Tamsin Morris, Michael Watt, Annika Fernandez Milano, Dinesh Shrikrishna, Dave Singh

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

The carbon footprint of inhalers in secondary care: a cross-sectional analysis
Jasmin Abbott (Brighton, United Kingdom), Sabrine Hippolyte

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

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

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 Bondarov, Magnus Aurivillius, Roy A Pleasant

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 Pigott, 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 Vaysıoğlu Şahin, Ezgi Erdem Türe, Burcu Yormaz, Aylin Çapraz, Ayşe Çocukun Beyan, 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), Sabri Jaffal, Abraham Bohadana, Amir Jarjoui, Nissim Arish, Ariel Rokach, Gabriel Izbicki

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

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 Molen, Federico Lionello, Alessia Achille, Gabriella Guarnieri

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)
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'Keeffe, Joe Ibarra, Holly Wilson, Lynsey Gillespie, Alex Mcconnachie, Wai-Ting Nicola Lee, Thomas Brown, Hassan Burhan, Ramesh Kurukularatny, David J Jackson, Pujan Patel, Shoaiq Faruqi, Dinesh Saralaya, Stephen J Fowler, Adel H Mansur, James Brown, Jim Lordan, Salan Siddiqui, Ian D Pavord, Liam G Heaney, Christopher E Brightling, Rekha Chaudhuri

Speech-based monitoring of exacerbations in chronic respiratory diseases
Yuyang Yan (Maastricht, Netherlands), Loes Van Bemmel, Sami O. Simons, Visara Urovi

Evaluation of the impact of long-term stress on the clinical course of asthma
Anna Kovchun (Sumy, Ukraine), Vladyslava Kachkovska, Victor Kovchun, Lyudmyla Prystupa

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

Prior ICS use may protect from lung parenchymal involvement in asthmatics and COPD patients affected by COVID-19
Doriane Calmès (Liège, Belgium), Virginie Paulus, Françoise Guissard, Nathalie Maes, Laurence Seidel, Renaud Louis, Florence Schleich

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

OverSEA: European Delphi consensus study on best practices for patients with Severe Eosinophilic Asthma and comorbid CRSwNP
Guy Brusselle (Ghent, Belgium), José Antonio Castillo Vizute, Claus Bachert, Ignacio Dávila, Ludger Klimek, Martin Laudien, Peter Schmid-Grendelmeier, Veronica Seccia, Alessandra Vullaggio, Nadia Kallinikou, Laura Watrave

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-Rodriguez, María José Fernández-Sánchez, Mauricio Durán-Silva, Eduardo Tuta-Quintero, Carlos A Torres-Duque

Longitudinal lung function changes in adult eosinophilic and non-eosinophilic asthma
Clarice Lim (Wien, Austria), Sylvia Hartl, Christoph Gross, Mohammad Azizzadeh, Emmanuel Wouters, Marie-Kathrin Breyer, Robab Breyer-Kohansal

Asthma clusters from quantitative computed tomographic measurements in the lungs in CBIOPRED cohort
Changixing Ou (Guangzhou, China), Tingting Xia, Zhenan Deng, Yujing Liu, Guochao Shi, Minzhong Qiu, Xiaoying Wei, Wei Gu, Jianping Zhao, Xiaoxia Liu, Shenghua Sun, Huaping Tang, Bei He, Shaohai Cai, Ping Chen, Ping Chen, Lixin Xie, Kian Fan Chung, Meiling Jin, Shaohua Lu, Qing-Ling Zhang

Impact of comorbidities on clinical outcomes in severe asthma- an analysis from the Swiss severe asthma registry
Fabienne Jaun (Liestal, Switzerland), Maria Boesing, Mathivanan Kanagarasa, Pierre-Olivier Bridevaux, Florian Charbonnier, Christian Clarenbach, Pietro Gianella, Lukas Kern, David Miedinger, Nikolay Pavlov, Thomas Rothe, Claudia Steurer-Stey, Christophe Von Garnier, Joerg Daniel Leuppi

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 Philippe, Renaud Louis, Florence Schleich

Mild/moderate asthma network of Italy (MANI): first data.
Benedetta Bondi (Genova, Italy), Irene Prediletto, Matteo Bonini, Giovanna Elisiana Carpagnano, Francesca Puggioni, Pierachille Santus, Luisa Brussino, Eleonora Nucera, Giulia Sciocchia, Stefano Del Giacco, Manuela Latorre, Ilaria Baiardi, Laura Melissari, Maria Giulia Candeliere, Federica Terracciano, Marcello Mincarini, Giovanni Sotgiu, Francesco Blasi, Pierluigi Paggiaro, Giorgio Walter Canonica, Fulvio Braido

Asthma treatment adherence, where are we? Argentina’s APPARENT 2 sub-analysis.
Eva Ailín Vallejos (Ciudad Autónoma Buenos Aires, Argentina), Gabriel Garcia, Laura Joussie, Angeles Galperin, Alejandra Grosso, Martin Zambelli, Lucas Perelli

Analysis of biological determinants that predict severe forms of COVID-19 in patients with chronic lung diseases
Constantin Ghimuș (Iasi, Romania), Daniela Robu Popa, Mona Elisabeta Dobrin, Oana Elena Melinte, Letitia Trofor, Roberta Cernat, Cristina Vicol, Antigona Trofor
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

Symptoms in Physician-Diagnosed Asthma: Differentiating Factors in Asthma Versus Non-Asthma Diagnoses
Margaret Gleeson (Limerick, Ireland), Padraic Ridge, Christina Campbell, Patrick Kerr, Ciara Ottewill, Elaine Machale, Deirdre Long, Dorothy Ryan, Daniel Ryan, Imran Šulaiman, Breda Cushen, Richard Costello

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

Phenotypic characteristics of asthmatic patients with distal airways obstruction
Soumaya Ben Saad (Ariana, Tunisia), Nour Kallel, Amani Ben Mansour, Aziza Slim, Hafaoua Daighfous, Fatma Tritar

---

**Poster session: Lung cancer with comorbidity- and risk factor-tinted spectacles**

**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. Jovanović (Beograd, Republic of Serbia), Chair to be confirmed

**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

**COPD and pulmonary emphysema as prognostic factors in patients with non-small cell lung cancer receiving immunotherapy**
Marcos Becerra Aineto (Spain), Aitor Azkarate Martínez, Amanda Iglesias Coma, David Budau, Ana Sofia De Freitas, Matos Parreira, Esther Martinez Font, Maria Belén Núñez Sánchez, Jaume Sauleda Roig

**COPD as a comorbidity in lung cancer**
Pontus Mertsch (Wolfrahhausen, Germany), Julia Walter, Blerina Resuli, Diego Kauffmann-Guererro, Jeremias Götschke, Kathrin Kahlert, Juergen Behr, Amanda Tufman

**Clinical trial interest from patients with COPD approached after Lung Cancer Screening**
Tanya Patrick (London, United Kingdom), Arafah Aboelhassan, Marta Parenti, Alice Mugambwa, Jayce Moody, Nia Voase, Katherine Blackstone, Anika Macwan, Kim Scully, Silvia Cano, Sarah Doffman, Maria Belvisi, Sam M Janes, John R Hurst

**Efficacy of Immune Checkpoint Inhibitor on Non-Small Cell Lung Cancer with Chronic Obstructive Pulmonary Disease**
huohuo zhang (Chengdu, China), Weimin Li

**Expression patterns of clinically relevant factors in primary SCLCs and their corresponding lymph node metastases**
Christian Lang (, Germany), Zsofia Megyesfalvi, Bence Ferencz, Anna Solta, Kristiina Boettiger, András Lantos, Mir Aliреza Hoda, Thomas Klíkovits, Janos Fillinger, Ferenc Renyi-Vamos, Clemens Aigner, Marco Idzko, Melinda Rezeli, György Marko-Varga, Orsolya Pipke, Karin Schelch, Balázs Dömő

**Assessing causality between frailty and lung cancer: A bi-directional Mendelian randomization analysis**
Chuangsen Fang (Beijing, China), Yaming Li, Bingxuan Wang

**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 (Mutilva Alta, Spain), Juan Pablo De Torres, Aranza Campo, Carmen Felgueroso, Madeleine De Frisco, Eduardo García, Luis Seijo, Ana Belén Alcaide, Juan Bertó, María Navamuel, Alicia Sayes, Maria Alicia Balseca

**Impact of OLD/emphysema in LC mortality risk in screening programs: an analysis of NLST and P-IELCAP**
Marcela Suarez (Ildeia, Spain), Iván D. Benítez, Juan P. De-Torres, Luis M. Seijo, Maria Del Mar Ocón, Ferran Barbé, Juan P Wisnivesky, Javier J Zulueta, Jessica González

**Interstitial lung diseases with concomitant lung cancer: a data mining approach**
Giulia Maria Stella (Pavia (PV), Italy), Sara Lettieri, Francesca Mariani, Lucia Del Frate, Silvia Mancinelli, Davide Piloni, Angelo Corsico, Andrea Bianco, Fabio Perrotta, Donato Lacedonia
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

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

Acceptance of illness in lung cancer patients during treatment: Do women differ from men?
Anna Trojnar (Warszawa, Poland), Magdalena Knetki-Wróblewska, Piotr Sobieraj, Joanna Domagala-Kulawik

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

Distinctive features of lung cancer in women
Mehdi Maaroufi (Casablanca, Morocco), Nahid Zaghba, Hanane Benjelloun, Khadija Chaanoun, Hanaa Harraz, Najiba Yassine

Nationwide Comorbidity Evaluation in Lung Cancer Patients Across a 40-Year Period
Morten Borg (Ry, Denmark), Ole Hilberg, Rikke Ibsen, Anders Lokke

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 Perrotta, Luca Scafif, Andrea Bianco

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)

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 Shigaoankar, Swadesh Kumar Mohanty, Afshan Ali Shaik, Akshaya Moorthy

Poster session: Impact of the external and internal exposome on lung health: focus on pollutants and the microbiome

Association between oxidative potential from particulate matter collected by personal samplers, and systemic inflammation in adult asthma patients. Preliminary results of ASTHMA-FENOP study.
Juan José Ruiz Cubillan (Mogro Miengo, Spain), Andrea Exposito Monar, Ignacio Fernandez Olmo, Juan Agüero Calvo, Beatriz Abascal Bolado, Carlos Antonio Amado Diago, Juan Luis García Rivero, Maria Teresa Garcia Unzueta, Ana Berja Miguel, Beatriz Fernandez Fernandez, Adriana Núñez Robainas, Esther Barreiro Portela, Laura Ruiz Azcona, Marcos Lopez Hoyos, Juan Irure Ventura, José Manuel Cifriant Martinez, Miguel Santibañez Marguilii

Interactions between candidate gene polymorphisms and air pollutants on asthma severity in adults
Antonino Margagliotti (Verona, Italy), Valentina Lando, Lucia Calciano, Cristina Bombieri, Francesca Locatelli, Giovanni Malerba, Pierpaolo Marchetti, Marion Nicolodi, Claudio Gariazzo, Sara Maio, Massimo Stafoggia, Giovanni Viegi, Alessandro Marcon, Simon Accordini

Role of the neutrophil in a mouse model of pollutant-aggravated allergic asthma
Joyceine De Volder (Kruishoutem, Belgium), Annelies Bontinck, Valerie Haelterman, Guy Brusselle, Guy Joos, Tania Maes

Impact of prenatal stress on childhood wheeze and asthma
Tamar Bakhtadze (Batumi, Georgia), Vakhtang Beridze, Miranda Shershashidze, Nino Kiknadze

Air pollutants and greenspaces exposure, and associations with respiratory health of children
Sowmya Malamardi (Bundoora, Victoria, Australia, India), Katrina Lambert, Bircan Erbas, Mahesh Padukudru Anand, Virendra Singh, Sundeep Salvi, A Gan Collaborators
Severity Response of Chronic Obstructive Pulmonary Disease to Temperature Fluctuations Due to Extreme Weather Events and Climate Change
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

Analysis of individuals presenting phenotypes of extreme high and low risk of developing tobacco-induced lung cancer.
Maria Navamuel Andueza (Pamplona, Spain), Pablo Echegoyen Ruiz, Maria Del Mar Ocon De Miguel, Alicia Sayes Chueca, Iserling Madeleine Di Frisco Ramirez, Carmen Felgueroso Rodero, Matilde Sangro Prieto, Ana Belén Alcaide Ocaña, Aranzazu Campo Ezquielba, Gorka Bastarrika, Ana Ezponda Casajus, Javier Pueyo, Luis Seijo Maceiras, Luis Montuenga Badia, Jose Luis Perez Gracia, Juan Pablo De Torres Tajes

Epithelial-Mesenchymal-transition (EMT) and epithelial integrity: role of viral/bacterial infections in an “in vitro” COPD modelling
Giusy Daniela Albano (Palermo (PA), Italy), Angela Marina Montalbano, Rosalia Gagliardo, Mirella Profita

Wood smoke exposure induces lymphocyte activation in blood and bronchoalveolar lavage in humans.
Alva Matilda Hansson (Umeå, Sweden), Jamshid Pourazar, Maria Friberg, Annelie Behndig, Thomas Sandström, Ala Muala

Associations between fine particulate matter and lung function during late childhood and adolescence: the Sustainable Household Energy Adoption in Rwanda (SHEAR) Study
Kellin Slater (Fort Collins, United States), Ky Tanner, Vincent Cleveland, Bonnie Young, Christian L’Orange, Rebecca Witinok-Huber, John Balmes, Egidie Kalisa, Lindsay Zurba, Theoneste Ntakirutimana, Kayleigh Kelller, John Volckens, Maggie Clark

Impact of Indoor Air Pollution on Health Outcomes in Patients with Idiopathic Pulmonary Fibrosis
Hee-young Yoon (Seoul, Republic of Korea), Kyumin Kim, Sun-Young Kim, Sung Woo Park, Sun Mi Choi, Jinmyung Park, Won-II Choi, Joo Hun Park, Jongmin Lee, Yong Suk Jo, Hyung Koo Kang, Alaa Woo, Song Yee Kim, Hongseok Yoo, Jong Sun Park, Eun Joo Lee, Yong Hyun Kim, Hoseob Kim, Ju Hyun Oh, Jin Woo Song

The effect of air pollution on the antiviral immune response in pulmonary fibrosis
Carmelo Sofia (Rome, Italy), Liam Edgeway, James Parkin, Lareb S N Dean, Yihua Wang, Donna E Davies, Luca Richeldi, Mark G Jones, Matthew Loxham

Changes in pharyngeal microbiota composition in patients with idiopathic pulmonary fibrosis
Xueting Yuan (Beijing, China), Ye Liu, Jingt Wang, Jin Jin, Xiaomao Xu

Seasonal dynamics of airway microbiome in patients with COPD
SunHee Heo (Seoul, Republic of Korea), Bo-Yun Choi, Suk Young Park, Na Hyun Kim, Eunkyeong Song, Woo Jun Sul, Sei Won Lee

Association between the gut microbiome and low skeletal muscle mass in patients with COPD
Daisuke Kinose (Otsu, Japan), Satoru Kawashima, Seiko Ohno, Akio Yamazaki, Yasuki Uchida, Hiroaki Nakagawa, Masafumi Yamaguchi, Katsutaro Morino, Akira Andoh, Yasutaka Nakano, Emiko Ogawa

Ethnic disparities in asthma burden and gut bacteriome profiles of children with moderate-to-severe asthma in Europe

Geographic variation of the microbiome-resistome in bronchiectasis: Data from the European Bronchiectasis Registry (EMBARC)

Long term effects of COVID-19 on the oral and lower airway microbiota
Daniela Alферes de Lima Headley (Dundee, United Kingdom), Holliern Richardson, Chandani Hennayake, Zsofia Eke, Jamie Stobo, Ling-Pei Ho, Alex Horsley, Michael Marks, Ksrinah Poinasamy, 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 Gerekens, Silvia Gschwendtner, Mircea-Gabriel Stoleriu, Nicole Weiss, Ignaz Briegel, Laura Elsner, Philipp Plohmann, 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-11 Session 08:00 - 09:30
Poster session: Biological treatments for asthma: novel real-world and clinical studies

Disease(s) : Airway diseases
Method(s) : Epidemiology General respiratory patient care Public health Imaging Pulmonary function testing Physiology
Tag(s) : Clinical, Translational
Chairs : Asger Sverrild (Valby, Denmark), Madeleine Rådinger (Göteborg, Sweden)

Efficacy of switching controlled and uncontrolled asthma patients on Mepolizumab to Benralizumab
Riyad Allehebi (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. Catalán Society of Pulmonology (SOCAP) Registry.
Ebymar Arismendi (Vilassar de Dalt, Barcelona, Spain), Mariana Muñoz, Astrid Crespo, Pilar Ausin, José Antonio Castillo, Elena Curto, Ana Lapuente, Alejandra Marín Arguedas, Carlos Martinez-Rivera, Daniel Monserrate, Xavier Muñoz, Iñigo Ojanguren, Esther Palones, Marina Paredes, Flor Pilia, César Picado, Gladis Sabater, Carles Sabadell, Ana Sogo, Concepción Cañete

A Belgian real-world study indicates rapid and sustained asthma symptom control with benralizumab
Lieven Dupont (Leuven, Belgium), Charles Pilette, Maud Deschamphleire, Katrien Eger, Jean-Benoît Martinot, Mathias Leys, Ulrike Himpe, Rudi Peché, Muriel Lins, Solange Delovinosfos, Hélène Simonis, An Herreman, Charlotte Quataert, Tom Fes, Remoud Louis

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 Medermott, Carla Vossen, Florent Guellucci, Jiyothi Menon, Armel Ngami

Effectiveness of mepolizumab on severe asthma in Argentina: a real-world cohort study
Federico Daniel Colodенко (Ciudad Autónoma Buenos Aires, Argentina), Anaíl Yañez, Federico Promencio, Gabriel Gattolin, Martin Mailla, Miguel Bergna, Ana Stok, Martín Sivori, Miguel Vinuesa, Silvana Guendulain, Maria Cecilia Mengarelli, Angeles Galperin, Maria Laura Jousse, Martin Zambelli, Lucas Perelli, Saeed Noibi

Belgian real-world data confirm the potential of benralizumab to induce clinical remission in patients with severe eosinophilic asthma
Tom Fes (izegem, Belgium), Lieven Dupont, Charles Pilette, Maud Deschamphleire, Katrien Eger, Jean-Benoît Martinot, Mathias Leys, Ulrike Himpe, Rudi Peché, Muriel Lins, Solange Delovinosfos, Hélène Simonis, An Herreman, Charlotte Quataert, Renaud Louis

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 Kayaniyl, An Herreman, Claudio Schuoler, Lieven Dupont, Erika Penz

Early treatment response to dupilumab on airway inflammation, airway dynamics, and mucus plugging in VESTIGE
Alberto Papi (Cone, Ferrara, Italy), Mario Castro, Céleste Porsborg, Njra L. Lugogo, Christopher E. Brightling, Francisco J. González-Barcala, Arnaud Bourdin, Mykola Ostrovsyky, Maria Staevska, Pai-Chien Chou, Liliana Duca, Ana M. Pereira, Charles Fogarty, Rufai Nadama, Mei Zhang, Amelie Rodrigues, Xavier Soler, Harry Sacks, Yamo Deniz, Paul J. Rowe, Lucia De Prado Gómez, Juby A. Jacob-Nara

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-Vendranda, Delphine Leynaud, Gabriel Thabut, Camille Taillé
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

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 Guillemainault, Amel Boudjemaa, Nouha Ghourabi, Anne-Sophie Gamez, Patrick Berger, Naji Khayat, Philippe Bonniaud, Christophe Leroyer, Guillaume Mahay, Stéphanie Fry, Pierre-Olivier Girodet, Geneviève Le Bourdelles, Alain Proust, Lise Rosencher, Gilles Garcia, Arnaud Bourdin, Drifa Belhadi, Alain Didier, Camille Coutignau, Camille Taillé

Predictors of biological therapy in severe asthma patients. An ambispective study from the BIOBADALER consortium.
GUILLERMO BENTABOL RAMOS (Málaga, Spain), Dulce Sánchez-Torralvo, Ibón Eguíluz-Gracia, Natalia Pérez-Sánchez, Marta Ferrer, Joan Bartra, María José Torres, Carmen Rondón, Almudena Testera-Montes

Characteristics of never-, switching, and persisting users of biologics for severe asthma – a SHARP-CRC study

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

Covid 19 emerging as etiology for novel phenotype of Asthma
Abhisheka Kumar (Patna (Bihar), India)

Evolution of Blood Eosinophilia in Patients with Severe Asthma Treated with Dupilumab
Cristina Bellver (Barcelona, Spain), Laura Mejía, Ana Romero, Héctor Cabrerizo, Xavier González, Nuria Padullès, Salud Santos, Mariana Muñoz-Esquerre

Poster session: Nursing and digital health
Session 08:00 - 09:30

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.
Matthew Armstrong (Bournemouth, United Kingdom), Graham Burns, Karen Heslop-Marshall

Telemonitoring of severe asthma
Lucía Méndez González (Santa María de Feira, Portugal), Cristina Leite, Cristiana 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 Ruggiero, 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 Rayà Benitez, Ana Belén Gámiz Molina, Pilar García González, Irene Calles Plata, Marie Carmen Valenza
Health status and fatigue before and after COVID-19
Marie Carmen Valenza (Granada, Spain), Laura Pérez Gisbert, Lorena Quiles Pardo, Concepción Morales García, María Victoria González Gutiérrez, Irene Torres Sánchez

Implementation of Shared Decision Making in monitoring patients with lung disease and/or heart disease- ADLIFE project
Anne Dichmann Sorknæs (Vester Skerninge, Denmark), Natassia Kamilla Juul, Gokce Banu Lalerci Erturkmen, Gökkcan Yılmaz, Rikke Lyngholm

Enhancing Health Outcomes: A Lifestyle Adjustment Program for Long COVID-19 Patients - A Randomized Control Trial
Alba Navas-Otero (Granada, Spain), Geraldine Valenza-Peña, María Granados-Santiago, Javier Martín-Núñez, Araceli Ortiz-Rubio, Marie Carmen Valenza

Effect of physical activity Coaching on exercise capacity in lung cancer survivors at short and mid-term: Meta-Analysis
Alejandro Heredia Ciuró (Granada, Spain), Ana Belen Gámiz Molina, Julia Raya-Benitez, Andrés Calvache-Mateo, Laura López-López, Marie Carmen Valenza

Relationships between respiratory disturbance and health status in fibromyalgia patients
Alba Navas-Otero (Granada, Spain), Leila Palomino-Toro, Geraldine Valenza-Peña, Andrés Calvache-Mateo, Araceli Ortiz-Rubio, Marie Carmen Valenza

The effectiveness of breathing exercise in fibromyalgia syndrome: a pain meta-analysis
Marie Carmen Valenza (Granada, Spain), Javier Martín Núñez, Geraldine Valenza Peña, Andrea María Mendoza Barrios, Irene Calles Plata, Araceli Ortiz Rubio

Physical activity levels in lung cancer patients after receiving radiotherapy treatment
Alejandro Heredia Ciuró (Granada, Spain), Paula Blasco-Valls, Isabel Castillo-Perez, Javier Martín-Nuñez, Sofia Hernández-Hernández, Marie Carmen Valenza

Comparison of IOS and Spirometry as Lung Function Tests in a childhood acute lymphoblastic leukemia (ALL) survivors cohort and a healthy controls group
dorthe Hausted (Århus N, Denmark), Anne Marie Ryberg, Sonja Izquierdo Riis Meyer, Sune Leisgaard Mørk Rubak

Patients' perspectives on an educational course for Idiopathic Pulmonary Fibrosis (IPF)
Camilla Bjerre Andersen (Odense Nv, Denmark), Jill Thomsen, Stephanie Paag Svane, Helle Marie Christensen

Paramedic Awareness of Inhaler Devices – PAID survey
Subhadip Pal (Kolkata (West Bengal), India), Soumyadeep Ghosh, Subhajit Ghosh

Determination of profitability in salivary sample swab for alfa-1-antitrypsin deficiency genetic study in patients with obstructive airway disorder
Walther Ivan Giron Matute (Madrid, Spain), Angela Gomez Sacristan, Zichen Ji, Raquel Teran Marcos, María Parra Galeano, Elena Marina Fernandez Garcia, Luis Puente Maestu

Post-COVID-19 sequelae depending on the severity of the disease
Marie Carmen Valenza (Granada, Spain), Laura Pérez Gisbert, Rocio Pazo Palacios, Concepción Morales García, María Victoria González Gutiérrez, Irene Torres Sánchez

Pain related psychosocial variables of post COVID-19 condition patients with new-onset chronic pain 2 years post-infection
Andrés Calvache Mateo (Granada, Spain), Alba Navas Otero, Julia Raya Benitez, Irene Calles Plata, Araceli Ortiz Rubio, Marie Carmen Valenza
IL-4 and IL-13 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 Oreno

Macrophage inflammation and association with structural remodeling in pre-COPD
Stijn Verleden (Wilrijk, Belgium), Jeroen Hendriks, Hanne Voet, Annemieke Snoeckx, Senada Koljenovic, Dieter Peeters, Therese Lappere

Aloxistatin attenuates TNF-α-induced inflammatory responses in human bronchial epithelial cells: Implications for ARDS therapy
Xuan Phuoc 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 Senem Kilic, Derya Kocakaya, Esra Akdeniz, Nur Ecep Oztok, Esin Cetin, Tunc Akkoc

The correlation of tolerogenic 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 Elneima, 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
Andreas M. Matthaiou (Athens, Greece), Nikoleta Bizymi, Georgios Pitsidianakis, Eirini Vasarmidi, Christos Skiadas, Nikolaos Tzanakis, Katerina M. Antoniou

Airway neutrophils are primed for neutrophil extracellular trap formation in bronchiectasis: preliminary data from the BRILLIANT cohort study
Thomas Pembright (Dundee, United Kingdom), Emma Johnson, Holly Lind, Eve McIntosh, Morven Shuttleworth, Kateryna Viligoska, Megan Crichton, Helen Liddicoat, Adam Platt, Merete Long, James Chalmers

Neutrophil-chemoattractant CXCL5 disrupts the lung barrier during acute lung injury
Geraldine Nouailles (Berlin, Germany), Sarah Berger, Cengiz Goeiker, Peter Pennitz, Birgitt Gutbier, Laura Michalick, Elena Lopez-Rodriguez, Karen Hoffmann, Vladimir Gluhovic, Sandra-Maria Wienhold, Ulrike Behrendt, Alexander Taylor, Kristina Dietert, Holger Kirsten, Torsten Hain, Achim D. Gruber, Wolfgang Kühler, Matthias Ochs, 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, Nikolaos Tzanakis, Katerina M. Antoniou

Airway neutrophils are primed for neutrophil extracellular trap formation in bronchiectasis: preliminary data from the BRILLIANT cohort study
Thomas Pembright (Dundee, United Kingdom), Emma Johnson, Holly Lind, Eve McIntosh, Morven Shuttleworth, Kateryna Viligoska, Megan Crichton, Helen Liddicoat, Dave Connell, Amelia Shoemake, 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 Plante-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

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 Trojanar, Iwona Kwiecien

Leukotriene A4 hydrolase (LTA4H) inside neutrophil derived extracellular vesicles breaks down PGP when exposed to neutrophil elastase.
Kristopher Genschmer (Birmingham., United States), Tamiaji Langster, Ningyong Xu, J. Edwin Blalock, Derek Russell
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

PS-18  Session  08:00 - 09:30
Poster session: Epidemiology of rare and common paediatric respiratory diseases

Disease(s): Airway diseases
Method(s): Epidemiology  Public health  General respiratory patient care  Pulmonary function testing
Tag(s): Clinical
Chairs: Myrofora Goutaki (Bern, Switzerland), Karl Holden (Liverpool, United Kingdom)

Treatment burden in primary ciliary dyskinesia in Switzerland
Yin Ting Lam (Zürich, Switzerland), Leonie Schreck, Laura Behan, Hansruedi Silberschmidt, Emilie Watellier, Claudia E Kuehni, Francesco Pagnini, Myrofora Goutaki

Fertility of people living with primary ciliary dyskinesia: Challenges and facilitators
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

Association of reported symptoms and lung function among people with primary ciliary dyskinesia
Myrofora Goutaki (Bern, Switzerland), Mirjam Koller, Yin Ting Lam, Leonie D. Schreck, Eva S.L. Pedersen, Christian Clarenbach, Andreas Jung, Elisabeth Kieninger-Latzin, Romain Lazor, Claudia E. Kuehni

Clinical Features of Patients with Primary Ciliary Dyskinesia: Marmara University's Perspective
Mine Yüksek Kalyoncu (İstanbul, Turkey), Ela Erdem Eralp, Cansu Yılmaz Yegüt, Muruvvet Yanaz, Aynur Gulieva, Merve Selçuk, Şeyda Karabulut, Neval Metin Çakar, Ceren Ayça Yıldız, Almala Pınar Ergenekon, Yassemin Gökdemir, Fazilet Karakoç, Bülent Karadağ

Oral Health-Related Quality of Life in Children with Primary Ciliary Dyskinesia
Ezgi Kazanci Oztuna (İstanbul, Turkey), Mehmet Sertac Peker, Ela Erdem Eralp, Yasemin Gökdemir, Buvent Taner Karadag

French Guidelines on transition of adolescents with rare lung disease from pediatric to adult healthcare
Elora Peulier-Maitre (Paris, France), Myrofora Goutaki, Nadia Nathan, Maxime Patout, Sebastien Hascoet, Natacha Remus, Guillaume Thouvenin

Sickle cell disease-related pneumopathy: a bicentric cross-sectional study exploring respiratory function in pediatric drepanocytosis
Beatrice Andreanacci (Pavia, Italy), Lucia Cerrato, Simone Gambazza, Mara Lelii, Barbara Madini, Alessia Rocchi, Nadia Mirra, Tommaso Mina, Maria Francesca Patria

Associations between prenatal findings and pre- and postnatal outcomes in Danish children with congenital pulmonary malformation
Dalia Karzoun (Aarhus, Denmark), Cpm Research Group, Elisabeth Søgaard Christiansen, Frederik Fouirmaes Buchvald, Kim Gjerum Nielsen, Sune Leisgaard Merck Rubak

Airway abnormalities in children with congenital heart disease
Charlotte Williams (Reading, United Kingdom), Marianne Elloy, Frances Bu'Lock, Kamini Jain

Who is missing? Health-related social risk factors in a paediatric complex respiratory and respiratory infection outpatient clinic
Kirstin Unger (Edinburgh, United Kingdom)

Tuberculosis screening in children: the impact of covid19 pandemic
Yosra Bellil (bardo, Tunisia), Besma Hamdi, Sirine Arfa, Sabrine Louhaichi, Sryrine Abdelmoumen, Chaima Turki, Jamel Ammar, Agnes Hamzeoui

Experience of the last 10 years of the children's ambulatory oxygen therapy service (SOA) of the Chilean Ministry of Health.
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

Employing community Parent Champions is associated with reduced hospitalisation rates for bronchiolitis
Alice Lee (Liverpool, United Kingdom), Pieta Schofield, Dan Hawcutt, Ian Sinha, Iain Buchan

Risk factors for bronchiolitis admissions for extreme preterm infants across Liverpool
Amy Scott (Warrington, United Kingdom), Alice Lee, Jessica Watson, Olufemi Olajide, Ian Sinha, Daniel Hawcutt
### Bronchiolitis severity and future healthcare utilization in healthy term infants
Ian Mitchell (Calgary (AB), Canada), Anna Solbak, James King, Candice Bjornson

### Bronchiolitis Hospitalization Surge and Increased Severity Post-Pandemic: Italian Multicenter Study
Sergio Ghirardo (Trieste, Italy), Nicola Ullmann, Alessandro Zago, Michele Ghezzi, Marta Minute, Barbara Madini, Enza D'Auria, Cecilie Basile, Francesca Castelletti, Federica Chironi, Agata Capodiferro, Beatrice Andreacci, Francesco Maria Risso, Salvatore Aversa, Laura Dotta, Antonella Coretti, Anna Chiara Vittucci, Raffaele Badolato, Alessandro Amaddeo, Egidio Barbi, Renato Cutrera

### High circulation of Respiratory Syncytial Virus in pediatric patients hospitalized with severe acute respiratory infection in Senegal, 2022-2023.
Mamadou Malado Jallow (Dakar, Senegal), Moussa Moise Diagne, Marie Pedepa Mendy, Mamadou Aliou Barry, Sara Sy, Ndiendé Koba Ndiaye, Déborah Goudiaby, Ndongo Dia

### Prevalence of Common Respiratory Viruses in Infants following Coronavirus Disease-19 (COVID-19) Pandemic: A Proportional Meta-Analysis in The European Populations
Muhammad Pradhika Mapindra (London, United Kingdom), Muhammad Pradhiki Mahindra, Howard Clark, Jens Madsen

### Short-term impacts of inhaled PM10-associated metals on cognitive and sensorimotor function in primary school aged children
Rosamund Dove (London, United Kingdom), Hajar Hajmohammadi, Ian Mudway, Luke Sartori, Amy Hall, Helen Wood, Megan Wood, Mark Mon-Williams, Chris Griffiths

### Association between residential land use and childhood allergic rhinitis: The Espoo Cohort Study
Inês Paciência (Oulu, Finland), Aino K. Rantalainen, Harri Antikainen, Jan Hjort, Timo T. Hugg, Maritta S. Jaakkola, Jouni J.K. Jaakkola

### Evaluating the association of persistent or single-time point frequent productive cough with 12-month exacerbation rate in asthma and/or COPD
Hana Müllерová (Cambridge, United Kingdom), Eleni Rapsomaniki, Deven Patel, Laura Belton, Rod Hughes, Jose Maria Olaguibel, Alberto Papi, Helen K Reddel, Stefan Franzén, Bradley Chippens, 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
Ecaterina 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 Kasapoglu, Hüseyin Arikan, Derya Kocakaya, Şehnaz Olgun Yildizeli

### Midregional Proatrial Natriuretic Peptide (MRproANP) is associated with vertebral fractures and low bone mineral density (BMD) in patients with COPD
Franziska Tradzinski (Heidelberg, Germany), Rudolf Jörres, Peter Alter, Henrik Watz, Claus Vogelmeier, Hans-Ulrich Kauczor, Subasini Thangamani, Manuel Debic, Tobias Welte, Jürgen Behr, Kathrin Kahnhart, Robert Bals, Christian Herr, Claus Peter Heukel, Jürgen Biederer, Sebastian Fährdrich, Emeil 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 Saggu, John Steer, Carol Stonham, Robert F. Storey, Clare J. Taylor, Raj Thakkar, Chris P. Gale

### 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 Elnemea, 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, Bassem Habr, 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), Joanne Seaborne, Stefanie Meikle, Paula Magee, Elizabeth Thomas, Gemma Adams

FEF50/0.5FVC versus FEV1/FVC: which ratio correlates better with physical activity in chronic respiratory diseases?
Yosra Abdelhedi (Tunis, Tunisia), Khouloud Kchaou, Chaima Briki, 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

The utility of NT-proBNP marker in the assessment of pulmonary hypertension in COPD elderly patients.
Valentin Calancea (Chisinau, Codru, Republic of Moldova), Nicolae Bodrug, Elena Calancea, Sergiu Matcovschi, Adriana Botezatu, Ecaterina Luca

An investigation of different definitions of cough bouts
Kimberley Holt (Manchester, United Kingdom), Rachel Dockry, Kevin Mcguinness, Emma Barrett, Jaclyn Smith

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

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 Crévoisier, Diana C. Duarte, Marcela Poveda, Laura Cucunubo, Pablo Monedero

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
Chairs: Elisa Perger (Milano, Italy), Dimitrios Kantas (Perama-Ioannina, Greece)

Crural and costal diaphragm activity diverge during REM sleep
Hiromitsu Kuroda (Sapporo, Hokkaido, Japan), Michael Ji, Jasmine Park, Paul Easton

IS OSCILLOMETRY USEFUL IN OBSTRUCTIVE SLEEP APNEA?
Adriana Rodriguez Perojo (Pozuelo De Alarcón (Madrid), Spain), Cristina López Riolobos, Leonardo Saldaña Perez, Cristina Matesanz López, Jose Maria Diaz Garcia, Sonia Pascual Garcia, Jorge Mora Pinilla, Alejandro Garcia Garcia, Araceli Abad Fernandez

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
Air sampling from PAP devices: Gone with the wind?
Olivia McGuiness (Camperdown (NSW), Australia), Sebastiaan Van Hal, Collette Menadue, Susy Mathew, Rania Salama, Amanda Piper, Sheila Sivam

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 García Sánchez, Laura Pozuelo Sánchez, Maria Parra Jarque, Alberto Carreño Alejandre, Sara González Castro, Winnifer Yaralis Briceño Franquiz, Ana Victoria Castillo Durán, Ignacio Jara, Juan Manuel Velasco, Diego Ceballos Gómez-Barreda, Maria Angélica Yáñez Quintero

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

Screening moderate to severe obstructive sleep apnea with wearable device
James Tisyakorn (Pathum Thani, Thailand), Chatkarin Tepwimonpetkun, Tunlanut Sapankaew

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

Neuromuscular electrical stimulation therapy and obstructive sleep apnoea hypopnoea syndrome – is it effective in the real world?
Sara Parsons (Surrey, United Kingdom), Charlotte Elson

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

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

Enhancing Patient Stratification in Suspected Obstructive Sleep Apnea: Introducing a Novel Intelligent Decision Support System
Manuel Casal-Guisande (Vigo, Spain), Alberto Fernández-Villar, Mar Mosteiro-Añón, Almudena González-Montaos, María-José Muñóz-Martínez, Alberto Comesañia-Campos, María Torres-Durán

Diaphragm shortening and EMG activity during Continuous Positive Airway Pressure
WOOSURNG LEE (Chungju-si, Republic of Korea), Michael Ji, Paul A. Easton

Inspiratory mallampati: a novel extension of modified mallampati for enhanced airway assessment
Hind Eid (Beirut, Lebanon), Antoine El Kik, Albert Riachy, Farid Mallat, Nicolas Medawar, Thalia Ishaya Hanna, Kristy Braidy, Dalia Al Halabi, Joe Elio El Chaer, Karl Chammas, Sophie Riachy, Moussa Riachy

The usefulness of an intra-oral tongue stimulation device
Chieri Kuroki (Tokyo, Japan), Kasagi Satoshi, Yuka Kinura, Yasuhiro Tomita, Takatoshi Kasai

Streamlining Sleep Study Access: A Quality Improvement Initiative Utilizing Home Sleep Studies and Virtual Clinics
Aoife Bradley (Dublin, Ireland), Minesh Kooblall, Sean Garvey, Alphonsa Kurian, Cliodhna Bardon, Eddie Moloney

Usage of adaptive servo-ventilation (ASV): results from the READ-ASV registry
Michael Arzt (Regensburg, Germany), Holger Woehrle, Raphael Heinzer, Oliver Munt, Jean-Louis Pèpin, Adam Benjafiel

Decoding the Night: A Machine Learning Approach to Predict the Severity of Obstructive Sleep Apnea through Clinical Parameters
Neslihan Özçelik (Rize, Turkey), Ali Erdem Özçelik, Emre Bendes

The impact of comorbid asthma on obstructive sleep apnoea outcomes
Afsan Bulbul (Manchester, United Kingdom), Neal Ramchander, Patrick Senior, Andras Bikov

PS-31 Session 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)

---

**Comparison of two AI-based software tools for detection of Incidental Pulmonary Nodules (IPN) in a University Hospital and a Radiology Practice**

Rimma Kondrashova (Hannover, Germany), Isabelle Ayx, Jens Langstein, Gerald Schmid-Bindert, Jens Vogel-Claussen

---

**Evaluating the value of AI in lung imaging: a comprehensive review and evidence gap analysis from the healthcare authorities' and reimbursement perspective**

Jana Keller (Forchheim, Germany), Fabien Colaone

---

**Using AI to expose the mechanisms of exertional dyspnoea in COPD: conflating “excessive” and “constrained” ventilation during incremental CPET**

J. Alberto Neder (Kingston (ON), Canada), Abed Hijleh, Danilo Berton, Sophia Wang, Igor Neder-Serafini, Matthew James, Sandra Vincent, Nicolle Domnik, Devin Phillips, Denis O'Donnell

---

**Artificial intelligence (AI) in the initiation of CPAP treatment**

Maria Sáez (Barcelona, Spain), Cristina Aljama, Marta Andreu, Yolima Cossio, Emmanuel Giménez, Miriam Barrecheguren, Jorge Riquelme, Julia Sampol Sirvent

---

**Bridging the gap in implementation of home monitoring for Pulmonary Fibrosis: a healthcare professionals’ perspective**

Delian Hofman (Rotterdam, Netherlands), Karen Moor, Rémy Mostard, Frouke Van Beek, Marlies Wijsenbeek, Marleen De Mul

---

**Telemonitoring of pediatric asthma outpatient settings: a systematic review**

Inês Pais Cunha (Porto, Portugal), José Fontoura Matias, Laura Leite Almeida, Manuel Magalhães, João Almeida Fonseca, Inês Azevedo, Cristina Jácome

---

**Personalised longitudinal symptom tracking for Long COVID in Northern Ireland**

Katrina Delargy (Antrim, United Kingdom), Rachel Carlisle, Nazia Chaudhuri

---

**Telemonitoring and the Aversion of Severe COPD Exacerbation: A Systematic Review and Meta-Analysis**

Sujin JANG (Seoul, Republic of Korea), Youngmee Kim, Won-Kyung Cho

---

**Digital inhaler adherence monitoring and intervention in COPD: A systematic review and meta-analysis**

Hnin Wint Aung (Leicester, United Kingdom), Ronnie Tan, Cara Flynn, Pip Divall, Anna Murphy, Tom Ward, Neil Greening

---

**The feasibility and acceptability of video directly observed therapy (v-DOT) for achieving mastery of inhaler and nasal spray technique: A qualitative exploration.**

Kathryn Ferris (Bangor, United Kingdom), Paddy Mc Crossan, Michael Shields, James Paton, Lesley Storey, Dara O'Donoghue

---

**Real-world walking of people with COPD**

Laura Delgado Ortiz (Barcelona, Spain), Joren Buekers, Nikolao Chynkiamis, Heleen Demeyer, Anja Frei, Elena Gimeno-Santos, Clint Hansen, Jeffrey Hausdorff, Nicholas Hopkinson, Carl-Philipp Jansen, Sarah Koch, Walter Maetzler, Dimitrios Megaritis, Milo Puhan, David Singleton, Guido Thoemmes, Ioannis Vogiatzis, Henrik Watz, Silvia Del Din, Brian Cauffield, Clemens Becker, Lynn Rochester, Thierry Troosters, Judith Garcia-Aymeric

---

**Detecting the onset and peak symptoms of exacerbations of COPD by analyzing speech**

Loes van Bemmel (Maastricht, Netherlands), Yuyang Yan, Lauren Reinders, Visara Urovi, Hanneke Van Helvoort, Frits M. E. Franssen, Julia Hoxha, Marijeke Spreeuwenberg, Sami O. Simons

---

**Patient insights into decentralization of a clinical trial in asthma (TANGO)**

Marisa Minetti (Parma, Italy), Gwen Skloot, Emilie Ooosterom, Elisa Simeoni, Eva Topole

---

**ERS CONNECT Clinical Research Collaboration (CRC): Developing a digital healthcare global network**

Hilary Pinnock (Edinburgh (Edinburgh), United Kingdom), Ireti Adejumo, Amy Hai Yan Chan, Isaac Cano, Richard Costello, David Drummond, Kjeld Hansen, Mark Hew, Chi Yan Hui, Vitalii Poberezhets, Job Van Boven

---

**Estimated carbon emissions and support cost savings to telemedicine for patients with central airway diseases**

Pedro Ciaralo (São Paulo, Brazil), Paulo Cardoso, Helio Minamoto, Benoit Bibas, Carlos Carvalho, Paulo Pego-Fernandes
Pedagogical evaluation of an augmented reality thoracentesis simulator for the training of medical students. 
Benjamin Renaud-Picard (Strasbourg, France), Maxime Furstenberger, Nassim Chergui, Pierre Jean Bensoussan, Brice Valentin, Xavier Hallynck, Romain Kessler, Cezar Matalu

Assessing the potential of using ChatGPT by patients with asthma 
Vladyslav Kernitskyi (Bar, Ukraine), Vitalii Poberezhets, Anna Demchuk, Nataliia Slepchenko, Tetyana Konstantynovych, Oksana Vilsaniuk, Mariia Ovcharuk, Alina Dovhan

Evaluation of ChatGPT’s performance in Medical Education: A Comparative Analysis with Students in a Pulmonology Examination 
Hela Cherif (Tunis, Tunisia), Chirine Moussa, Sarra Ben Rjab, Salma Mokaddem, Besma Dhahri

Large language models in solving clinical dilemmas – advantages and drawbacks 
Manjith Narayanan (Oadby, Leicester, United Kingdom), Divya Obla Amar Bapu, Jeremie Juan, Florian Gahleitner, Kenneth Macleod, Don S Ürquhart, Catherine McDougall, Stefan A Unger, David Armstrong

How medical students use ChatGPT? 
Anna Starychenko (Usatove, Ukraine), Vitalii Poberezhets, Nataliia Slepchenko

**PS-3 Session 08:00 - 09:30**

**Poster session: A primary care approach to chronic obstructive pulmonary disease**

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

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

**Tag(s):** Clinical

**Chairs:** Cláudia Sofia De Almeida Vicente Ferreira (Coimbra, Portugal), Luke Daines (Edinburgh (Edinburgh), United Kingdom)

**Clinical benefits with Fluticasone furoate/Umeclidinium/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 Ciron

**COPD and Dysphagia - a 2-year follow up from the TIE-study**
Margareta Gonzalez Lindh (Gävle, Sweden), Kristina Bröms, Björn Stållberg, 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)**
Chiu-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**
Nico 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.**
Viktoriia 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 El 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(ApneaLinkTM®) in conjunction with the hospital sleep unit and cost study
Cristina Muñoz-Pindado (Vic (Barcelona), Spain), Raúl Bonich-Juan, Pere Roura-Poch, Carlos Muñoz-Pindado, Emma Puiggorioll-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

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 Juvanteny-Ginebra, Raúl Bonich-Juan, Carlos Muñoz-Pindado, Maragda Deutú-Colom, Mireia Prat-Viñolas, Raquel Vioque-Puebla, Sara Sanchez-Belmonte, Emma Albiá-Real, Carme López-Carrascosa, Alexandra Simó-Llaverro, 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 Doukh Elgharbi

PS-2 Session 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
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

Understanding the Long-Term Effects of COVID-19: A Two-Year Follow-up Study in a Secondary Care Setting
Tandeep Gill (London, United Kingdom), Susanna Mason, Ritesh Kumar, Alex Wilkinson, Thida Win

Evaluating post-COVID care: a retrospective cohort study into long-term symptoms
Edward Yeo (Leeuwarden, Netherlands), Edith Visser, Jolanda C. Kuijvenhoven

Symptom variability in female long COVID patients
Anouk W. Vaes (Horn, Netherlands), Maarten Van Herck, Qichen Deng, Martijn A. Spruit

Physical performance 5 and 12 months after hospital-discharge in COVID-19 survivors
Molly M Baldwin (Leicester, United Kingdom), Hamish Mcauley, Enya Daynes, Lorna Latimer, George Mills, William D Man, James D Chalmers, Ling-Pei Ho, Alex Horsley, Michael Marks, Krishnah Poonasamy, Betty Raman, Louise V Wain, Christopher E Brightling, Rachael A Evans, Sally J Singh, Neil J Greening, P Hosp-Covid Collaborative Group

Correlation between lung function and functional capacity after inspiratory muscle training in post-COVID-19
Tamires Mori (Toronto, Brazil), Antonio Roberto Zamunér, Maria Eugenia Rossetti Borges, Eli Maria Pazzianotto-Forti, Marlene Aparecida Moreno

Evaluation of a Hybrid, Digital and In-Person, Rehabilitation Programme for Long-Covid: A Multiple Stakeholder Mixed Methods Analysis
Andrew Simpson (Hull, United Kingdom), Laura Gale, Clare Killingback, Caroline Duke, Adam Fenwick, Daniel Moore, Angela Williams, Mark Pearson, Michael Crooks
Effect of rehabilitation programme on autonomic functions in individuals with post-COVID syndrome
Manyya Alhotye (Leicester, United Kingdom), Rachael A Evans, Andre Ng, Sally J Singh

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?
Nikki Gardiner (Leicester, United Kingdom), Enya Daynes, Linzy Houchen-Wolloff, Sally J Singh

Repetitive transcranial electromagnetic stimulation, RTMS, does improve fatigue, depression and cerebral symptoms in severe Long COVID syndrome.
Gerhard Laier-Groeneveld (Bochum, Germany), Susanne Maus

Rehabilitation improves post-Covid-19 sequelae regardless of time, age, gender, or disease severity
Andreas Asimakos (Athens, Greece), Stavroula Spetsioti, Spyros Metzelopoulos, Archontoula Antonoglou, Dimitrios Spaggoulakis, Spyros Zakynthinos, Antonios Kontaxakis, Aspasia Mavronasou, Anastasia Kotanidou, Ioanna Dimopoulos, Paraskevi Katsaounou

Multi-disciplinary supervised home based pulmonary tele-rehabilitation (tele-PR) program improves outcomes of patients with chronic respiratory diseases (CRD)
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, Rynn Y F Cheng, Sai On Ling, Desmond C K Tseng, Chie Wai Yim, Pui Kin Ng, Dora Chan, Kenneth Leung, Thomas Y W Mok

Comparison of different clinical control instruments to detect the change caused by physical exercise in people with moderate to severe asthma
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

Understanding breathlessness in asthma: cross-sectional study on breathlessness burden and psychophysiological correlates
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

Stakeholders’ top 10 strategies to improve sedentary behaviour in severe asthma
Paola Urroz (Newcastle, Australia), Vanessa Mcdonald, Peter Gibson, Eleanor Majellano, Hayley Lewthwaite

Relation between treatable traits, treatment (Tx) choices and symptom control/exacerbation (exac) risk in moderate–severe asthma
Gabriel Garcia (City Bell, Argentina), Pierluigi Paggiaro, Nicolas Roche, Sean Oosterholt, Janna Duong, Manish Verma, Anurita Majumdar, Maximilian Plank, Shalini Girotra, Oscar Della Pasqua

Comparison between 8 or 12 weeks of aerobic exercise traning in subjects with moderate to severe asthma
Ronaldo Aparecido Da Silva (São Paulo (SP), Brazil), David Halen Araujo Pinheiro, Vitória Zacarias Cervera, Alberto Cukier, Regina Maria Carvalho-Pinto, Celso Ricardo Fernandes Carvalho

Effectiveness of pulmonary rehabilitation on severe asthma outcomes: a pre-post study
Emilie Margoline (Lille, France), Emeline Cailliau, Sarah Gephine, Stéphanie Fry, Olivier Le Rouzic, Jean-Marie Grosbois, Cécile Chenivesse

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

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)

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
<table>
<thead>
<tr>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>High insulin inhibits ferroptosis and alleviates acute lung injury via LNC473-HIF1α-GPX4/FSP1 axis in obese mice</td>
<td>Shibo Guan (Shenyang, China), Wei Wang</td>
</tr>
<tr>
<td>Effect of the putative senotheroy, Fisetin on small airway epithelial cells in COPD</td>
<td>Justine Devulder (London, United Kingdom), Peter Fenwick, May Al Sahaf, Patrizia Viola, Louise Donnelly, Peter Barnes</td>
</tr>
<tr>
<td>Investigation of heme-induced lung injury in human precision cut lung slices using a proteomics approach.</td>
<td>Namrata Kewalramani (Bern, Switzerland), Carlos Machahua, Thomas Marti, Michelle Zingg-Bärschi, Fabian Käsermann, Martin Stampfli, Kleanthis Fytianos, Manuela Funke-Chambour</td>
</tr>
<tr>
<td>Whey Protein Supplementation Improves Lung Function, Functional Capacity and Respiratory and Peripheral Muscle Strength in Healthy Older Adults</td>
<td>Rodelfo P Vieira (Anápolis, Brazil), Meiry de Souza Moura Maia, Anamei Silva-Reis, Rosa Helena Ramos De Paula-Vieira, Eduarda Teodora Rachid Wolpp, Naiara Nadia Moreira, Luis Vicente Franco De Oliveira, Andre Luis Lacerda Bachi, Yanesko Fernandes Bella</td>
</tr>
<tr>
<td>Tartrate-resistant acid phosphatase activity and apoptotic clearance by alveolar macrophages of rabbits on an oil diet and with pulmonary emphysema</td>
<td>Snežana Zunic (Belgrade, Republic of Serbia), Svetlana Zunic</td>
</tr>
<tr>
<td>Lead optimization and mode-of-action elucidation for novel antifibrotics</td>
<td>Kevin Merchant (Munich, Germany), Diana Porras-Gonzalez, Xin Wei, Huulong Ma, Ahmed Agami, Melanie Wögrath, Nikolaus Kneidinger, Ali Onder Yildrim, Herbert B. Schiller, Oliver Plettenburg, Michael Gerckens, Gerald Burgstaller</td>
</tr>
<tr>
<td>Virlaza® Demonstrates Profound Anti-inflammatory Effects Against Viral and Bacterial Infections: From Laboratory Research to Clinical Application</td>
<td>Rodelfo P Vieira (Anápolis, Brazil), Dobroslav Melamed, Maysa Alves Rodrigues Brandao-Rangel, Boris Brill, Razi Ronnen</td>
</tr>
<tr>
<td>Effect of the novel senolytic drug, BCL-xL PROTAC, on small airway epithelial cells in COPD</td>
<td>Justine Devulder (London, United Kingdom), Peter Fenwick, May Al Sahaf, Patrizia Viola, Neetu Razdan, Raphael Lemaire, Lina Odegquist, Louise Donnelly, Peter Barnes</td>
</tr>
<tr>
<td>Treatment with angiotensin-(1-7) shows a prolonged effect in an experimental model of chronic asthma with the maintenance of the allergen challenge</td>
<td>Igor Antonio Carvalho-Ribeiro (Belo Horizonte, Brazil), Maria Glória Rodrigues-Machado, Giselle Magalhães, Juliana Gregório, Kezia Gonzaga, Robson Augusto S. Santos, Maria José Campagnole-Santos</td>
</tr>
<tr>
<td>TGFβ drives fibrotic remodeling via modulation of homeostatic and pathological fibroblast populations in a murine model of pulmonary fibrosis</td>
<td>Michael Beers (Philadelphia, United States), Willy Roque-Barboza, Aditi Murthy, Sarah Bui, Yaniv Tomer, Charlotte Cooper, Katrina Chavez, Anamarie Reineberg, Luis Rodriguez</td>
</tr>
<tr>
<td>A micropeptide MSTRG.1695.1-aa alleviates inflammatory-fibrosis pathological injury of lung tissue in COPD mice by suppressing EMT via targeting p38-MAPK</td>
<td>Xue Tian (Shanghai, China), Xue Zhang, Yan Zhou, Yuning Huang, Guogang Xie, Xia Fei, Min Zhang</td>
</tr>
<tr>
<td>MicroRNA-135a-5p suppresses the CaSR-NLRP3 inflammasome axis and protects against sepsis-induced acute lung injury</td>
<td>Salman Khan (New Delhi, India), Syed Mansoor Ali</td>
</tr>
<tr>
<td>LSC - 2024 - Sigma-1 receptor agonist mitigates bleomycin-induced pulmonary fibrosis in mice</td>
<td>Adam Hosszu (Budapest, Hungary), Akos Toth, Dora Bianka Balogh, Kata Cseko, Judit Hodrea, Zsuzsanna Helyes, Attila J. Szabo, Andrea Fekete</td>
</tr>
<tr>
<td>Inhibition of the de-ubiquitinse USP30 in human fibroblasts from IPF patients suppresses the fibrotic response</td>
<td>Ahmed Fahim (Wolverhampton (West Midlands), United Kingdom), Karim Hazar, Lawrence Eagles, Ahmed Habib, Patrick Yiu, Charlotte Knights, Paul Thompson, Francesco Nucera, Antonio Leni, Paul Kirkham</td>
</tr>
<tr>
<td>Repetitive human UC-MSC administration limits the progression of pulmonary fibrosis induced by repetitive bleomycin instillation</td>
<td>Joan Truyols (Inca, Spain), Alexandre Oliver-Roca, Gabriel Escarrer-Garau, Cristina Gómez-Bellvert, Teresa De Francisco-Casado, María Del Mar Estrany-Celià, Aina Martín-Medina, Catalina Crespi-Bestard, Ernest Sala-Llinàs, Josep Mercader</td>
</tr>
<tr>
<td>Antifibrotic property of pemafibrate during bleomycin-induced lung fibrosis</td>
<td>Sachiko Matsubayashi (Tokyo, Japan), Saburo Ito, Saiko Nishioka, Shun Inukai, Masahiro Yoshida, Daisuke Takekoshi, Shunsuke Minagawa, Hiromichi Haru, Jun Araya</td>
</tr>
</tbody>
</table>
PS-15 | Session 08:00 - 09:30


**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), Chair to be confirmed

---

**The prevalence and severity of allergic rhinitis in primary care**
Howraman Meteran (Hvidovre, Denmark), Søren Brynald

**Burden of asthma and health care resource utilization in patients with severe asthma and an eosinophilic phenotype: A US claims analysis**
Victoria S. Benson (Uxbridge (Middlesex), United Kingdom), Steven Gelwicks, R.K. Ramssanjay, Loretta Jacques, David Muccino, Rafael Alfonso-Cristancho, Jihye Park

**Asthma and atopy in Angola: a cluster analysis**
Margarete Lopes Teixeira Arrais (Luanda, Angola), Jorge M. R. Gama, Luis Taborda-Barata

**Projected 20-Year Burden of Asthma in Singapore: Data from Population Real World Registry**
Laura Huey Mien Lim (Singapore, Singapore), Yah Ru Juang, Mariko Siyue Koh, Mei Fong Liew, Ming Ren Toh, Gerald Xuan Zhong Ng, Yvonne Qi Feng Wong, Sean Shao Wei Lam, Jun Tian Wu, Narayan Ragavendran, Anthony Chau Ang Yii, David Hsien Yung Tan, Zafar Safari, Wenjia Chen

**Initial data analysis of the SHARP CRC patient population reveals a large heterogeneity among European patients with severe asthma**

**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

**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

**Skin prick test reactivity to common aeroallergens among a study population of 328 patients**
Sameer Arbat (Nagpur (Maharashtra), India), Tulika Arbat, Bharat Agrawal

**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

**Higher inflammatory eosinophil levels in eosinophilic bronchitis compared to mild allergic asthma**
Christiane Whetstone (Hamilton, Canada), Imran Safia, John-Paul Oliveria, Karen Howie, Danica Brister, Nermin Diab, Caitlin Stevens, Jennifer Wattrie, Lesley Wiltshire, Paul O'Byrne, Roma Sehmi, Gail Gauvreau

**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
Diagnostic criteria for ABPA: a real-life comparison.
Chiara Gollinucci (Lessolo, Italy), Irene Pomero, Giuseppe Guida, Stefano Pizzimenti, Stefano Leva, Vitina Carriero, Francesca Bertolini, Elisa Arrigo, Fabio Luigi Massimo Ricciardolo

Diagnostic bronchoscopy for allergic bronchopulmonary aspergillosis/mycosis
Koichiro Asano (Kanagawa, Japan), Katsuyoshi Tomomatsu, Jun Tanaka, Takashi Ishiguro, Hirokazu Taniguchi, Yoshikazu Yamaji, Naoki Koshimizu, Hidekazu Matsuhashi, Teruki Nishiumi, 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

Poster session: Clinical translation in rare interstitial lung diseases
PS-28 Session 08:00 - 09:30

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)

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 Crescensi, Angelo Guido Corsico, Ilaria Campo

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, Jinrong Dai, Shuzhen Meng, Keqi Chen, Yang Zhao, Song Liu, Shao-Ting Wang, Yanli Yang, Kai-Feng Xu, Xinlan Tian

Revitalizing Alveolar Immunity: MSC role in Autoimmune Pulmonary Alveolar Proteinosis
Xinyu Song (Guangzhou, China), Jing Jin, Mengni Zhang, Yiping Zhu, Shiyue Li

Lipoid pneumonitis: new insights - a systematic review
Elisabeth Bendstrup (Aarhus N, Denmark), Morten Nielsen, Akash Meegoda

Clinical relevance of diffusing lung capacity for carbon monoxide (DLCO) in patients with acid sphingomyelinase disease (ASMD): a post-hoc analysis
Wim A. Wuys (Leuven, Belgium), Francesco Bonella, Maurizio Scarpa, Venediktos Kapetanakis, Pragya Shukla, Marie Fournier, Maja Gasparic, Ruth Pulikottil-Jacob

Reality check – the low positive predictive value of positive autoimmune markers in CTD ILD/myositis
Wint Wah Soe (Eastleigh, United Kingdom), Emily C Rose, Efrem Eren, Karen Smith, Sophie Victoria Fletcher
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 Namsarева, Daniela Dietel, Marion Frankenberger, Oliver Eickelberg, Nikolaus Kneidinger, Ali Yildirim, Herbert Schiller, Jürgen Behr, Isis Fernandez

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, Coastal Hayton, Pilar Rivera-Otgera

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, Effrosyni Manali, Vincent Brunel, Philippe Bonniaud, Diane Bouvry, Marie Pierre Debray, Pierre Antoine Juge, Ralph Epaul, Alis De Becdelièvre, Camille Louvrier, Aurélié Plessier, Flore Sicre De Fontbrune, Lidwine Wemeau-Stervinou, Sylvain Marchand Adam, Alexandre Chabrol, Arnaud Maurac, Laurent Savale, David Montano, Bruno Crestani, Vincent Cottin, Raphael Borie

Novel lamp3 gene mutation associated with variable clinical presentation of interstitial lung disease
Mohamad Hadhoud (Jerusalem, Israel), Jonathan Rips, Tamar Lips, Oded Breuer

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

Role of genetic testing in pleuroparenchymal fibroelastosis
Joëlle Friese (Rotterdam, The Netherlands), Ghadah Alrehaili, Jennifer Kemppainen, Sanjay Kalra, Filippo Pinto E Vairo, Teng Moua, Eunhee Yi, Alejandro Ferrer, Mirinal Patnaik, Eva Carmona

Impact of genetic testing in pleuroparenchymal fibroelastosis
Joëlle Friese (Rotterdam, The Netherlands), Ghadah Alrehaili, Jennifer Kemppainen, Sanjay Kalra, Filippo Pinto E Vairo, Teng Moua, Eunhee Yi, Alejandro Ferrer, Mirinal Patnaik, Eva Carmona

Trends in pulmonary function in patients with Birt-Hogg-Dubé syndrome: A retrospective cohort study
Jesper Rømhild Davidsen (Odense C, Denmark), Marie Moldt Holmager, Sarah Wordsenskjold Stougaard, Ole Graumann, Marianne Præstegaard, Lilian Bomme Ousager, Lars Lund, Annette Schuster, Casper Falster

Cystic Lung Disease in Older Patients with Birt-Hogg-Dubé Syndrome
Vasilios Tzilas (Athens, Greece), Rui Wang, Wei Wei, Xiaowen Hu, Jay Ryu

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, Gwenaëlle Lorillon, Abdellatif Tazi

Renal angiomyolipoma and lymphangiomleiomyoma sirolimus treatment in patients with lymphangioleiomyomatosis.
Elżbieta Radzikowska (Warsawa, Poland), Joanna Nowacka-Eysmont, Joanna Milkowska-Dymianska, Małgorzata Sobiecka, Adriana Roży, Paulina Skronska, Renata Langfort, Iwona Bestry, Stefan Wesołowski, Joanna Chorostowska-Wynimko, Katarzyna Blasinska

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 Cerbone, Chiara Nani, Dario Andrisani, Roberto Tonelli, Enrico Clini, Stefania Cerri, Bianca Beghè

**PS-22**  Session 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, Imaging

Tag(s) : Clinical

Chairs : Christoph Lange (Borstel, Germany), Chair to be confirmed

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
Impact of Tuberculosis on lung function: Describing PTLD in Latin America
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

Tuberculosis treatment outcome in elderly patients: a retrospective monocentric observational study
Lucia Allavena (Milano, Italy), Irene Sini, Maurizio Ferrarese, Alice Claudia Repossi, Marco Mantero, Francesco Blasi, Luigi Ruffo Codecasa

Healthcare diagnostic delay of Tuberculosis in Portugal – is education the key?
Filipa Joao da Silva Santos Ribeiro de Jesus (Chaves, Portugal), Maria Francisca Barros, Ana Isabel Ribeiro, Oscar Felgueiras, Raquel Duarte

An in-depth exploration of coping with Multidrug Resistant Tuberculosis: A Qualitative study
ARCHANA MALIK (Deoghar, India), Ananada Datta, Pratima Gupta, Jahnvi G, Vinayagmoorthy V, Bijit Biswas, Sarthak Das

Assessment of the psychological state in patients with drug-resistant pulmonary tuberculosis (DR-TB)
Rostyslav Liubelych (Kyiv, Ukraine), Natalia Lytvynenko, Yuliia Senko, Svitlana Korotchenko, Valentyna Davydenko, Lesya Shcherbakova, Oksana Chobotar, Tetiana Senko

The Tuberculosis-Cancer Conundrum – Experience of 1000 patients at a tertiary cancer centre
Karmay Shah (AHMEDABAD, India), Owais Tisekar, Aayushi Gupta, Anish Lodha, Pranavi Amin, Kriti Yc, Anshu Punjabi, Pavan Kumar Birari, Sandeep Tandon, Mahema Bhaskar

Factors influencing the management delays of pulmonary tuberculosis in a Tunisian population
Siwar Rejeb (tunis, Tunisia), Haifa Zaibi, Ala Rahmouni, Emma Ben Jemia, Hend Ouertani, Jiiben Ben Amar, Hichem Aouina

Drug abuse: does it change the profile and prognosis of pulmonary tuberculosis?
Haifa Zaibi (Tunis, Tunisia), Ala Rahmouni, Siwar Rejeb, Emma Ben Jemia, Hend Ouertani, Jiiben Ben Amar, Hichem Aouina

BCG-itis incidence and seriousness among patients treated with intravesical BCG
Christian Niels Meyer (Roskilde, Denmark), Bakir N I Al-Jarah1, T. Freja M Fornander, Juan L Vasquez

Blended Learning Course for Tuberculosis Case Managers: effectiveness and satisfaction
I Wen Chang (Taipei, Taiwan), Yan Zhen Lin, Jann Yuan Wang

Tuberculosis survivors and the risk of cardiovascular disease
JEONG HYEON PARK (Cheongju, Republic of Korea), Bumhee Yang, Sun-Hyung Kim, Ki Man Lee, Hyun Lee, Jiyoul Yang

Effect of complicated, untreated, and uncontrolled diabetes and pre-diabetes on treatment outcome among patients with pulmonary tuberculosis
Kyung Hoon Kim (Incheon, Republic of Korea), Joong Hyun Ahn, Ju Sang Kim, Hyung Woo Kim, Eung Gu Lee, Yeonhee Park, Jinsoo Min

Risk factors associated with sputum smear and culture non-conversion following intensive phase treatment in pulmonary tuberculosis patients: a systematic review and meta-analysis
Phumipat Pipattanasak (Nakhon Nayok, Thailand), Nichakorn Nimtawat, Pichaya Petborom

Factors associated with depression among elderly tuberculosis patients: a prospective multicenter cohort study
Ahran Kim (Seoul, Republic of Korea), Jeewon Lee, Hyung Woo Kim, Ju Sang Kim, Yousang Ko, Eung Gu Lee, Yeonhee Park, Sang Haak Lee, Jinsoo Min

The risk factors for severe evolution of SARS-CoV-2 infection in association with pulmonary tuberculosis
Tatiana Osipov (Chisinau, Republic of Moldova), Alina Malic, Adriana Niguleanu, Evelina Lesnic

Risk factors for sputum-smear positive in active tuberculosis patients
Daoyan Tang (chengdu, China), Jianqiang He

Impact of Post-Tuberculosis Lung Disease on Clinical Presentation and Quality of Life: Insights from a Pilot Prospective Cohort in Latvia
Linda Setlere (Riga, Latvia), Liga Kuksa, Vija Riekstina, Nityanand Jain

Pulmonary tuberculosis and smoking: When two public health problems converge
Chaima Turki (ariana tunis, Tunisia), Houda Rouis, Chirine Moussa, Chaima Jnayah, Souha Abdelneji, Ibtihel Khouaja, Ines Zendah, Sonia Maalej
Poster session: Exploring novel mechanisms and targets in chronic obstructive pulmonary disease

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

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

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

**Chairs:** Kinan El Husseini (Paris, France), Sukhwinder Sohal (Launceston, Australia)

**Cell-type specific expression of TSLP & its regulation by smoking in human airway epithelium**
Senani Rathnayake (Sydney, Australia), Manav Sharma, Corry-Anke Brandsma, Brian Oliver, Wim Timens, Ian Adcock, Martijn Nawijn, Irene Heijink, Maarten Van Den Berge, Alen Faiz

**Altered expression of mir-193b-3p, mirR-202-5p and mirR-331-3p in SEO-COPD lung tissue**
Corry-Anke Brandsma (Groningen, Netherlands), Nikolaas J. Bekker, Jos L.L. Van Nijen, Roy R. Woldhuis, Wierd Kooistra, Wim Timens, Maarten Van Den Berge, Alen Faiz

**Lower HHIP serum protein levels in young COPD**
Mohamed Zakaria LAHMAR (Montpellier, France), Engi Ahmed, Aurelie Fort, Isabelle Vachier, Nicolas Molinari, Anne Bergougnoux, Arnaud Bourdin

**LSC - 2024 - Epigenetic age acceleration and severity of airflow limitation on blood and lung tissue of COPD**
Julia Viglino (Barcelona, Spain), Sandra Casas-Recasen, Nuria Olivera, Tamara Garcia, Alvar Agusti, Rosa Faner

**Role of mitophagy regulator USP30 on mitochondrial health and airway epithelial function**
Michael Munson (Mölnadal, Sweden), Elisabeth Ax, Reetta Holmila, Emma Korhonen, Agnes Leffler, Markus Tammia, Ken Grime, Odqvist Lina

**Smoke-Triggered Cell Apoptosis: Role of miRNA200a-ZEB2 Interaction in BEAS-2B Cells**
Jia Hou (Yinchuan, China), Xia Wang, Jiale Zhao, Xinru Peng, Zhijun Zhao, Juan Chen

**Transcriptomic changes in GOLD grade 2 to 3 COPD with chronic bronchitis following metered cryospray**
Alexandra Baikov (London, United Kingdom), Ali Versi, Nadia Fernandes, James Tonkin, Rebecca Wawman, Richard Williams, Nik Matthews, Christopher Orton, Pallav Shah, Pankaj Bhavsar

**Gene and miRNA expression profiles in peripheral blood mononuclear cells (PBMCs) and sputum samples from patients with COPD with and without PIZZ alpha1 antitrypsin deficiency**
Cristina Esquinas Lopez (Barcelona, Spain), Cristina Aljama, Alexa Nuñez, Gerard Orios, Galo Granados, Miriam Barrecheguren, Marc Miravitlles

**The nasal transcriptome reflects clinically relevant disease activity in NOVELTY, with a different signal in asthma and in COPD**
Maarten van den Berge (Groningen, Netherlands), Machteld N Hylkema, Martijn C Nawijn, Hui Wen, Christen Janson, Adnan Azim, Arun Jayaraman, Zhi Lui, Gary Anderson, Greet De Baets, Rod Hughes, Hana Mullerova, Daniel Muthas, Lisa Oberg, Kristoffer Öster, Adam Platt, Ian C Scott, Rosa Faner, Stephanie A Christenson, For The Novelty Scientific Community And The Novelty Study Investigators

**Association of T-cell receptor β repertoire diversity and frequent exacerbation phenotype in COPD**
Mengxin Cheng (Chengdu, China), Zijian Zeng, Ke Wang, Yanhui Gu, Jun Chen, Tao Wang, Fuqiang Wen

**Hub genes PRPF19 and PPIB in relation to COPD: A Mendelian Randomization investigation**
Jia Hou (Yinchuan, China), Jiale Zhao, Shuhui Huang, Xinru Peng, Zhijun Zhao, Juan Chen

**Per3 deficiency aggravates cigarettes-smoking induced emphysema in mice**
Yutian Zhang (Chengdu, China), Zijian Zeng, Mengxin Cheng, Tao Wang, Jun Chen, Fuqiang Wen

**Targeting the immunoproteasome: a new therapeutic concept for COPD**
Laylan Bramasole (Borstel-Suelfeld, Germany), Eslam Abdalalem, Frauke Koops, Juliane Merl-Pham, Jochen Behrends, Inken Wohlers, Silke Miravillies

**Identification of Potential Hub Genes for Acupuncture in Treatment with Chronic Obstructive Pulmonary Disease via Integrated Bioinformatics Analysis**
yang liu (zhengzhou, China), Yange Tian, Qingzhou Guan, Lanxi Zhang, Yixi Liao, Fanli Jin, Xuejie Shao, Jiansheng Li

**Modelling COPD in Drosophila Melanogaster by cigarette smoke inhalation exposure: Alterations in the expression of COPD-relevant orthologous genes**
PERIKLIS MARNAS (Larisa, Greece), Sotirios Zarogiannis, Stefan Lüpold, Lydia Giannakou, Athanasios-Stefanos Giannopoulos, Chrissi Hatzoglou, Konstantinos Gourgoulis, Erasmia Rouka

**GLUT3 mediated airway remodeling in chronic obstructive pulmonary disease through the NF-kB/ZEB1 pathway**
Tao Bian (Wuxi, China), Yu Ding, Ziteng Wang, Zheming Zhang, Rong You, Yan Wu
LSC - 2024 - Mucin overexpression in (pre-)COPD lung tissue correlates with degree of emphysema
Hanne Voet (Wilrijk, Belgium), Baptiste Oosterlinck, Wout Arras, Dieter Peeters, Jeroen Hendriks, Stijn Verleden, Annemieke Smet, Thérèse Lapperre

Roxadustat Alleviates Cigarette-Induced COPD via the VEGF-A Pathway
Jing Zhang (Shanghai (Xuhui District), China), Jian-Lan Hua, Bin-Feng He

The effects and mechanisms of PRDX6 on alleviating epithelial ferroptosis in COPD through enhancing the stability of ferritin and inhibiting its ferritinophagy
Tingting Wei (Shanghai, China), Xiaocen Wang, Ke Lang, Dong Yang

Spatial transcriptome analysis in the airway epithelium identifies an altered gene expression profile in COPD versus control tissue
Robert Hall (Nottingham (Nottinghamshire), United Kingdom), Michael Portelli, Alexander Clay, Ian Hall, Ian Sayers

PS-25 Session 08:00 - 09:30
Poster session: Molecular pathways in lung cancer

Disease(s): Thoracic oncology, Airway diseases
Method(s): Cell and molecular biology, Endoscopy and interventional pulmonology, Epidemiology, General respiratory patient care, Palliative care, Imaging
Tag(s): Basic science, Translational
Chairs: Daniela Xhemalaj (Tirana, Albania), Chair to be confirmed

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

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 Kokkotou (N.Faliro (Piraeus), Greece), Stylianos Gaitanakis, Anna Papadopoulou, Garyfallia Poulakou, Nick Syrigos, Petros Bakakos, Andriani Charpidou, Dimitra Grapsa

PIM2 Kinase Inhibitors Affect Lung Cancer through Endoplasmic Reticulum Stress
Zhijing Shi (Tianjin, China), Yan Song, Yiman Li, Yang Yu, Huijie Hou, Fei Pan, Jinlu Ji, Zhe Chen

The expressional 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-Yeon Kim, Kyoung Min Moon

Comparison of PD-L1 immunohistochemistry assays for non-small-cell lung cancer
Goohyeon Hong (Cheonan, Republic of Korea), Youn Seup Kim

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 Tráta, Jan Geryk

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 death 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 Lung Squamous Cell Carcinoma Cases: Clinical Profiling of BRAF V600E Mutation in Three Cases
Naozumi Hashimoto (Toyoake, Japan), Yasuhiro Goto, Ryoma Moriya, Tomohide Souma, Hisashi Kako, Ken Akao, Yuko Oya, Sumito Isogai, Masashi Kondo, Kazuyoshi Imazumii

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), Ryutaro Hirayama, Issei Katayama, Kazuki Oshita, Kotaro Kajiwara

The impact of mutation analysis on prognosis in advanced-stage lung adenocarcinoma
Ahmet Melih Sahin (Ankara, Turkey), Ahmet Melih Sahin, 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

CELLS CYCLE GENES IN CANCER STEM CELLS MOSTLY ASSOCIATED TO RECURRENCE IN NON-SMALL CELL LUNG CANCER (NSCLC).
Beatrice Aramini (Bologna, Italy), Valentina Masciale, Federico Banchelli, Giulia Grisendi, Franco Stella, Massimo Dominici

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 Vasiliauskas (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 Kanellakis, Dinesh Addala, Wai Mei Chew, Alguili Elsheikh, Beenish Iqbal, Anand Sundaralingam, Abeer Saad, Nityka Kaushal, Niki Russell, Julienne Cabildo, Rob Hallifax, Najib Rahman

Ventilation defect percentage from PREFUL MRI in pediatric primary ciliary dyskinesia
Wallace Wee (Toronto (ON), Canada), Brandon Zanette, Samal Munidasa, Sharon Braganza, Daniel Li, Felix Ratjen, Sharon Dell, Giles Santyr

Analysis of the roles of air trapping and diffusion in the prognosis of COPD from the prospective KOCOSS Cohort
Hyun Lee (Seoul, Republic of Korea), Youlim Kim, Hajeong Kim, Seong Yong Lim, Jae Jeong Shim, Kwang Ha Yoo

Assessment of pulmonary function using an infrared Time-of-Flight depth image sensor in patients with COPD
Satoshi Tanaka (Kawasaki city, Kanagawa, Japan), Hiroki Nishine, Kentaro Utsunomiya, Shohei Sato, Takemi Masui, Hiroshi Handa, Masamichi Mineshita

Prevalence and characteristics of small airways disease in a general population
Hazim Abozid (Wien, Austria), Emil F.M. Wouters, Ahmad Karimi, Mohammad Azizzadeh, Andre F.S. Amaral, Sylvia Hartl, David Kaminsky, Marie-Kathrin Breyer, Robab Breyer-Kohansal

Grading the severity of airways obstruction by spirometry - comparison of ERS/ATS 2021 and 2005 technical standards
Devasahayam Jesudas Christopher (Vellore (Tamil Nadu), India), Bharath Karthikeyan, Veluchamy Rathakrishnan Sangeeth Priyadarshan, Kotamreddy Sreedevi, Roselin Juliet Joice, Barney Isaac, Balamugesh Thangakumaran

Characteristics of Preserved Ratio Impaired Spirometry (PRISm) patients in Austrian real world COPD studies
Stephan Brecht (Vienna, Austria), Horst Olschewski, Sylvia Hartl, Arschang Valipour, Georg-Christian Funk, Michael Studnicka, Marcel Rowhani, Bernhard Kaiser, Eva Maria Wallner, Bernd Lamprecht, Andreas Horner

Pulmonary function and Lung Ageing in healthy smokers
Chaima BRIKI (ariana, Tunisia), Khouloud Kchaou, Balsam Barkous, Sirine Jamli, Saloua Ben Khamsa Jameedine
Novel spirometric parameters and small airway disease in COPD
James Dean (Holmes Chapel, United Kingdom), Augusta Beech, Stephen Fowler, Dave Singh

Physiologist-led home spirometry service (PLHSS) helps identify different asthma phenotypes for an improved patient centred approach.
Kay Roy (London, United Kingdom), Helen Purcell, Meg Robshaw

Comparison of bronchodilator responsiveness (BDR) between GINA guidelines and ERS/ATS 2021 interpretative strategies
Devasahayam Jesudas Christopher (Vellore (Tamil Nadu), India), Veluchamy Rathakrishnan Sangeeth Priyadarshan, Bharath Karthikeyan, Kotamreddy Sreedevi, Roselin Juliet Joice, Barney Isaac, Balamugesh Thangakunam

Prevalence and characteristics of Airway Collapse in Non-Specific Pattern of Lung Function
Khouloud Kchaou (Ariana, Tunisia), Balsam Barkous, Chaima Briki, Soumaya Khaldi, Saloua Ben Khamsa Jameleddine

Association between stress levels and quality of spirometry test performance
Soumaya Rebay (Menzel jemil, Tunisia), Khouloud Kchaou, Chaima Briki, Ines Hichri, Balsam Barkous, Saloua Ben Khamsa Jameleddine

Association between respiratory symptoms and mechanics in the general population
Chiara Veneroni (Milano (MI), Italy), Christoph Valach, Emiel F M Wouters, Christoph Gross, Alessandro Gabbi, Raffaele Dellaca’, Marie-Kathrin Breyer, Hartl Sylvia, Charles G. Irvin, Pasquale Pompilio, Robab Breyer-Kohansal

How should a positive bronchodilator test be interpreted?
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 Ojianguren Arranz, M Jesús Cruz Carmona, Xavier Muñoz Gali

The correlation between expiratory and inspiratory spirometric parameters during the bronchodilation test in asthmatic patients
safa daly (la marsa, Tunisia), Khouloud Kchaou, Yosra Abdelhedhi, Chaima Briki, Saloua Ben Khamsa Jameleddine

Relation of changes in PEF and FEV1 during bronchoconstriction
Leon Csonka (Tampere, Finland), Antti Tikkakoski, Liisa Vuotari, Jussi Karjalainen, Lauri Lehtimäki

Phenotypic differences between Asthmatics with and without Small Airways Dysfunction (SAD) as defined by lung oscillimetry and spirometry
Deesha Ghorpade (Pune (Maharashtra), India), Suhas Bardapurkar, Harshvardhan Vhora, Virendra Singh, Parthasarthi Bhattacharyya, Ragini Diwan, Shreesh Bardapurkar, Udaiveer Singh, Sujata Chauhman, Sapna Madas, Ruby Swami, Abhishek Sabale, Meena Lopez, Jaideep Gogtay, Sundeep Salvi

Exploring the relationship between Diaphragmatic Ultrasound and Specialized Pro-resolving Mediators in Chronic Obstructive Pulmonary Disease
Warda Jelassi (Tunis, Tunisia), Abir Hedhli, Khadija Euchi, Meriem Mjid, Yacine Ouahchi, Sana Cheikrouhou, Sonia Toujani, Besma Dhahtri

Development of a prediction model for exertional desaturation by machine learning method
Chin Kook Rhee (Seoul, Republic of Korea), Seong Yong Lim, Kwang Ha Yoo, Won-Yeon Lee

Peak flow measurement: Take a breath for quality improvement
Sonay Beyatli (LONDON, United Kingdom), Jennifer Peggs, Simon Quantrill

Poster session: Pathogenesis of pulmonary fibrosis and serum biomarkers
Disease(s): Interstitial lung diseases, Pulmonary vascular diseases
Method(s): Cell and molecular biology, Physiology, General respiratory patient care, Imaging, Pulmonary function testing, Epidemiology
Tag(s): Clinical, Translational
Chairs: ARGYRIS TZOUVELEKIS (Patras, Greece), Raquel Guillamat Prats (Badalona, Spain)

Suppression of Macrophage Migration Inhibitory Factor Attenuates Pulmonary Fibrosis by Regulating Macrophage-Fibroblast Interactions via AKT, AMPK, and ERK Pathways
Jingwei Wang (Shanghai, China), Yuanying Wang, Di Sun, Xiaoji 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), Ana 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. Preisssner, 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

Repetitive installations of bleomycin induce persistent progressive lung fibrosis in a mouse model of IPF
Jamal Bousamaki (Hørsholm, Denmark), Asbjørn Graver Petersen, Susanne Pors, Mikkel Christensen-Dalsgaard, Yessica Wouters-Van Looy, Henrik H Hansen, Michael Feigh

Role of hypusine signaling in idiopathic pulmonary fibrosis
Sarah-Eve Lemay (Quebec, Canada), Wen-Hui Wu, Sandra Martineau, Mélanie Sauvaget, Andréanne Pelletier, Sandra Breuil-Bonnet, Alice Bourgeois, François Potus, Steeve Provencher, 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

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 (Taichung, 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 Staszak, 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), Martin Decaris, Richard Ahn, Christopher Barnes, Eric Lefebvre, Greg Cosgrove, Scott Turner

---

<table>
<thead>
<tr>
<th>PS-16</th>
<th>Session 08:00 - 09:30</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Poster session: Health impact of novel tobacco and nicotine products</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Disease(s):</strong></td>
<td>Airway diseases, Interstitial lung diseases, Thoracic oncology</td>
</tr>
<tr>
<td><strong>Method(s):</strong></td>
<td>Cell and molecular biology, Public health, Epidemiology, Physiology, Imaging, Pulmonary function testing, General respiratory patient care</td>
</tr>
<tr>
<td><strong>Tag(s):</strong></td>
<td>Basic science, Translational</td>
</tr>
<tr>
<td><strong>Chairs:</strong></td>
<td>Elif Dagli (Istanbul, Turkey), Parris Williams (London, United Kingdom)</td>
</tr>
</tbody>
</table>

**What do resident doctors know about e-cigarettes? A cross-sectional nationwide survey from Turkey**
IPEK CALIK (istanbul, Turkey), Elif Dicle Aydin, Sibel Sakarya, Onur Dikensoy

**Prevalence, use characteristics and knowledge of electronic cigarettes among children in Bogotá, Colombia.**
Luís Fernando Salazar Horta (Bogotá D.C, Colombia), Diana Dayán Crispín Cruz, Nadia Juliana Proaños Jurado, Nelson Páez Espinel, Juan Pablo Rodriguez Gallego, Natalia Becerra Uribe, Juanita Agudelo Agudelo, Alejandro Casas Herrera, Carlos Eduardo Aguirre Franco

**Prevalence and characteristics of electronic cigarette use among students from public and private schools in Bogotá, Colombia.**
Luís Fernando Salazar Horta (Bogotá D.C, Colombia), Diana Dayán Crispín Cruz, Juanita Agudelo Agudelo, Carlos Eduardo Aguirre, Alejandro Casas Herrera, Juan Pablo Rodriguez Gallego, Nelson Páez Espinel, Elida Dueñas Mesa, Nadia Juliana Proaños

**Attitudes and behaviors regarding e-cigarettes in high-school and college students from Mexico.**
Esperanza Figueroa Hurtado (Mérida (Yucatán), Mexico), Camila Neryeda Alvarez-Torres, Arturo Cortes-Telles

**Herb vaping produces carbonyls in mainstream smoke**
Efthimios Zervas (Patra, Greece), Chara Tsipa, Niki Matsouki, Evi Bekou, Maria Markygianni

**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)

**Carbonyls emissions in different brands and flavours of heated tobacco products**
Efthimios Zervas (Patra, Greece), Niki Matsouki, Chara Tsipa, Evi Bekou, Maria Makrygianni

**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

**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

**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

**Comparative Assessment of Acute Pulmonary Effects Induced by Heated Tobacco (IQOS) Aerosol Inhalation in a Murine Model**
Beong ki Kim (Ansan, Republic of Korea), Chi Young Kim

**Heated tobacco products cause increased endothelial and platelet derived extracellular vesicles in healthy young adults**
Gustaf Lyytinen (Höganas, Sweden), Georgy Melnikov, Lukasz Antoniewicz, Magnus Lundbäck, Fariborz Mobarrez
Associations of e-cigarette use with lung function and structure
Elizabeth Oelsner (New York, United States), Sarah Gerard, Diane Hawkins, Galen Ziaggi, Siyue Gao, Dona Sangapalaarchchi, Justin Liu, Maria Cepeda, Vesna Ilievski, Nancy Loiacono, Daichi Shimbo, Ana Navas-Acien, Eric Hoffman

Synthetic cooling agents and nicotine analogs in new tobacco products: tobacco industry strategies to bypass regulation
Sven-Eric Jordt (Durham, NC, United States), Hanno C. Erythropel, Peter Silinski, Julie B. Zimmerman, Paul T. Anastas, Saïram V. Jabba

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, Umar Saleem, Atiqa Amirali, Javaid Ahmed Khan

Impact of disposables head-to-head to e-cigarettes, and combustible cigarettes on arterial stiffness
Klaas F. Franzen (Luebeck, Germany), Andrea Rabenstein, Mareike Lüthgen, Dominik Edward Pawlak, Daniel Drömann, Tobias Rüther

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

World scientific production on waterpipe research
Efthimios Zervas (Patra, Greece), Niki Matsouki, Evi Bekou, Maria Makrygianni, Chara Tsipa

PS-30  Session  08:00 - 09:30

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)

**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 Gut-Gobert, Frederic Wallyn, Samy Lachkar, Nicolas Favroll, Isabelle Court-Fortune, Narinder Shargill, Nicolas Guibert

**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

**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

**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*

**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, Hakham Ebrahimi, Thomas Sgarbossa, Jacopo Saccomano, Martin Witzenrath, Ralf-Harto Hübner

**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 Saccomano, Hannah Wüsteifel, Eva Pappe, Uta Wülfing, Ulrich Klein, Martin Witzenrath, Franz Stanzel, Christian Grah, Ralf-Harto Hübner

**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

**Endobronchial closure of postoperative bronchopleural fistula with embolization coils: a sandwich-like approach**
Shuangguo (Chongqing (Chongqing), China), Yang Bai, Yi Shi Li

**Endobronchial valve treatment improves diaphragm function in severe emphysema patients**
Else A M D ter Haar (Groningen, Netherlands), Dirk-Jan Slesbos, Sonja W S Augustijn, Linze J Dijkstra, Jorine E Hartman
Risk factors for pneumothorax after treatment with endobronchial valves: a retrospective cohort study
Kirstine Hermann Jørgensen (Randers SØ, Denmark), Thomas Decker Christensen, Ingrid Louise Titestad, Jesper Rømhild Davidsen, Kathrine Bock, Kristine Jensen, Michael Perch, Morten Bendixen, Ole Dan Jørgensen, Elisabeth Bendstrup

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 Titestad, Jesper Rømhild Davidsen, Kathrine Bock, Kristine Jensen, Michael Perch, Morten Bendixen, Ole Dan Jørgensen, Elisabeth Bendstrup

Efficacy and Safety of Broncho Muco Cleaner Balloon Dilatation Therapy in COPD(EXERTION®)
Umut İlhan (İstanbul, Turkey), Erdoğan Çetinkaya, Mustafa Çörtük, Demet Türan, Fulya Senem Karahmetoğlu, Zeynep Betül Ozcan, Barış Demirkol

Promoting Tracheal Fistula Healing by Using Designed Bioactive materials
Yiming Zeng (Quanzhou (Fujian Province), China), Shao-Bin He

Effect of Bronchoscopic lung volume reduction on Diaphragmatic Contraction in Patients with severe Emphysema
Alexandros Kalkanis (Leuven, Belgium), Maud Lormans, Dries Testelmans, Marie Vermant, Hannelore Geyssen, Dimitrios Papadopoulos, Bertien Buyse, Wim Janssens, Stephanie Everaerts

Bronchial Rheoplasty for Chronic Bronchitis
Hans Henrik Schultz (København, Denmark), Regitze Hertz Liebermann, Kristine Jensen, Jann Mortensen, Erik Lilja Secher, Thomas Kromann Lund, Michael Perch

A comparative study of airway Optical coherence tomography to assess airway morphology in patients with asthma, COPD, and ACO
Wanyuan Rao (Guangzhou, China)

Effect of intrapulmonary percussion ventilation on mucus in COPD patients
Wendel Dierckx (Kontich, Belgium), Kris Ides, Yinika De Meyer, Eline Lauwers, Jan De Backer, Wilfried De Backer

Bronchial Anthracostenosis
Elena Martin Gallego (León, Spain), Pablo Franco Suarez, Yanira Chuquimia Mendoza, Brenda Lucia Romero Argüello, Javier Juan Garcia, Yolanda Alonso, Milagros Blanco Fernández, Almudena Regidor Delgado, Patricia Giganto Alfageme, Lorena Rodriguez Casado, Silvia Fernandez Huerga, Luis Carazo Fernandez

Long-term cost-effectiveness of transbronchial lung cryobiopsy in comparison to lung biopsy in the assessment of interstitial lung diseases
Joaquín Martín Fucada (Ciudad Autónoma Buenos Aires, Argentina), Eduardo Luis De Vito, Horacio Matías Castro, Hernán Javier Benito

PS-27 Session 08:00 - 09:30
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)

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 Andrä, Diana Knuth-Rehr, Silke Leja, Nicolas Hunzelmann, Eda Börner, Francesco Bonella

Telomere-related mutations in a prospective CTD-ILD cohort
Phuong Phuong Diep (Oslo, Norway), Øystein Lunde Holla, 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

Increased Levels of Complement and Immunoglobulins in Dermatomyositis-associated Interstitial Lung Disease
Yoshiaki Zaizen (Kurume, Japan), Masaki Okamoto, Kouichi Azuma, Junya Fukuoka, Tomoaki Hoshino

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
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 Jacquerie, Monique Henket, Latifa Idoufkir, Laurie Gilty, Catherine Moermans, Fanny Gester, Barbara Polese, Ingrid Struman, Edouard Louis, Michel Malaise, Dominique De Seny, Renaud Louis, Clio Ribbens

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 Midttvedt, Helena Andersson, Are Martin Holm, Trond Mogens Aalokken, Øyvind Molberg, Michael Thomas Durheim, Anna-Maria Hoffmann-Vold

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 Pachera, Michael T Durheim, Oliver Distler, Øyvind Molberg, Sam S Weigt, John A Belperio

ILD is frequently progressive in patients with Sjogren’s disease
Anna Maria Hoffmann-Vold (Oslo, Norway), Marco Petether, Emily Langballe, Phuong Phuong Diep, Håvard Fretheim, Helena Andersson, Øyvind Midttvedt, Ragnar Gunnarsson, Thorild Garen, Cathrine Brunborg, Cosimo Bruni, Michael T Durheim, Christian Clarenbach, Thomas Frauenfelder, Trond Mogens Aalokken, Oliver Distler, Øyvind Molberg

Cough and gastro-esophageal reflux in systemic sclerosis-associated ILD: a prospective study
Fiammetta Danzo (Milano, Italy), Angelo De Lauretis, Cara Roberts, Voon H. Ong, Dina Visca, Maria Kokosi, Peter M. George, Felix Chua, Vasilis Kouranos, Gisli Jenkins, Charles Murray, Christopher Denton, Athol U. Wells, Piersante Sestini, Carmel Stock, Elizabeth Renzoni

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 Wecker

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 Jennsen Bjørkekjaer, Henriette Didriksen, Phuong Phuong Diep, Helena Andersson, Ragnar Gunnarsson, Michael T Durheim, Thorild Garen, Øyvind Midttvedt, Trond Mogens Aalokken, Øyvind Molberg, Oliver Distler

Prediction of stable SSc-ILD depends on definition of ILD progression
Anna Maria Hoffmann-Vold (Oslo, Norway), Liubov Petelytska, Håvard Fretheim, Hilde Jennsen Bjørkekjaer, Trond Mogens Aalokken, Mike Becker, Cathrine Brunborg, Cosimo Bruni, Christian Clarenbach, Phuong Phuong Diep, Rucsandra Dobrota, Michael Durheim, Elhai Muriel, Thomas Frauenfelder, Suzana Jordan, Emily Langballe, Øyvind Midttvedt, Carina Mihai, Øyvind Molberg, Oliver Distler

Clinical Impact of Progressive Pulmonary Fibrosis in Systemic Sclerosis-associated Interstitial Lung Disease
Kyung-II Han (Seoul, Republic of Korea), Jung Hwa Hwang, Bo Da Nam, Jin Woo Song

Assessing Respiratory Muscle Strength in Patients with Rheumatoid Arthritis: An Exploratory Study
Melanie Berger (Köln, Germany), Maximilian Zimmermann, Doreen Kroppen, Michael Majorski, Johannes Holle, Mathes Tim, Maximilian Wollsching-Strobel, Stanzel Sarah, Wolfram Windisch, Falk Schumacher

Asymptomatic autoimmune interstitial lung disease: Neither subclinical nor clinically insignificant
Juan Ignacio Enghelbayer (Ciudad Autónoma Buenos Aires, Argentina), Adrian Gaser, Camilo Meza, Guillermo Besteiro, Viviana Moyano, Norma Naval, Beatriz Gil, Silvia Quadrelli, Eugenia Perticone, Diana Lancellotti, Brenda Varela, Diego Goñi, Giselle Tomaszkuk, Fabian Caro, Federico Campins, Federico Zenon, Fernando Piumatti, Francisco Paulin, Gabriela Manolões, Gabriela Tabaj, Antoonella Gamarra, German Arce, Paula Gonzalo, Maria Otaola, Javier Abdala, Javier Sebastiani, Jorge Garcia Goonzalez, Marcela Usandivaras, Santiago Auteri, Soledad Altube, Raul Lisanti, Silvia Del Valle Escotorin, Liliana Capone, Florencia Vivero

PROGRESSIVE FIBROSING INTERSTITIAL LUNG DISEASE IN RHEUMATOID ARTHRITIS
Marta Andreu Casas (Barcelona-Sants (Barcelona), Spain), Sara Salvador Fernandez, Paula Barquero Dueñas, Florencia Pilia, David Espejo Castellanos, Christian Eduardo Romero Mesones, Xavier Muñoz Gall, Ana Villar Gomez

Experience of connective tissue related interstitial lung disease in combined respiratory and rheumatology clinic.
Alya Salman Aldoseri (Clonsilla, Dublin, Ireland), Lindsay Brown, Emmet E Mcgrath, Michael Keane, Eamon Molloy, Cormac Mccarthy

Myositis panel in interstitial lung disease
Donia Chebbi (Ben Arous, Tunisia), Samar Derbal, Olfa Hentati, Yousra Cherif, Imen Zamali, Houda Snen, Fatma Ben Dahmen, Bechir Louzir, Melika Ben Ahmed, Meya Abdallah
Interstitial lung disease in Sjögren’s syndrome
Houda Snène (Tunis, Tunisia), senda derouiche, Amal Harzali, Hana Blibeck, Bochra Karaborni, Donia Belkhir, Sameh Belkhir, Jaloul Daghfous, Nadia Mehiri, Nozha Ben Salah, Bechir Louzir

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 Glowienka, Sarah Nickolls, Ian Steinfeld, Florence R. Wilson, Oluwaseun Egunsola, Alicia N. Pepper, Svetlana Nihtyanova, Roger A. Levy, Daniel Moldaver

C3 (live-streamed)  Session  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)

08:30  Enhancing antibiotic prescription quality in paediatric emergency rooms: results from the ADEQUATE trial
Julia Bielicki (London, United Kingdom)

08:45  Point-of-care testing to reduce antibiotic use in primary care: results from the PRUDENCE trial
Emma Harper (Oxford, United Kingdom)

09:00  Economic impact of different diagnostic strategies in respiratory infection
Maarten Postma (Groningen, Netherlands)

09:15  Integrating recommendations and stakeholder perspectives in the implementation of new diagnostics for respiratory infections
Melanie Hoste (Antwerpen, Belgium)

09:30  Discussion and Q&A

C5 (live-streamed)  Session  08:30 - 10:00
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
Chairs: Rafael E. de la Hoz (New York, United States), Michael Kreuter (Mainz, Germany), Orianne Dumas (Villejuif, France)

08:30  The impact of patient associations on daily practice
Filippo Martone (Bologna (BO), Italy)

08:35  Obstructive sleep apnoea and sarcoidosis: an underestimated comorbidity
Elisabetta Renzoni (London, United Kingdom)

08:50  Sarcoidosis and ability to work
Lesley Ann Saketkoo (New Orleans, United States)

09:05  Small fiber neuropathy in sarcoidosis: how to navigate towards diagnosis and treatment
Marcel Veltkamp (De Meern, Netherlands)

09:20  Sarcoidosis: preservation of the quality of life
Katharina Buschulte (Heidelberg, Germany)

09:35  Discussion and Q&A
**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)

- **08:30** Psychosocial care wears multiple hats: which one may best suit?  
  Francesco Pagnini (Milan, Italy)

- **08:45** Social dimensions of self-management: the impact of stigma-related emotions and social isolation  
  Sara Lundell (Umea, Sweden)

- **09:00** From thought to action: assessing stages of change in patients with chronic respiratory disease  
  Ingeborg Farver-Vestergaard (Vejle, Denmark)

- **09:15** Let the music play: music therapy as an adjunct in clinical care  
  Annemarie Lee (Melbourne (VIC), Australia)

- **09:30** Discussion and Q&A

**C2 (live-streamed) Session** 08:30 - 10:00

**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)

**Chairs:** Gabor Kovacs (Graz, Austria), Marc Humbert (Le Kremlin-Bicêtre, France), Vallerie V. McLaughlin (Ann Arbor, United States)

- **08:30** Pathobiology and genetics of pulmonary hypertension  
  Andrea Olschewski (Graz, Austria)

- **08:45** Definition, classification and diagnosis of pulmonary hypertension  
  Sonja Bartolome (Dallas, United States)

- **09:00** Pulmonary hypertension treatment algorithm and pipeline  
  Olivier Sitbon (Le Kremlin-Bicêtre, France)

- **09:15** The right ventricle in pulmonary hypertension: a future treatment target?  
  Anton Vonk Noordegraaf (Amsterdam, Netherlands)

- **09:30** Patient perspectives in pulmonary hypertension  
  Pisana Ferrari (Udine, Italy)

- **09:35** Discussion and Q&A

**C4 (live-streamed) Session** 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 Gompelmann (Vienna, Austria), Peter I. Bonta (Amsterdam, Netherlands)

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:30</td>
<td>Introduction</td>
</tr>
<tr>
<td>08:35</td>
<td>Cryo-endobronchial ultrasound in mediastinal disease</td>
</tr>
<tr>
<td>08:50</td>
<td>Cryobiopsy in interstitial lung disease</td>
</tr>
<tr>
<td>09:05</td>
<td>Thoracoscopy for pleural diseases</td>
</tr>
<tr>
<td>09:20</td>
<td>Robotic bronchoscopy for peripheral lung lesions</td>
</tr>
<tr>
<td>09:35</td>
<td>Discussion and Q&amp;A</td>
</tr>
</tbody>
</table>

**C6 (live-streamed) Session 08:30 - 10:00**

State of the art session: Respiratory critical care

**Aims:** To provide a broad overview of acute respiratory distress syndrome (ARDS).

**Disease(s):** Respiratory critical care

**Method(s):** Respiratory intensive care

**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)

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:30</td>
<td>Pathophysiology and phenotyping of acute respiratory distress syndrome: an update</td>
</tr>
<tr>
<td>08:45</td>
<td>High-flow oxygen and non-invasive ventilation in acute respiratory failure: still don't push too hard?</td>
</tr>
<tr>
<td>09:00</td>
<td>From respiratory mechanics to the invasive setting of mechanical ventilation</td>
</tr>
<tr>
<td>09:15</td>
<td>ECMO and ECCO2R in acute respiratory distress syndrome: standard of care?</td>
</tr>
<tr>
<td>09:30</td>
<td>Discussion and Q&amp;A</td>
</tr>
</tbody>
</table>

**Strauss 3 (Studio) Session 09:00 - 09:15**

News from the studio: News from the studio 3

**Aims:** Introducing the congress theme

**Chairs:** Monika Gappa (Düsseldorf, Germany), Jonathan Grigg (London, United Kingdom)

**C1 (live-streamed) Session 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 (cGvHD) phenotype BOS.
**Disease(s)**: Airway diseases

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

**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)

**Session 09:15 - 10:00**

**Pro-Con debate: Is (S)MART really smart in children from 6 years of age with asthma?**

**Aims**: The Single maintenance and reliever therapy (SMART) therapy option has recently been extended to the population of children aged 6 years and older and is recommended by various therapy guidelines for children at GINA levels 3 and 4. Whereas there is a lot of potential for this approach as it is easier for parents and patients and there is some data showing less potential for growth retardation there is relatively few data from controlled studies available to support the SMART approach in younger children. The aim of this session is to discuss the pro's and contra's for using the SMART regimen in children, to understand the limitations and to learn for which children this may be a suitable approach.

**Disease(s)**: Paediatric respiratory diseases

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

**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)

**09:15 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)

**09:30 CON**: (S)MART is not so smart in young children. Where is the clinical evidence and for whom?

**09:45 Discussion and Q&A**
Pirfenidone reduces the risk of lung cancer development in IPF: a nationwide population based study
Hee-young Yoon (Seoul, Republic of Korea), Kyung-Il Han, Hoseb Kim, Yoonjong Bae, Jin Woo Song

PM2.5 and NO2 exposure are associated with worse prognosis in IPF: Analysis of the UK PROFILE study
Athina Trachalaki (London, United Kingdom), Gillian Goobie, Philip Molyneaux, Louise V. Wain, Athol U. Wells, Elisabetta Renzoni, Gauri Saini, Simon Johnson, Toby M. Maher, Gisli Jenkins, Iain Stewart

Survival of patients with pulmonary hypertension associated with fibrotic interstitial lung disease is not dependent on ILD subtype
Ifan Jenkin (London, United Kingdom), Konstantinos Dimopoulos, Timothyjw Dawes, Simon Bax, Colm Mccabe, Bhavin Rawal, Peter George, Heba Nashat, Bhashkor Mukherjee, Vasilis Kouranos, Athol Wells, Elizabeth Renzoni, John Wort, Laura Price

Discussion and Q&A

Lehar 3
Session 09:30 - 10:45
Oral presentation: Best abstracts in clinical problems

Disease(s): Pulmonary vascular diseases Airway diseases Interstitial lung diseases
Method(s): Imaging General respiratory patient care Epidemiology Pulmonary function testing Endoscopy and interventional pulmonology
Tag(s): Clinical
Chairs: Georgios Kaltakas (Athens, Greece), Shailesh Balasaheb Kolekar (Herlev, Denmark)

Machine learning for predicting extubation success: secondary analysis of the COBRE-US study
Fabio Andrés Varón Vega (Bogotá, Colombia), Adriana Maldonado-Franco, Eduardo Tuta-Quintero, Luis Fernando Girardo-Cadavid, Daniel Botero-Rosas

Long-term oxygen therapy 24 or 15 hours/day and outcomes: a multicenter, registry-based, randomized, clinical trial.
Josefin Sundh (Örebro, Sweden), Magnus Ekström, Anders Andersson, Savvas Papadopoulos, Taivo Kipper, Bo Pedersen, Ozren Kricka, Pierre Sobrino, Michael Runold, Andreas Palm, Anders Blomberg, Ranjh Hamed, Eva Lindberg, Hans Zingmark, Mats Lagerstedt, Björn Sundberg, Ghadeer Thabet, Nermin Hadziosmanovic, Christer Janson, Christine Mcdonald, David Currow

Outcomes of Targeted Lung Denervation in COPD in AIRFLOW-2 compared to AIRFLOW-3 open-label cohort.

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

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

Proteins associated with preserved ratio impaired spirometry (PRISm)
Eva Lindberg (Uppsala, Sweden)

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, Karel K Kuiper, Terje H Larsen, Einar Marius Martinsen, Tomas Eagan

Novel oral PORCN inhibitor does not alter the PK of nintedanib, an approved therapy for idiopathic pulmonary fibrosis

Discussion and Q&A

Strauss 1
Session 09:30 - 10:45
Oral presentation: Clinical outcomes and translational aspects in severe asthma
The patient health-related quality of life (HRQoL) burden of severe asthma in Europe (SHARP CRC) for specific subgroups

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
Mohamed Hamouda (Dubai, United Arab Emirates), Nicola Hanania, Richard Stanford, Adrian Rendon, Bilun Gemicioglu, Leandro Fritscher, Watchara Boonsawat, Shireen Quli Khan

T1/T3 pathways and chemokines in mild-to-severe neutrophilic asthma
Elisa Arrigo (Orbassano, Italy), Francesca Bertolini, Vitina Carriero, Stefano Levra, Giuseppe Guida, Stefano Pizzimenti, Gino Viletti, Daniela Miglietta, Fabio Luigi Massimo Ricciardolo

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 Chenivessse, 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
Nimród László (Targu Mures, Romania), Cristina-Alexandra Man, Gabriela Jimborcean, Corina Marginean

Rate of admission and readmission to the ED among patients with severe asthma
Irvin Mayers (Edmonton (AB), Canada), Christina Qian, Mina Khezrian, Soram Patel, Karissa Johnston, Pramoda Jayasinghe, Lavanya Huria, Mohit Bhutani, Arsh K. Randhawa

Discussion and Q&A

**Strauss 2 Session 09:30 - 10:45**

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

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

**Tag(s):** Clinical

**Chairs:** Rachel Ong-Salvador (Amsterdam, Netherlands), Ben Knox-Brown (Moulton, United Kingdom)

**Bronchodilator Response (BDR): Comparison of the ERS/ATS Technical Standard on Interpretative Strategies for Routine Lung Function with BTS/NICE Disease-Specific Guidelines**
Ian Cliff (Stoke-on-Trent, United Kingdom), Charlotte Hurst, Naveed Mustfa, Kanendran Rajalingam, Helen Stone

**Bronchodilator reversibility increases in people with cystic fibrosis after initiation of Kaftrio**
Saeeda Lone - Latif (Amsterdam, Netherlands), Paulien Linders, Els Weersink, Josie Altenburg

**Using % predicted change during bronchial challenge testing to remove bias**
James Dean (Holmes Chapel, United Kingdom), Dave Singh
Comparison of lung function, functional capacity and performance status after lung transplantation with and without EVLP: a retrospective pilot study
Anouk van 't Vee (‘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, Madhwesha 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

Discussion and Q&A

A1 Session 09:30 - 10:45
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
Tag(s): Basic science, Translational
Chairs: Niki L. Reynaert (Maastricht, Netherlands), Sara Rolandsson Enes (Lund, Sweden)

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 Menicholas, Claudia C. Dos Santos, John G. Laffey, Karen English

Cytokine preconditioning enhances the therapeutic potential of MSCs in ARDS
Lanzhi Liu (Galway, Ireland), Juan Fandino, Claire Masterson, John Laffey, Daniel O’Toole

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

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

Autologous transplantation of P63+ lung progenitor cells (REGEN001) for idiopathic pulmonary fibrosis therapy: phase I clinical trial
Wei Zuo (Shanghai, China), Ting Zhang, Shiyu Zhang, Yu Zhao

Aging affects reprogramming of pulmonary capillary endothelial cells after lung injury
Bernard Mari (Valbonne, France), Marin Truchi, Grégoire Savary, Marine Gautier-Isolà, Hugo Cadis, Arun Lingampally, Virginie Magnone, Clémentine De Schutter, Paul Hofman, Andreas Gunther, Pascal Barbry, Sylvie Leroy, Kevin Lebrigand, Nicolas Ricard, Saverio Bellussi, 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
How can gene editing of human pluripotent stem cells help understand the effect of genetics on respiratory diseases?
Sara Cuevas Ocaña (Nottingham, United Kingdom), Jin Ye Yang, Magomet Aushev, George Schlossmacher, Christine E. Bear, Nicholas R. F. Hannan, Neil D. Perkins, Janet Rossant, Amy P. Wong, Michael A. Gray

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 Désai, Anamitra Ghosh, Tomomi Kawamoto, Pachamuthu Kandasamy, Anthony Lamattina, Fangjun Liu, Ik-Hyeon Paik, Jeanette Rheinhardt, Mamoru Shimizu, Kuldeep Singh, Hailin Yang, Padma Narayanan, Xiao Shelley Hu, Paloma Giangrande, Chandra Vargeese

Discussion and Q&A

C3 (live-streamed)  Session  10:15 - 11:45
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)

10:15  Managing tuberculosis in complex situations
Cécile Magis-Escurra (Nijmegen, Netherlands)

10:30  Innovations in tuberculosis prevention and care: artificial intelligence and beyond
Speaker to be confirmed

10:45  Tuberculosis prevention and care in times of adversity
Dennis Falzon (Genève, Switzerland)

11:00  Post-tuberculosis lung disease in times of adversity and beyond
Marcela Veronica Muñoz Torrico (Mexico D.F., Mexico)

11:15  Discussion and Q&A

C5 (live-streamed)  Session  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)

10:30  Progressive pulmonary fibrosis: insights from expert group statements
Vincent Cottin (Lyon, France)

10:45  Occupation counts in idiopathic pulmonary fibrosis
Sara De Matteis (Milan, Italy)

11:00  Air pollution, poverty and much more
Isabella Annesi Maesano (Montpellier, France)
11:15  
Which prevention is useful? The latest news for the idiopathic pulmonary fibrosis community: the patient’s perspective  
John Solheim (Sætre, Norway)

11:20  
Discussion and Q&A

C1 (live-streamed)  
Session  
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 allograph 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)

10:15  
The change in phenotype of lung transplant recipients  
Merel Hellemons (Rotterdam, Netherlands)

10:30  
Innovative diagnostic approach for diagnosis and phenotyping of post-transplant complications  
bart vanaudenaerde (Leuven, Belgium)

10:45  
Immunosuppressants and beyond: new strategies and tailored treatment  
Peter Jaksch (wien, Austria)

11:00  
Is there still room for cell-based therapies?  
Edward Geissler (Regensburg, Germany)

11:15  
Discussion and Q&A

C2 (live-streamed)  
Session  
10:15 - 11:45

Hot topics: The TGF-beta superfamily: a treatment target in PAH

Aims: To explain TGF-β/BMP proliferative/apoptotic signaling pathway in PAH. To describe the current drug development stage including the different monoclonal antibodies targeting TGF-β signaling pathway. To demonstrate the use of molecules which belongs to the TGF-β signaling pathway as a prognostic biomarkers in PAH. To present the results of the recent clinical trials using monoclonal antibodies targeting TGF-β signaling in PAH and the future new 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)

10:30  
Germline mutations of genes encoding for the TGF-beta superfamily in PAH  
Christina A. Eichstaedt (Heidelberg, Germany)

10:45  
Circulating biomarkers in severe PAH  
Laurent Savale (Le Kremlin-Bicêtre, France)

11:00  
Targeting TGF-beta superfamily in PAH  
Speaker to be confirmed
11:15  Discussion and Q&A

C4 (live-streamed)  Session  10:15 - 11:45
Endoscopy session: Session 2: Imaging innovations from the bronchoscopy suite
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
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

C6 (live-streamed)  Session  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)

10:15  Case 1 incl. panel discussion and Q&A - Submitter: D. Jennings (United Kingdom)
Claudia Crimi (Catania (CT), Italy)
10:37  Case 2 incl. panel discussion and Q&A - Submitter: S. Wickramasinghe (Sri Lanka)
Christoph Fisser (Regensburg, Germany)
10:59  Case 3 incl. panel discussion and Q&A - Submitter: I. Paranicova (Slovakia)
Claudia Crimi (Catania (CT), Italy)
11:21  Case 4 incl. panel discussion and Q&A - Submitter: P. Pujal Montaña (Spain)
Christoph Fisser (Regensburg, Germany)

A2 (live-streamed)  Session  10:15 - 11:45
Mini symposium: The physiology and psychology of complex breathlessness
This mini-symposium aims to highlight the importance of a multidisciplinary approach for treating patients with 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) :
- Airway diseases
- Paediatric respiratory diseases
- Sleep and breathing disorders

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

### Target audience :
- Adult pulmonologist/Clinician
- General practitioner
- Nurse
- Paediatrician
- Physician in Pulmonary Training
- Physiologist
- Respiratory physiotherapist
- Respiratory therapist

### Chairs :
- Rachael A. Evans (Leicester (Leicestershire), United Kingdom), Heleen Demeyer (Leuven, Belgium), Andreas Von Leupoldt (Leuven, Belgium)

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:15</td>
<td>Perception of breathlessness</td>
<td>Magnus Ekström (Lund, Sweden)</td>
</tr>
<tr>
<td>10:30</td>
<td>Implementing a successful rehabilitation programme for patients with chronic lung disease</td>
<td>Sally J. Singh (Leicester (Leicestershire), United Kingdom)</td>
</tr>
<tr>
<td>10:45</td>
<td>Breathlessness: respiratory mechanics</td>
<td>Joost Gerard van den Aardweg (Amsterdam (NH), Netherlands)</td>
</tr>
<tr>
<td>11:00</td>
<td>Discussion and Q&amp;A</td>
<td></td>
</tr>
</tbody>
</table>

#### 10:30-11:15
**INDUSTRY SKILLS LAB WORKSHOP**
SEE PAGE 1

### Oral presentation: Assessment of ventilation in awake and sleeping children

<table>
<thead>
<tr>
<th>Disease(s) :</th>
<th>Sleep and breathing disorders</th>
</tr>
</thead>
<tbody>
<tr>
<td>Method(s) :</td>
<td>Pulmonary function testing</td>
</tr>
<tr>
<td></td>
<td>General respiratory patient care</td>
</tr>
<tr>
<td></td>
<td>Imaging</td>
</tr>
<tr>
<td></td>
<td>Physiology</td>
</tr>
<tr>
<td>Tag(s) :</td>
<td>Clinical</td>
</tr>
<tr>
<td>Chairs :</td>
<td>Nicole Beydon (Paris, France), Jakob Usemann (Basel, Switzerland)</td>
</tr>
</tbody>
</table>

#### NATIONAL REGISTRY SYSTEM FOR HOME MECHANICAL VENTILATION SUPPORT IN CHILDREN: FIRST DATA FROM TURKEY


#### Obstructive sleep apnea syndrome during the first year of life in Robin sequence RS: a prospective and longitudinal polysomnography PSG study

Lauriane Coutier (Bn, France), Romane Gyapay, Brigitte Fauroux, Aurore Guyon, Lucie Griffon, Sonia Ayari, Sébastien Blanc, Julie Chauvel, Isabelle James, Robin Pouyau, Marine Tsheux, Véronique Abadie, Patricia Franco

#### 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

#### Treatment-emergent central sleep apnea during high flow nasal cannula treatment in infants

Malin Lovisa Rohldin (Stockholm, Sweden), Imen Tayachi, Emma Caffrey Osvald

#### Effect of CPAP on respiratory mechanics in obese children.

Dorottya Antics (Jászberény, Hungary), Eszter Muzslay, Zsuzsanna Bojtár, János Benjámin Héra, Dóra Krikovszky, Lajos Kovács, Szabolcs Baglyas, Attila J. Szabó, Zoltán Hantos, Andrea Luczay, Dorottya Czövek

#### Closing volume by forced oscillations and severity of lung disease in young CF patients

Sotirios Fouzas (Patras, Greece), Christos Kogias, Athina Sopiadou, Evangelia Angeli, Olga Lagiou, Petrina Vantsi, Aris Bertzouanis, Elisavet-Ana Chrysochou, Elpis Hatziaigorou
Optimized algorithm for speed-of-sound-based infant sulfur hexafluoride multiple-breath washout measurements
Florian Wyler (Bern, Switzerland), Thuvarakha Manogaran, Nathalie Monney, Yasmine Salem, Ruth Steinberg, Anne-Christianne Kentgens, Carvern Jacobs, Shaakira Chaya, Carla Rebeca Da Silva Sena, Noemi Künstle, Olga Gorlanova, Sophie Yannine, Diane Gray, Urs Frey, Marc-Alexander Oestreich, Philipp Latzin

Utility of cardiopulmonary exercise testing in children and adolescents with non-cystic fibrosis bronchiectasis and primary ciliary dyskinesia.
Colleen Carden (Glasgow, United Kingdom), Rebecca Lennon, Paul Burns, Ross Langley, Philip Davies

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 Hughes, 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

Discussion and Q&A

**Oral presentation: Emerging evidence in paediatric bronchology**

<table>
<thead>
<tr>
<th>Disease(s)</th>
<th>Method(s)</th>
<th>Tag(s)</th>
<th>Chairs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Interstitial lung diseases</td>
<td>Endoscopy and interventional pulmonology</td>
<td>Clinical</td>
<td>Fabio Midulla (Roma (RM), Italy), Chair to be confirmed</td>
</tr>
<tr>
<td>Thoracic oncology</td>
<td>Epidemiology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Airway diseases</td>
<td>Pulmonary function testing</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Surgery</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>General respiratory patient care</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Imaging</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Transplantation</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Phase resolved functional lung (PREFUL) MRI detects ventilation and perfusion deficits in paediatric lung transplant recipients
Julia Carlens (Hanover, Germany), Sylvia Nyilas, Andreas Voskrebenzev, Nikolaus Schwerk, Florian Singer, Fabio Ius, Diane Renz, Jens Vogel-Clausen

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.

A systematic review of transbronchial lung cryobiopsy for pediatric interstitial lung diseases
Vikram Damaraju (Guntur, India), Sreenath 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 Luecke

Evaluation of patients with Primary Ciliary Dyskinesia in terms of humoral immunodeficiency
Halime Nayir Buyukshahn (Ankara, Turkey), Nagehan Emiralioglu, Canan Caka, Salih Esenboğa, Deniz Çağdaş Ayvaz, Raziye Atan, Ismail Guelzaks, Birce Sunman, Didem Alboga, Meltem Akgul Erdal, Ipek Demir, Burcu Capraz, Ebru Yalcin, Deniz Dogru, Nural Kiper, Ilhan Tezcan, Ugur Ozcelik

School-entry health assessment of children previously diagnosed with neuroendocrine hyperplasia of infancy. CRC chILD-EU
Honorata Marczak (Warszawa, Poland), Magdalena Grochowska, Katarzyna Solarska-Rydz, Katarzyna Krenke

The diagnostic utility of BAL in children with interstitial lung disease
Shaakira Chaya (Mokopane, South Africa), Katharina Schütz, Hannah Kaiser, Hanna Wenngisen-Heipke, Florian Länger, Julia Carlens, Martin Wetzelke, 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
Oral presentation: Extending from lung cancer screening to diagnostics and further

Disease(s): Thoracic oncology
Method(s): Endoscopy and interventional pulmonology General respiratory patient care Public health Imaging Epidemiology Cell and molecular biology Surgery
Tag(s): Clinical
Chairs: Chair to be confirmed

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 Wook Kim, Shin Yup Lee, Jung-Ki Yoon, Seongmun Jeong, Hwang-Phill Kim, Su Yeon Kim, Taeyou 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 Couraud, Vincent Jounieaux, Olivier Lelieu

Two years’ experience with the Czech population pilot programme for lung cancer early detection
Martina Kozíár Vasková (Praha 10, Czech Republic), Karel Hejduk, Ivana Cierna-Peterova, Hynek Mirka, Bohumil Seifert, Jana Skricková, Vladimír Koblízek, Alena Mensíkova, Marcela Koudelková, Renata Chloupková, Ondrej Ngo, Nikola Stourac, Ondrej Majek

Forceps and cryobiopsy of peripheral pulmonary lesions with 1.1 or 1.7 mm cryoprobes: An open-label, randomised trial
Thomas Gaisl (Zürich, Switzerland), Carolin Steinack, Jan Rüschoff, Maurice Roeder, Silvan Vesenbeckh, Silvia Ulrich, Martina Haberecker, Miriam Nowack, Malcolm Kohler, Daniel Franzen

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 Verhagen

Machine Learning Computational Model to predict Lung Cancer Using Electronic Medical Records
Dekel Shlomi (Tel-Aviv, Israel), Matanel 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 Bousema (Breda, Netherlands), Louisa Spans, 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 (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 Bastarriak, Ana Ezpanda, Miguel Mesa, Diego Murillo, María Rodríguez, Marimar Ocón, Carmen Felgueroso, Jesús Pueyo, Maria Dolores Lozano, Luis Montuenga, Juan Bertó, María Teresa Perez-Warnisher, Isberling Madeleine Di Frisco, Luis Seijo, Juan Pablo De Torres

Discussion and Q&A
Validation of exacerbation history grading by GOLD for predicting future COPD outcomes
Daphne Peerlings (Maastricht, Netherlands), Kiki Waejen-Smit, Rudolf A. Jörres, 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

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 Ersöz (Heidelberg, Germany), Maria Torres-Durán, Alice Turner, Hanan Tanash, Carlota Rodriguez García, 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 Olivares Rivera

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

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

Risk factors of FEV1/FVC decline in COPD patients
Na Young Kim (Hwaseong-si, Gyeonggi-do, Republic of Korea), Deog Kyeom Kim, Hyun Woo Lee

From small airways disease to pre-COPD through pulmonary function tests
Maria Kipourou (Thermi Thessaloniki, Greece), Pavlos Michailopoulos, Lambros Gkanavias, Christoforos Bikas, Evangelos Nitapogias, Georgios Spyropoulos, Konstantinos Kaltzas, Konstantinos Kostikas, Konstantinos Katsoulis

Impact of varying lung function thresholds on disease stability in COPD with FF/UMEC/VI: IMPACT post hoc analysis
David M. G. Halpin (Exeter, United Kingdom), Surya P. Bhatt, Meilan Han, Marc Miravitlles, Chris Compton, Tharishini Mohan, Raj Sharma, Suneal K. Sreedharan, Lee Tombs, Dave Singh

Discussion and Q&A

**Lehár 3**

**Session** 11:00 - 12:15

**Disease(s):** Airway diseases

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

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

**Chairs:** Filippos T. Filippidis (Rickmansworth, United Kingdom), Chair to be confirmed

**Oral presentation: Tobacco smoking and the respiratory system: a well-known dangerous liaison**

**Investigating the effect of e-cigarettes on alveolar epithelial cells using a novel in vitro aerosol exposure device**
Marzieh Aghababaie (Auckland, New Zealand), Sue Mcglashan, Vinod Suresh, Kelly Burrowes

**National Quality Improvement programme for Tobacco Dependency Treatment pathways in UK hospitals**
Robyn Fletcher (Nottingham, United Kingdom), Christina Moll, Miguel Souto, Alexander Hammant, Sanjay Agrawal

**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

**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 Gökhan Telatar, İlkıkur Kaya, Siahmet Atlı, Neslihan Köse, Feride Marım, Merve Yumrukuş Şenal, Aycan Yüksek, Burcu Yağış, Ökçe Gültekin, Merve Erçelik, Metin Akgün

**Immediate evidence-based support: Key to quitting smoking in chronic airway disease – A multicenter randomized study**
Dilek Karadoğan (Rize, Turkey), Tahsin Gökhan Telatar, İlkıkur Kaya, Siahmet Atlı, Neslihan Köse Kabil, Feride Marım, Merve Yumrukuş Şenal, Aycan Yüksek, Burcu Yağış, Ökçe Gültekin, Merve Erçelik, Metin Akgün

**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, Tiantuo Zhang, Hongtiao Li
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

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 Benjafied, Laura Crotty Alexander, Atul Malhotra, Meredith Barrett

The importance of age of smoking debut and packyears on development of respiratory symptoms and asthma in young adulthood
Linnea Hedman (Luleå, Sweden), Helena Backman, Caroline Stridsman, Eva Rönmark

Discussion and Q&A

12:15-13:15
INDUSTRY LUNCHTIME SYMPOSIUM
SEE PAGE 1

PS-4 Session 12:30 - 14:00
Poster session: What can clinical physiology tell us about COVID-19?

Disease(s) : Airway diseases, Respiratory critical care, Interstitial lung diseases
Method(s) : Epidemiology, Pulmonary function testing, Imaging, Cell and molecular biology, Pulmonary rehabilitation, Respiratory intensive care
Tag(s) : Clinical

Chairs : Rachael A. Evans (Leicester (Leicestershire), United Kingdom), Hamish Mcauley (Leicester, United Kingdom)

Small airway dysfunction in patients after mild COVID-19
Helen Beuter (Kiel, Germany), Tamina Nichici, Kira Stanko, Anne-Kathrin Ruß, Lennart Reinke, Carolin Nürnberg, Stefan Störk, Thomas Zoller, Fridolin Steinbeis, Ekaterina Heim, 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 Nichici, Helen Beuter, Kira Stanko, Anne-Kathrin Ruß, Lennart Reinke, Carolin Nürnberg, Stefan Störk, Thomas Zoller, Fridolin Steinbeis, Ekaterina Heim, 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

Type2 and non-type2 inflammatory characteristics after mild COVID-19
Kira Stanko (Kiel, Germany), Helen Beuter, Tamina Nichici, Anne-Kathrin Ruß, Lennart Reinke, Carolin Nürnberg, Stefan Störk, Thomas Zoller, Fridolin Steinbeis, Ekaterina Heim, 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, Watz Henrik, Thomas Bahmer

Residual lung abnormalities after 12 months of COVID19 hospitalization: A brazilian multicenter study
Marina 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 Ner Folchino, Eliana Bandini Risso Ribeiro Lopes, Andre Luiz Pereira Albuquerque, Suzana Erico Tanni, Meyer Izbiicki, Luiz Eduardo Nery, Rudolf K F Oliveira, Priscila A Sperandio, Eloa Vin 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 Rissio Ribeiro Lopes, Andre Luis Pereira Albuquerque, Suzana Erico Tanni, Julio P Carlstron, Luiz Eduardo Nery, Rudolf K F Oliveira, Priscila A Sperandio, Eloana 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, Càssia Goulart, Guilherme Peixoto Tinoco Aréas

Exercise Training Improves Symptomatology and Immune Cell Phenotype in Long COVID Patients-Preliminary Results
William Stringer (Long Beach, United States), Asghar 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 Pneumonia Survivors
Aslı Görek Dilektasi (Bursa, Turkey), Ozge Aydin Guclu, Nilufer Ozturk, Fundu Coskun, Mehmet Karadag

Respiratory muscle strength in ischemic cardiomyopathy and COVID-19 patients.
FRIDA ALBARRAN LÓPEZ (México City, Mexico), Emilio Gutiérrez-Luna, Rocio Sanchez, Arturo Orea, Dulce Gonzalez, Tomas Pena, Frida Albarran, Aranza Aguirre, Estefania Xopan, Antonio Sanchez, Ariel Garcia, Karla Sanchez, Benigno Valderrabano, Celeni 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, Aurélia Meursise, Pauline Roux-Claudé, Lucie Hordequin, Mauriane Plion, Hadrien Winiszewski, Sébastien Pili-Floury, Cindy Barnig, Virginie Westeel

PS-3 Session 12:30 - 14:00

Poster session: Telemedicine in respiratory care: design, development and evaluation of innovative digital programs, apps, platforms and devices

Disease(s): Airway diseases, Interstitial lung diseases, Respiratory critical care
Method(s): General respiratory patient care, Public health, Pulmonary rehabilitation, Pulmonary function testing, Epidemiology, Transplantation, Physiology
Tag(s): Congress theme: Humans and Machines: getting the balance right, Clinical
Chairs: David Drummond (Paris, France), Apolline Gonsard (Paris, France)

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 Wijsenbeek, Jiwon Jung

Development of a remote monitoring device in a paediatric tertiary hospital: A clinical validation study
Yi Hua Tan (Singapore, Singapore), Jean Aan Mark Koh, Gurpreet Singh, Chu-Tian Cristelle Chow, Sashikumar Ganapathy, Delphine Ow, Jing Chun Teo, Anne Goh, Oon Hoe Teoh

Maintenance pulmonary tele-rehabilitation program for chronic pulmonary diseases: a feasibility study
Chiara Giuseppina Beccaluva (Origgio (VA), Italy), Mara Paneroti, Manuela Saleri, Michele Vitaceca

Development and testing of a comprehensive self-management application for chronic pulmonary disease
Julien Lebleu (Bruxelles, Belgium), Laetitia Payfa, Benoît Ernst, Marie Bruyneel, Juliet 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, Nikola 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-Cymerknoh, 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 telermedicine-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 Heoong Lee

Implementation of a Telespirometry System in Primary Health Care Units in Brazil
Eliane Viana Maneuço (Belo Horizonte (MG), Brazil), Camila Farnese Zendeze, Ricardo Amorim Correa, Sabrina De Zendeze Ribeiro, Maria Cristina Da Paixão, Leonardo Bonisson Ribeiro, Mayara Santos Mendes, Nubia Cristina Louback Dos Santos, Lidyane 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, Tassnim Znegui, Ella Nemes, 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

PS-7  Session 12:30 - 14:00
Poster session: Understanding the multifaceted dynamics of lung infections
Disease(s): Airway diseases, Respiratory critical care, Interstitial lung diseases
Method(s): Cell and molecular biology, Respiratory intensive care, Imaging
Tag(s): Translational
Chairs: Laura Gleeson (Dublin, Ireland), Mareike Lehmann (Marburg, Germany)

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 Bürkle, Baptiste Gaborieu, 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-Possadas, 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 Hoeller, Cengiz Goeker, Markus Landthaler, Christine Goffinet, Antoine-Emmanuel Saliba, Markus Scholz, Martin Wittenraith, 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

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

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, Andreina 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), Caterina Di Sano, Claudia D'Anna, Maria Ferraro, Velia Malizia, Andreina Bruno, Marta Cristaldi, Chiara Cipollina, Valentina Lazzara, Paola Pinto, Stefania La Grutta, Elisabetta Pace

Under the hypercapnic challenge: how macrophages react to pneumonia-causing bacteria
Elena Campaña-Duel (Sabadell, Spain), Adrian Ceccato, Aina Areny-Balagueró, Sara Quero, Lluís 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, Vsevolod 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), Zi-Xuan Chen

Immune cell migration in severe pneumonia
Linjing Gong (Sichuan, China), Yuean Zhao, He Yu, Sifan Zhang, Guanglei Yang, Weiya Wang, Xuyu Cai, Ye Wang

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 Reggino-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 Lekska, Eszter Zsemlye, Michaela Kardohelyova, Martina Ganovska, Elena Tibenska, Kinga Szaboova, Marta Hajkova, Maria Bucova

PS-30 Session 12:30 - 14:00
Poster session: Rare interstitial lung diseases: clinical and research novelties
**Disease(s):** Interstitial lung diseases, Respiratory critical care, Thoracic oncology

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

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

**Chairs:** Elisabetta Balestro (Padova (PD), Italy), ARGYRIS TZOUVELEKIS (Patras, Greece)

---

**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), Laura Ciardelli, Riccardo Albertini, Angelo Guido Corsico, Ilaria Campo

---

**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 Ito

---

**Clinical features of pulmonary hypertension in lymphangioleiomyomatosis**
Jie Liu (Guangzhou, China), Panqiao Liang, Yingxin Pan, Hongyuan Huang, Zhen Zhao, Cheng Hong, Xiaofeng Wu

---

**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-Dely, Matthieu Glorion, 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 UNet Performance in Segmenting Cysts of Diffuse Cystic Lung Disease CT Scans**

---

**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), Sérent Chaihi, Amira Benattia, Gwenael 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 Paciuucci, Diana Iannello, Giulia De rose, Roberto Romiti, Giovanna Palumbo, Paolo Palange, Gregorino Paone

---

**Leukemic Pulmonary Infiltrates in Chronic Lymphocytic Leukemia: Clinical and Imaging Features**
Vasilios Tzilas (Athens, Greece), Thomas Hartman, Jay Ryu

---

**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 Petrarulo (Padova, Italy), Teresa Calari, Sabrina Martinello, Fabio Sultani, Arianna Johanna De Grauw, Stefano Oldani, Roland Barbante, Alessandra Dubini, Claudia Ravaglia, Sara Picuicchi, Venerino Poletti

The histopathological lesions of ILA's 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 Hurtense, José Antônio Baddini Martinez, Ricardo De Amorim Corrêa, Rodrigo Tocantins Calado De Saloma Rodrigues

PS-11 12:30 - 14:00
Poster session: Emerging new clinical therapy for chronic obstructive pulmonary disease

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/METRO 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 BOREAS 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 BOREAS 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 BOREAS 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 BOREAS 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
Koirobi Haldar (Leicester, United Kingdom), Vijay Mistry, Corrine Hamblet, Maria Jison, Christopher Mcrae, 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.
Ulrica Scaffidi Argentina (PARMA, Italy), Luca Richeldi, Pietro Schino, Elena Bargagli, Alberto Ricci, Alberto Rocca, Francesca Marchesani, Alfio Pennisi, Lorenzo Ciambellotti, Maria D’Amato, Francesco Macagno, Eleonora Ingrassia, Alessio Piraino

Effect of 5 years of treatment with mucoactive drugs on COPD exacerbations in the Czech Republic: a real-life study
Jaromir Zatloukal (Olomouc, Czech Republic), Clive Page, Kristian Brat, Michal Svoboda, Eva Voláková, Vladimir 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, Tianqian Liu, Tung 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), Peter Kardos, Claus Vogelmeier, Kai-Michael Bech, Jing Claussen, Thomas Paulissen, Gernot Rohde, Henrik Watz, Raj Sharma, Chris Compton, Tharishini Mohan, Tobias Welte

Vaccination status of the TRITRIAL study population.
Ulrica Scaffidi Argentina (PARMA, Italy), Luca Richeldi, Pietro Schino, Elena Bargagli, Alberto Ricci, Alberto Rocca, Francesca Marchesani, Alfio Pennisi, Lorenzo Ciambellotti, Maria D’Amato, Francesco Macagno, Eleonora Ingrassia, Luca Cavalieri, Alessio Piraino

Effects of one year treatment with extrafine fixed triple inhaled therapy in moderate COPD in a real-life setting – results of the RATIONALE study
András Sündi (Budapest, Hungary), Gábor Tomisa, Alpar Horváth, Balázs Sánta, Tamás Kovács, Lilla Tamási

Characteristics of patients with COPD treated with Budesonide/Glycopyrronium/Formoterol in the real world; The RECORD Study
Henrik Watz (Großhansdorf, Germany), Marija Halbach, Matthias Saathoff, Tamsin Morris, Michael Watt, Annika Fernandez Milano, Dinesh Shrikrishna, Dave Singh

The iron(y) in COPD patients’ response to ICS: pharmacogenetic insights into the HISTORIC study
Charikleia Ntenti (Thessaloniki, Greece), Eleni Papakonstantinou, Leticia Grize, Antonis Goulas, Daiana Stolz

Effectiveness of the cytoprotector ectoin in the treatment of patients with acute bronchitis
Sergii Zaikov (Kyiv, Ukraine), Artemii Bogomolov, Mykola Gumeniuk

Exploring the Impact of Early Diagnosis and Treatment Initiation of Newly Diagnosed COPD Patients
Lorinc Polívka (Úröm, Hungary), Balázs Sánta, Erika Baranya, Attila Vaskó, Tamás Balázs, Zsófia Lázár

PS-16 Session 12:30 - 14:00
Poster session: Acute lung injury and basic research of occupational and environmental hazards
Disease(s) : Airway diseases, Interstitial lung diseases
Method(s) : Cell and molecular biology, General respiratory patient care, Public health, Imaging, Physiology, Epidemiology, Respiratory intensive care
Tag(s) : Translational
Chairs : Rafael E. de la Hoz (New York, United States), Orianne Dumas (Villejuif, France)

Comparative analysis of post-earthquake respiratory symptoms in traumatized and non-traumatized patients: a study from Kahramanmaraş, Türkiye
Yağmur Gizem Timurhan (Ankara, Turkey), Derya Doğan, Merve Özdoğan Algin, Ezgi Erdem Türe, Serap Akçalı Duru

Respiratory System Effects of Search and Rescue Workers in the February 6 Kahramanmaraş Earthquakes
Pınar Yıldız Gülhan (Kırıkkale, Turkey), Peri Arbak, Ege Gülce Balbay, Öner Abidin Balbay, Ali Nihat Annakkaya, Hasan Bayram

Quantitative CT marker of distal airway inflammation is correlated with marker of proximal airway dysfunction in WTC workers with low FVC
Rafael E. de la Hoz (New York, United States), Jonathan Weber, Raúl San José Estépar, Anthony Reeves, John T. Doucette, Juan C. Celedón
Sand Particles Increase Pneumococcal Adhesion to Primary Airway Cells in vitro
Lisa Miyashita (London, United Kingdom), Beverly Coldwell, David Wertheim, Ian Gill, Simon Crust, Nemesio M. Pérez, Nick Petford, Jonathan Grigg

Chronic exposure of human bronchial epithelial cells to smoke extracts from indoor cooking leads to altered, enhanced gene expression compared to acute exposures
Robert Hall (Nottingham (Nottinghamshire), United Kingdom), Binaya K.C, Rebecca Thompson, Poojitha Rajasekar, Parth Sarathi Mahapatra, Siva Praveen Puppala, Dhruma Thakker, Rachel Clifford, Charlotte Bolton, Ian Sayers, Ian Hall

LSC - 2024 - Exploring micro(nano)plastic presence and effects in human airways: in vitro and clinical findings
Agne Vailionyte (Vilnius, Lithuania), Ernesta Bagurskiene, Ieva Uoginte, Steigvile Bycenkiene, Ruta Aldonyte

BHLHE40 driven CCL3+neutrophils promote emphysema after particulate matter exposure
Tao Yu (Beijing, China), Yushi Zhang, Chenli Chang, Baicun Li, Ting Yang

Lung effects of acute oral administration of bisphenol A-loaded low-density polyethylene microplastics
Gabriel Escarrer-Garau (Palma de Mallorca, Spain), Alberto Fuster-Aparisi, Marta Llobera-Ferril, Marc Cañete-Cánaves, Joan Truyols-Vives, Rafael Alayón-Afonso, Mar Nafria-Fernández, Miguel David Ferrer-Reynés, Manuel Miró-Lladó, Josep Mercader-Barceló

Exposure to air pollutants and effects on the small airway lining fluid in allergic asthma
Susanna Haga (Göteborg, Sweden), Linus Schiöler, Hanne Krage Carlsen, Ingrid Liljelind, Per Larsson, Anna-Carin Olin

Cigarette smoke extract exposure affects larval innate immune response, metabolic rate and locomotion of Drosophila melanogaster.
PERIKLIS MARNAS (Larisa, Greece), Lydia Giannakou, Athanasios-Stefanos Giannopoulos, Panagiotis Tzamalas, Eleanna Pitarak, Rajesh Jagirdar, Eleftherios Papazoglou, Konstantinos Gourgoulianis, Chrissi Hatzoglou, Erasmia Rouka, Sotirios Zarogiannis

Synergistic effects of PM2.5 and viral challenge on the modulation of antiviral defence and pro-inflammatory cytokines in HBECs in vitro
Sangeetha Ramu (Lund, Sweden), Lena Uller, Mandy Menzel, Irma Mahmutovic Persson, Fanny Bergman, Lena Ohlsson, Christina Isaxon

The effect of PM2.5 exposure on lung inflammation and mitochondrial dysfunction using a macrophage-alveolar organoid co-culture system
Jeeyoung Kim (chuncheon, Republic of Korea), Seuk-Ho Hong, Woo Jin Kim

Budesonide reduced stone dust and cigarette smoke-induced interleukin 6 and interleukin 8 production.
Hoang Andra Tsang (Homebush West, Australia), Brian Oliver

The glycyl-l-histidyl-l-lysine-Cu2+ tripeptide complex attenuates lung inflammation and fibrosis in silicosis via targeting peroxiredoxin 6
Gang Hou (Beijing, China), Yiding Bian, Mingming Deng

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

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

Factors Associated with Acute Exacerbations in Non-Smoking Patients with COPD in China: Findings from the Enjoying Breathing Program
Zhoudé Zhéng (Beijing, China), Junchao Jiang, Xingyao Tang, Wei Li, Hongtao Niu, Jieping Lei, Fen Dong, Ke Huang, Ting Yang, Chen Wang

Impacts of climate change and air pollution for Australians with lung disease
Paige Preston (Brisbane, Australia), Lily Grigsby-Duffy

Air pollutants and meteorological parameters: the association with the evolution of pneumonia in hospitalized patients
Souha Abdenneji (Tunis, Tunisia), Sabrine Majdoub Fehri, Hamida Kwas
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)

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

Comparison between standard-release and extended-release tacrolimus in lung transplantation
Georgia Mitropoulou (Lausanne, Switzerland), Caroline Constantin, Mohamed Faouzi, Marie-France Derkenne, Thorsten Krueger, Angela Koutsokera

Evolving trends in underlying etiologies for lung transplantation in Europe and outcomes
Emilie Hofstetter (München, Germany), Robin Vos, Michael Perch, José Manuel Cifrian Martinez, Giandomenico Manna

Early Predictors of Acute Kidney Injury after Lung Transplantation: a prospective observational study
Gloria Turconi (Gerenzano (VA), Italy), Marco Bosone, Margherita Andrea Brivio, Lorenzo Rosso, Letizia Corinna Morlacchi, Giacomo Grasselli, Vittorio Scaravilli

Central versus peripheral adaptations after lung transplantation in end-stage COPD
Camilla Koch Ryrsø (Frederiksberg, Denmark), Thomas Kromann Lund, Pia Thanning, Lasse Gliemann, Michael Perch, Jacob Peter Hartmann, Ida Kær Thorsen, Gregers Winding Munch, Bente Klærlund Pedersen, Ylva Hellsten, Ronan M. G. Berg, Ulrik Winning Iepsen

Pregnancy Outcomes and Management in Lung and Heart Transplant Recipients: A Systematic Review
Vasiliki Gerovasili (London, United Kingdom), Aya Tanaka, Filippos T. Filippidis, Marie Line El Asmar, Anna Reed

Cytomegalovirus diagnosis in BALF of immunocompromised patients and its association to outcome
Theodora Zouvani (Freiburg, Germany), Meropi Karakioulaki, Kathleen Jahn, Leticia Grize, Eleni Papakonstantinou, Hartmut Hengel, Karoline Leuzinger, Hans H. Hirsch, Daiana Stolz

Pulmonary vascular complications following lung transplantation: characteristics, incidence and survival
Adam Dehili (Lyon, France), Irene Hanot, Morgane Penhouet, Mehdi Lamkhoud, Eva Chatron, Isabelle Danner-Boucher, Emmanuel Escapasse, Philippe Lacoste, Thierry Le Poivre, Claire Merveilleux Du Vignaux, Jean François Mornex, Arthur Petat, Adrien Tissot, Vincent Cottin, François Tronc, Segolene Turquier

Herpes simplex virus in the bronchoalveolar lavage of immunocompromised patients with LRTI – results of a prospective study
Theodora Zouvani (Freiburg, Germany), Meropi Karakioulaki, Kathleen Jahn, Leticia Grize, Eleni Papakonstantinou, Hartmut Hengel, Karoline Leuzinger, Hans H. Hirsch, Daiana Stolz

Bilateral lung transplantation in severe chest asymmetry
Lorenzo Rosso (Milan, Italy), Paolo Mendogni, Giacomo Grisorio, Alessandro Palleschi, Letizia Corinna Morlacchi, Mario Nosotti

Results at 12 years of Lung Transplantation in the Chilean Public Healthcare System.
Joel Melo Tanner (Santiago, Chile), Felipe Cayupi, Juan Cuevas, Virginia Linacre, Claudia Sepúlveda
Clinical outcomes for COVID-19 in lung transplant recipients (LTRs): an insight from the early Omicron wave
Jaime Andrés Alvarado Castillo (Bogotá (Cundinamarca), Colombia), Björn Frye, Kateryna Gashynova, Ina Hettich, Chará Nténti, Daiana Stolz

Encouraging clinical outcomes of an international lung transplant program in the United Arab Emirates
Miriam Michalickova (Abu Dhabi, United Arab Emirates), Fadi Hamed, Yusuf Bayrak, Said Isse, Zaid Zoumot, Vivek Kakar, Andres Obeso, Richard Acibar, Sandra El Hajj, Usman Ahmad

Characteristics and outcomes of intensive care readmissions within first year of lung transplantation: tertiary care center experience and current literature status
Abdul Hadi Alzal (Riyadh, Saudi Arabia), Ahmad Aljumaa, Reem Elmokattaf, Jihad Aljumaa, Judy Hejazi, Farooq Pasha

Survival After Lung Transplant for Cystic Fibrosis in Portugal: A Single Center Experience
Maria Marta De Sampaio Nunes Duarte Silva (Estoril, Portugal), Matilde Ferreira De Almeida, Filipa Canedo, Dionisio Maia, Paulo Calvinho, Luisa Semedo

Complications and survival in COPD patients undergoing lung transplantation
Luis Asencio Monteagudo (Sevilla, Spain), Virginia Almadana Paecheco, Cristina Benito Bernaldez

PS-32 Session 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)

The Value of Deep Learning for COPD Diagnosis and Grading
Li Yang (, China), Boyu Zhang, Ao Liu, Xing Lu

CT vessel features improves COPD classification
Kalysta Makimoto (Ajax, Canada), Daniel Genkin, James Hogg, Jean Bourbeau, Wan Tan, Miranda Kirby

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

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 Bj ermer, Ellen Tufvesson

Automated detection of mucus plugs in CT imaging using a deep learning model
Stijn Bonte ( Kontich, Belgium), Eline Lauwers, Patrick Muchmore, Rita João, Ana Cortes, Benjamin Lavon, Wilfried De Backer

Assessment of artificial intelligence-aided chest computed tomography in diagnosis of chronic obstructive airway disease: an observational study
Ahmed Abdallah Bayouny (Amsterdam, Netherlands), Maha M. Saad, Magdy M. El-Nisr, Noha M. Zaki, Tarek H. Khalil, Ahmed F. Elserafi

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

CT-detected pulmonary vascular changes are associated with measures of small airways disease in smokers

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

PREFUL and 19F Lung MRI detect 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 Vokrhebenz, Peter Howarth, Frank Wacker, Tobias Welte, Jens Vogel-Clausen
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 Kainth, Avianna Laws, Kenneth Jacob, Anthony McIntyre, Violet Matthews, Amany Elbehairy, Gabriele Abu Eid, Alexander Horsley, Helen Davies, Roger Thompson, Najib Rahman, Jim Wild, Fergus Gleeson

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 Abdelhalin, Shamma Al-Nokhata

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 Büyükpınarbaşlı, Sultan Rana Ramazanoğlu, Barış Demirkol, Ayşe Bahadir, Aygül Güzel, Mete Arslan Konak

Monitorization Of Pulmonary Nodules In Turkey (MONITUR)

Lung vascular volumes in cystic fibrosis patients before and after Elexacaftor-Tezacaftor-Ivacaftor (ETI) therapy
Ieva Aliukonyte (Rotterdam, Netherlands), Sam L. Durfey, Siddhartha G. Kapnadak, Mary Teresi, Hidayet Sama, John Joseph, Kartik Narain, 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, Federica Nicaforo, Federico Lorenzo Dente, Francesco Pistelli, Guido Marchi, Maggie Busini, Roberto Castellana, Annalisa De Liperi, Emanuele Neri, Laura Carrozzi, Roberta Pancani

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 Boyunağ

Lung vascular volumes in cystic fibrosis patients before and after Elexacaftor-Tezacaftor-Ivacaftor (ETI) therapy
Ieva Aliukonyte (Rotterdam, Netherlands), Sam L. Durfey, Siddhartha G. Kapnadak, Mary Teresi, Hidayet Sama, John Joseph, Kartik Narain, 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, Federica Nicaforo, Federico Lorenzo Dente, Francesco Pistelli, Guido Marchi, Maggie Busini, Roberto Castellana, Annalisa De Liperi, Emanuele Neri, Laura Carrozzi, Roberta Pancani

PS-6 Session 12:30 - 14:00
Poster session: Novel environmental impacts and biomarkers of lung injury
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
Tag(s) : Translational
Chairs : Audrey Joannes (RENNES, France), H. Irene Heijink (Groningen, Netherlands)

Regenerative Signatures in Bronchoalveolar Lavage of Acute Respiratory Distress Syndrome
HONGLONG HU (Maywood, United States), Runzhen Zhao, Nan Xi, Marco Hadiasurya

Differential expression of WISP1 in Asthma and COPD reveals unique molecular signatures
Maria Elpida Christopoulou (Freiburg im Breisgau, Germany), Eleni Papakonstantinou, Daiana Stolz

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
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

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. González Ocejo-Vinyals, Victor Mora-Cuesta, David Iturbe-Fernández, Joao C. Batista-Liz, Maria Sebastián Mora-Gil, Mónica Renuncio García, Elena González-López, Ricardo Blanco, Raquel López-Mejias, José M. Cifrián

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

Impaired alveolar regeneration in patients with Anti-MDA5+ DM associated rapidly progressive ILD
Wenxiu Xu (Beijing, China), Shiyao Wang, Guowu Zhou, Huaping Dai, Qingyuan Zhan

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-Velilla, Cristina López-Fernández, José M. Añó, Francisco García-Rio, Carolina Cubillos-Zapata

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. Añó, Francisco García-Rio, Carolina Cubillos Zapata

Recapitulation of human pathophysiology and identification of forensic biomarkers in a translational model of chlorine inhalation injury

Alterations in the core-matrix 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

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

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 Vádász

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, Oskar Mesia-Carbonell, Marco Rallo, Antoni Rosell Gratacós, 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 Petito, 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 Orego

Human Epididymis Protein 4 (HE4): more than a marker for lung injury?
Koray Potel (Balingen, Germany), Paul Peppard, Alhussein Khawaji, Fanchia Mcgovern, 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
**Poster session: Lung function and physical activity in ex-preterm infants and children with asthma**

**Disease(s):** Sleep and breathing disorders, Airway diseases  
**Method(s):** Public health, Epidemiology, General respiratory patient care, Pulmonary function testing, Physiology  
**Tag(s):** Clinical  
**Chairs:** David Lo (Leicester, United Kingdom), Jessica Taytard (Paris Cedex 12, France)

---

**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 Ziejda

**Epidemiology of asthma in children in Kazakhstan: Data from Unified National Electronic Health System 2014-2021**  
Dmitriy Syssoyev (Astana, Kazakhstan), Kamilla Mussina, Abduzhappar Gaipov, Dimitri Poddighle, 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 (Nicosia, Cyprus), Jane Berill, Peter James, Antonis Michanikou, Emmanueloul Galanakis, Eleni Michaelidou, Paraskevi Kimni, Nikos Kalivitis, Giorgos Kouvarakis, Emily Vasiadou, Chrysanthos Savvides, Filippos Tymnios, Panayiotis Yiannouros, Petros Koutrakis

**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 Šmew, Gustaf Rejnö, 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 Rejnö, 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 Dueñas 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**  
Plamen 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 Chryssochou, 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**  
Michele Arigliani (London, United Kingdom), Alessandro Ruggiero, Martina Pacillo, Alex Cucco, Cristina Melloni, Andrea Salvatori, Francesco De Maria, Dafne Marcelli, Olga Ciaivarella, Francesco Mencicelli, Eugenio Refrigert, 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, Sailesh 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 postconceptual age
Raphaela Kleiner (Biel/Bienne, Switzerland), Yasmin Salem Mahmoud, Marion Cudry, 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 Deleclaux

**PS-19**

**Session** 12:30 - 14:00
Poster session: Insights into paediatric respiratory challenges: from clinical studies to biomarker profiling

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

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

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

**Chairs:** Stefan Unger (Edinburgh (Edinburgh), United Kingdom), Eva Steinke (Berlin, Germany)

**The Association Between Radiological Scores and Clinical Severity of Childhood Pulmonary Tuberculosis**
Beste Ozsezen (Ankara, Turkey), Feyza Kabar, Tugba Ramasli Gursoy, Pelin Asfuroglu

**Tuberculosis in children using biological agents: A nationwide study**
Tuğba Şimanlar Eyuboglu (Ankara, Turkey), Ayse Tana Aslan, Volkan Medeni, Sinem Can, Naim Ata, M. Mahir Ulgu, Suayip Birinci

**Ureaplasma-induced impairment of alveolar epithelial Na+ transport and its underlying mechanism.**
Mandy Laube (Leipzig, Germany), Elisabeth Paluszkievicz, Carl-Bernd Rieger, Ulrich Thome, Kirsten Glaser

**The role of miR-146a on experimental lung inflammation: two sides of the same coin**
Ralf Schubert (Frankfurt, Germany), Lucia Gonau, Ruth Pia Duecker, Silvija Pera Jerkic, Jordis Trischler, Andreas Geburtig-Chiocchetti, Katharina Blumchen, Stefan Zielen

**Proteomic profiling of bronchoalveolar lavage fluid in children with chronic pulmonary aspiration**
Nadine Freitag (Krefeld, Germany), Marc Driessen, Dirk Schramm

**Assessing indicators of severe human metapneumovirus respiratory tract infections in children**
Airin Veronese (Ljubljana, Slovenia), Tina Uršič, Simona Bizjak Vojinovič, Jasna Rodman Berlot

**Acute respiratory illness among Tunisian infants and use of antibiotics: Insights from 2006 and 2018 Multiple Indicator Cluster Surveys**
Arwa Neffati (Tunis, Tunisia), Hind Bouguerra, Aouatef Tourhi, Seifeddin Rhouma, Chokri Zoghlemi, Dali Oussama, Ali Mrabet

**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 Regina, Luigi Matera, Francesca Pulcinelli, Antonella Frassanito, Fabrizio Virgili, Raffella Nenna, Fabio Midulla

**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 Papadopoulos

**Clinical characteristics and outcomes of children with pleural empyema: a prospective cohort study**
Manisha Ramphul (Leicester (Leicestershire), United Kingdom), Deepa Patel, Erol A Gaillard, David K H Lo

**Application of Lung Ultrasonography in Pediatric Pulmonology**
Mina Hizal (Ankara, Turkey), Oguz Bölük, Burcu Ceylan Cura Yayla
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 Roguru, Thomas Ngwiri, Rebecca Nantanda, Helen Nabwera, Ian Sinha

Healthcare providers awareness of protracted bacterial bronchitis in children in Ukraine
Oleksandr Mazulov (Vinnytsia, Ukraine), Olena Rechkina, Svitlana Ilchenko, Olha Lyga, Serhii Rudenko

Evaluation of postinfectious bronchiolitis obliterans patients in the Childhood Interstitial Lung Diseases Registry of Türkiye

Clinical characteristics of initial respiratory insult in children subsequently diagnosed with Post infectious Obliterative Bronchiolitis.
Sonal Kansra (Sheffield (South Yorkshire), United Kingdom), Emily Hayes, Kelechi Ugonna

Outbreak of Post-infectious Bronchiolitis Obliterans (PIBO) post adenovirus infection. A case series and review of the literature
Sergio Ghirardo (Trieste, Italy), Arianna Traunero, Malena Aldeco, Paola Pascolo, Laura Mazzari, Massimo Maschio, Alessandro Amaddeo, Uros Krivec

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 (Koge, Denmark), Eskild Landt, Sarah Marott, Gökmen Turan, Kudret Oezdemir, Christina Ellervik, Thomas Hvidt, Morten Dahl

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 Paytuví, Walter Sanseverino, Rune Nielsen, Tomas Mikal Lind Eagan

α1-Antitrypsin deficiency associated with increased risk of atrial fibrillation in two large populations
Sine Voss Winther (København S, Denmark), Eskild Landt, Børge Grønne Nordestgaard, Niels Seersholm, Morten Dahl

Usefulness of buccal sample genotyping performed at home for blood relatives of patients with alpha-1 antitrypsin deficiency

Placental DNA methylation and child lung function at 3-years
Valerie Siroux (La Tronche, France), Marceau Foucher, Lucile Broséus, Sarah Lyon-Caen, Anne Boudier, Joanne Quentin, Yoann Giara, Sam Bayat, Claire Philippet, Rémy Slama, Johanna Lepeule
Rare SERPINA1 variants leading to severe Alpha-1 Antitrypsin Deficiency
Ronan Heeney (Dublin, Ireland)

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 McCarthy

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

Trans-ethnic analysis in over 780,000 individuals yields new insights into the genetic etiology of allergic diseases
Zhenglin Chang (guangzhou, Switzerland), Baoqing Sun

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

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

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

OCS use in uncontrolled severe asthma in Canada
Andréanne Côté (Quebec, Canada), Jeffrey Beach, Jenna Reynolds, Koyo Usuba, Joshua Tusin, Ali Tehrani, Muthu K G Jayakumar, Tim Tian Yu Han, Susan Waserman

Factors of disability due to asthma in Ukraine
Nataliia Sanina (Dnipro, Ukraine), Tamara Turlyun, Lyudmila Konopkina

Assessment of adherence to inhaled therapy for asthma and COPD in Bulgaria
Ventisslava Pencheva Genova (Sofia, Bulgaria), Kiril Genov, Todor Todorov, Stanimir Kacheshmarov

Respiratory disease research in Nepal: An ethical Concern
NAMITA Ghimire (Kathmandu, Nepal), Mohanraj Sharma

Direct and indirect healthcare resource utilisation in severe asthma patients in China
Min Zhang (Shanghai, China), Hang Su, Mark Small, Adam Haq, George Bell

PS-9 Session 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

Impact of anti-eosinophilic biologic strategies on bronchial hyperreactivity in severe asthma
Mario Di Stasio (Roma, Italy), Francesca Cefaloni, Veronica Adiletta, Cristina Bocchabellii, Luca Richeldi, Matteo Bonini

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 Heaney, Andrew Menzies-Gow, Anat Shavit, Lynda Olinger, David J Jackson

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 Kähnner, Andrew Menzies-Gow, Lynda Olinger, Fabiano Di Marco, Gilles Devouassoux
Asthma Exacerbation Profile on open label treatment with Benralizumab for severe eosinophilic asthma [BenRex]

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 Mihailetan

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), Erika Penz, Benjamin Emmanuel, Trung N Tran, Andrew Menzies-Gow, Anat Shavit, David Cohen, Calvin N Ho, Tanja Plate, Sheena Kayaniyil, An Herreman, Claudio Schuoler, Marek Lommatzsch, Thomas Rothe

Effect of dupilumab on small airway dysfunction in real-life severe asthma: Japanese multi-center prospective cohort
Tosihiro Shirai (Shizuoka, Japan), Keita Hira, Taisuke Akamatsu, Kenji Mizumura, Yasuhiro Gon, Hitoshi Sasan, Norihiro Harada, Akihiko Tanaka, Hironori Sagara, Katsunori Masaki, Koichi Fukunaga, Konomi Kobayashi, Hiroyuki Nagase, Nobuaki Miyahara, Arihiko Kaneko, Noboru Kitamura, Narihiko Sughara, Junko Terada, Masayuki Hojo, Kazuyuki Chibana, Ėtsuko Tagaya

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 Solís García, Ana Sofía Martín Hernández, Mateo Hevia Menéndez, Ana Arcos García, Adrián Peláez-Laderas, Carlos Melero Moreno

Blood eosinophil subtype distribution following treatment with mepolizumab in patients with severe eosinophilic asthma
Airidas Rimkunas (Kaunas, Lithuania), Andrius Januskevicius, Egle Vasyle, Jolita Palacionyte, Inesa Jermalaviciene, Skaidrius Miliauskas, Kestutis Malakauskas

Clinical variables associated with achieving improvement in asthma control in mepolizumab 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 Amlutairi (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 Baastrup 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 Tsiouprou, Savvas Damdoumis, Petros Bakakos, Paschalis Steiropoulos, Athanasios Voulgaris, Konstantinos Katsoulis, Maria Kipourou, Konstantinos Kostikas, Katerina M Antoniou, Andriana I Papaoaou, Nikoleta Rovina, Paraskevi Katsaounou, Stavros Tryfon, Evangelia Foka, Despoina Papakosta, Stelios 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 Hajian

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
### PS-25 Session: Developing and assessing treatments for respiratory infection

**12:30 - 14:00**

**Poster session: Developing and assessing treatments for respiratory infection**

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

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

**Tag(s):** Translational

**Chairs:** Sara Bonvini (London, United Kingdom), Chair to be confirmed

<table>
<thead>
<tr>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>A RANDOMIZED CONTROLLED TRIAL OF POSACONAZOLE VS LIPOSOMAL AMPHOTERICIN B FOR TREATING PULMONARY MUCORMYCOSIS</td>
<td>Avadh Vithlani (Chandigarh, India), Ritesh Agarwal, Shivprakash M R, Sahajal Dhooira, Inderpal Singh Sehgal, Prasad K T, Arunaloke Chakrabarti, Vallyappan Muthu</td>
</tr>
<tr>
<td>Prognostic implications of cluster analysis in patients with chronic bronchial infection under nebulized antibiotic therapy: A multicentre retrospective cohort study (INBREATHING STUDY)</td>
<td>Beatriz Raboso Moreno (Madrid, Spain), Ivan D. Benitez, Carlos Manzano, Sally Santistevé, Marcela Suarez, Aida Monge, Juan Pablo de Torres, Alicia Sayés, Eduardo José García, Ana Belén Alcoide, Javier Burgos, Ané Martinez de Las Fuentes, Joel Suressh Lakhani, Cristina Pou, Marta Erro, Rosa Abril Castañón, Guillermo Suárez, David De La Rosa, Ferrán Barbé, Jessica González</td>
</tr>
<tr>
<td>Inhaled colistimethate sodium in adult bronchiectasis patients with new asymptomatic Pseudomonas aeruginosa infection– an open-label, proof of concept- randomized controlled trial (ERADICATE)</td>
<td>Pontus Mertsch (Wolfratshausen, Germany), Constanze Maresch, Johannes Johow, Jobst Roehmel, Juergen Behr, Carmen Schade-Brittinger, Jessica Rademacher, Felix Ringshausen</td>
</tr>
<tr>
<td>Impact of saline solution’s nebulisation on the biophysical properties of sputum in bronchiectasis</td>
<td>Victoria Alcarraz-Serrano (Vilafranca del Penedes, Spain), Beatriz Herrero-Cortina, Nona Rovira-Ribalta, Antoni Torres, Hector Sanz-Fraile</td>
</tr>
<tr>
<td>Quality of life in adult bronchiectasis treated with long-term High flow therapy</td>
<td>Francesca Simioli (Napoli (NA), Italy), Anna Annunziata, Gerardo Langella, Antonieta Coppola, Rosa Cauteruccio, Giuseppe Fiorentino</td>
</tr>
<tr>
<td>Erdosteine inhibits viral infection and modulates innate immunity and stress oxidative state in RSV-infected A549 cell</td>
<td>Sergio Strizzi (Milan, Italy), Fiammetta Danzo, Claudia Vanetti, Mara Biasin, Dejan Radovanovic, Pierachile Santus, Daria Trabattoni</td>
</tr>
<tr>
<td>Risk factors for adverse events of trimethoprim-sulfamethoxazole treatment in patients with non-HIV-PCP: a multicentre, retrospective observational cohort study</td>
<td>Reina Idemitsu (Kamogawa, Japan), Tatsuya Nagai, Haruka Fujioka, Yuya Homma, Ayumu Otsuki, Hiroyuki Ito, Kei Nakashima</td>
</tr>
<tr>
<td>Effectiveness of Prolonged Awake Prone Positioning in Preventing Intubation among Less Severely Patients with COVID-19-Related Acute Hypoxemic Respiratory Failure</td>
<td>Lietao Wang (Chengdu, China), Xin Fu, Min He, LvYuan Shi, Dingyuan Wan, Wu Qin, Zhongwei Zhang</td>
</tr>
<tr>
<td>Allicin can effectively treat Aspergillus fumigatus by inhibiting the germination of conidia via oxidative stress.</td>
<td>Zhengtu Li (Guangzhou, China), Feng Ye</td>
</tr>
</tbody>
</table>
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 Dirr, Ibrahim M. El Deeb, Patrice Guillou, Mark Von Itzstein

Antiviral RNAi inhalation inhibits human parainfluenza infection ex vivo and in vivo

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

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

The comparison of outcomes in community-acquired pneumonia treated azithromycin or doxycycline in combination with beta-lactams: A cohort study
Yewande Odememi (Washington, United States), Aysun Tektin, Caitlin Schanz, Diana Schreier, Kristin Cole, Ognjen Gajic, Erin Barretto

Inappropriate antibiotic changes increase hospital stay in Community-acquired Pneumonia: 5-year experience.
Eun Sun Kim (Seoul, Republic of Korea), Jiwon Ryu, Seonghwa Yoon

Comparison of the effectiveness of Simnotrevir/Ritonavir and Nirmatrevir/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

Non-invasive ventilation in the management of bronchiectasis
Rachel Dexter-Spooner (Sheffield, United Kingdom), Felicity Dickens, Ari Manuel, Sriram Iyer

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

Experience of Eliava Phage Therapy Center in the treatment of respiratory infections
Mariam Dadiani (Tbilisi, Georgia), Lia Nadareishvili, Nata Nakaidze, Deia Nizharadze

Predictive factors of intolerance to nebulized antibiotics. A multicentre retrospective cohort study (Inbreathing study)
Carlos Manzano Senra (Leida, Spain), Beatriz Raboso, Ivan Benitez, Sally Santistevé, Marcela Suárez, Aida Monge, Juan Pablo De Torres, Alicia Sayés, Eduardo José García, Ana Belén Alcaine, Javier Burgos, Ane Martinez De Las Fuentes, Joel Suñes-Lakhani, Cristina Pou, Marta Erro, Rosa Abril Castañón, Guillermo Suarez, David De La Rosa, Ferrán Barbé, Jessica González

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 Aguiar (Botucatu (SP), Brazil), Tarcísio Reis, Fabio Yamauchi, Kelly Oliveira, Isadora Furlan, Diane Batista, Agláia Ximenes, Robson Prudente, Estefania Franco, Luiz Machado, Gustavo Mota, Bruno Lima, Vítor 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 Aguiar (Botucatu (SP), Brazil), Tarcísio Reis, Fabio Yamauchi, Kelly Oliveira, Isadora Furlan, Diane Batista, Agláia Ximenes, Robson Prudente, Estefania 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 Papadopoulou (Thessaloniki, Greece), Christoforos Proimnos, 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 Mana (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
Ashi Görek Dilektaşlı (Bursa, Turkey), Ozge Aydin Guclu, Arzu Ozpehlivan, Funda Coskun, Ezgi Demirdöşen, 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, Hafaoa Dagbous, Fatma Tiritar

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 in a south-american country
Andrea Bustamante Bennett (Santiago De Chile, Chile), Claudia Bambas, Carolina Althausen, Claudia Pizarro, Luzcarla Quintana

Development of smoking trends among young people in 2022-2024 in Ukraine
Volodymyr Tsmok (Vinnytsia, Ukraine), Marina Shevnia, Oksana Poberezhets, Mykola Stanislavchuk, Arnaub Das, Rahul Debnath

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, Jinyin 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
Eunjeong 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 Mrassi, Mariem Friha, Imen Sahnoun, Leila Douik El Gharbi

**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

**Tag(s):** Clinical

**Chairs:** Frits M.E. Franssen (Maastricht, Netherlands), Marine Van Hollebeke (Leuven, Belgium)

**Effects of elastic tape during pulmonary rehabilitation in moderate to very severe COPD: An RCT**
Juliana M. B. Santos (São Bernardo do Campo, Brazil), Thiago F. Pinto, Estefane C. M. Reis, Cibele C. B. Marques Da Silva, Fabiano F. De Lima, Albertina M. Carvalho-Pinto, Celso F. Carvalho

**Novel versus traditional inspiratory muscle training regimens in COPD**
Martin Hartman (Brno, Czech Republic), Filip Dosbaba, Magno F Formiga, Ladislav Batalik, Kristian Brat, Marek Plutinsky, Lawrence P Cahalin

**Assessing patient goal attainment before and after pulmonary rehabilitation: a call for measurement development and assessment**
Sara Souto-Miranda (Aveiro, Portugal), Guilherme Rodrigues, Martijn Spruit, Alda Marques

**Exercise intensity and energy balance in COPD: A randomized controlled trial.**
Tomoyuki Ikeuchi (Yukuhashi, Japan), Kazuya Shingai, Katsuyuki Ichiki, Takeo Jimi, Tetsuya Kawano, Kaori Kato, Toru Tsuda

**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

**Interval training in COPD patients with chronic respiratory failure: a feasibility and comparative study**
Mara Paneroni (Mazzano (BS), Italy), Ioannis Vogiatzis, Beatrice Salvi, Laura Bertacchini, Michele Vitacca

**Comparison of the effects of different high intensity interval training protocols on exercise capacity and dyspnea in COPD: a systematic review**
İrem Süzen (Antalya, Turkey), Aynur Demirel

**Effects of the Combination of Pulmonary Rehabilitation and Cognitive Behavior Therapy on Depression in Elder Patients with Chronic Obstructive Pulmonary Disease**
HuiJie Hou (Tian Jin, China), Yiman Li, Yang Yu, Zhijing Shi, Zhe Chen

**The effects of pulmonary rehabilitation on inflammatory biomarkers in patients with chronic obstructive pulmonary disease: A systematic review and meta-analysis**
Anastasia Newman (Hamilton, Canada), Christopher Farley, Ana Oliveira, Parameswaran Nair, Roger Goldstein, Dina Brooks

**Exploring the effects of inhaled corticosteroids on endothelial function in COPD patients undergoing an intensive pulmonary rehabilitation program**
Claudio Candia (Naples, Italy), Pasquale Ambrosino, Carmen Lombardi, Claudia Merola, Salvatore Fuschillo, Silvestro Ennio D'Anna, Filomena Tafuro, Antonio Molino, Mauro Maniscalco

**Preferences of patients with chronic obstructive pulmonary disease (COPD) leading to their choice between center-based or home-based pulmonary rehabilitation.**
ALEXANDRE LECLERCQ (LOOS, France), Olivier Le Rouzic, Axelle Detree, Jean-Marie Grosbois, Saïd Benkharraz, Didier Caparros, Cyrielle Jardin, Fabienne Radenne, Philippe Ramon, Fabienne Salez, Alain Strecker, Gaëlle Terce, Laurence Thirard

**Towards a remote deployment of the assessment of physical capacities of patients with COPD: feasibility and validity of the SSTS**
Esperance Moine (Lodeve, France), Nicolas Oliver, Florine Barbaste, Virginie Molinier, François Alexandre, Maurice Hayot, Nelly Heraud
Self-reported maintenance training in patients with COPD – a 56 months’ follow-up study after initial pulmonary rehabilitation
Mette Kaasgaard (Nordhavn, Copenhagen, Denmark), Uffe Bodtger, Søren T. Skou, Stephen Clift, Ole Hilberg, Daniel Bech Rasmussen, Anders Løkke

What are the predictors and reasons for refusing to engage in a maintenance pulmonary rehabilitation program?
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

Pulmonary rehabilitation for acute and stable COPD: a systematic review and network meta-analysis
Chien-Hua Tseng (New Taipei City, Taiwan), Tzu-Tao Chen

Breathing life into referrals: consumer co-design enhances pulmonary rehabilitation access in COPD
Sarah Hug (Perth (WA), Australia), Vinicius Cavalheri, Daniel Gucciardi, Kylie Hill

Investigation of Disease Status, Dyspnea Severity, and Symptoms According to Exercise Habits in COPD Patients Completing Pulmonary Rehabilitation Program
Melissa Köprüülüoglu (İzmir, Turkey), İlkınur Naz, Elvan Feklıoğlu, Hülya Doğan

Does pulmonary rehabilitation decrease frailty in COPD?
Bethia Bradley (Chichester, United Kingdom), Ceri Allman, Victoria Bulbeck

Benefit of pulmonary rehabilitation in frail COPD and other chronic lung disease: A systematic review and meta-analysis
Kola Akinlabi (London, United Kingdom), Bin Patel, Ana Maria-Bafa, Bunmi Adebajo, Meera Panchal, Mayowa Bakare, Patrick Mallia

Changes in exercise capacity, symptom burden and mental health scores in individuals with chronic obstructive pulmonary disease pre and post the COVID-19 pandemic
Elizabeth Dunphy (Easkey, Ireland), Philip Tonge, Feargal Helly, Sarah O'Beirne

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 Bargaje

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.
Zulfiqar Ali Detho (Karachi, Pakistan), Faisal Faiyaz Zuberi

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

The role of pleural biopsy in the diagnosis of pleural tuberculosis.
Luis Alexandre Duarte Manteus (Lisboa, Portugal), Sofia Pimentel, Sofia Fontão, Maria Cavaco, André Nunes, Ricardo Cordeiro, Carina Silvestre, Joana Ferra, Daniel Duarte, Teresa Falcão

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, Miraе Park

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

Endobronchial tuberculosis: Bronchoscopic features and microbiological correlation
John Muchahary (Shillong, India), Vijay Noel Nongpiur, Pranjal Kalita, Neeta Gogoi
**Features of colposcopy in patients with various forms of pulmonary tuberculosis**
Marufdjon Yuldashev (Tashkent, Uzbekistan), Nargiza Parpieva, Shaxnoza Zufarova

**Effect of Corticosteroids in Tubercular Pleural Effusion - A Randomised control trial**
Prachi Gupta (Delhi, India)

**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, Jadranka Vidak, Helen Burgess, Lianne Castle, Heinke Kunst, Ronan Breen, Anne Dunleavy, Mohammed Munavvar, Marc Lipman, Thomas Gorschuch, Pranabashis Halder, Onn Min Kon

**Delayed diagnosis and treatment in patients with Tuberculous Meningitis**
Edward Lau (London, United Kingdom), Prasheena Naran, Alasdaier Frater, Oscar Herrera, Akanksha Mimi Malhotra, Veronica White, Curtis Offiah, Heine Kunst

**Diagnostic barriers in gastrointestinal tuberculosis**
Alasdaier Frater (London, United Kingdom), Stephen Joseph, Amina Jama, Susan Dart, Prasheena Naran, Nicola Smallcombe, Akanksha Mimi Malhotra, Veronica White, Heine Kunst

**Interventional bronchoscopy in patients with endobronchial tuberculosis - a single center review**
Hiroshi Handa (Kawasaki, Japan), Satoshi Tanaka, Kei Morikawa, Hiroki Nishine, Masamichi Minesshita

**Factors determining the diagnostic delay of microscopy-positive pulmonary tuberculosis in the city of Agadir**
Aboubeekr Imzil (Agadir, Morocco), Abdelmajid Oulahbib, Salma Abdala, Hind Serhane

**Yield of EBUS-TBNA in the diagnosis of mediastinal tuberculous lymphadenopathy**
John Muchahary (Shillong, India), Vijay Noel Nongpiur, W. Valarie Lyngdoh, Pranjal Kalita

**Tuberculous pleurisy and pregnancy**
khaïda miftah (CASABLANCA, Morocco), Nahid Zaggha, Hanane Benjelloun, Khadija Chaanoun, Hanaa Harraz, Najiba Yassine

**NON-TUBERCULOUS MYCOBACTERIA IN THE ELDERLY**
Imanol Gonzalez Muñoz (Barakaldo, Spain), Jone Solorzano Egurbide, Edurne Echevarria Guerrero, Laura Cortezon Garces, Teresa Bretos Dorrorsoro, Carlos Caldera Fernandez, Borja Santos Zorrozua, M Victoria Leal Arranz, Julia Amaranta Garcia Fuentes, Lander Altube Urrengoechea, Eva Maria Tabernero Huguet

**Clinical characteristics of patients with interstitial lung disease complicated by pulmonary Mycobacterium avium complex disease**
Masayuki Watanabe (Yokohma-city, Japan), Eri Hagiwara, Shinobu Sagawa, Tatsuya Muraoka, Satoshi Ikeda, Ryo Okuda, Hideya Kitamura, Tomohisa Baba, Shigeru Komatsu, Takashi Ogura

**Tuberculosis pneumothorax: Prognostic factors for unfavorable outcome**
Zaineb Ghizaoui (ariana, Tunisia), Amani Ben Mansour, Soumaya Ben Saad, Azza Slim, Hafaoua Daughfous, Fatma Tritar

---

**PS-26 Session**

**TUESDAY 10 SEPTEMBER, 2024**

**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:** Chair to be confirmed

**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, Qinyue Gao, William Thomas, Roger Thompson, Richard Samworth, Nicholas Morrell, Stefan Marciniak

**Streptococcus pneumoniae serotype could determine long-term survival after bacteremic pneumococcal pneumonia**
Francisco Sanz Herrero (Quart de Poblet (Valencia), Spain), Noelia Carrión Collado, María Remedios Gunca Serrano, José Luis Martín Rodríguez, Pablo Giménez Ruiz, Concepción Gimeno Cardona, Estrella Fernández Fabrellas

**The role of resistin in Influenza infection: preliminary results from the INNOVATE study**
Kateryna Viligorska (Chernivtsi, Ukraine), Zsófia 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 Guerrón-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 Sebastián Arcelia 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.
Beatrix 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
Mayssa Charriag (Tunis, Tunisia), Ines Moussa, Mohamed Rafik Guerfallah, Lenda Ben Hmida, Hana Mrassi, Tarek Cherif, Oumaima Bziouech, Ines Sahnnoun, Leila Douik Elgharbi

Prognostic factors of community-acquired pneumonia in patients with pathological lungs
Hamida Kwas (Gabad, Tunisia), Sabrine Majdoub Fehri

The role of social media in monitoring and predicting influenza cases in Beijing: a time series analysis
Chuangsen Fang (Beijing, China), Yannng Li, Bingxuan Weng

Predictor-driven Dissection of the Post-COVID Syndrome (PCS) Score – A Population-Based Study

Evaluating a novel predictive measure for respiratory infection outbreaks in real life.
Eleni Roussogianni (Larissa, Greece), Giannoula eirini Perlepe, Eleftherios Meletis, Stylianos Boutlas, Irene Poulikada, Georgia Rapti, Evdoxia Gouta, Eleni Mpaltopoulos, Giorgos Mpaltopoulos, Rubee Risdiyanto, Dimitrios Papagiannis, Polykrones Kostoulas, Konstantinos Gourgoulis

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 Shen, 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-Hsiuing 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 Sundaramalingam, Beenish Iqbal, Wuimei Chew, Rob Halfifax, John Wrightson, Najib Rahman

Pleural infection presentation and timeline of events: Real-world data from a tertiary hospital in the UK
Sonia Mannan (Stoke-On-Trent, United Kingdom), Tayyab Waseem, Nabeel Saifwan, Muhammad Ganaie
A comparison of clinical and laboratory characteristics in hospitalised adults with and without respiratory viral infection (RVI).
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, Salmon Siddiqui, Cyrus Daneshvar, Tristan Clark, Anna Freeman, Tom Wilkinson

Disease severity of hospitalised COVID-19 patients during the different phases of the pandemic in a primary teaching hospital in Germany
Johanna Huntemann (Coburg, Germany), Silvio Heinig, Timm Lemcke, Claus Steppert

PS-29  Session  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 Planas Cerezales (Barcelona, Spain)

Effects of nerandomilast, 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 Bokhary, Jennifer Shyamalee, Simon P Hart

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, Jihyeon 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 Spalletti, Fabrizio Mezzasalma, Elena Bargagli, 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 Skiadis, Eleni Bibaki, Nicoletta Bizymi, Andreas M. Matthaiou, Pantelis Hatzis, Nikolaos Tzanakis, Katerina Antoniou

PDGFRα-positive fibroblasts display a proinflammatory phenotype in infection-driven exacerbation of experimental lung fibrosis
Lara-Kristin Steinmetz (Hannover, Germany), Tina Röpe, 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 Salvator, 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 Estrela (Belo Horizonte (MG), Brazil), Eliane Mancuco, 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 Thangakunnam, 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, Nicolet 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, Ganpirova Cavalleri, David A. Schwartz, Cormac Mccarthy, Michael P. Keane, Michael T. Henry, Killian Hurley

**PS-27 Session 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)

**Efficacy and safety of concurrent chemoradiotherapy with carboplatin and nanoparticle albumin-bound paclitaxel.**
Osamu Kanai (Kyoto, Japan), Takanori Ito, Zentaro Saito, Takuma Imakita, Issei Oi, Yuki Yamamoto, Kohei Fujita, Kiminobu Tanizawa

**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.**
Andriani Charpidou (Athens, Greece), Maria Mani, Sofia Lampakaki, Lambri Stournara, Athanasios Kotsakis, Epameinodas Samantzas, Violeta Grammatikou, Nikolaos Kentepozidis, Anna Koumarianou, Konstantinos Syrigos

**Quality of Life in Patients with Advanced Non–Small-Cell Lung Cancer: A Prospective real-world study**
Elise M. Beijert (Leeuwarden, Netherlands), Rolof G P Gijtenbeek, Kim De Jong, Wouter H. Van Geffen

**Real-world efficacy and safety analysis on three-day continuous intravenous pump infusion of endostar combination therapy for advanced NSCLC.**
Min Zhang (Shanghai, China), Guogang Xie, Xue Zhang, Wuping Bao, Aihua Bao, Yan Zhou, Yingying Zhang

**Gender Disparities in ICI Therapy: Lung Cancer Patients' Varied Immune Responses.**
Blerina Resuli (Munich, Germany), Julia Walter, Diego Kaufmann-Guererro, Pontus Mertsch, Jürgen Behr, Amanda Tufman

**A study on the impact of antibiotics on the efficacy and prognosis of advanced lung cancer patients undergoing immune checkpoint inhibitor therapy.**
Yufang Xie (Chengdu, China)
Challenges in the management of oligometastatic lung cancer
Nidhal Bellouni (la soukra, Tunisia), Hammouda Naziha, Jabberi Manel, Hbouria Chaima, Bellara Roumaissa, Akrimi Nada, Belmufti Hiba, Bachouch Imene, Chemiti Fatma, Fenniche Soraya

Lymphocyte changes in peripheral blood of metastatic non-small cell lung cancer patients receiving cryotherapy and immunotherapy
Gediminas Vasiliauskas (Kaunas, Lithuania), Evelina Sabecytė, Erika Skrodenienė, Lina Poškienė, Marius Žemaitis

Establishment and validation of prognostic nomograms for patients suffering from metastatic pulmonary large cell neuroendocrine carcinoma
Xiaoyun Chen (Fuzhou, China), Yedong Huang, Chaosheng Deng

Quality of Life in Long-Term Survivors with advanced EGFR-Mutated NSCLC
Rolof G.P. Gijtenbeek (Leeuwarden, Netherlands), Maria Blijisma, Ronald A.M. Damhuis, Anthonie J. Van Der Wekken, Marien K. Steinmann, Anneke A. Staal-Van Brekel, Harry J.M. Groen, Wouter H. Van Geffen

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 Aprile, 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), Zhaozhun 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 Chuang, 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

Does the time of tobacco cessation influence the characteristics of lung cancer?
Iñigo García-Peñuela Arrechea (Becerril De La Sierra, Spain), Beatriz Morales Chacon, Medardo Montenegro Villavicencio, Jorge García Aragón, Elena Fernández Martín, Maria José Bernabé Barrios, Fernando Peláez Castro, Maria Asuncion Nieto Barbero

Poster session: Sleep-disordered breathing and cardiovascular risk, comorbidities and mortality

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), Ventislava 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 Grettet, 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 Rodríguez, Mariola Bretón, M. Dolores Ramirez, 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 Verbraecken, Ozen Basoglu, Sophia Schiza, Ondrej Ludka, Silke Ryan, Pavol Joppa, Francesco Fanfulla, Stefan Mihaiicuta, Pawel Sliwinski, Tarja Saaresranta, Jan Hedner, Jean Louis Pepin, Sebastien Baiilly

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 Patakia, Carolina Lombarti, Johan Verbraecken, 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 Maria Mendoza Zambrano, Adela Berenice Brown Arceola, Verónica Sánchez López, Francisco Javier Medrano Ortega, Enrique José Calderón Sundubete, Candelaria Caballero 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 Beauperthuy Levi, Marina Ingles Azorin, Sergio Mompean Rodriguez, Rosalía Martínez Perez, José Gomez Olivas, Consuelo López Fornas, Amina Bekki, Alberto García 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 Baillieul, Izolthi Bouloukaki, Ozen K. Basoglu, Pawel Sliwinski, Paschalis Steiropoulos, Johan Verbraecken, Carolina Lombardi, Gianfranco Parati, Walter T. Menicholas, Silke Ryan, Sophia Schiza, Winfried Randerath, Sébastien Baiilly 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 Kleger, Micha Maeder, Hans Rickli, Otto Schoch, Martin Brutsche

Benjamin Nguyen (Sydney, Australia), Collette Menadue, Brendon Yee, Olivia Meguiness, Keith Wong, Nathaniel Marshall, Edmund Lau, Amanda Piper

TRENDS IN CARDIOVASCULAR MORTALITY IN PATIENTS WITH SLEEP APNEA IN THE UNITED STATES FROM 1999 TO 2020
Minhail Malik (Karachi, Pakistan), Muhammad Ali Tariq, Ahmed Gang
Poster session: 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)

1. **H. influenzae and S. aureus detection through breath analysis in PCD patients**  
Belle Toussaint (Amsterdam, Netherlands), Emma Nessen, Joël Israëls, Eric Haarman, Josje Altenburg, Paul Brinkman, Anke-Hilse Maitland-Van Der Zee

2. **Eosinophil-derived neurotoxin levels in adults**  
Selin Ozuygur Ernis (Gothenburg, Sweden), Carina Malmhäll, Magnus P. Borres, Daniil Lisik, Selin Ercan, Reshed Abolahaka, Muwada Bashir Awad Bashir, Göran Wennergren, Jan Lötvall, Madeleine Rådinger, Linda Ekerljung, Hannu Kankaanranta, Bright Nwaru

3. **Clinical and genetic predictors of MUC5AC expression in patients with asthma**  
Caroline Herløv (Frederiksberg C, Denmark), Juan José Nieto-Fontarigo, Morten Hvidtfeldt, Mandy Menzel, Jonas S. Erjefält, Lena Uller, Celeste Porsbjerg, Asger Sverrild, Kristoffer L. Norheim

4. **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, Yu Cheong Yeung

5. **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 Panin

6. **Dissociation between lung inflammation and hyperresponsiveness in a murine model of obesity**  
Alember Lino Alvarado (London, United Kingdom), Amanda Cavalcante, Simon Pitchford, Yanira Riffo-Vasquez

7. **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 Giumfrè, Chiara Cioppolino, Maria Giuseppina Bruno, Giuseppe Aiello, Bernardo Patella, Rosalinda Inganta

8. **Diaphragmatic surface EMG and COPD Inflammatory profile**  
OUAHIDA BOUROUBI (constantine, Algeria), Alceme Chikhi, Nesrine Zaabat

9. **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

10. **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

11. **How patient-reported respiratory symptoms relate to lung function and inflammation in adult asthma**  
Gilles Louis (Liège, Belgium), Benoit Pétré, Bernardo Sousa-Pinto, Jean Bousquet, Eric Van Gans, Florence Schleich, Renaud Louis

12. **Evaluation of inflammation, remodeling, hyperresponsiveness and oxidative stress in experimental models of asthma-COPD overlap**  

13. **A BEAT-PCD ERS CRC consensus statement for routine blood testing in primary ciliary dyskinesia in collaboration with PCD-Clinical Trial Network**  
<table>
<thead>
<tr>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Staphylococcus aureus Enterotoxins sensitization on the pathophysiology of COPD</td>
<td>Yoshihiro Kanemitsu (Nagoya, Japan), Ryota Kurokawa, Taisuke Akamatsu, Kensuke Fukumitsu, Satoshi Fukuda, Yutaka Ito, Yuki Amakusa, Tatsuro Suzuki, Keina Ito, Yuta Mori, Takehiro Uemura, Tomoko Tajiri, Toshio Shirai, Akio Niimi</td>
</tr>
<tr>
<td>Utilizing Deep Machine Learning to Disclose Hematological Indices and Biomarkers in Asthma-COPD Overlap</td>
<td>Mingtao Liu (Guangzhou, China), Baoqing Sun</td>
</tr>
<tr>
<td>Stratification of pre-COPD by lung volume indices creates distinct proteomic profiles in COPDGene cohort</td>
<td>Mehrdad Arjomandi (San Francisco, United States), Siyang Zeng, Claire Guo, Chantal Kloth, Katherine Pratte, Gang Luo, Russell P Bowler</td>
</tr>
<tr>
<td>Advances in Research on Eosinophil Extracellular Traps in Eosinophilic Granulomatosis with Polyangiitis</td>
<td>Junjie Wen (Guangzhou, China)</td>
</tr>
<tr>
<td>Longitudinal association between hemoglobin and lung function with insights into incidence of chronic obstructive pulmonary disease</td>
<td>SungChan Rim (Seoul, Republic of Korea), Jihoon Kim, Yun Tae Kim, Ji Ye Jung, Youngmok Park</td>
</tr>
<tr>
<td>Relationship of IL-36γ with oxidative stress markers (Ischemic Modified Albumin (IMA), total oxidant status (TOS) and total antioxidant status (TAS)) in the diagnosis of COPD</td>
<td>Nursel Turkoglu Selcuk (Antalya, Turkey), Hamit Yasar Ellidag, Aliye Gamze Calis</td>
</tr>
<tr>
<td>Risk factors associated with severe adverse events in patients with relapsing polychondritis undergoing flexible bronchoscopy</td>
<td>Shao-ting Wang (Beijing, China), JInglan Wang, Xiaoxing Gao, Keqi Chen, Kai-Feng Xu, Xinlun Tian</td>
</tr>
</tbody>
</table>

**PS-10 Session 12:30 - 14:00**

**Poster session: Clinical aspects in chronic airway diseases**

**Disease(s):** Airway diseases  Sleep and breathing disorders  
**Method(s):** General respiratory patient care  Physiology  Endoscopy and interventional pulmonology  Pulmonary function testing  Transplantation  Public health  Imaging  Cell and molecular biology  Epidemiology  
**Tag(s):** Clinical  
**Chairs:** Chair to be confirmed

<table>
<thead>
<tr>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Domiciliary nasal high flow therapy for breathlessness; chronic obstructive pulmonary disease (COPD)</td>
<td>Natasha Smallwood (Melbourne (VIC), Australia), Amy Pascoe, Catherine Buchan, Aaron Wong, David Currow, Brian Le</td>
</tr>
<tr>
<td>Investigating the important factors influencing long-term doxycycline responsiveness in COPD</td>
<td>Debkanya Dey (Kolkata (West Bengal), India), Sudipto Saha, Rajat Banerjee, Parthasarath Bhattacharyya</td>
</tr>
<tr>
<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>
</tr>
<tr>
<td>Measures of lung function and inflammation in patients hospitalised with severe asthma attacks and 2 weeks later</td>
<td>Mouaid Aljehani (Nottingham, United Kingdom), Tim Harrison, Matthew Martin</td>
</tr>
<tr>
<td>Bronchiectasis in severe asthma: clinical and inflammatory response to biologic therapy.</td>
<td>Alice Villa (verona, Italy), Elide Felici, Andrea Mastrototaro, Ernesto Crisafulli, Gianenrico Senna, Marco Caminati</td>
</tr>
<tr>
<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 Martín Gallego, Brenda Lucia Romero Argüello, Andrea Pérez-Álvarez, Laura Sierra Herranz, Javier Juan Garcia, Silvia Fernandez Huerga, Luis Carazo Fernandez</td>
</tr>
<tr>
<td>Mucus dispersal by Dithiothreitol (DTT) reduces ciliary dyskinesia</td>
<td>Anna Straatman-Iwanowska (Leicester, United Kingdom), Maria Khan, Neeta Kulkarni, Gwynth Williams, Christopher O'Callaghan, Robert Hirst</td>
</tr>
<tr>
<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>
</tr>
<tr>
<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>
</tr>
</tbody>
</table>
Comparison of effectiveness of acetylcysteine and 3% hypertonic saline inhalation in patients with COPD
Dmytro Dobrianskyi (Kyiv, Ukraine), Galyna Gumeniuk, Nina Kuzmenko, Oleh Iaremenko, Dmytro Dobrianskiy

The societal cost of asthma among young adults in Sweden – a register-based study
Alma Rovsing (København NV, Denmark), Richard Ssegonja, Christer Janson, Anders Lokke, Rikke Ibsen, Ole Hilberg, Vibeke Backer, Charlotte Suppli Ulrik, Ulla Møller Weinreich, Kjell Erik Julius Håkansson

Factors affecting asthma control in pregnant women with asthma.
Kaleem Toori (Rawalpindi, Pakistan), Muhammad Arsalan Qureshi

Respiratory clinicians’ attitudes to offering ‘rescue packs’ to patients discharged after COPD exacerbation
Karolina Kuberska (Cambridge, United Kingdom), Graham Martin, John R Hurst, Mona Bafadhel

Social determinants of health in clinical trials of long-term oral antibiotics in COPD: a systematic review
Zac Irwin (Melbourne, Australia), Amy Pascoe, Harrison Birch, Meghan Owens-Reed, Natasha Smallwood

Evaluation of the association between nutritional status and socioeconomic factor with lung function in PCD Patients in the UK
Ran An (London, United Kingdom), Duncan Alastair, Kahai Rasleen

Reduced tracheal stenosing effect of nintedanib in a patient with scarred posttraumatic tracheal stenosis and airflow limitation
Stefanie Klampfleitner (München, Germany), Andreas Fertl, Ositha Prinz, Martin Doerfler-Schalm, Dieter Munker, Markus Henke

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
Amandeep Salhotra (Duarte, United States), Zacharia Defilipp, Mehdi Hamadani, Jose Antonio Perez-Simon, Jennifer White, Emma Nicholson, Shuyuan Lou, Timothy O'Toole, Peter Ordentlich, Vedran Radojicic, Carrie Kitko, Daniel Wolff

FASE 2 - CPHG: Initial findings of an observational study on patients with severe asthma treated in French non-academic hospitals.
Laurent Portel (Libourne Cedex, France), Wenda Gaspard, Cyril Maurer, Cecilia Nocent, Jean-Philippe Oster, Camille Vandelveld, Chantal Raherison-Semjen, Marc Humbert, Hugues Morel

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, Flogerta Sana, Giovanni Dalena, Alberto Carrassi, Marco Antonio Patruno, Giovanna Elisiana Carpgniamo

Study of impact of pneumococcal vaccine in hospitalised community acquired pneumococcal pneumonia cases: A single center experience
Shital Vishnu Patil (Latur (Maharashtra), India), Sanidhaya Tak, Abdul Wahab Mirza, Arpit Johar, Gurmaiher Singh Thethi

Diagnostic yield of BAL vs. non-invasive analysis in patients with CAP
Samuel Etienne (Basel, Switzerland), Werner Albrich, Mathias Pietz, Marcus Panning, Vivian Suarez Domenech, Frank Eberhardt, Grit Barten-Neiner, Daiana Stolz

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

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 Alberti, Sanjay Chotirmall, Eva Polverino, Pieter Goeminne, Natalie Lorent, Felix Ringshausen, Rosa Faner, Oriol Sibila, Amelia Shoemark, Merete B Long, James D Chalmers
Clinical characteristics and outcomes of empyema thoracis amongst patients with diabetes mellitus
Kevin Shu-Leung Lai (Taipei, Taiwan), Kai-Ling Lee

Infection with Staphylococcus aureus in patients with bronchiectasis: data from the EMBARC registry
Jessica Rademacher (Hannover, Germany), Eva Polverino, Rafael C. Ringhausen, Anthony De Soyza, Montserrat Vendrell, Pierre Régis Burgel, Charles S. Hawthorn, 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, Stefan Aliberti, James D Chalmers

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

Inflammaratory 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 Llonch, Ignacio Español, Laia Fernandez-Barat, Antoni Torres

The association between inspiratory muscle strength and walking performance among people with post-covid-19 condition: an observational study.
Jolanda C. Kuijvenhoven (Leeuwarden, Netherlands), Erwin Koster, Sander Perry

Impact of Non-Influenza Respiratory Virus Department Utilization and Hospitalization
Daijiro Nabeya (Okinawa, Japan), Takeshi Kinjo, Wakako Arakaki, Nanae Ikemiya, Naoya Nishiyama, Shuhei Ideguchi, Hideta Nakamura, Makoto Furugen, Kazuya Miyagi, Tomoo Kishaba, Kazuko Yamamoto

Proportion of non-ventilator associated Hospital Acquired Pneumonia associated with sepsis
Laura Pilling (Liverpool, United Kingdom), Sakina Ali, Stephenaston, Daniel Wootton

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, Onnor Hampson, Samantha Hayes, Rachel Penfold, Emma Rickards, Sarah Sibley, Dennis Wat

Testing for respiratory syncytial virus (RSV) in Greek adults hospitalized with community-acquired pneumonia (CAP)

Retrospective analysis of isolated respiratory pathogens spectrum and antimicrobial resistance trends: a single center ten-years follow-up
Desa Nastasjević Borovac (Niš, Republic of Serbia), Borislav Božanić, Tatjana Pejić

Changes in the pulmonary surfactant in patients with mild COVID-19
Spela Kokeč (Göteborg, Sweden), Per Larsson, Emilia Viklund, Hatice Koca, Hanna Slogén, Lowie vanfleteren, Bo Nilsson, Karin Fromell, United Westin, Anna-Carin Olin

Management of patients with pleural infection in Greece: initial results of the ongoing PRACTICE (PleuRAIn InFeCTion in Greece) study
THEOFANI RIMPA (Athens, Greece), Chatzivasilisoglou Foteini, Koulousoula rockta, Konstantinidou Maria, Doulgerakis Eleutherios, Papadopoulou Kyriaki, Filipppou Ioanna, Lampadakis Stefanos, Papasaranout Annta, Mouratidou Nefeli, Argyro Vrouvaki, Antonakis Emmanouil, Siopei Dimitra, Perlefe Garyfallia, Raptakis Thomas, Vlachantoni Iris, Iliopoulos Marianthe, Sampsonos Fotios, Spyrota Dionysios, Bakakos Petros, Loukidis Stylianos, Papanokolaou Ilias, Gourgoulianis Konstantinos, Kalomenidis Ioannis, Skouras Vasileios

Clinical effectiveness and safety of simnotrelvir/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

Interventions against respiratory and vaccine-preventable infectious diseases in asylum seekers and refugees: a systematic review
Annabelle Bockey (Freiburg, Germany), Nathalie V Fernández Villalobos, Barbora Kessel, Jan-Frederic Lambert, Berit Lange

Better post-acute sequelae COVID19 observed in hospitalized COVID19 patients treated with remdesivir
Dorothy Fesu (Érd, Hungary), Eniko Barczi, Balazs Csoma, Lorinc Polivka, Gabor Horvath, Szilvia Sebok, Veronika Muller
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 Negro, Linda Bussini, Giulia Suigo, Valeri Cento, Michele Bartoletti, Antonio Voza, Stefano Aliberti

**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

**Physiology** | Pulmonary function testing | Public health | Imaging | Cell and molecular biology

**Chairs:** Ozge Ozturk Aktas (Ankara, Turkey), Emad Eldin Ibrahim (Alexandria, Egypt)

**Pulmonary manifestations of antiphospholipid syndrome: a retrospective analysis of 121 patients**
Biljana Lazovic (Beograd, Republic of Serbia), Ljudmila Stojanovic, Milos Filipovic

**Suboptimal response to biologics in severe asthma patients with humoral immunodeficiencies**
Angelica Tiotiu (Brussels, Belgium)

**Interstitial lung disease: performance of neutrophil-lymphocyte ratio in predicting progression**
Nourchene Khaffallah (Rades, Tunisia), Haifa Zaibi, Hénd Ourtani, Emna Ben Jemai, Jihen Ben Ammar, Hichem Aouina

**Necrostatin-I can inhibit the necroptosis and improve diaphragm function in the sepsis mice sepsis by cecal ligation and puncture**
Xin Fu (Chengdu, China), Qian Xu, Lietao Wang, Qin Wu

**Reducing the environmental impact of asthma and its treatment: findings from the SENTINEL pilot site**
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

**Mepolizumab is not inferior to omalizumab, improving asthma control in severe allergic and eosinophilic asthma, a randomised, blinded, non-inferiority trial.**
Peter Wark (Prahran (Victoria), Australia), Lorena Rodrigues Sabino, Erin Nolan, Peter Gibson, Vanessa Mcdonald, John Upsham, Elaine Yap, Elizabeth Holliday

**Chronic Cough Patient Perspective: questionnaire validation and symptom impact.**
Maria Giulia candeliere (GENOVA, Italy), Fulvio Braid, Benedetta Bondi, Enrico Arnaboldi, Matteo Bruno, Nicole Colombo, De Tommaso Cesare, Melissa Ferraris, Sofia Martinelli, Laura Melissari, Ludovica Napoli, Federica Terracciano, Chiara Folli, Ilaria Bardi

**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 Harmouch, Bassem Hadir, Antoine El Kik, Moussa Raja Gopal, Hedi End, 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 Palczyński

**Differences in the progression among mild, moderate and severe pulmonary fibrosis on HRCT scan in Usual Intersitial Pneumonia (UIP) cohort in the United Arab Emirates (UAE)**
Khaled Saleh (Abu Dhabi, United Arab Emirates), Samiuddin Mohammed, Govinda S. Bodhi, 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 Abdulaev

**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
Xiumei Tang (Chengdu, China), Weimin Li

Correlation of functional data with diaphragm measurements evaluated by ultrasound in patients with Interstitial Lung Disease
Aysegül Sahin (eskişehir, Turkey), Huseyin Yildirim, Fusun Alatas, Senay Yilmaz, Gunultu Ak, Muzaffer Metintas

Assessment of osteoporosis and fracture risk in people with interstitial lung disease, can we do better?
Laura Chapman (London, United Kingdom), Gráinne D’Ancona, Amaan Ali, Alison Wright, Jessica Clements

Clinical utility of metagenomic next-generation sequencing negative results in corticosteroid-responsive diffuse parenchymal lung diseases
Wenkui Sun (Nanjing, China), Qian Qian, Chuwei Jing, Yuchen Ding, Ji Zhou

Risk factors for respiratory relapses in patients with EGPA
Justyna Fijołek (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

**PS-28 Session 12:30 - 14:00**

**Poster session: Managing pulmonary fibrosis around the world**

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

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

**Tag(s):** Clinical

**Chairs:** Nazia Chaudhuri (Limavady, United Kingdom), Tonia Magri (Roma, Italy)

**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, Gurmaihier 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 Levra (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 Dartora, Riccardo Messina, Irene Di Leo, Tiziana La Blasca, Nicola Scichilone, 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 Veithans, Marc Höffgen, Phileen Maqhuu, 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 of patients with idiopathic pulmonary fibrosis treated with antifibrotic therapy
Makiko Sato (Gunma, Japan), Yasuhiko Koga, Yoshimasa Hachisui, Kazutaka Takehara, Ikuo Wakamatsu, Yuki Shin, Haruka Saito, Masakiyo Yatomi, 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

Spectrum of disease and predictors of mortality in patients with idiopathic pulmonary fibrosis in South Africa
Muhammed Hoosen (Durban (Kwa Zulu-Natal), South Africa), Mohammed Mitha, Kennedy Nyamande

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 Sheshrao Mane, Balamugesh Thangakunam

Familial Pulmonary Fibrosis: Clinical, genetic and radiological characterization
Mara Daniela Silva Sousa (Vizela, Portugal), Inês Carvalho, Rita Santos, Patricia 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, Natália Melo, António Morais, Hélder Novais-Bastos

The far reaching implications of Interstitial Lung Diseases Delayed Diagnosis
Radu Adrian Crisan-Dabija (Iasi (Iasi), Romania), Lucia Morosan-Đanila, Claudia Elena Grigoras-Ichim, Dumitru Filipeneanu

Effect of an integrated care system on waiting times for fibrotic-ILD patients
Catherine Plum (Lancaster, United Kingdom), Timothy Gatheral, Rachel Mountain, Sharon Weinberg

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 Buendia-Roldán, Muricio González, Emily Rincón-Alvarez, Maria Laura Alberti, 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 Enghelmayer, Tulio Papucci, Matias Castro, Wendy Marisol Torrejon Chinche, Graciela Svelitza, David Smith, Martin Bosio

IPF and lung cancer. Retrospective analysis of antifibrotic drugs and thoracic surgery.
Leonardo Gori (Florence, Italy), Stefano Bongiolatti, Alessandra Sorano, Elisabetta Rosi, Marina Amendola, Viola Bonti, Katia Ferrari, Roberta Ginanni, Alberto Salvicchi, Domenico Viggiano, Luca Voltolini, Camilla Comin, Valeria Pasini, Rubina Girolamo, Valentina Musto, Luca Ciani, 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-14 Session**
**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)

**Immunoproteasome deficiency promotes airway type 2 inflammation in allergen challenged mice**
Niccolette Schaunaman (Denver, United States), Diana Cervantes, Heng Wei Lee

**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
**LSC - 2024 - Deciphering the paradoxical immunoregulatory roles of ADAM metallopeptidase 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 Mettelman, Stefán Schattgen, Kaitly Allen, Cliff Guy, Peter Vogel, Jason Rosch, Richard Webby, Paul Thomas

**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 Limnander, Wei Keat Lim, Jonas Erjefält, Seblewongel Asrat, Jamie Oreno

**Dysregulation of Bmal1 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, Shaoxi Cai, Hangming Dong

**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

**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

**Pollen induces pseudo-allergy via MRGPRX2/Mrgprb2 on mast cells**
Yun Liu (Xi’an, China), Yan Zhang

**Bronchial pyroptosis promotes Th17 inflammation in a steroid-insensitive toluene diisocyanate-induced asthma model**
Shuyuan Chu (Gui Lin, 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 Fukutomi, 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 (Hangzhou, China), Lei Zhao, Yishu Xue, Jiao Xu, 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-Ishizu, 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, Jian 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 Baisakhi Nayak (Graz, Austria), Julia Teppan, Iris Red, Juliana Schwanzer, Akos Heinemann, Eva Böhm

**The effect of elimination and irrigation hyperosmolar solution of xylitol therapy usage in allergic rhinitis patients**
Artemii Bogomolov (Vinnytsia, Ukraine), Sergii Zaikov, Mykola Gumeniuk

**Safety, tolerability, pharmacokinetics, and immunogenicity of a human monoclonal antibody TQC2731 targeting thymic 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 Luneskimig 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

PS-31
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, Waleed Ghanima, Kjetil Steine

Hypoxia-induced perivascular inflammation occurs selectively in lungs, a role for bronchial epithelium?
Karl-Otto Larsen (Oslo, Norway), Camilla Udjus, Bente Halvorsen, Else Marit Loberg, Geir Christensen, Ole Henning Skjønsberg

Obstructive sleep apnoea is associated with residual pulmonary hypertension following pulmonary endarterectomy in chronic thromboembolic pulmonary hypertension
Caner Çınar (istanbul, Turkey), Şehnaz Öğün Yildizeli, Halil Ataş, Baran Balcan, Bülemt Mutlu, Bedrettin Yıldızeli, Yüksel Peker

Clinical and radiological characteristics of CTEPH patients without a history of acute venous thromboembolism
Coen van Kan (Amsterdam, Netherlands), Lilian Meijboom, Dieuwertje Ruigrok, Esther Nossent, Jurjan Aman, Harm Jan Bogaard, Anton Vonk Noordegraaf, Josien Van Es

The impact of the initial treatment of venous thromboembolism on the severity of chronic thromboembolic pulmonary hypertension
Aleksandar Bokan (Loewenstein, Germany), Biljana Joves, Axel Tobias Kempa, Ahmed Ehab

Factors associated with oxygenation improvement after balloon pulmonary angioplasty for non-operable chronic thromboembolic pulmonary hypertension.
Yu Taniguchi (Kobe, Japan), Miki Sakamoto, Hiroyuki Fujii, Kenichi Yanaka, Noriaki Emoto, Kenichi Hirata

Estimating pulmonary haemodynamics and vascular resistance in CTEPH from pre- and post-endarterectomy CTPA
Behdad Shaarraf Ebrahimi (Auckland, New Zealand), Ho-Fung Chan, Prashanna Khwawunjoo, Finbar Argus, Martyn Nash, David Kaye, Timothy Joseph, Helen Whitford, Atsuo Oi, David Mc Griffin, Merryn Tawhai

Investigating the effectiveness of sildenafil on post-operative pulmonary hypertension after cardiothoracic surgery
Thomas Davies (London, United Kingdom), Yueqi Ge, Toby Lewis, Winston Banya, Sundeept Kaul

Efficacy of pulmonary angioplasty with stent deployment in patients with isolated peripheral pulmonary artery stenosis in adulthood
Misaki Kanezawa (Okayama, Japan), Hiroto Shimokawahara, Hiromi Matsubara

Survival is associated with underlying ILD diagnosis in ILD-PH.
Segolene Turquier (bron, France), Rémi Diesler, Martine Reynaud-Gaubert, François Lestelle, Thomas Lacoste-Palasset, Victor Valentin, Sébastien Quétant, Ari Chaouat, Clément Boisson, Elise Noel-Savina, Cécile Tromeur, Aurélie Justet, Arnaud Maurac, Fabrice Bauer, Hilario Nunes, Laurent Bertolletti, Pascal Magro, Delphine Horeau-Langlard, Marie-France Sérode, Nicolas Favrold, Romain Trésorier, Bouchra Lami, Céline Chabanne, Sébastien Renard, Frédéric Gagnadoux, Pierre Mauran, Ibrahim Traore, Laurence Rottat, Sabrina Zeghmari, Ana Nieves, Julie Traelet, Olivier Sitbon, Nicolas Lamblin, Bruno Degano, Arnaud Bourdin, Marc Humbert, Fabien Subtil, David Montani, Vincent Cottin

Comparative analysis of circulating endothelial progenitor cells and resected tissue-derived endothelial cells in chronic thromboembolic pulmonary hypertension (CTEPH).
Miriam Peraquela (Salt, Spain), Cristina Rodríguez, Ana M Ramirez, Jeisson Osorio, Montserrat Rigol, Isabel Blanco, Victor I Peinado, Manel Castellà, Joan Albert Barberà, Olga Tura-Ceide

PAR1 Inhibition Vorapaxar as a Potential Therapeutic Approach in Chronic Thromboembolic Pulmonary Hypertension
Lu Sun (Beijing, China), Min Liu, Peirang Yang, Zhenguo Zhai
Genome-wide association analyses identified susceptibility loci for chronic thromboembolic pulmonary hypertension among Chinese population
mengjie Duo (Beijing, China), Bingzhang Zou, Huiwen Li, Zhu Zhang, Zhengu Zhang

The significance of CD16+ monocytes in the occurrence and development of chronic thromboembolic pulmonary hypertension: insights from single-cell RNA sequencing
Maohe Chen (Fuzhou, China), Qiuxia Wu, Xinyue Lai, Nan Shao, Chaosheng Deng

The therapeutic potential of NAMPT in protecting against chronic thromboembolic pulmonary hypertension
Lu Sun (Beijing, China), Jixiang Liu, Peiran Yang, Zhengu Zhang

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
Saleh Nazzal (Nahef, Israel), Yochai Adir, Shemi Carasso, Marco Guazzi

Hemodynamic measurement in pulmonary hypertension: a challenge for automated CT analysis
Quentin Maloir (Liège, Belgium), Ludivine Libert, Benoit Ernst, Andreea Corsi, Wim Vos, Julien Guiot

The Prevalence of Pulmonary Hypertension in Left Heart Disease in Austria, Germany and Switzerland (DACH Region)
Katarina Zeder (Graz, Austria), Clayton Brown, Lisa Cvrn, Armella Santi, Eric W Robbins, Veranyuy Ngah, Silvia Ulrich, Stephan Rosenkranz, Simon Stewart, Geoff Strange, Gabor Kovacs, Bradley A Maron

ATMOS, a Proof-of-Concept trial of inhaled mosliciguat in untreated PAH or CTEPH
David Jung (Wuppertal, Germany), Ardeschir Ghofrani, Hanno Leuchte, Hikmet Al-Hiti, Michael Halank, Pavel Jansa, Tobias Lange, Horst Olschewski, Eva Becker-Pelster, Sandra Liggis, Johannes Nagelschmidt, Sylvia Nikkho, Sudhir Penugonda, Soudess Saleh, Khodr Tello, Paula Vesterinen, Markus Woschnik, Grzegorz Kopec

Epicardial Adipose Tissue Dysfunction in Pulmonary Arterial Hypertension: Implications for Right Ventricular Dysfunction
Sarah-Eve Lemay (Quebec, Canada), Monon Mougin, Sandra Martineau, Sandra Breuil Bonnet, Melanie Sauvaget, Olivier Boucherat, Steve Provencher, Sebastien Bonnet, Francois Potus

**PS-12** Session 12:30 - 14:00

Poster session: Response to biologics in severe asthma: moving forwards

**Disease(s):** Airway diseases

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

**Tag(s):** Translational

**Chairs:** Giuseppe Guida (ORBASSANO (TO), Italy), Christopher E. Brightling (Leicester (Leicestershire), United Kingdom)

The effect of biological treatment on small airways' function of patients with severe asthma
Anastasia Siora (Ἀργυρούπολη Αττικής, Greece), Angelos Vontetsianos, Nikolaos Chynkiamis, Christina Anagnostopoulou, Christiana Lekka, Agamemnon Bakakos, Konstantinos Bartzikas, Nektarios Anagnostopoulos, Ioanna Kostara, Nikoletta Rovina, Petros Bakakos, Andriana I. Papaoannou

Real-world 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 biologics? Wint Wah Soe (Eastleigh, United Kingdom), Rahul Mittal, Peter Cook, Chellan Eames, Sumita Kerley, Ciara Whitfield, Ma Pantaleon, 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 Ersibano, Mar Mosteiro, Fco.De Borja Garcia-Cosio Piqueras

HRCT chest findings in Th2 high severe asthma patients considered for biologic therapies.
Collin Mattathil (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, Andréanne Côté, Kenneth Chapman, Diane Lougheed, Brianne Philipenko, Shawn Aaron, Simon Couillard, Mohit Bhutani, Hana Serajeddini, Celine Bergeron

COGNITIVE IMPAIRMENT IN SEVERE ASThma – LONG-TERM EFFECTS OF BIOLOGICS
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. Kros, Jacob K. Sont, A. Ten Brinke, K. De Jong, Team Rapsodi

Biologics 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 (Olne, Belgium), Jeanne Vervier, Françoise Guissard, Virginie Paulus, Carole Sanchez, Nicolas Bougard, Anne-Noëlle Frx, Florence Schleich, Renaud Louis

Predictors of new-onset EGPA in patient with severe asthma treated with anti IL-4/13
Alberto Bracciali (Prato, Italy), Greta Insalata, Elisa Bentivegna, Alessia Catalisano, Martina Maria Marinato, Rubina Giulia Girolamo, Chiara Allegrini, Chiara Marzì, Federico Lavorini, Gianna Camiciottoli

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 García García (Madrid, Spain), Carmen Maria Acosta Gutiérrez, Sara Calero Pardo, Fernando Garcia Prieto, Zully Adiani Vasquez Gambasica, Beatriz Raboso Moreno, Jorge Mora Pinilla, Adriana Rodriguez Perojo, Sonia Pascual García, Waail Boubekri Boubakri Waail Boubekri Boubakri, Maria Concejo Merchán, Araceli Abad Fernández

Eosinophilic phenotype in adults with severe asthma in a tropical middle-income country: The ISAR Colombia experience

Evaluation of Asthma Control And Treatment Adherence In Asthma Patients
Gülistan Karadeniz (Izmir, Turkey), Sibel Ayik, Tamay Tatlı, Büşra Dincel

**PS-22 Session**
**12:30 - 14:00**

*Poster session: Functional respiratory physiotherapy assessment in respiratory disease*

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

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

**Tag(s):** Clinical

**Chairs:** Annemarie Lee (Melbourne (VIC), Australia), Simone Pancera (Milan, Italy)
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, Heloíse Angelico Pimpão, Larissa Dragonetti Bertin, Gabriela Garcia Krisinki, 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 Krisinki, Heloíse 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 Okumus

Frailty & muscle mass 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, Gokşen Kuran Aslan, Melike Saritas Aslan, Nigar Gulfer Okumus

The Relationship Between Functional Capacity, Muscle Strength and Kinesiophobia in Patients with Idiopathic Pulmonary Fibrosis
BILGE GÖRE (ANKARA, Turkey), Oğuz Karcioglu, 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, Jiyoung 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, Bábará 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. Censo, Juliana M. B. Santos, Rafaela 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
Luis Penailillo (providencia, Chile), Cristian Campos, Sebastian Gutierrez, Denisse Valladares-Ide, Sebastian Jannas-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, Nethrlands), Anouk V. Vaes, Wieteke 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 (İzmir, Turkey), Ilknur Naz Gürsan, Nuray Sarıcaoğlu

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 Resqueti (Natal (RN), Brazil), Natália Cardoso, Ilsa 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, António Mesquita Montes, Rui Vilarinho

**Poster session: Physical activity and exercise in children and adults with respiratory disorders**

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

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

**Tag(s):** Clinical

**Chairs:** Astrid Blondeel (Leuven, Belgium)

<table>
<thead>
<tr>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Patterns of physical activity during pulmonary rehabilitation (PR) in people with COPD</td>
<td>Joshua Bishop (Balmain, Australia), Lissa Spencer, Tiffany Dwyer, Zoe Mckeeough, Amanda Mcanulty, Sonia Cheng, Jennifer Alison</td>
</tr>
<tr>
<td>Determinant factors of sedentary time in individuals with COPD</td>
<td>Fabio De Oliveira Pitta (Londrina, Brazil), Thais M. Tofoli, Lais Santin, Leticia Medeiros, Isabella O. Garcia, Humberto Silva, Carlos A. Camillo, Karina C. Furlanello, Nidia A. Hernandez</td>
</tr>
<tr>
<td>Interventions to promote physical activity and reduce sedentary behaviour in COPD: systematic review of methodologies</td>
<td>Nádia Hipólito (Leiria, Portugal), Sara Pimenta, Jorge Encantado, Joana Cruz</td>
</tr>
<tr>
<td>Change in physical activity outcomes versus global rating of change scale</td>
<td>Astrid Blondeel (Leuven, Belgium), Fien Hermans, Marieke Wuysts, Sofie Breuls, Eric Derom, Wim Janssens, Heleen Demeyer, Thierry Troosters</td>
</tr>
<tr>
<td>Effects of aerobic training versus behavioral intervention to improve clinical control in patients with asthma: a RCT</td>
<td>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</td>
</tr>
<tr>
<td>Is the motivational regulation for exercise associated with disease severity and current exercise capacity after exacerbation of chronic obstructive pulmonary disease (ECOPD)? Preliminary results</td>
<td>Debora Mayumi de Oliveira Kawakami (Sao Carlos, Brazil), Manuela Karloh, Gustavo Henrique Guimarães Araújo, Maria Gabriela Colucci, Valéria Amorim Pires Di Lorenzo, Cleicy Lorrane Fernandes Da Silva, Julia Sallum Mansano, Renata Gonçalves Mendes</td>
</tr>
<tr>
<td>Feasibility of physical activity telecoaching after surgery in patients with NSCLC</td>
<td>Sarah Haesevoets (Diepenbeek, Belgium), Eva Arents, Dries Cops, Kirsten Quadflieg, Fien Hermans, Maarten Criel, David Rutten, Karin Pat, Dieter Stevens, Veerle Surmont, Eric Derom, Chris Burtin, Heleen Demeyer</td>
</tr>
<tr>
<td>The association between the one-minute sit-to-stand test and physical activity in patients with COPD following pulmonary rehabilitation</td>
<td>Paulien Mellaerts (Leuven, Belgium), Heleen Demeyer, Tim Vanhoutte, Astrid Blondeel, Sofie Breuls, Marieke Wuysts, Iris Coosemans, Lode Claes, Nele Vanandenbergh, Kaat Beckers, Stephanie Everaerts, Wim Janssens, Thierry Troosters</td>
</tr>
<tr>
<td>Physical activity and asthma clinical control: how many steps per day are necessary?</td>
<td>Fabiano de Lima (São Paulo, Brazil), David Pinheiro, Juliana Dos Santos, Adriana Lunardi, Joice De Oliveira, Patricia Freitas, Fabiana Kim, Rosana Agondi, Regina Carvalho-Pinto, Karina Furlanello, Celso Carvalho</td>
</tr>
<tr>
<td>More social support for physical activity improves functional capacity in children with cystic fibrosis</td>
<td>Vildan Bayraktaroglu (Istanbul, Turkey), Zeynep Selçuk, Seda Saka, Erkan Çakır</td>
</tr>
<tr>
<td>PR Plus+: Maintenance programmes following Pulmonary Rehabilitation: The patient perspective</td>
<td>Roisin Cahalan (Limerick (Co Limerick), Ireland), Niamh Coffey, Lauren Kennedy, Maire Curran, Brian Fitzgibbon</td>
</tr>
<tr>
<td>Oxygen consumption physical activity and fatigue in patients with pulmonary involvement post-COVID-19: A cross-sectional study</td>
<td>Ece Baytok (Ankara, Turkey), Başak Kavalcı Kol, Nilgün Yılmaz Demirci, Meral Boşnak Güçlü</td>
</tr>
</tbody>
</table>
People post-COVID-19 experience long-term decline in physical activity
Nicola Sante Diciolla (Madrid, Spain), Alda Marques, Ana Jiménez-Martin, 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 Giavina-bianchi, Rosana Agondi, Regina Carvalho-Pinto, Celso Carvalho

Upper extremity exercise capacity muscle oxygenization balance and physical activity in patients with cystic fibrosis
Bettül 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, Letícia Vilas Boas De Oliveira, Sarah Helena Cristina Da Silva Martins, Livia Maria Regio Dos Santos, Giovana Miranda Ribeiro, Carlos Augusto Marçal Camillo, Vinicius Cavalheri, Ercy Mara Cipulo Ramos

Activities of daily living and related factors in patients with severe COPD
Seda Saka (Istanbul, Turkey), Hulya Nilgun 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

PS-5 Session
Poster session: Non-invasive respiratory support for chronic respiratory failure

Disease(s) : Respiratory critical care, Airway diseases, Sleep and breathing disorders
Method(s) : Respiratory intensive care, General respiratory patient care, Pulmonary function testing, Epidemiology, Imaging, Palliative care, Public health
Tag(s) : Clinical
Chairs: Claudia Crimi (Catania (CT), Italy), Sarah Bettina Stanzel (Köln, Germany)

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 Wolschng-Strobel

The long term responsivess 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

Outcomes and quality of life in patients discharged with ventilatory support
Lilia Bouajina (Kairouan, Tunisia), Rania Hidri, Hend Zorgati, Sahar Ben Nasr, Yasri Ben Ali, Dhouha Ben Braiek, Oussama Saadaoui, Kacem Ameni, Iman Kharrat, Anis Maatallah, Rahma Ben Jezia, Jihe Ayachi

Association between phenotype and the S3-NIV Questionnaire in COPD patients on home mechanical ventilation
Ana Mafalda Paiva Pais (Porto, Portugal), Maria João Oliveira, Pedro Viegas, Leonor Roseta, Carla Nogueira, Sara Conde, Paula Pamplona, Carla Ribeiro

Bronchiectasis is associated with a higher risk for acute exacerbations in patients with chronic hypercapnic COPD receiving long-term non-invasive ventilation
Andras Bikov (Budapest, Hungary), Zsófia Lazar, Andrew Chai, Andrew Bentley, Balazs Csoma

Correlation between limb muscle impairment and respiratory function in myotonic dystrophy type I
Roberta Gaeta (Pisa, Italy), Federica Di Giorgi, Miriam De Francesco, Mariapia Niceforo, Lorenzo Fontanelli, Alessandro Celi, Laura Carrozza, Massimiliano Serradori, Marco Gherardi

Therapy compliance in patients with Obesity hypoventilation syndrome combined with non-invasive ventilation
Martine Groot (Brittish, Netherlands), Martine Groot
Survival and treatment trends in ALS patients on home mechanical ventilation over 27 years in Sweden
Andreas Palm (Uppsala, Sweden), Ludger Grote, Jonas Einarroson, Karin Ersson, Eva Lindberg, Mirjam Ljunggren, Josefín Sundh, Malin Svensson, Magnus Ekström, Ingela Nygren

Domiciliary Non-Invasive Ventilation (NIV) program in children: a pilot project
Elia Balestra (Trieste, Italy), Laura Mazzari, Laura Badina, Massimo Maschio, Francesca Peri, Sergio Ghirardo, Alessandro Amaddeo

A simple model for home initiation of Long-term non-invasive ventilation for treatment of respiratory failure in COPD – a Danish clinical experience
Tine Peick Sonne (Copenhagen, Denmark), Caroline Hedsund, Rasmus Rude Laub, Philip Deleuran Thuro, Jon Torgny Wilde

Bronchiectasis in patients with central congenital hypoventilation syndrome (CCHS)
Inès Zaïen (Saint-Germain-en-Laye, France), Chahinaz Abdelouahab, Soumaya Ais, Justine Largeau, Thomas Similowski, Christian Straus, Benjamin Buddyignon, Samia Boussouar, Maxime Patout

The effectiveness, adherence and safety of home high flow nasal cannula in patients with chronic respiratory disease and respiratory insufficiency: a systematic review
Cristina Isabel Oliveira Jácome (Viatodos, Portugal), Marta Jácome, Sara Correia, Inês Flores, Patricia Farinha, Mónica Duarte, João Carlos Winck, Javier Sayas Catalan, Salvador Díaz Lobato, Mancel Luján, Cástia Caneiras

Phenotypes of COPD patients with home mechanical ventilation – are they valid in the Portuguese population?
Ana Mafalda Paiva Pais (Porto, Portugal), Maria João Oliveira, Luisa Castro, Bárbara Seabra, Alexandra Carneiro, Paula Pamplona, Carla Ribeiro

Nasal continuous positive airway pressure for sleep-disordered breathing after stroke: a systematic review
Guilherme Fregonezi (Rio Grande do Norte, Brazil), Rayane Vieira, Jessica Medeiros, Gonzalo Lillo, Luis Vasconcellos-Castillo, Rodrigo Torres-Castro, Vanessa Resqueti, Matias Otto

Predictors for successful non-invasive ventilation in patients with neuralgic amyotrophy and phrenic nerve involvement

Mortality and feasibility of single-limb passive circuit use during home invasive mechanical ventilation: a real-life experience
Letizia Valsecchi (Torino, Italy), Stefania Muggianu, Marco Michele Bardesson, Michela Maria Bellocchia, Chiara Chiappero, Alessio Mattei, Giulia Anna Poggio, Fulvia Ribolla, Rocco Francesco Rinaldo, Giuseppe Tabbia, Paolo Solidoro

COPD patients’ experience with long-term non-invasive ventilation: A qualitative study
Tine Peick Sonne (Copenhagen, Denmark), Caroline Hedsund, Rasmus Rude Laub, Philip Deleuran Thuro, Jon Torgny Wilde

"Negative pressure ventilation"(IAPV) as supplement to NIPPV in diaphragmatic paralysis as interface rotation: Single Center experience
Jacopo Civello (Milan, Italy), Salvatore Longobardi, Sara Bombelli, Chiara Travierso, Michele Chiericozzi, Paolo Tarsia

Neuromuscular Patients Dependent on Non Invasive Mechanical Ventilation: Psychological Factors Influencing Adherence to NIV
Anna Annunziata (Napoli (NA), Italy), Antonietta Coppola, Cecilia Calabrese, Francesca Simioli, Angela Mirizzi, Antonella Marotta, Lidia Atripaldi, Giuseppe Fiorentino

12:45-13:45
INDUSTRY LUNCHTIME SYMPOSIUM
SEE PAGE 1

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

Strauss 3 (Studio)  Session  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 and children and interactive questions/discussion.

Disease(s) : Airway diseases
Method(s) : Pulmonary function testing
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)

C1 (live-streamed)  Session  13:45 - 15:15
Symposium: Pulmonary rehabilitation: global adaptation and implementation
Pulmonary rehabilitation: a global perspective

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 (Edinburgh), United Kingdom), Thomas Gille (Bobigny, France), Jellien Makonga-Braaksma (Woudenberg, Netherlands)

13:45  Detection of chronic respiratory disease and the challenges of disease management in low-to-middle-income countries
Sarah Rylance (Geneva, Switzerland)
<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Speaker(s)</th>
</tr>
</thead>
<tbody>
<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>
</tr>
<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>
</tr>
<tr>
<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>
</tr>
<tr>
<td>14:45</td>
<td>Discussion and Q&amp;A</td>
<td></td>
</tr>
</tbody>
</table>

**A2 (live-streamed) Session 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)

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>13:45</td>
<td>A changing scenario: will we still see advanced lung disease?</td>
<td>Pierre-Régis Burgel (Paris, France)</td>
</tr>
<tr>
<td>14:00</td>
<td>Standards for the care of people with cystic fibrosis: insights from the European Cystic Fibrosis Society update for 2024</td>
<td></td>
</tr>
<tr>
<td>14:15</td>
<td>Tackling health inequalities in the global cystic fibrosis community</td>
<td>Samia Hamouda (Tunis, Tunisia)</td>
</tr>
<tr>
<td>14:30</td>
<td>Acquired cystic fibrosis transmembrane conductance regulator dysfunction in chronic respiratory diseases: a new mechanism to treat?</td>
<td>Marcus Mall (Berlin, Germany)</td>
</tr>
<tr>
<td>14:45</td>
<td>Discussion and Q&amp;A</td>
<td></td>
</tr>
</tbody>
</table>

**C3 (live-streamed) Session 13:45 - 15:15**

**Symposium: Lung cancer screening: considering and acting on developing needs**

**Aims:** To cover the existing situation of lung cancer screening (LCS) in Europe and provide a gap analysis identifying existing needs to be addressed based on the first results of SOLACE (European Respiratory Society-led European Union-funded project), the new pan-European LCS guidelines (to be finalised in the first quarter of 2024), quality standards and quality assurance processes in LCS, and standard operating procedures and service specifications of LCS programmes, with the view to offer practical information for pragmatic implementation and setting-up of LCS programmes in a real clinical setting.

**Disease(s):** Thoracic oncology

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

**Tag(s):** Clinical

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

**Chairs:** Marcello Migliore (Riyadh, Saudi Arabia), Marjolein A. Heuvelmans (Amsterdam, Netherlands)

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>13:45</td>
<td>Lung cancer screening implementation gaps in Europe</td>
<td>Joanna Chorostowska-Wynimko (Warsaw, Poland)</td>
</tr>
<tr>
<td>14:00</td>
<td>Pan-European guidelines for lung cancer screening: does one size fit all?</td>
<td>Torsten Gerriet Blum (Berlin, Germany)</td>
</tr>
</tbody>
</table>
### Hot topics: Pediatric asthma 2024: from prevention to transition

**Aims:** Asthma is a life-long condition and the most frequent chronic disease in children. There is increasing evidence for antenatal, genetic and exposure factors influencing not only the course of the disease but also asthma onset. Data from large cohort studies and interventional trials suggest potential for primary prevention of asthma. In addition environmental issues regarding air pollution, substance abuse with cigarettes and other inhaled noxious substances counteract some of the major improvement we have using new therapeutical options. Asthma is a heterogenous disease presenting with different phenotypes and there is a shift of these phenotypes from childhood to adult age. Therefore management strategies may differ between children and adults. Paediatric and adult asthma physicians usually work independently from each other without an overarching strategy to ensure a seamless transition for the patient from childhood to adult asthma.

**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)

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>13:45</td>
<td><strong>Asthma prevention in childhood: where are we 2024</strong></td>
</tr>
<tr>
<td></td>
<td>Bianca Schaub (Munich, Germany)</td>
</tr>
<tr>
<td>14:00</td>
<td><strong>Indoor and outdoor air pollution and its effect over the life span causing asthma</strong></td>
</tr>
<tr>
<td></td>
<td>Jonathan Grigg (London, United Kingdom)</td>
</tr>
<tr>
<td>14:15</td>
<td><strong>Phenotype-based therapy: are pediatric and adult asthma different?</strong></td>
</tr>
<tr>
<td></td>
<td>Erol Gaillard (Leicester, United Kingdom)</td>
</tr>
<tr>
<td>14:30</td>
<td><strong>Challenges of transition from adolescent to adult asthma</strong></td>
</tr>
<tr>
<td></td>
<td>Alexandra Nanzer (London, United Kingdom)</td>
</tr>
<tr>
<td>14:45</td>
<td>Discussion and Q&amp;A</td>
</tr>
</tbody>
</table>
Respiratory medicine meets other disciplines: When systemic rheumatic diseases involve the lungs
A joint EULAR-European Respiratory Society symposium

**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 Sjogren’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 Koulopoulou (London, United Kingdom)

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>13:45</td>
<td>Rheumatic-associated interstitial lung disease: rheumatologist's view</td>
</tr>
<tr>
<td></td>
<td>Anna Maria Hoffmann-Vold (Oslo, Norway)</td>
</tr>
<tr>
<td>14:00</td>
<td>Rheumatic-associated interstitial lung disease: pulmonologist's view</td>
</tr>
<tr>
<td></td>
<td>Michael Kreuter (Mainz, Germany)</td>
</tr>
<tr>
<td>14:15</td>
<td>Bronchiectasis in systemic rheumatic disease: pulmonologist's view</td>
</tr>
<tr>
<td></td>
<td>James D. Chalmers (Dundee (Angus), United Kingdom)</td>
</tr>
<tr>
<td>14:30</td>
<td>Bronchiectasis in systemic rheumatic disease: rheumatologist's view</td>
</tr>
<tr>
<td></td>
<td>Puja Mehta (New Haven, United States)</td>
</tr>
<tr>
<td>14:45</td>
<td>Discussion and Q&amp;A</td>
</tr>
</tbody>
</table>

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)

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>13:45</td>
<td>Eosinophilic airway inflammation</td>
</tr>
<tr>
<td></td>
<td>Alexander Mathioudakis (Manchester, United Kingdom)</td>
</tr>
<tr>
<td>14:00</td>
<td>Bacterial, viral and fungal infections</td>
</tr>
<tr>
<td></td>
<td>Sanjay Haresh Chotirmall (Singapore, Singapore)</td>
</tr>
<tr>
<td>14:15</td>
<td>Extrapulmonary treatable traits: prevalence, burden and undertreatment</td>
</tr>
<tr>
<td></td>
<td>Lowie Vanfleteren (Göteborg, Sweden)</td>
</tr>
<tr>
<td>14:30</td>
<td>Recognising treatable traits and including them in the model of care for a personalised approach to airway diseases</td>
</tr>
<tr>
<td></td>
<td>Vanessa M. McDonald (Newcastle (NSW), Australia)</td>
</tr>
<tr>
<td>14:45</td>
<td>Discussion and Q&amp;A</td>
</tr>
</tbody>
</table>

14:00-14:45
**INDUSTRY SKILLS LAB WORKSHOP**

SEE PAGE 1
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 Padihla (Porto, Portugal), Rui Pedro Marques da Silva (Sobreira – Paredes, Portugal)

**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

**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

**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

**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

**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 Padihla

**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 Moul, Dereth Baker, Mart Carmen Portillo, Chris Salisbury, Rachel Johnson

**Partnership delivery of symptom management at a UK ILD centre**
Carmine Ruggiero (Oxford, United Kingdom), Karen Parsons, Shakila Hussain, Paula Johnson, Emily Fraser, Ling-Wei Ho, Peter Saunders, Rachel Hoyles

**Which adult asthmatics receive patient education in Sweden?**
Malin Axelsson (Malmö, Sweden), Maria Ödling, Stina Selberg, Therese Sterner, Caroline Stridsman

**Do pulmonary rehabilitation’ participants become more active? A quasi-experimental study based on a 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 Padihla

Discussion and Q&A

---

**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

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

**Nightly variation in OSA severity and next day blood pressure**
Bastien Lechat (Adelaide, Australia), 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 Henriquez-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 Kerfourn, 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
CPAP effect on energy balance, chronotype, hormone, and body composition: a randomized controlled trial
Pei-Lin Lee (Taipei, Taiwan), Meng-Yueh Chien, Shang-Ru Lai, Joshua J. Gooley, Hsin-Chun Feng, Shih-Kuo Chen, Ming-Tzer Lin, Yung-Hsuan Chen, Hung-Chih Chiu, Po-Kang Liu, Bo-Wen Ku, Su-Mei Wang, Chin-Hao Chang, Wei-Shiung Yang, Chong-Jen Yu
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, Tülay Yucel-Lindberg
Discussion and Q&A
RTN3 interacting with CRTH2 regulates collagen biosynthesis and profibrotic macrophage differentiation to promote pulmonary fibrosis
Liang-Liang Fan (Changsha, China), Lv Liu, Hong Luo, Hong Peng

Defining CAR-dependent mechanosensing in chronic lung inflammation
Naheem Yaqub (London, United Kingdom), Elena Ortiz Zapater, George Santis, Sam Janes, Maddy Parsons

βENaC-transgenic mice are a model for cystic fibrosis-like lung disease and early bronchiectasis
Sanja Blaskovic (Bern, Switzerland), Pinelopi Anagnostopouli, Dea Aaldijk, Florian Kronig, Elena Borisova, Dominik Schitten, Zhe Zhou-Suckow, Christian M. Schlepütz, Marco Stampian, Marcus A. Mall, Johannes C. Schitten

Identification of α- and β- adrenergic agonists inducing CFTR-independent fluid secretion in nasal airway organoids under IL-4 Inflammatory Conditions
Gimano Amatngalim (Utrecht, Netherlands), Lisa Rodenburg, Cornelis Van Der Ent, Jeffrey Beekman

Discussion and Q&A
Disease(s) : Interstitial lung diseases, Airway diseases
Method(s) : Imaging
Tag(s) : Clinical
Chairs : Ádám Domonkos Tárnoki (Budapest, Hungary), Helmut Prosch (Wien, Austria)

129Xe magnetic resonance imaging for monitoring lung function and microstructure in patients on treatment for progressive fibrosing interstitial lung disease
Agilo Luitger Kern (Hannover, Germany), Andreas Voskrebenzev, Filip Klimše, Isabella Pink, Jonas C. Schupp, Benjamin Seeleger, Marilisa Konietzke, Daniel Peter, Frank Risse, Tobias Welte, Frank Wacker, Jens M. Hohlfeld, Hoen-Oh Shin, Antje Prasse, Jens Vogel-Clausen

A novel approach to non-contrast, free-breathing functional lung MRI to generate dynamic measures of ventilation (V) and perfusion (Q).
Zachary Peggs (Nottingham, United Kingdom), Jonathan Brooke, Susan Francis, Penny Gowland, Charlotte Bolton, Ian Hall

Developing prognostic deep learning models in IPF using OSIC dataset.
Neha Anegondi (South San Francisco, United States), Javid Abderezaei, Qazaleh Mirsharif, Jiahong Ouyang, Claudia Iriondo, Yixuan Zou, Mohammadreza Negahdar, Alexandre Fernandez Coimbra, Laura C Bell

The alterations of pulmonary morphological parameters with aging: an observational study with quantitative computed tomography
Anqi Liu (Beijing, China), Hongyi Wang, Linfeng Xi, Yi Fei 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 Inoue, Keiko Doi, Keita Murakawa, Yoricester Murata, Yoshikazu Yamaji, Toshihito Otani, Kazuma Kawamoto, Naoko Hipaki, Yoshihiro Amano, Mayuka Yamane, Naoya Tanabe, Akhiho 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, Kimihiro Fujimoto, Hiromitsu Sumikawa, Ryoko Egashira, Toru Arai, Yasuhiro Kondoh, Yutaro Nakamura, Atsushi Miyamoto, Keisuke Tomii, Takafumi Suda, Akira Habisawa, Tomohiro Handa, Satoshi Wasamoto, Hiromasa Inoue, Osamu Narumoto, Masato Morita, Yashuhiro Gon, Masaki Fujita, Sadamoto Tasesa, Kazufumi Takamatsu, Hiroyuki Ito, Tomohisa Baba, Toshihiro Nukiwa, Kunihiro Kobayashi, Takashi Ogura

Discussion and Q&A

---

**ERS Congress 2024**
**DETAILED PROGRAMME**
**TUESDAY 10 SEPTEMBER, 2024**

**Strauss 3 (Studio) Session 14:25 - 14:50**
Experts interview: Microplastics: Ubiquitous and Increasing Threat to Lung Health
Method(s) : Epidemiology
Chairs : Sara De Matteis (Milan, Italy), Isabella Annaes Maesano (Montpellier, France)

14:25 Microplastics: Ubiquitous and Increasing Threat to Lung Health
Christopher Carlsten (Vancouver (BC), Canada)

14:40 Discussion and Q&A

---

**Strauss 3 (Studio) Session 15:20 - 16:10**
Skills lab: Woman focused smoking cessation programming
Aims: Creating smoking cessation programs specifically for women can be highly effective, as they address the unique challenges and motivations 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 well-being.

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)

15:20 Introduction
15:25 Clinical scenario: woman of reproductive age who wishes to quit tobacco smoking before conceiving.
   Linnea Hedman (Luleå, Sweden), Sofia Belo Ravara (Covilhã, Portugal)
15:40 Patients’ experiences of tobacco smoking cessation programs: women who made it.
   Siyu Dai (Hangzhou, China)
15:55 Conclusions, discussion and Q&A

Session 15:30 - 17:00
Symposium: Flagellin aerosol therapy as an immunomodulatory adjunct to the antibiotic treatment of drug-resistant bacterial pneumonia
European Union FAIR project session
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 Gramegna (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

Session 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)  

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>15:30</td>
<td>The importance of a dedicated screening in women</td>
<td>Giuseppe Cardillo (Roma (RM), Italy)</td>
</tr>
<tr>
<td>15:45</td>
<td>Differences in the pathology of the lung in men and women with non-small cell lung cancer: do they exist?</td>
<td>Semih Halazeroglu (Istanbul, Turkey)</td>
</tr>
<tr>
<td>16:00</td>
<td>The role of precision medicine and surgery in non-small cell lung cancer in women</td>
<td>Kalliopi Athanassiadi (Athens, Greece)</td>
</tr>
<tr>
<td>16:15</td>
<td>Gender differences in surgical outcomes</td>
<td>Maria Joana Pereira Catarata (Porto, Portugal)</td>
</tr>
<tr>
<td>16:30</td>
<td>Discussion and Q&amp;A</td>
<td></td>
</tr>
</tbody>
</table>

---

**C1 (live-streamed) Session 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.  
**Disease(s):** Airway diseases, Interstitial lung diseases, Paediatric respiratory diseases  
**Method(s):** General respiratory patient care, Pulmonary function testing, Pulmonary rehabilitation  
**Tag(s):** Basic science, Translational, Congress theme: Humans and Machines: getting the balance right  
**Target audience:** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Technical Assistant, Nurse, Paediatrician, Patient, Physician in Pulmonary Training, Physiologist, Respiratory physiotherapist, Respiratory therapist  
**Chairs:** Hilary Pinnock (Edinburgh (Edinburgh), United Kingdom), Thomas Gille (Bobigny, France), Jellien Makonga-Braaksma (Woudenberg, Netherlands)  

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>15:30</td>
<td>Reliability of home spirometry in the follow-up of patients with airways disease</td>
<td>David Drummond (Paris, France)</td>
</tr>
<tr>
<td>15:45</td>
<td>Telemonitoring beyond spirometry</td>
<td>Sabine Zimmermann (München, Germany)</td>
</tr>
<tr>
<td>16:00</td>
<td>Artificial intelligence: a novel clinical diagnostic tool</td>
<td>Renata L. Riha (Edinburgh (Edinburgh), United Kingdom)</td>
</tr>
<tr>
<td>16:15</td>
<td>Interpreting pulmonary function tests using artificial intelligence</td>
<td>Wim Janssens (Leuven, Belgium)</td>
</tr>
<tr>
<td>16:30</td>
<td>Discussion and Q&amp;A</td>
<td></td>
</tr>
</tbody>
</table>

---

**C6 (live-streamed) Session 15:30 - 17:00**

**Hot topics:** Integrated care and novel technologies for ILD  
**How service integration and interoperability can optimise the ILD patients' journey from diagnosis to end of life care?**  
**Aims:** 1. To present an overview of multidisciplinary management in the interstitial lung diseases and explain how technology can improve communication and treatment delivery optimization.  
2. To showcase the impact of integrated clinical model in interstitial lung diseases, and to demonstrate how this can result in favourable outcomes in terms of disease management and diagnostic pathways.  
3. To give an insight into the latest technological advances in the field of AI and Interstitial lung disease and demonstrate how technology can improve diagnosis, disease progression, and better team decision approach for the patients 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)

15:30 Multidisciplinary integrated care for ILD
Francesco Bonella (Essen, Germany)

15:45 Home monitoring for ILD, ready for daily care?
Mariam Naqvi (London, United Kingdom)

16:00 The value of pulmonary rehabilitation in ILD
Heleen Demeyer (Leuven, Belgium)

16:15 The role of artificial intelligence in the ILD-MDT
Helmut Prosch (Wien, Austria)

16:30 Discussion and Q&A

C5 (live-streamed) Session 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
Speaker to be confirmed

16:30 Discussion and Q&A

C2 (live-streamed) Session 15:30 - 17:00
Journal session: ERJ/NEJM joint session
Chairs : James D. Chalmers (Dundee (Angus), United Kingdom), Darren Taichman (Boston, United States)

15:30
15:45
16:00
16:15
16:30 Discussion and Q&A
C4 (live-streamed) Session 15:30 - 17:00
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)

15:30 Case 1 incl. panel discussion and Q&A - Submitter: L. Massari (Italy)
Emer Kelly (Dublin 4, Ireland)

15:52 Case 2 incl. panel discussion and Q&A - Submitter: V. Averjanovaitė (Lithuania)
Omar S. Usmani (London, United Kingdom)

16:14 Case 3 incl. panel discussion and Q&A - Submitter: U. Suyal (India)
Emer Kelly (Dublin 4, Ireland)

16:36 Case 4 incl. panel discussion and Q&A - Submitter: A. A. Nardo (Italy)
Omar S. Usmani (London, United Kingdom)
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, Bhashkar Mukherjee, Luke Howard, Laura Price, Tom Semple, Bhavin Rawal, Stephen J Wort, Colm McCabe

Genetic Insights through Chinese VTE Pedigree Interpretation Using the ACMG Method: Unraveling Potential Genetic Risk Factors
Zhu Zhang (China), Zhaoman Wan, Mingming Su, Haobo Li, Zhenguo Zhai

Discussion and Q&A

Strauss 1 Session 15:45 - 17:00
Oral presentation: New in respiratory intensive care medicine
Disease(s) : Respiratory critical care
Method(s) : Endoscopy and interventional pulmonology Epidemiology General respiratory patient care Respiratory intensive care
Tag(s) : Clinical
Chairs : Christoph Fisser (Regensburg, Germany)

A ML and DL models to predict the Readmission or Death after Discharge from ICU
Da Hye Moon (Chuncheon (Gangwon-do), Republic of Korea), Minkyu Kim, Tae-Hoon Kim, Yeonjeong Heo, Seon-Sook Han, Woo Jin Kim, Seung-Joon Lee, Yoon Kim, Hyun-Soo Choi, Jeongwon Heo

Impact of empirical treatment recommendations of European guidelines for nosocomial pneumonia. A prospective cohort study
Davide Calabretta (Milan, Italy), Catia Cilloniz, Albert Gabarrus, Ana Motos, Flavia Galli, Miquel Ferrer, Laia Fernandez-Barat, Antoni Torres

Survey on Bronchoscopy in Intensive Care Unit
Christoph Fisser (Regensburg, Germany), Ana Cysneiros, Martin-Loeches Ignacio

Impact of mechanical insufflation-exsufflation on success rate of weaning of tracheostomized patients on prolonged mechanical ventilation
Bruno Do Valle Pinheiro (Juiz De Fora (MG), Brazil), Cristiane Bastos-Netto, Rodrigo Souza Vieira, Maycon Moura Reboredo

Automatic classification of patient-ventilator asynchronies with a 1D convolutional neural network: a pilot study
Alessandro Molani (Milano, Italy), Giorgia Bianco, Alessandra Angelucci, Francesca Pennati, Livia Foglia Manzillo, Maurizio Ceconi, Massimiliano Greco, Andrea Aliverti

Impact of ventilatory support modalities and timing of intubation on longitudinal recovery of pulmonary sequelae in critically ill Covid-19 patients
Jessica Gonzalez Gutierrez (Lleida, Spain), Iván D. Benitez, Jordi De Batlle, Sally Santisteve, Maria Aguilà, Gerard Torres, Clara Gort-Paniello, Ana Monclusi-Moix, Esther Gracia-Lavedan, Adrián Ceccato, Ricard Ferrer, Anna Motos, Jordi Riera, Laia Fernández, Rosario Menéndez, José Angel Lorente, Oscar Peñuelas, Dario Garcia, Oriol Roca, Yhivian Peñasco, Pilar Ricart, Maria Cruz Martín Delgado, Luciano Aguilara, Alejandro Rodríguez, Maria Victoria Boado Varela, Felipe Pérez-García, Juan Carlos Pozo-Laderas, Jordi Solé-Violan, Berta Adell-Serrano, Mariana Andrea Novo, José Barberán, Rosario Amaya Villar, David De Gonzalez-Calvo, Antoni Torres, Ferran Roche-Campo, Ferran Barbé

Discussion and Q&A

A3 Session 15:45 - 17:00
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)
Effect of exercise training on functional ability, body composition, and physical activity in community-acquired pneumonia: secondary analysis of a randomised controlled trial
Camilla Koch Ryrsø (Frederiksberg, Denmark), Daniel Faubolt-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
Karina Fieten (Davos, Switzerland), Lianne Ten Have, Linde Nijhof, Lucia Rijssenbeek-Nouwens, Anneke Ten Brinke

Social isolation and loneliness and their associations with physical activity in COPD
Sara Catherine Bittner (London, United Kingdom), Keir E J Philip, Alexis M Perkins, Parris J Williams, Michael I Polkey, Laura Delgado-Ortiz, Dimitrios Megaritis, Joren Buekers, Sarah Koch, Emily Hume, Nikolaos Chynkiamis, Heleen Demeyere, Anja Frei, Henrik Watz, Ioannis Vogiatzis, Thierry Troosters, Judith Garcia-Aymerich, Nicholas S Hopkinson

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 SexualityY: the COSY randomised controlled trial
Kaba Dalla Lana (Wetzikon, Switzerland), Anja Frei, Julia Braun, Thomas Radtke, Milo Puhon, 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
Keisuke Miki (Toyonaka, Japan), Kazuyuki Tsujino, Yuka Nagata, Ryo Kijima, Satoshi Miyamoto, Hisako Hashimoto, Takuro Nii, Takanori Matsuki, Takamasa Kitajima, Mari Miki, Motonori Fukui, Hiroshi Kida

Enhanced diaphragm excursion and exercise tolerance in chronic obstructive pulmonary disease patients through inspiratory muscle training after standardized pulmonary rehabilitation: randomized controlled trial
Msasashi Shiraishi (Osakasayama, Japan), Yuji Higashimoto, Ryuji Sugiyama, Hiroki Mizusawa, Yu Takeda, Masaya Noguchi, Osamu Nishiyama, Ryo Yamazaki, Shintarou Kudo, Tamotsu Kimura, Hisako Matsumoto

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 Ikeuchi, Peter Rassam, Ryo Kozu, Katsuyuki Ichiki, Takeo Jimi, Tetsuya Kawano, Kaori Kato, Toru Tsuda

Discussion and Q&A
Low smoking exposure and development and prognosis of COPD over four decades: A population-based cohort study
Yunus Çolak (Espergærde, Denmark), Anders Løkke, Jacob Louis Marott, Peter Lange, Jørgen Vestbo, Børge Grønne Nordestgaard, Shoaib Afzal

CC16 as a mediator of the effects of preterm birth on airflow limitation and asthma: a longitudinal study from birth to adult life
Nipasiri Voraphani (Tucson, United States), Susanna Klevebro, Gang Wang, Jenny Hallberg, Fredrik Larsson, Petra Um-Bergström, Anna Bergström, Inger Kull, Amber Spangenberg, Tara Carr, Debra Stern, Julie Ledford, Brian Hallmark, Erik Melén, Stefano Guerra

Influence of pregnancy on asthma exacerbation patterns: a UK population-based cohort
Chloe Bloom (London, United Kingdom), Carlos Valencia-Hernandez, Ernie Wong

Trends in the initial treatment of adults with asthma in the Netherlands: a population-based database study
Joana Antão (Aveiro, Portugal), Guilherme Rodrigues, Qichen Deng, Karin Swart, Brenda Baak, Alda Marques, Frits Franssen, Martijn Spruit

Asthma and reproductive outcomes: A Danish nationwide cohort study
Anne Vejen Hansen (København N, Denmark), Kjell E. J. Håkansson, Anders P. Mikkelsen, Zarqa Ali, Anja Pinborg, Øjvind Lidegaard, Charlotte S. Ulrik

Discussion and Q&A

A1  Session  15:45 - 17:00
Science slam: Science slam
Tag(s): Translational
Chairs: Sara Cuevas Ocaña (Nottingham, United Kingdom), Lucia Pinilla (Adelaide, Australia)

Strauss 1  Session  17:15 - 18:45
Assembly members' meeting: Assembly 2: Respiratory intensive care
Chairs: Christian Karagiannidis (Cologne, Germany)

C4 (live-streamed)  Session  17:15 - 18:45
Assembly members' meeting: Assembly 5: Airway diseases, asthma, COPD and chronic cough
Chairs: Apostolos Bossios (Stockholm, Sweden), Florence Schleich (Liège, Belgium)

C5 (live-streamed)  Session  17:15 - 18:45
Assembly members' meeting: Assembly 7: Paediatrics
Chairs: Alexander Möller (Zürich, Switzerland), Refika Hamutcu Ersu (Ottawa, Canada)

C6 (live-streamed)  Session  17:15 - 18:45
Assembly members' meeting: Assembly 12: Interstitial lung diseases
Chairs: Katerina Antoniou (Heraklion, Greece), Michael Kreuter (Mainz, Germany), Marlies S. Wijsenbeek (Rotterdam, Netherlands)

C1 (live-streamed)  Session  17:15 - 18:45
Assembly members' meeting: Assembly 9: Allied respiratory professionals
Chairs: Daniel Langer (Leuven, Belgium), Jellien Makonga-Braaksma (Woudenberg, Netherlands), Chris Burtin (Diepenbeek, Belgium)

C3 (live-streamed)  Session  17:15 - 18:45
Assembly members' meeting: Assembly 11: Thoracic oncology
Chairs: Torsten Gerriet Blum (Berlin, Germany), Najib M. Rahman (ABINGDON, United Kingdom), Georgia Hardavella (Athens, Greece)

A2 (live-streamed)  Session  17:15 - 18:45
Assembly members' meeting: Assembly 10: Respiratory infections
Chairs: Raquel Duarte (Porto, Portugal), Onno Akkerman (Groningen, Netherlands)
ERS Congress 2024

DETAILED PROGRAMME
TUESDAY 10 SEPTEMBER, 2024

A1 Session 17:15 - 18:45
Assembly members' meeting: Assembly 3: Basic and translational sciences
Chairs : H. Irene Heijink (Groningen, Netherlands), Niki L. Reynaert (Maastricht, Netherlands)

A3 Session 17:15 - 18:45
Assembly members' meeting: Assembly 1: Respiratory clinical care and physiology
Chairs : Ioannis Vogiatzis (Blyth, United Kingdom), Frits M.E. Franssen (Maastricht, Netherlands), Guido Vagheggi (Volterra (PI), Italy)

C2 (live-streamed) Session 17:15 - 18:45
Assembly members' meeting: Assembly 4: Sleep disordered breathing
Chairs : Sophia E. Schiza (Heraklion, Greece), Esther Irene Schwarz (Zürich, Switzerland)

Lehar 3 Session 17:15 - 18:45
Assembly members' meeting: Assembly 13: Pulmonary vascular diseases
Chairs : Anton Vonk Noordegraaf (Amsterdam, Netherlands), Olivier Sitbon (Le Kremlin-Bicêtre, France), Harm Jan Bogaard (Amsterdam, Netherlands)

Strauss 2 Session 17:15 - 18:45
Assembly members' meeting: Assembly 6: Epidemiology and environment
Chairs : Ane Johannessen (Bergen, Norway), Rafael E. de la Hoz (New York, United States)

Lehar 1 Session 17:15 - 18:45
Assembly members' meeting: Assembly 14: Clinical techniques, imaging and endoscopy
Chairs : Walter De Wever (Leuven, Belgium), Elżbieta Magdalena Grabczak (Warszawa, Poland)

Lehar 2 Session 17:15 - 18:45
Assembly members' meeting: Assembly 8: Thoracic surgery and transplantation
Chairs : Federica Meloni (Pavia (PV), Italy), Marcello Migliore (Riyadh, Saudi Arabia)
**Wednesday special session: Women’s networking brunch**

**Aims:** This workshop 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.

- **Introduction by ERS leaders**
  - 09:00
  - Monika Gappa (Düsseldorf, Germany), Silke Ryan (Dublin, Ireland), Sara Cuevas Ocaña (Nottingham, United Kingdom), Hilary Pinnock (Edinburgh (Edinburgh), United Kingdom)

- **Ice-breaker**
  - 09:15

- **Keynote speaker**
  - 09:45

- **Panel discussion**
  - 10:15
  - Judith Garcia-Aymerich (Barcelona, Spain), Sara Bonvini (London, United Kingdom), Silke Ryan (Dublin, Ireland), Sara Cuevas Ocaña (Nottingham, United Kingdom), Joanna Chorostowska-Wynimko (Warsaw, Poland)

- **Brunch and networking**
  - 11:15

---

**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 (Frederiksberg, Denmark), Kevin R. Cromar (New York, United States)

- **Current and future air pollution impacts from wildland fires in Europe**
  - 09:00
  - Mikhail Sofiev (Helsinki, Finland)

- **Health impacts from wildland fires: is it the same as air pollution from other sources?**
  - 09:10
  - Cathryn Tonne (Barcelona, Spain), Speaker to be confirmed

- **Brainstorming session: What are the immediate research opportunities available to better assess health impacts from wildland fire pollution?**
  - 09:25
  - Sourangsu Chowdhury (Oslo, Norway), Yuming Guo (Clayton, Australia)

- **Are existing risk communication tools adequate to inform the public and patients of wildland fire exposures, including personal interventions and interactions with high temperatures?**
  - 09:55

- **Policy Discussion: Should ERS have a position on prescribed burning and its potential impacts on health?**
  - 10:05
  - Barbara Hoffmann (Düsseldorf, Germany), Speaker to be confirmed

- **International perspective on how to incorporate health impacts from wildland fires into climate policy and health systems decision-making**
  - 10:20
  - Speaker to be confirmed

- **Discussion and Q&A**
  - 10:35

---

**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
### Strauss 3 (Studio) Session 10:00 - 10:45

#### Pro-Con debate: Should advancing age and comorbidities prevent you from initiating antifibrotic therapy?

**Aims:** The aims of the session are to highlight some of the emerging themes and controversies regarding the early treatment of interstitial lung diseases (ILD). We hope to discuss the common clinical dilemmas and misconception that occur in clinical practice regarding the influence of age and comorbidities on the decision to start anti-inflammatory or antifibrotic treatment. We will also 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

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

**Chairs:** Katerina Antoniou (Heraklion, Greece)

#### 10:00 PRO: I would start antifibrotic therapy in an 80 year old with comorbidities

Nazia Chaudhuri (Limavady, United Kingdom)

#### 10:15 CON: I would not start antifibrotic therapy in an 80 year old with comorbidities

GEORGE MARGARITOPoulos (THESSALONIKI, Greece)

**Discussion and Q&A**

### Lehár 3 Session 10:30 - 12:15

#### 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
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Session</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>11:00</td>
<td>Navigating Complexity: Progress in Multi-Morbidity Care for Cardiopulmonary Wellness</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11:15</td>
<td>Respiratory Policy in Practice: Case Studies of Reforms Enhancing Respiratory Health</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11:30</td>
<td>Team time discussion</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Lehar 1 Session</strong></td>
<td>11:00 - 12:45</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Wednesday special session: Lung health in childhood – a public health approach to preventing lung disease before it starts</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Aims</strong>: 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 will present the evidence base, current actions, and an open floor debate of what more we can do.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Chairs</strong>: Monika Gappa (Düsseldorf, Germany), Zena Powell (Aylesbury, United Kingdom)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11:00</td>
<td>Why is childhood so important for lung health</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Erik Melén (Stockholm, Sweden)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11:15</td>
<td>How can we protect the lungs of young people</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Marielle W.H. Pijnenburg (Rotterdam, Netherlands)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11:30</td>
<td>What is being done in Vienna/Austria</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11:45</td>
<td>How can we make change and engage with youth – examples from ongoing projects (FRESHAIR4LIFE; HLIL4schools; ACACIA; Freedom to Breathe campaign)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Paola Pierucci (Bari, Italy), Jonathan Grigg (London, United Kingdom), Achiri Elvis Ndikum (Yaounde, Cameroon), Rianne van der Kleij (Leiden, Netherlands)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12:15</td>
<td>Discussion and Q&amp;A</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Strauss 3 (Studio) Session</strong></td>
<td>11:15 - 11:40</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Experts interview: Digital Innovations in Tuberculosis Control: Transforming Healthcare with Technology</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Disease(s)</strong>: Respiratory infections</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Tag(s)</strong>: Congress theme: Humans and Machines: getting the balance right</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Chairs</strong>: Hilary Pinnock (Edinburgh (Edinburgh), United Kingdom), Nicolas Roche (Paris, France)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11:15</td>
<td>Digital Innovations in Tuberculosis Control: Transforming Healthcare with Technology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11:30</td>
<td>Discussion and Q&amp;A</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Strauss 3 (Studio) Session</strong></td>
<td>11:40 - 12:05</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Experts interview: Global Lung Function Initiative reference values for exhaled nitric oxide fraction (FENO5)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Method(s)</strong>: Pulmonary function testing</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Chairs</strong>: Hilary Pinnock (Edinburgh (Edinburgh), United Kingdom), Nicolas Roche (Paris, France)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11:40</td>
<td>Global Lung Function Initiative reference values for exhaled nitric oxide fraction (FENO5)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Marieann Högman (Uppsala, Sweden)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11:55</td>
<td>Discussion and Q&amp;A</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Strauss 3 (Studio) Session</strong></td>
<td>12:05 - 12:20</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>News from the studio: Congress wrap-up</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Chairs</strong>: Hilary Pinnock (Edinburgh (Edinburgh), United Kingdom), Nicolas Roche (Paris, France)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Lehar 2 Session 08:00 - 08:45
**Industry Skills Lab Workshop: Aerosol Drug Delivery – How to Support the Respiratory Patient Journey**  
*Organised by Aerogen*  
**Chairs:** Claus Vogelmeier (Marburg, Germany)

- **08:00**

### Lehar 1 Session 08:00 - 08:45
**Industry Skills Lab Workshop: Improving Bronchoscopy and Thoracic Surgery: Planning software analysis to aide Bronchoscopic Diagnosis and Surgical Resection.**  
*Organised by FUJIFILM*  

- **08:00**

### Lehar 2 Session 10:30 - 11:15
**Industry Skills Lab Workshop: Importance of connectivity in managing home sleep and ventilation patients – adults and pediatrics**  
*Organised by Philips*  
**Chairs:** Jennifer Mattingley

- **10:30**  
  - Alessandro Amaddeo (Trieste, Italy)

- **10:48**  
  - Maxime Patout (Paris, France)

### Lehar 1 Session 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)

- **10:30**  
  - When patients have low adherence to therapy  
  - Holger Woehrle (Ulm, Germany)

- **10:50**  
  - When patients have comorbid insomnia  
  - Christoph Schöbel (Essen, Germany)

### Strauss 1 Session 12:45 - 13:45
**Industry Lunchtime Symposium: Bronchiectasis Exacerbations - Are We Doing Everything We Can?**  
*Organised by Insmed*  
**Chairs:** Eva Polverino (Barcelona, Spain)

- **12:45**  
  - Introduction and Objectives  
  - Eva Polverino (Barcelona, Spain)

- **12:50**  
  - Why are Bronchiectasis Exacerbations Significant?How does Inflammation Drive Bronchiectasis Exacerbations?  
  - Pieter Goeminne (Bornem, Belgium)

- **13:05**  
  - Understanding the Impact of Bronchiectasis Exacerbations on Patients and Current Management Strategies  
  - Michal Steinberg (Haifa, Israel)

- **13:20**  
  - Emerging Therapeutic Approaches for the Prevention of Bronchiectasis Exacerbations  
  - Pamela J. McShane (Tyler, United States)
### A1 Session 12:45 - 13:45

**Panel Discussion and Q&A**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>13:35</td>
<td>Panel Discussion and Q&amp;A</td>
<td></td>
</tr>
<tr>
<td>13:40</td>
<td>Close</td>
<td>Eva Polverino (Barcelona, Spain)</td>
</tr>
</tbody>
</table>

**Industry Lunchtime Symposium: Changing PAH patients’ lives: Making the difference with shared decision-making from diagnosis**

*Organised by Johnson & Johnson*

**Chairs:** Silvia Ulrich (Zurich, Switzerland), Horst Olschewski (Graz, Austria)

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>12:45</td>
<td>Welcome and introduction</td>
<td>Silvia Ulrich (Zurich, Switzerland)</td>
</tr>
<tr>
<td>12:50</td>
<td>Patient Perspective</td>
<td>Eva Otter (Vienna, Austria)</td>
</tr>
<tr>
<td>13:00</td>
<td>Patient Perspective Q&amp;A</td>
<td>Silvia Ulrich (Zurich, Switzerland), Horst Olschewski (Graz, Austria), Speaker to be confirmed</td>
</tr>
<tr>
<td>13:05</td>
<td>How to change the course of PAH</td>
<td>Michele D'Alto (Napoli (NA), Italy)</td>
</tr>
<tr>
<td>13:20</td>
<td>How to stay on course in PAH</td>
<td>Hans Klose (Hamburg, Germany)</td>
</tr>
<tr>
<td>13:35</td>
<td>Panel discussion with audience Q&amp;A</td>
<td>Silvia Ulrich (Zurich, Switzerland), Horst Olschewski (Graz, Austria), Michele D'Alto (Napoli (NA), Italy), Hans Klose (Hamburg, Germany)</td>
</tr>
<tr>
<td>13:40</td>
<td>Closing remarks</td>
<td>Horst Olschewski (Graz, Austria)</td>
</tr>
</tbody>
</table>

### Lehar 3 Session 12:45 - 13:45

**Industry Lunchtime Symposium: It Takes A Village: Driving Change for RSV Prevention and Respiratory Health in Adults**

*Organised by Moderna*

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>12:45</td>
<td>Welcome and Introduction</td>
<td>Grant Waterer (Perth (WA), Australia)</td>
</tr>
<tr>
<td>12:50</td>
<td>Respiratory Outcomes following RSV Infection in Adults</td>
<td>Alberto Papi (Cona, Ferrara, Italy)</td>
</tr>
<tr>
<td>13:05</td>
<td>Innovations in RSV Prevention for Respiratory Health</td>
<td>Edward Walsh (Rochester, United States)</td>
</tr>
<tr>
<td>13:20</td>
<td>Perspectives on Multidisciplinary Care for RSV Prevention</td>
<td>Martina Prelog (Wuerzburg, Germany)</td>
</tr>
<tr>
<td>13:35</td>
<td>Closing Remarks and Q&amp;A</td>
<td></td>
</tr>
</tbody>
</table>

### Strauss 2 Session 12:45 - 13:45

**Industry Lunchtime Symposium: The Hidden Burden of Asthma: Can Novel Pathways Innovate Asthma Care?**

*Organised by Sanofi*

**Chairs:** Guy Brusselle (Ghent, Belgium)

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>12:45</td>
<td>Opening Remarks</td>
<td>Guy Brusselle (Ghent, Belgium)</td>
</tr>
<tr>
<td>12:55</td>
<td>Understanding the Hidden Burden of Disease in Asthma</td>
<td>Monica Kraft (New York, United States)</td>
</tr>
</tbody>
</table>
Lehar 2 Session 14:00 - 14:45

Industry Skills Lab Workshop: Exploring Advanced Techniques: Peripheral Bronchoscopic Lung Biopsy with Mini-Probe and Navigation Planning
Organised by FUJIFILM

14:00

14:18

14:36

14:54

Lehar 1 Session 14:00 - 14:45

Industry Skills Lab Workshop: Application of Oscillometry in daily practice – current clinical applications and research
Organised by GANSHORN Medizin Electronic GmbH

14:00

14:36

14:54

Lehar 2 Session 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)

15:30 Aisling McGowan (Dublin 15, Ireland)

Lehar 1 Session 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)

15:30 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)

15:50 Exploring alternative study designs in OSA
Jean-Louis Pépin (Grenoble, France)

C5 (live-streamed) Session 17:30 - 19:00

Industry evening symposium: PPF: Progress over PerFection
Organised by Boehringer Ingelheim International GmbH
Chairs: Marlies S. Wijsenbeek (Rotterdam, Netherlands)

17:30 Introduction
Marlies S. Wijsenbeek (Rotterdam, Netherlands)
17:35  What is progressive pulmonary fibrosis (PPF)?
Marlies S. Wijsenbeek (Rotterdam, Netherlands)

17:45  What have real-world data taught us about PPF?
Kevin R. Flaherty (Pinckney, United States)

18:00  Management of PPF: patient case studies
Marlies S. Wijsenbeek (Rotterdam, Netherlands), Vanessa Smith (Ghent, Belgium), Helmut Prosch (Wien, Austria)

18:30  PPF: where might the future take us?
Toby M Maher (Los Angeles, United States)

18:45  Questions and answers
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)

Lehar 1  Session  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)

17:35  Navigating severe acquired pneumonia: Strategies for effective treatment
Ignacio Martin-Loeches (Dublin, Ireland)

17:55  Markers of inflammation, mirrors of disease: Shining light on bronchiectasis
Eva Polverino (Barcelona, Spain)

18:15  Exploring co-morbidities and exacerbations in COPD and AATD: Gender matters
Franziska Trudzinski (Heidelberg, Germany)

18:35  Charting the course: Learnings from AATD registry studies
Noel Gerard McElvaney (Dublin, Ireland)

18:50  Final discussion and summary
Noel Gerard McElvaney (Dublin, Ireland)

18:55  ALTA awards ceremony and closing
Marion Trautmann (Frankfurt am Main, Germany), Noel Gerard McElvaney (Dublin, Ireland)

17:30  Welcome and introduction
Noel Gerard McElvaney (Dublin, Ireland), Eva Polverino (Barcelona, Spain)

Lehar 2  Session  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)

17:30  Introduction led by Brian Robinson
Brian Robinson (Langhorne, United States)

17:40  Pathophysiology of Pulmonary Alveolar Proteinosis
Cormac McCarthy (Dublin 4, Ireland)

18:00  Diagnosis of Pulmonary Alveolar Proteinosis
Elisabeth Bendstrup (Aarhus N, Denmark)

18:20  Management of Pulmonary Alveolar Proteinosis
Francesco Bonella (Essen, Germany)

18:40  Question & Answer led by Brian Robinson
Cormac McCarthy (Dublin 4, Ireland), Francesco Bonella (Essen, Germany), Elisabeth Bendstrup (Aarhus N, Denmark)
**Lehar 3**  
**Session**  
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)  

- **07:30** Welcome  
  Leonard Bacharier (Nashville, United States)  

- **07:35** Real-World Patient Case – Introduction  
  Leonard Bacharier (Nashville, United States)  

- **07:45** Panel Discussion: What Might Be Required for On-Therapy Remission in Pediatric Severe Asthma?  

- **07:55** How Can Biologics Help Achieve Clinical Remission in Children With Severe Asthma?  
  Sharon Dell (Vancouver, British Columbia, Canada)  

- **08:15** Real-World Patient Case – Follow Up  
  Leonard Bacharier (Nashville, United States)  

- **08:20** Audience Q&A  

---

**Lehar 1**  
**Session**  
08:00 - 08:45  
Industry Skills Lab Workshop: Enhancing Patient Outcomes with G3 Series CPAP / BPAP and PAP Link Digita Health Solution  
*Organised by BMC Medical Co.Ltd.*  
*Chairs:* Ludovic Abuaf  

- **08:00**  
  Julien Favier  

---

**Lehar 2**  
**Session**  
08:00 - 08:45  
Industry Skills Lab Workshop: Application of Oscillometry in daily practice – current clinical applications and research  
*Organised by INOGEN*  

- **08:00**  
- **08:18**  
- **08:36**  
- **08:54**  

---

**Lehar 1**  
**Session**  
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)  

- **10:30** Home HFT's role and benefits in optimising management of COPD  
  Annalisa Carlucci (San Donato Milanese (MI), Italy)  

- **10:50** Home NIV's role and benefits in optimising management of COPD  
  Maxime Patout (Paris, France)  

---

**Lehar 2**  
**Session**  
10:30 - 11:15  
*Organised by Fisher & Paykel Healthcare*  

- **10:30**
<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Organiser</th>
<th>Chairs</th>
</tr>
</thead>
<tbody>
<tr>
<td>12:15</td>
<td>Industry Lunchtime Symposium: Breathing in Harmony: Tailoring Treatment for COPD and Asthma</td>
<td>Menarini Group</td>
<td>Bernd Lamprecht (Linz, Austria)</td>
</tr>
<tr>
<td>12:15</td>
<td>Introduction</td>
<td>Paola Rogliani (Roma (RM), Italy)</td>
<td></td>
</tr>
<tr>
<td>12:20</td>
<td>Inhaled Bronchodilators: the dual approach to COPD treatment</td>
<td>Claus Vogelmeier (Marburg, Germany)</td>
<td></td>
</tr>
<tr>
<td>12:35</td>
<td>Triple Therapy in COPD/ When and How?</td>
<td>Dave Singh (Manchester, United Kingdom)</td>
<td></td>
</tr>
<tr>
<td>12:50</td>
<td>How to choose the right ICS/LABA in Asthma?</td>
<td>Bernd Lamprecht (Linz, Austria)</td>
<td></td>
</tr>
<tr>
<td>13:05</td>
<td>Q&amp;A</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Organiser</th>
<th>Chairs</th>
</tr>
</thead>
<tbody>
<tr>
<td>12:15</td>
<td>Industry Lunchtime Symposium: Optimizing Pneumococcal Disease Prevention By Considering Adult Population Needs</td>
<td>MSD</td>
<td>Günter Weiss (Innsbruck, Austria)</td>
</tr>
<tr>
<td>12:15</td>
<td>Welcome and introduction by chair</td>
<td>Günter Weiss (Innsbruck, Austria)</td>
<td></td>
</tr>
<tr>
<td>12:20</td>
<td>Unique serotype epidemiology of adult pneumococcal disease</td>
<td>Mário Ramirez (Lisbon, Portugal)</td>
<td></td>
</tr>
<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>
<td></td>
</tr>
<tr>
<td>12:50</td>
<td>Designing an adult-specific pneumococcal vaccine</td>
<td>Vinita Jagannath (, Switzerland)</td>
<td></td>
</tr>
<tr>
<td>13:05</td>
<td>Question and Answers</td>
<td>Günter Weiss (Innsbruck, Austria)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Organiser</th>
<th>Chairs</th>
</tr>
</thead>
<tbody>
<tr>
<td>12:15</td>
<td>Industry Lunchtime Symposium: A Breath of Fresh Air: A Greater Understanding of COPD With Type 2 Inflammation</td>
<td>Sanofi Regeneron</td>
<td>Henrik Watz (Großhansdorf, Germany)</td>
</tr>
<tr>
<td>12:15</td>
<td>Welcome and Introductions</td>
<td>Henrik Watz (Großhansdorf, Germany)</td>
<td></td>
</tr>
<tr>
<td>12:20</td>
<td>Living With COPD: Linking Inflammation With Patient Burden</td>
<td>Henrik Watz (Großhansdorf, Germany)</td>
<td></td>
</tr>
<tr>
<td>12:30</td>
<td>Unraveling the Role of Type 2 Inflammation in COPD</td>
<td>Mona Batadhel (London, United Kingdom)</td>
<td></td>
</tr>
<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></td>
</tr>
</tbody>
</table>
### Strauss 2 Session 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)

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
<th>Speakers</th>
</tr>
</thead>
<tbody>
<tr>
<td>12:45</td>
<td><strong>Opening remarks</strong></td>
<td>Alvar Agusti Garcia-Navarro (Barcelona, Spain)</td>
</tr>
<tr>
<td>12:50</td>
<td><strong>Transforming our approach to exacerbations: patient and HCP perspectives</strong></td>
<td>Alvar Agusti Garcia-Navarro (Barcelona, Spain), Peter Deussen (, United Kingdom)</td>
</tr>
<tr>
<td>13:05</td>
<td><strong>The alarmin pathway: ST2eering a course through the science</strong></td>
<td>Jadwiga Wedzicha (London, United Kingdom)</td>
</tr>
<tr>
<td>13:20</td>
<td><strong>The clinical trial landscape in COPD: extending the reach of biologics</strong></td>
<td>Fernando J. Martinez (New York, United States)</td>
</tr>
<tr>
<td>13:35</td>
<td><strong>Q&amp;A and closing remarks</strong></td>
<td>Alvar Agusti Garcia-Navarro (Barcelona, Spain), Jadwiga Wedzicha (London, United Kingdom), Fernando J. Martinez (New York, United States)</td>
</tr>
</tbody>
</table>

### Lehar 1 Session 14:00 - 14:45

**Industry Skills Lab Workshop: Unlocking Success in Sleep Therapy: Navigating clinical Cases in CPAP and Servo Ventilation therapies**  
*Organised by Philips*

**Chairs:** Jennifer Mattingley

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
<th>Speakers</th>
</tr>
</thead>
<tbody>
<tr>
<td>14:00</td>
<td><strong>Clinical cases in obstructive sleep apnea</strong></td>
<td>Sara Parsons (Surrey, United Kingdom)</td>
</tr>
<tr>
<td>14:20</td>
<td><strong>Challenges in managing patients on Servo Ventilation therapy</strong></td>
<td>Kristina Zihrel (Ljubljana, Slovenia)</td>
</tr>
</tbody>
</table>

### Lehar 2 Session 14:00 - 14:45

**Industry Skills Lab Workshop: Sputum Management of Muco-Obstructive Diseases: Why and How**  
*Organised by PhysioAssist*

**Chairs:** Claudio Rabec (Lausanne, Switzerland)

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
<th>Speakers</th>
</tr>
</thead>
<tbody>
<tr>
<td>14:00</td>
<td><strong>Chair Introduction</strong></td>
<td></td>
</tr>
<tr>
<td>14:05</td>
<td><strong>Sputum Clearance: why a pilar treatment?</strong></td>
<td>TBD TBD</td>
</tr>
<tr>
<td>14:15</td>
<td><strong>Simeox clinical case in hospitalized patient</strong></td>
<td>TBD TBD</td>
</tr>
<tr>
<td>14:25</td>
<td><strong>Simeox clinical case in patients at home</strong></td>
<td>Pontus Mertsch (Wolfratshausen, Germany)</td>
</tr>
<tr>
<td>14:35</td>
<td><strong>Simeox airway clearance device Hands-on</strong></td>
<td></td>
</tr>
</tbody>
</table>

### Lehar 1 Session 15:30 - 16:15

**Organised by Fisher & Paykel Healthcare**
Lehar 2 Session 15:30 - 16:15

Industry Skills Lab Workshop: The Impact of Lung Cancer Screening Programs on the Interventional Pulmonology & Bronchoscopy suite
Organised by FUJIFILM

15:30
15:48
16:06
16:24

A2 (live-streamed) Session 17:30 - 19:00

Industry evening symposium: Climate change and air pollution: Interventions to increase adaptation and resiliency in respiratory health
Organised by Haleon
Chairs: Christopher Carlsten (Vancouver (BC), Canada)

17:30 Welcome and introduction
Dave Hill (Nyon, Switzerland), Christopher Carlsten (Vancouver (BC), Canada)

17:35 Climate change as a risk to respiratory health: Status
Christopher Carlsten (Vancouver (BC), Canada)

17:45 Discussion: Importance of behaviour change
Sundeep Santosh Salvi (Pune (Maharashtra), India)

18:05 Discussion: Diet and exercise
Kian Fan Chung (London, United Kingdom)

18:25 Discussion: Antioxidants and anti-inflammatories
Gary Wong (Shatin, Hong Kong)

18:45 Audience live Q&A
Christopher Carlsten (Vancouver (BC), Canada), Sundeep Santosh Salvi (Pune (Maharashtra), India), Kian Fan Chung (London, United Kingdom), Gary Wong (Shatin, Hong Kong)

18:55 Summary and close
Christopher Carlsten (Vancouver (BC), Canada)

C1 (live-streamed) Session 17:30 - 19:00

Industry evening symposium: Airway Remodeling: A Permanent or Transitory Consequence in Severe Asthma Patients?
Organised by Sanofi Regeneron
Chairs: Klaus F. Rabe (Kiel, Germany)

17:30 Welcome
Klaus F. Rabe (Kiel, Germany)

17:35 Pathophysiologic Mechanisms of Airway Remodeling in Severe Asthma
Celeste Michala Porsbjerg (Copenhagen, Denmark)

17:55 View From the Clinic: What Are the Clinical Consequences of Airway Remodeling?
Klaus F. Rabe (Kiel, Germany)

18:15 Can Biologics Reverse Airway Remodeling?
Mario Castro (Kansas City, United States)

18:35 Fireside Chat: What Is the Potential for Disease Modification in the Era of Biologics?

18:50 Q&A
Lehar 2  
**Session 17:30 - 19:00**

**Industry evening mini symposium: Emerging diagnostic and therapeutic concepts for inflammation in rare lung diseases**  
*Organised by CSL Behring GmbH*  
**Chairs:** Georg-Christian Funk (Wien, Austria), Eva Polverino (Barcelona, Spain)

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>17:30</td>
<td>Welcome</td>
</tr>
<tr>
<td>17:35</td>
<td>Clinical aspects and diagnostic of bronchiectasis</td>
</tr>
<tr>
<td></td>
<td>Franziska Trudzinski (Heidelberg, Germany)</td>
</tr>
<tr>
<td>17:45</td>
<td>Bronchiectasis: State of the art</td>
</tr>
<tr>
<td></td>
<td>Eva Polverino (Barcelona, Spain)</td>
</tr>
<tr>
<td>17:55</td>
<td>Discussion</td>
</tr>
<tr>
<td>18:10</td>
<td>Bronchiectasis and exacerbations in COPD</td>
</tr>
<tr>
<td></td>
<td>Marc Miravitlles (Barcelona, Spain)</td>
</tr>
<tr>
<td>18:20</td>
<td>Same but different? Bronchiectasis in AATD</td>
</tr>
<tr>
<td></td>
<td>Alice Turner (Birmingham, United Kingdom)</td>
</tr>
<tr>
<td>18:30</td>
<td>Bronchiectasis and exacerbations in IPF</td>
</tr>
<tr>
<td></td>
<td>Luca Richeldi (Rome, Italy)</td>
</tr>
<tr>
<td>18:40</td>
<td>Discussion</td>
</tr>
<tr>
<td>18:55</td>
<td>Summary</td>
</tr>
</tbody>
</table>

Lehar 1  
**Session 17:30 - 19:00**

**Industry evening mini symposium: The Sherlock Holmes Approach to Differential Diagnosis: Exploring Unexplained ILDs**  
*Organised by Sanofi*  

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>17:30</td>
<td>Welcome and introductions</td>
</tr>
<tr>
<td></td>
<td>Marlies S. Wijsenbeek (Rotterdam, Netherlands)</td>
</tr>
<tr>
<td>17:35</td>
<td>An Atypical Adventure in Bavaria</td>
</tr>
<tr>
<td></td>
<td>Jürgen Behr (Uelzen, Germany), Helmut Prosch (Wien, Austria)</td>
</tr>
<tr>
<td>17:55</td>
<td>Holmes Solves a Case of Mistaken Identity</td>
</tr>
<tr>
<td></td>
<td>Raphaël Borie (Paris, France), Helmut Prosch (Wien, Austria)</td>
</tr>
<tr>
<td>18:15</td>
<td>Holmes is Caught in a Lacy Web of Deceit</td>
</tr>
<tr>
<td></td>
<td>Marta Garcia Moyano (Barakaldo, Spain), Helmut Prosch (Wien, Austria)</td>
</tr>
<tr>
<td>18:35</td>
<td>The Adventure of the Speckled Band</td>
</tr>
<tr>
<td></td>
<td>Marlies S. Wijsenbeek (Rotterdam, Netherlands), Helmut Prosch (Wien, Austria)</td>
</tr>
<tr>
<td>18:50</td>
<td>Q&amp;A</td>
</tr>
<tr>
<td>18:55</td>
<td>Concluding remarks</td>
</tr>
<tr>
<td></td>
<td>Marlies S. Wijsenbeek (Rotterdam, Netherlands)</td>
</tr>
</tbody>
</table>
**Lehar 2**

Session 10:30 - 11:15

Organised by Loewenstein Medical

10:30

10:48

11:06

11:24

**C6 (live-streamed)**

Session 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)

12:15 Welcome and introductions

Alyn Morice (Cottingham, United Kingdom)

12:20 Chronic cough overview

Jaclyn Smith (Manchester, United Kingdom)

12:40 Refractory or unexplained chronic cough: Treatment with gefapixant

Lorcan McGarvey (Belfast, United Kingdom)

13:00 Q&A

Lorcan McGarvey (Belfast, United Kingdom), Jaclyn Smith (Manchester, United Kingdom), Alyn Morice (Cottingham, United Kingdom)

**C2 (live-streamed)**

Session 12:15 - 13:15

Industry Lunchtime Symposium: Targeting IL-33 in COPD: Exploring New Frontiers for COPD Management

Organised by Sanofi Regeneron

Chairs: Henrik Watz (Großhansdorf, Germany)

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

**Strauss 1**

Session 12:45 - 13:45

Industry Lunchtime Symposium: New Trial-Based Advances For Optimizing Outcomes in MAC Pulmonary Disease

Organised by Insmed

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

Christoph Lange (Borstel, Germany)
<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Presenter(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>12:55</td>
<td>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</td>
<td>Stefano Aliberti (Milano (MI), Italy)</td>
</tr>
<tr>
<td>13:10</td>
<td>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</td>
<td>David E. Griffith (Denver, United States)</td>
</tr>
<tr>
<td>13:25</td>
<td>Applying New Trial-Based Evidence, Guidelines, and Individualized Approaches to Real World Management for MAC Lung Disease: The Faculty Employ an Interactive Audience Response System (ARS) to Select Antimicrobial Treatment Plans and Optimize Regimen Adherence with Novel Inhaled Antimicrobial Formulations</td>
<td></td>
</tr>
</tbody>
</table>

**Lehar 1 Session 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

14:00  Maxime Patout (Paris, France)

14:18  Claudia Crimi (Catania (CT), Italy)

**Lehar 2 Session 14:00 - 14:45**


*Organised by Erbe Elektromedizin GmbH*

*Chairs:* Felix J.F. Herth (Heidelberg, Germany), Jiayuan Sun (Shanghai, China)

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)
CHAIR AND COORDINATOR INDEX

Name, Session number

A
ABASS N.
ABDO M.
ADAMO G.
ADOCK I.
ADDALA D.
ADEJIMO I.
ADIR Y.
ADNER M.
AFONSO M.
AGUSTI GARCIA-NAVARRO A.
AKKERMAN O.
AL-AHMAD M.
ALCARAZ-SERRANO V.
ALCAZAR NAVARRETE B.
ALEJANDRE ALCAZAR M.
ALAVERTI A.
AMAN J.
AMARAL R.
AMATNGALIM G.
ANATH S.
ANDERSEN Z.
ANNEMA J.
ANNESI MAESANO I.
ANTONIOU K.
ARAÚJO PEREIRA M.
ARDES F.
ATHANASSIALI AD.
AUGUSTO V.
AUIAYE Y.
AXELSON M.
AZEVEDO CARDIM P.
B
BACHARIER L.
BAFAIDH M.
BAILLEIUL S.
BAKAKOS P.
BAKER J.
BAL C.
BALDWIN M.
BALESTRO E.
BANKA R.
BARBIN P.
BARNIG C.
BAYAT S.
BEECH A.
BEGHE B.
BENNET M.
BERGANTINI L.
BERGHAMS T.
BEYDON N.
BHATNAGAR R.
BHOWMICK A.
BIRRU F.
BLAKE T.
BLANCO VICH I.
BLASI F.
BLONDEEL A.
BLUM T.
BLYTH K.
BOGAARD H.
BONDEELLE L.
BONSIGNORE M.
BONTA P.
BONTEN M.
BONVINI S.
BOS S.
BOSSOS A.
BOULCY A.
BOUTOU A.
BOYER L.
BRADICICH M.
BRANSTAHL G.
BREUER O.
BRIGHTLING C.
BRUSSelse G.
BUMBACEA D.
BURGO O.
BURTIN C.
BUSCHULTE K.
BUSH A.
BUTTERY S.
C
CANE J.
CAO B.
CARDILLO G.
CARLSTEN C.
CASTILLO VILEGAS D.
CESTELLI L.
CHAABOUNI M.
CHALMERS J.
CHAMBERS R.
CHARIF F.
CHARPIDOU A.
CHARRIOT J.
CHAUDHURI N.
CHAVANNES N.
CHOROSTOWSKA-WYNIMKO J.
CHOTIRMALL S.
CLIPE A.
COHEN S.
COHEN TODD M.
CONDILFFE R.
CONTOLI M.
COOPER B.
CORDEIRO DA COSTA A.
CÔTÊ A.
COUTURAUD F.
CRAMER C.
CREMONT T.
CREMIN C.
CRINER G.
CROMAK K.
CROMBAG L.
CRUZ J.
CUEVAS OCAÑA S.
CULLIVAN S.
CUNNINGHAM S.
CYSNEIROS A.
D
D. S. TARGA A.
D’ESPINIY R.
DAGLI E.
DAIKNES L.
D’ALESSANDRO M.
DANDANELLI JULAI A.
DAYNES E.
D’CRUZ R.
DE ALMEIDA VICENTE FERREIRA C.
DE JONG C.
DE JONGH F.
DE LA HOZ R.
DE MATTEIS S.
DE PINHO DIAS M.
DE SADELERE L.
DE SOYZA T.
DE WEVER W.
DEAN J.
DEAN K.
DEGANI-COSTA L.
DELCOUX M.
DEMAYER H.
DHUANGNA A.
DIAMANT Z.
DICILLO N.
DILEKTASLI A.
DIVER S.
DOST A.
DRUMMOND D.
DUARTE R.
DUITMAN J.
DUIVERMAN M.
DUMAS O.
E
EBER E.
EGENLAUF B.
ECHSTAEIDT C.
EL HUSSEINI K.
EL-MERHIE N.
ESPINOZA PEREJ E.
EVANS R.
EVERAERTS S.
F
FABBRI L.
FALLET V.
FALLY M.
FALSTER C.
FANTIN A.
FARVER-VESTERGAARD I.
FERNANDES DE CARVALHO C.
FERNANDEZ BARAT L.
FERRAROTTI I.
FERRER MONREAL M.
FILIPPIDIS F.
FINNEY L.
FISHER C.
FLYNN C.
FRANSEN F.
FREEMAN A.
FREITAG N.
FRILLE A.
FROIDURE A.
FUNK G.
FUNKE-CHAMBOUR M.
G
GAGA M.
GAillard E.
GAMARRA F.
GAPPA M.
GARCIA-AYMERICH R.
GASPARI N.
GERCKENS M.
GERSHON A.
GIANNAKOULAS G.
GILLE T.
GLEFSON L.
GODELSKI K.
GOMPPELMANN D.
GONSARD A.
GAZANCA BARCALA F.
GAZANCA BEREMO J.
GOORSENBERG A.
GOOSSENS H.
GOUTAKI M.
GRAIJBIEK.
GRAINGER E.
GRAMEGNA A.
GRANADOS SANTIAGO M.
GREENING N.
GRIGG J.
GROENPOENOFF H.
GHRICHTOL R.
GUECMAMBURE M.
GUIDA G.
GUILLAMAT PRATS R.
GUIOT J.
H
HAGI J.
HALL I.
HAMUTCU ERSU R.
HANSTOCK H.
HARDEVELLA G.
HART N.
HART S.
HAUSPUN N.
HEIJINK H.
HEINZ R.
HELBO SKAARUP S.
HERMANS F.
HERTH F.
HESLOP-MARSHALL K.
HEUVELMANS M.
HIGHAM A.
HINKS T.
HLPAPIC I.
HOEFSLOOT W.
HOFFMANN B.
HOLDEN K.
HORSLEY A.
HOUSEBEN-WILKE S.
HUI I.
HULINA TOMASKOVICI A.
HULL J.
HUMBERT M.
HVIDTFELDT M.
HYNES G.
I
IBRAHIM E.
INAI-ENCE D.
IQBAL B.
ISRAEL-BIET D.
J
JACOME C.
JAKSCH P.
JANSSEN Y.
JARA-PALOMARES L.
JENY F.
JEVNIKAR M.
JOANNE S.
JOHANSSON A.
JONKMAN A.
JOOS G.
JOVANOVIĆ D.
JUSTET A.
K
KAHNET L.
KAINZ K.
KALTSAKAS G.
CAM M.
KANTAS D.
KAPELLOS T.
KARA H.
KARGADAG B.
KARAAGIANNIS C.
KELLY E.
KEWALRAMANI N.
KHTUTSDZE E.
KIELY D.
KLOOSTER K.
KNOX-BROWN B.
KORZIEK V.
KOLEKAR S.
KON O.
KONG L.
KONSTANTYNOVSKA O.
KONTOGIANI K.
KONTOPIDIS D.
KORKALAINEN H.
KOULOPOLIOU M.
KOURANOS V.
KOUROUKI E.
KOUROUNI I.
KOVACS G.
KRAUSS-ETSCHMANN S.
KREUTER M.
KRIVEC U.
KUKU L.
KURMI O.
KWOK W.
L
LADOR F.
LAHUUSSE L.
LAMIA B.
LAMPRICHT B.
LANG C.
LANGER D.
LANONE S.
LAPPERRITE R.
LATIMER L.
LAURSEN C.
LAVIZZARI A.
LAVORINI F.
LE MAO R.
LEE A.
LEHMANN M.
LENFERNENK A.
LEWKO A.
LEWTHWAITE H.
LEX C.
LICHTBLAU M.
LIM C.
LO D.
LÖFFER-RAGG J.
LOMBARDI C.
LOREM N.
LOUKIDES I.
LUPPI F.
LYNCH G.
M
MAES T.
MAGIS-ESCURRA C.
MAGRI T.
MAHENDER H.
MAKONGA-BRAASKMA J.
MAN W.
MANSOURI N.
MARIILLIER M.
MARQUES A.
MARQUES DA SILVA R.
MARTIN C.
MARTIN-LOECHES I.
MASKELL N.
MATHIOUDAKIS A.
MCAULEY H.
MCCARTHY C.
MCDONALD V.
MECLANAYE N.
MCLAUGHLIN A.
MCLAUGHLIN V.
MEGARITIS D.
MEHDI S.
MEINERS S.
# DISCUSSANT INDEX

Name, Session number

<table>
<thead>
<tr>
<th>Name</th>
<th>Session number</th>
</tr>
</thead>
<tbody>
<tr>
<td>AKKERMAN O.</td>
<td>08.07.2024</td>
</tr>
<tr>
<td>BLUM T.</td>
<td>08.07.2024</td>
</tr>
<tr>
<td>COTTIN V.</td>
<td></td>
</tr>
<tr>
<td>CRIMI C.</td>
<td></td>
</tr>
<tr>
<td>DELCROIX M.</td>
<td></td>
</tr>
<tr>
<td>DRUMMOND D.</td>
<td></td>
</tr>
<tr>
<td>FISSER C.</td>
<td></td>
</tr>
<tr>
<td>HARDAVELLA G.</td>
<td></td>
</tr>
<tr>
<td>KELLY E.</td>
<td></td>
</tr>
<tr>
<td>KOVACS G.</td>
<td></td>
</tr>
<tr>
<td>PIJNENBURG M.</td>
<td></td>
</tr>
<tr>
<td>POLVERINO E.</td>
<td></td>
</tr>
<tr>
<td>RIVERA ORTEGA P.</td>
<td></td>
</tr>
<tr>
<td>USMANI O.</td>
<td></td>
</tr>
</tbody>
</table>
SPEAKER INDEX

Name, Presentation number

A
ADDALA D.
ADDY C.
AGÜSTÍ-GARCÍA-NAVARRO A.
AHMED E.
AKKERMANS O.
ALEXANDRE DE OLIVEIRA A.
ALIBERTI S.
ALLEN N.
ALMAGRO P.
AMADDEO A.
AMAN J.
ANDREJAČ K.
ANNEMAA J.
ANNESI MAESANO I.
ARANCIBIA
Hernández F.
ARIZA PROTA M.
ARNARDOTTIR E.
ASCIAK R.
ATHANASSIAKI K.
AU D.
AUGUSTO V.
AZARBARZIN A.
B
BACHARIER L.
BAFAIDHEL M.
BALDWIN D.
BANKA R.
BANOVIĆ N.
BARBE ILLA F.
BARRÉCHEGUIRÉN
Fernández M.
BARTOLOME S.
BEDAWI M.
BEER M.
BEGHÉ B.
BEHR J.
BELO RAVARA S.
BENAZZO A.
BENNIOU S.
BENDIXEN M.
BENDSTRUP E.
BENMARHNIA T.
BERASTEGUI GARCÍA C.
BERTESLEN R.
BERTOLETTI L.
BEYDON N.
BHAKTA N.
BHATNAGAR R.
BIANQUIS C.
BIELICKI J.
BLANCO VICH I.
BLOUET S.
BLUM T.
BLYTH K.
BOLZ-JOHNSON M.
BONELLA F.
BONTA P.
BONTEN M.
BONINI S.
BORJ R.
BOS L.
BOS S.
BOSSIOS A.
BOUCY A.
BOURDIN A.
BOUTOU A.
BRADICHI M.
BRANDSMA J.
BRIGHTLING C.
BROCK J.
BROWN K.
BRUNELLI A.
BRUSSEL G.
BURGEL P.
BUSCHULTE K.
BUTLER C.
BYRNE A.
C
CADRANEL J.
CARDILLO G.
CARLSTEN C.
CARLUCCI A.
CASEY J.
CASINI C.
CASTRO M.
CEMBRERO BONET A.
CHALMERS J.
CHAMBERS R.
CHAN A.
CHAN S.
CHANG A.
CHAUDHURI N.
CHEN W.
CHOROSTOWSKA-WYNIMKO J.
CHITIRMALL S.
CHOW C.
CHOWDHURY S.
CHRISTENSEN T.
CHRISTENSEN S.
CHUNG K.
CIET P.
CLARK T.
CONDILFRE R.
COOK J.
COOPER J.
COTTIN V.
COUTAUDAUD F.
COX N.
CRABBÉ A.
CRAG S.
CRESTANI B.
CRIMI C.
CROMBLAG B.
CROMT S.
CRUZ J.
CUÉVAS OCAÑA S.
CZUPRYSNKA J.
DAI S.
DALTO M.
DANDANELL JUUL A.
DCRUZ R.
DE JONG A.
DE JONGH F.
DE MAN F.
DE MATTEIS S.
DE OLIVEIRA PITTA F.
DE SOMER K.
DE TORRES TAyes J.
DE WEVER W.
DEL WRIGHTSON J.
DELCRIOX M.
DELL S.
DEMIEYER H.
DEMOCLE A.
DENNSTON P.
DERDE L.
DESLÉE G.
DEUSSEN P.
DHARMAGE S.
DILEKTASL I.
DINH-XUAN A.
DORFMI LLER P.
DRES M.
DRUMMOND D.
DURDEN R.
DUJITS L.
DUYERMAN M.
DUNN J.
E
EBER E.
ECHSTAEDT C.
EKSTRÖM M.
ELEHEIKH A.
EPSTEIN S.
EVANS R.
F
FABBI R.
FAJAC I.
FALSEY A.
FALSTER C.
FALZON D.
FANE CANET R.
FARBER D.
FARVER-VESTERGAARD I.
FENNEO L.
FERNANDEZ-CUESTA L.
FERNÁNDEZ-GUISURAGA J.
FERRANTE G.
FERRARI P.
FERRER MONREAL M.
FETTES E.
FISSE R.
FLJELLEGAARD K.
FLAHERTY K.
FLEMMING L.
FLEMMING K.
FLEUREN L.
FLOHR T.
FRANCOIS B.
FRANZUK M.
FRANSEN F.
FRAUENFELDER T.
FROIDURE A.
FUNKE-CHAMBOUR M.
G
GAGA M.
GAILLARD E.
GALIE N.
GAPPA M.
GARCIA G.
GARCIA MOYANO M.
GARCIA-AYMERICH J.
GARCIA-COSIO PIQUERAS F.
GARRIGA GIMPARAU I.
GASPARI N.
GAUDEN G.
GEISSLER E.
GEORGE P.
GERMES G.
GIETZ L.
GIMENO-SANTOS E.
GILESON F.
GIOOECKI R.
GOEMINNE P.
GOLDFARB S.
GOMEZ DE ANTONIO D.
GOMPDMANN D.
GONG M.
GONZALEZ ORTIZ A.
GOPALAN D.
GOTTLIB J.
GRABCKAZ E.
GRAMENGA A.
GRANTON J.
GRIESE M.
GRIFFITH D.
GRIGG J.
GROENEWEGEN A.
GROTE L.
GUILLEMINAULT L.
GUILLO A.
GUO Y.
H
HALAZEROGLU S.
HALIFAX R.
HAMEED A.
HAMOUDA S.
HAMUTCU ERSU R.
HAN M.
HANSEN H.
HARDAVELLA G.
HARPER E.
HART N.
HASSOUN P.
HEDMAN L.
HEINZER R.
HELBO S.
HEMENES A.
HERNDANEZ PADILLA A.
HEROLD S.
HERTH F.
HESSELING A.
HESSELS L.
HESUCEL S.
HEUVELMANS M.
HEUZE-VOURCH N.
HILL D.
HOENIGL M.
HOEPER M.
HOFMANN B.
HOFMANN-VOLD A.
HÖGMAN M.
HOLLAND A.
HOPKINSON N.
HOSTE M.
HUERTA GARCIA A.
HULL J.
HUMBERT M.
HUME E.
HUTCHINSON J.
I
IDZKO M.
INGUL C.
IP B.
IQBAL B.
J
JACOB J.
JACOBS C.
JAGANNATH V.
JAKSCH P.
JANSSENS W.
JELITTO M.
JENKINS G.
JIMÉNEZ CASTRO D.
JOHANNSON K.
JONKMAN M.
JOOS G.
JURKOWSKA R.
K
KADITIS A.
KALLURI M.
KALVERDA K.
KAMINSKY D.
KANTAR A.
KAPELLOS T.
KARRON R.
KATSIOUNOU P.
KELLY E.
KEREM E.
KERPFL-FRONIUS A.
KHOR Y.
KIELY D.
KING G.
KIVASTIK J.
KLOSE H.
KLUGE H.
KONGE L.
KÖNIGSHOF M.
KONSTANTINIDES
KOTITONIANNI K.
KORN S.
KOTATHA S.
KOLOPOULOULOU M.
KOVACS G.
KOZIAK VASAKOVA M.
KRAFT M.
KRANSODEMSKAYA
KREUTER M.
KROSCHIKE J.
KURMI O.
KURUKULAA RATCHY R.
L
LAMBA B.
LAMPRECHT B.
LANG I.
LANGE C.
LANGER D.
LANGS G.
LAUNAY O.
LAURSEN C.
LAVENZIANI P.
LAVIZZARI A.
LAVOIE K.
LAZARUS S.
LEE A.
LEE Y.
LEPPANEN T.
LEUPPI J.
LEVY P.
LEWTHWAITE A.
LIEBTLBAUL M.
LIMA P.
LIU K.
LOCHER C.
LOMBARDI C.
LOMBARDI E.
LOUKIDES S.
LUNDELL S.
M
MADISONNOO E.
MAGIS-ESCURRA C.
MAHEI I.
MAHER T.
MAIER F.
MAITRE B.
MALL M.
MALONEY S.
MANN R.
MANNAPAGADA P.
MANGIAPAN G.
MARCON A.

378
08.07.2024
AUTHOR INDEX

ELFJ.
ELFIDHA S.
EL-HADI S.
EL-HEENY A.
ELIAS F.
ELIAS DE OLIVEIRA M.
ELIAS HERNÁNDEZ T.
ELG C.
ELIZABETE DELLAZARI L.
ELLA N.
ELLEBY JESPERSEN L.
ELLER K.
ELLERMAN L.
ELLEVK C.
ELLIDAG H.
ELLEBY J.
FAGERÅS M.
FADEL E.
FACIOLI DOS REIS F.
FACCIOLO F.
FABRY-VENDRAND C.
FABRE A.
FABOZZI A.
FABBRI L.
FABBIANI L.
F.M. WOUTERS E.
F. VASSE G.
F. RABE K.
F. MACHADO G.
F. KLOOSTERMAN S.
F SANTOS R.
F. D' CRUZ R.
F. EZRO-GRIFFITHS J.
EZPONDA CASAJÚS A.
EZPONDA A.
EZIRCAN A.
EZERSKYTE M.
EYUBOGLU F.
EYRIES M.
EYRE S.
EXPOSITO MONAR, A.
EXARCHOS K.
EXARCHOPOULOU D.
EXARCHOS K.
EXPLAIN STUDY GROUP E.
EXPOSITO MONAR A.
EXPONIL.
ESPÁNOL MONTERO I.
ESPEJO.
ESPEJO CASTELLANOS D.
ESPIGOL-FRIGOLE G.
ESPILDA.
ESPINOZA J.
ESPIA M.
ESME H.
ESNAILT S.
ESPÀNOL I.
ESPÀNOL M.
ESPÀNOL D.
ESPÀNOL MONTERO I.
ESPEJO.
ESPEJO CASTELLANOS D.
ESPIGOL-FRIGOLE G.
ESPILDA.
ESPINOZA J.
ESPIA M.
ESME H.
ESNAILT S.
ESPÀNOL I.
ESPÀNOL M.
ESPÀNOL D.
ESPÀNOL MONTERO I.
ESPEJO.
ESPEJO CASTELLANOS D.
ESPIGOL-FRIGOLE G.
ESPILDA.
ESPINOZA J.
ESPIA M.
ESME H.
ESNAILT S.
ESPÀNOL I.
ESPÀNOL M.
ESPÀNOL D.
ESPÀNOL MONTERO I.
ESPEJO.
ESPEJO CASTELLANOS D.
ESPIGOL-FRIGOLE G.
ESPILDA.
ESPINOZA J.
ESPIA M.
ESME H.
ESNAILT S.
ESPÀNOL I.
ESPÀNOL M.
ESPÀNOL D.
ESPÀNOL MONTERO I.
ESPEJO.
ESPEJO CASTELLANOS D.
ESPIGOL-FRIGOLE G.
ESPILDA.
ESPINOZA J.
ESPIA M.
ESME H.
ESNAILT S.
ESPÀNOL I.
ESPÀNOL M.
ESPÀNOL D.
ESPÀNOL MONTERO I.
ESPEJO.
ESPEJO CASTELLANOS D.
ESPIGOL-FRIGOLE G.
ESPILDA.
ESPINOZA J.
ESPIA M.
ESME H.
ESNAILT S.
AUTHOR INDEX

GRIBB J.
GRIGOLETTO I.
GRIGORAS-ICHIM C.
GRIGOROPoulos I.
GRIGOROPoulos V.
GRIGOROPoulos V.
GRIGORBY-DUFFY L.
GRILLET F.
GRILLO L.
GRILLS T.
GRIMALDI M.
GRIMALDI M.
GRIMBALDESTON M.
GRIME K.
GRIM R.
GRIMMINGER F.
GRIMWOOD K.
GRINE A.
GRINOVERO M.
GRISSTI NG.
GRISSTONI G.
GRISSTONI G.
GRIST J.
GRIZE L.
GRLE POPOVIC S.
GROBERT M.
GROBS Y.
GROCHOWSKA M.
GROEN K.
GROEN M.
GROEN H.
GROEN N.
GROENEN M.
GROEPENHOFF A.
GROEN J.
GRONHAUG G.
GRONNE N.
GRONDE N.
GRØNNE N.
GROV S.
GROM E.
GROMELUND B.
GRONYAD Y.
GROESEHOFF D.
GROS A.
GROSSE H.
GROSS A.
GROSS C.
GROSSI S.
GROSSO A.
GROSSO A.
GROTE L.
GROTH E.
GROTH E.
GROTJOHAN H.
GROTTI F.
GROOT R.
GROZNIK TRATNJEK M.
GRUBER A.
GRUBER A.
GRUBIC N.
GRUDEN D.
GRUDKOY K.
GRUMLEY S.
GRUNEWARD J.
GRUNIG E.
GRÜNLOH C.
GRUSZCYNSKA M.
GRUTTERS J.
GRUTTERS J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
GRZYBOWSKI J.
AUTHOR INDEX

HERNÁNDEZ M.
HELMRATH M.
HELMS S.
HELVES Z.
HEMINGWAY H.
HREMNES A.
HREMNES A.
HEMY N.
HENRIKS J.
HENRIKS J.
HENRIKS R.
HENRIKS R.
HENRIKSSON A.
HENGEL H.
HENKE M.
HENKET M.
HENMAN S.
HENNYAYE C.
HENNEKE I.
HENNEN E.
HENQUT M.
HENRIK W.
HENRIKSEN A.
HENRIQUÉZ M.
HENRIQUÉZ-BELTRAN M.
HENROT P.
HENRY M.
HENSEN S.
HENTATTI A.
HENTATTI O.
HEO J.
HEO S.
HEO Y.
HERAK J.
HERAS A.
HERAUD M.
HERAUD N.
HERBERT W.
HERBERT W.
HERCEG I.
HEREDIA CIÚR I.
HEREDIA CIÚR O.
HERENG F.
HERING T.
HERLOV C.
HERMANN E.
HERMANN F.
HERMANNSSON O.
HERMANS F.
HERMANS G.
HERMIDA-VALVERDE T.
HERMÓGENES DE SOUZA J.
HERNANDEZ N.
HERNANDEZ A.
HERNANDEZ A.
HERNANDEZ F.
HERNANDEZ I.
HERNANDEZ R.
HERNANDEZ ARGUDO M.
HERNÁNDEZ CARRILLO M.
HERNÁNDEZ ESCALANTE J.
HERNÁNDEZ GONZALEZ F.
HERNÁNDEZ GONZALEZ F.
HERNÁNDEZ GUERRA M.
HERNÁNDEZ PÉREZ J.
HERNÁNDEZ PÉREZ J.
HERNÁNDEZ- GONZALEZ F.
HERNÁNDEZ-HERNÁNDEZ S.
HERNÁNDEZ-PACHECO N.
HERNANDO HERNANDO M.
HEROLD S.
HERPEL E.
HERQUELOT E.
HERE C.
HEREMAN A.
HEREERA E.
HEREERA O.
HEREERA CARRASCO K.
HERREERO CORTINA B.
HERREERO-CORTINA B.
HERRIOT F.
HERRON M.
HERSEY S.
HERSH C.
HERTH F.
HERTH F.
HERTH F.
HERTZ M.
HERVÁS MARÍN D.
HERVE C.
HERVIEUX E.
HERZIG J.
HERZIG J.
HERZOG S.
HESLOP C.
HESLOP-MARSHALL K.
HEB M.
HESSE C.
HESSE C.
HESSELSON D.
HESSLINGER C.
HESTIN J.
HESTNES J.
HETHEY T.
HETTICH I.
HETTLE D.
HEZTEL J.
HEUSCHMANN P.
HEUSCHMANN P.
HEUELM C.
HEUSSL C.
HEUVELMANS M.
HEVERHAGEN J.
HEVIA MENENDEZ M.
HEVRONI A.
HEW M.
HEWITT R.
HEWITT R.
HEYCKENDORF J.
HEYCKENDORF J.
HEYDARI G.
HEYDERNER M.
HIGHARWA E.
HIBA B.
HICHLI J.
HICKMAN K.
HICKS A.
HICKS J.
HIDALGO MOLINA A.
HIDALGO-MOLINA A.
HIDAYAT S.
HIDRI O.
HIDRI R.
HIMSTRA A.
HIMSTRA P.
HIMSTRA P.
HIMSTRA P.
HIGAKI N.
HIGASA M.
HIGASHIYAMA Y.
HIGASHINO S.
HIGOS V.
HIGHAM A.
HIGHLAND K.
HIHO S.
HIJKATA M.
HIJ EH A.
HUNEN D.
HILARES VERA J.
HILBERG O.
HILES S.
HILES S.
HILFIKER R.
HILGENDORFF A.
HILL A.
HILL A.
HILL K.
HILL N.
HILL U.
HILLAS G.
HILVERING B.
HIMPE U.
HINCE K.
HIND D.
HINE J.
HINKS T.
HINKS T.
HINKS T.
HINO K.
HINZE C.
HINZPETER A.
HION T.
HIPOLITO N.
HIPPEYNSTEEL J.
HIPPOLYTE S.
HIRABAYASHI R.
HIRAI K.
HIRAI T.
HIRAI T.
HIRAMATSU M.
HIRANI D.
HIRANO N.
HIRANO T.
HIRANO Y.
HIRATA K.
HIRAYAMA R.
HIRECHE K.
HIRONS B.
HIROTA Y.
HIRSCH H.
HIRST R.
HISADA T.
HISATA S.
HITZW.
HIZAL M.
HIZAL M.
HJERRILD ANDREASSON KE.
HJERTAGER KROG N.
HJOR J.
HJORSTDAHL F.
HLEE I.
HLOPHE S.
HO C.
HO C.
HO H.
HO H.
HO J.
HO K.
HO L.
HO M.
HO P.
HO S.
HO T.
HOANG DAI L.
HOBBES B.
HOB.N.
HOCAOGLU C.
HOCHMANN M.
HOCKE A.
HOCOGLU Z.
HODA M.
HODKINSON C.
HODRE J.
HODZHEV V.
HOEFLETER J.
HOEHN A.
HOEIJSMANNERS J.
HOEGERM E.
HOEGERM E.
HOFF E.
HÖFFGEN M.
HOFFMAN E.
HOFFMAN M.
HOFFMAN S.
HOFFMAN- HARINGSMA A.
HOFFMAN A.
HOFFMAN A.
HOFFMAN B.
HOFFMAN E.
HOFFMAN H.
HOFFMAN H.
HOFFMAN-K.
HOFFMAN- VOLD A.
HOFFMAN-VOLD A.
HOFFMAN D.
HOFFMAN P.
HOFSTETTER E.
HOGAN C.
HÖGER P.
HOGG C.
HOGG J.
HOGG J.
HÖGEMAN M.
HOHESY I.
HOHESY I.
HOHESY I.
HOESEN C.
HOFFEN P.
HOFFS S.
HOPKINS C.
HOPKINSON N.
HOPKINSON N.
HOPPENOT D.
HOPPE M.
HOPPON K.
HOPWOOD B.
HORIN G.
HOREDEQUIN L.
HOREAU-LANGLARD D.
HORIE M.
IYOGUCHI T.
HORIMASU Y.
HORIO Y.
HORIO Y.
HORN A.
HORNBERG E.
HORNE R.
HORNER A.
HORNERO R.
HORNERO SANCHEZ R.
HORSLEY A.
HORSLEY A.
HORST C.
HORSTIA S.
HORSTMANN M.
HORSTENSE A.
HORSTON M.
HORVATH A.
HORVATH C.
HORVATH C.
AUTHOR INDEX

LAM J.
LAM J.
LAM J.
LAM K.
LAM S.
LAM W.
LAM Y.
LAM Y.
LAMA S.
LAMATTINA A.
LAMB K.
LAMBERT E.
LAMBERT J.
LAMBERT K.
LAMBERT M.
LAMBERTI R.
LAMBIN P.
LAMBIRI I.
LAMBLIN N.
LAMBRECHT B.
LAMBRECHT B.
LAMBRECHT L.
LAMIA B.
LAMKHIOUED M.
LAMOTE K.
LAMPADAKIS S.
LAMPKI S.
LAMPIDI S.
LAMPRECHT B.
LAMPRINODAUKIS K.
LAN C.
LAN L.
LANARIO J.
LANCASTER H.
LANCELLOTTI D.
LANCHA DOMINGUEZ J.
LAND, VAN-DER V.
LANDERS S.
LANDETA M.
LANDO V.
LANDT E.
LANDTHALER M.
LANE T.
LANFRANCHI F.
LANFRANCHI L.
LANG C.
LANG D.
LANG I.
LANG K.
LANG N.
LANG P.
LANGBALLE E.
LANGE B.
LANGE C.
LANGE P.
LANGE T.
LANGE T.
LANGELLA G.
LANGEN R.
LANGER D.
LANGER F.
LANGFORT R.
LANGHAM S.
LANGHAMMER A.
LANGLANDS L.
LANGLEBEN D.
LANGLEY R.
LANGSTEIN J.
LANGSTER T.
LANG-STÖBERL A.
LANKS C.
LANI A.
LANOIX J.
LANSPA M.
LANTOS A.
LANITO J.
LAORDEN ESCUDERO D.
LAPPERRE T.
LAPPI-BLANCO E.
APUENTE A.
APUENTE M.
ARA B.
ARA GALEGO B.
ARATTA C.
ARBY J.
ARDINOIS D.
ARDNER R.
ARDY H.
ARENAS-LINNEMANN D.
ARDES DOS SANTOS C.
ARGEAU J.
ARI S.
ARIVIEE P.
AROCCA M.
ARRATEGUY S.
ARRIEU E.
ARRUSKAIN A.
ARSEN J.
ARSEN K.
ARSEN T.
ARSON J.
ARSO M.
ARSON J.
ARSON K.
ARSO P.
ARSSON-CALLERFELT A.
ASKY J.
ASMAR A.
ASMER A.
ASSENIUS M.
ASSMANN-KLEE P.
ASSUS A.
AST T.
ASTLÖ N.
ATCHMAN M.
ATIMER L.
ATISENKO R.
ATORRE M.
LATOUILLE E.
LATSHANG T.
LATSIOS D.
LATTI A.
LATZIN P.
LAU C.
LAU E.
LAU E.
LAU G.
LAU K.
LAU L.
LAUBE M.
LAUDIEN M.
LAUDIEN M.
LAGERUD A.
LAURENT L.
LAURIA L.
LAURIDSEN M.
LAURINO L.
LAURITS T.
LAURSEN C.
LAURSEN C.
LAURSEN C.
LATSENS C.
LAUTENSCHLÄGER T.
LAUTSCH D.
LAUWERS E.
LAVELLE G.
LAVERGNE F.
LAVERTY A.
LAVESEN M.
LAVI T.
LAVIN B.
LAVIS P.
LAVOIE G.
LAVOIE K.
LAVON B.
LAVORINI F.
LAW A.
LAW-GLEIN S.
LAWLESS E.
LAWRENCE A.
LAWRENCE R.
LAWRIE A.
LAWS A.
LAWS E.
LAWSON A.
LAWSON C.
LAWTON A.
LAWTON E.
LAWTON BREWER C.
LAX A.
LAYJOVA F.
LÁZAR Z.
Lazaratou A.
Lazaridou A.
Lazarinis N.
LÁZARO L.
Lazarous D.
Lazarus H.
LAZEBNIK T.
LAZOR R.
LAZOVIC B.
LAZZARA V.
LAZZERI M.
LE B.
LE T.
LE BELTER C.
LE BOURDELLES G.
LE BOURDEOIS M.
LE FLOC’HA.
LE FLOC’H A.
LE FLOC’HR-MANDONOU A.
LE GUIA P.
LE GIULLOU F.
LE GIULLOU Y.
LE KHAC B.
LE LIEPVRE S.
LE MOAL G.
LE MOUL A.
LE NAORES C.
LE POIVRE T.
LE ROUX J.
LE ROUX P.
LE ROUZIC O.
LE THI TUYET L.
LE WINTON H.
LEA I.
LEA J.
LEADBETTER J.
LEAL ARRANZ M.
LEANDER J.
LEANZA C.
LEAVER B.
LEBLEU J.
LEBLOND CHAIN J.
LEBOUBI S.
LEBOUVIER T.
LEBRET M.
LEBRIGAND K.
LEBRUN-VIGNE B.
LECCI A.
LECERASE A.
LECUEVRE K.
LECHASSEUR A.
LECHAT B.
LECHOWICZ U.
LECLAIR M.
LECLERC S.
LECLERCQ A.
LEDERER C.
LEDERMÜLLER R.
LEDIFORD J.
LEE A.
LEE A.
LEE A.
LEE A.
LEE A.
LEE C.
LEE C.
LEE C.
LEE C.
LEE C.
LEE C.
LEE C.
LEE H.
LEE H.
LEE H.
LEE H.
LEE J.
LEE J.
LEE J.
LEE J.
LEE J.
LEE J.
LEE J.
LEE J.
LEE J.
LEE J.
LEE J.
LEE J.
LEE K.
LEE K.
LEE K.
LEE K.
LEE K.
LEE K.
LEE K.
LEE L.
LEE L.
LEE M.
LEE M.
LEE M.
LEE P.
LEE P.
LEE P.
LEE P.
LEE P.
LEE S.
LEE S.
LEE S.
LEE S.
LEE S.
LEE S.
LEE S.
LEE W.
LEE W.
LEE W.
LEE Y.
LEE Y.
LEEING D.
LEFEVRE E.
LEFEVRE G.
LEGENDE M.
LEGGERI P.
LEGUEN P.
LEHMANN J.
LEHMANN M.
LEHMANN S.
LEHNERT N.
LEHRER CORIAT E.
LEHTIMÄKI L.
LEHTIMÄKI L.
LEI J.
LEIBER L.
LEICK E.
LEIGH M.
LEIJTEN J.
LEILA D.
LEILA D.
LEINONEN M.
LEIS A.
LEITE A.
LEITE A.
LEITE C.
LEITE ALMEIDA L.
LEITHER L.
LEITI D.
LEITZ D.
LEJEA S.
LEJUNE J.
LEKATSAS G.
LEKKA C.
LEKKA D.
LEKSA V.
LELEU O.
LELIJ M.
LELOUP C.
LEMAIRE R.
LEMAIRE-PAQUETTE S.
LEMASSON B.
LEMAS Y.
LEMCKE T.
LELEMELLE J.
LEMING N.
LEMOS J.
LEMOS L.
LEMOSHAUL N.
LENDIA B.
LENFERINK A.
LENHARD R.
LENI A.
LENNON R.
LEOCCE N.
LEON F.
LEON JIMENEZ A.
LEONARD T.
LEONARDI G.
LEONARDI N.
PAOLI S.
PAONE G.
PAPACIDERO C.
PAPADAKI E.
PAPADOPoulos D.
PAPADOPoulos M.
PAPADOPoulos N.
PAPADOPoulos A.
PAPADOPoulos E.
PAPADOPoulos K.
PAPADOPoulos S.
PAPAGEIOU E.
PAPAGEIOU L.
PAPAGIANNIS D.
PAPAGIANNOPoulos K.
PAPAOANNOU A.
PAPAOANNOU A.
PAPAOANNOU A.
PAPAOANNOU O.
PAPAKONSTANTINIOU E.
PAPAKOSTA D.
PAPALE M.
PAPALEXATOS D.
PAPALLA K.
PAPAZOGLOU E.
PAPPADOPOULOS N.
PAPPADOPOULOS S.
PAPPADOPOULOS D.
PAPPADOPOULOS M.
PAPPADOPOULOS A.
PAPPADOPOULOS E.
PAPPADOPOULOS K.
PAPPADOPOULOS S.
PAPPADOPOULOS A.
PAPPADOPOULOS E.
PAPPADOPOULOS K.
PAPPADOPOULOS S.
PAPPADOPOULOS D.
PAPPADOPOULOS M.
PAPPADOPOULOS A.
PAPPADOPOULOS E.
PAPPADOPOULOS K.
PAPPADOPOULOS S.
PAPPADOPOULOS A.
PAPPADOPOULOS E.
PAPPADOPOULOS K.
PAPPADOPOULOS S.
PAPPADOPOULOS D.
PAPPADOPOULOS M.
PAPPADOPOULOS A.
PAPPADOPOULOS E.
PAPPADOPOULOS K.
PAPPADOPOULOS S.
PAPPADOPOULOS D.
PAPPADOPOULOS M.
PAPPADOPOULOS A.
PAPPADOPOULOS E.
PAPPADOPOULOS K.
PAPPADOPOULOS S.
PAPPADOPOULOS D.
PAPPADOPOULOS M.
PAPPADOPOULOS A.
PAPPADOPOULOS E.
PAPPADOPOULOS K.
PAPPADOPOULOS S.
PAPPADOPOULOS D.
PAPPADOPOULOS M.
PAPPADOPOULOS A.
PAPPADOPOULOS E.
PAPPADOPOULOS K.
PAPPADOPOULOS S.
PAPPADOPOULOS D.
PAPPADOPOULOS M.
PAPPADOPOULOS A.
PAPPADOPOULOS E.
PAPPADOPOULOS K.
PAPPADOPOULOS S.
PAPPADOPOULOS D.
PAPPADOPOULOS M.
PAPPADOPOULOS A.
PAPPADOPOULOS E.
PAPPADOPOULOS K.
PAPPADOPOULOS S.
PAPPADOPOULOS D.
PAPPADOPOULOS M.
PAPPADOPOULOS A.
PAPPADOPOULOS E.
PAPPADOPOULOS K.
PAPPADOPOULOS S.
PAPPADOPOULOS D.
PAPPADOPOULOS M.
PAPPADOPOULOS A.
PAPPADOPOULOS E.
PAPPADOPOULOS K.
PAPPADOPOULOS S.
PAPPADOPOULOS D.
PAPPADOPOULOS M.
PAPPADOPOULOS A.
PAPPADOPOULOS E.
PAPPADOPOULOS K.
PAPPADOPOULOS S.
PAPPADOPOULOS D.
PAPPADOPOULOS M.
PAPPADOPOULOS A.
PAPPADOPOULOS E.
PAPPADOPOULOS K.
PAPPADOPOULOS S.
PAPPADOPOULOS D.
PAPPADOPOULOS M.
PAPPADOPOULOS A.
PAPPADOPOULOS E.
PAPPADOPOULOS K.
PAPPADOPOULOS S.
PAPPADOPOULOS D.
PAPPADOPOULOS M.
PAPPADOPOULOS A.
PAPPADOPOULOS E.
PAPPADOPOULOS K.
PAPPADOPOULOS S.
PAPPADOPOULOS D.
PAPPADOPOULOS M.
PAPPADOPOULOS A.
PAPPADOPOULOS E.
PAPPADOPOULOS K.
PAPPADOPOULOS S.
PAPPADOPOULOS D.
PAPPADOPOULOS M.
PAPPADOPOULOS A.
PAPPADOPOULOS E.
PAPPADOPOULOS K.
PAPPADOPOULOS S.
PAPPADOPOULOS D.
PAPPADOPOULOS M.
PAPPADOPOULOS A.
PAPPADOPOULOS E.
PAPPADOPOULOS K.
PAPPADOPOULOS S.
PAPPADOPOULOS D.
PAPPADOPOULOS M.
PAPPADOPOULOS A.
PAPPADOPOULOS E.
PAPPADOPOULOS K.
PAPPADOPOULOS S.
PAPPADOPOULOS D.
PAPPADOPOULOS M.
PAPPADOPOULOS A.
PAPPADOPOULOS E.
PAPPADOPOULOS K.
PAPPADOPOULOS S.
PAPPADOPOULOS D.
PAPPADOPOULOS M.
PAPPADOPOULOS A.
PAPPADOPOULOS E.
PAPPADOPOULOS K.
PAPPADOPOULOS S.
PAPPADOPOULOS D.
PAPPADOPOULOS M.
PAPPADOPOULOS A.
PAPPADOPOULOS E.
PAPPADOPOULOS K.
PAPPADOPOULOS S.
PAPPADOPOULOS D.
PAPPADOPOULOS M.
PAPPADOPOULOS A.
PAPPADOPOULOS E.
PAPPADOPOULOS K.
PAPPADOPOULOS S.
PAPPADOPOULOS D.
PAPPADOPOULOS M.
PAPPADOPOULOS A.
PAPPADOPOULOS E.
PAPPADOPOULOS K.
PAPPADOPOULOS S.
PAPPADOPOULOS D.
PAPPADOPOULOS M.
PAPPADOPOULOS A.
PAPPADOPOULOS E.
PAPPADOPOULOS K.
PAPPADOPOULOS S.
PAPPADOPOULOS D.
PAPPADOPOULOS M.
PAPPADOPOULOS A.
PAPPADOPOULOS E.
PAPPADOPOULOS K.
PAPPADOPOULOS S.
PAPPADOPOULOS D.
WINZEN A.
WIRTZ H.
WIRZ M.
WISE R.
WISEMAN D.
WISLEZ M.
WISMAN M.
WISNIVESKY J.
WISNIVESKY J.
WITHERS A.
WITHERS A.
WITINOK-HUBER R.
WITT M.
WITTING CHRISTENSEN WEN S.
WITT KOPP P.
WITZENRATH M.
WITZENRATH M.
WOEHRLE H.
WÖGRATH M.
WOHLERS I.
WOISCHNIK M.
WOIIDA E.
WOJYLA D.
WOJSYK-BANASZAK I.
WOLD L.
WOLDHUIS R.
WOLDHUIS R.
WOLFF C.
WOLFF D.
WOLFGANG M.
WOLFRA M.
WOLLER P.
WOLLSCHING-STROBEL M.
WOLOS M.
WOLTER N.
WOLTERS R.
WON E.
WON H.
WONG A.
WONG A.
WONG C.
WONG C.
WONG C.
WONG C.
WONG F.
WONG F.
WONG F.
WONG G.
WONG J.
WONG J.
WONG K.
WONG L.
WONG M.
WONG N.
WONG S.
WONG S.
WONG S.
WONG T.
WONG T.
WONG T.
WONG T.
WONG T.
WONG T.
WONG Z.
WONG Z.
WOO A.
WOO A.
WOO H.
WOO H.
WOO H.
WOO H.
WOO H.
WOO H.
WOO H.
WOO H.
WOO H.
WOO N.
WOO Q.
WOO Q.
WOO R.
WOO S.
WOO S.
WOO T.
WOO T.
WOO T.
WOO W.
WOO W.
WOO W.
WOO W.
WOO X.
WOO X.
WOO X.
WOO Y.
WOO Y.
WOO Y.
WOWN.
WOWN.
WOWN.
WOWN.
WOWN.
WOWN.
WOWN.
WOWN.
WOWN.
WOWN.
WOWN.
WOWN.
WOWN.
WOWN.
WOWN.
WOWN.
WOWN.
WOWN.
WOWN.
WOWN.
WOWN.
WOWN.
WOWN.
WOWN.
WOWN.
WOWN.
WOWN.
WOWN.
WOWN.
WOWN.
WOWN.
WOWN.
WOWN.
WOWN.
WOWN.
WOWN.
WOWN.
WOWN.
WOWN.
WOWN.
WOWN.
WOWN.
WOWN.
WOWN.
WOWN.
WOWN.
WOWN.
WOWN.
WOWN.
WOWN.
WOWN.
WOWN.
WOWN.
WOWN.
WOWN.
WOWN.
WOWN.
WOWN.
WOWN.
WOWN.
WOWN.
WOWN.
WOWN.
WOWN.
WOWN.
WOWN.
WOWN.
WOWN.
WOWN.
WOWN.
WOWN.
WOWN.
WOWN.
WOWN.
WOWN.
WOWN.
WOWN.
WOWN.
WOWN.
WOWN.
WOWN.
WOWN.
WXIAO L.
WXIAO Y.
WXIAO Y.
WXIAO Z.
WXIE F.
WXIE F.
WXIE G.
WXIE G.
WXIE J.
WXIE J.
WXIE L.
WXIE L.
WXIE L.
WXIE S.
WXIE W.
WXIE Y.
WXIE Y.
WXIE Y.
WXIE Y.
WXIE Y.
WXIE Z.
WXI MENES A.
WXIXIN Y.
WXIXIN Y.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
wxixing X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.
WXIXING X.