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## Scientific program

The program of the symposium will contain lectures, pro-con debates, round table discussions, case presentations and Meet the Expert sessions.

### Sunday, January 26, 2025

14:45 - 15:45	<i>Registration and Welcome Coffee</i>
15:45 - 16:00	<b>Welcome and Introduction</b> Marco Maggiorini, Zurich, CH   Michael Joannidis, Innsbruck, AT
16:00 - 18:45	<b>Hemodynamic management in shock</b> Chairs: Marco Maggiorini, Zurich, CH   Michael Joannidis, Innsbruck, AT
16:00 - 16:30	<b>Effect of clinical trials on the management of septic shock</b> Jukka Takala, Bern, CH
16:30 - 17:00	<b>Optimising blood pressure and flow in high risk surgery</b> Maurizio Ceconi, Milan, IT
17:00 - 17:30	<b>Can echocardiography identify septic cardiomyopathy?</b> Michelle Chew, Linköping, SE
17:30 - 18:00	<b>The future of intelligent hemodynamic resuscitation</b> Jean-Louis Vincent, Brussels, BE
18:00 - 18:45	<i>Keynote Lecture</i> <b>Devastating cyber attack in south London</b> Beverly Hunt, London, UK
18:45 - 19:30	<i>Get Together Cocktail</i>

### Monday, January 27, 2025

08:00 - 10:30	<b>Vasoactive Drugs</b> Chairs: Jean-Louis Vincent, Brussels, BE   Jukka Takala, Bern, CH
08:00 - 08:30	<b>Inotropes in the ICU</b> Michelle Chew, Linköping, SE
08:30 - 09:00	<b>How to treat arrhythmia in shock</b> Martin Balik, Prague, CZ
09:00 - 09:30	<b>Vasopressors treatment - what's new?</b> Peter R. Pickkers, Nijmegen, NL
09:30 - 10:00	<b>Decatecholaminisation</b> Martin Balik, Prague, CZ
10:00 - 10:30	<b>Vasopressors: when to start and how? - A debate</b> Moderator: Jean-Louis Vincent, Brussels, BE Pannelists: Maurizio Ceconi, Milan, IT   Jukka Takala, Bern, CH   Michelle Chew, Linköping, SE
10:30 - 11:15	<i>Room Transfer / Short Break</i>
11:15 - 12:15	<b>Meet the Expert Session: Use of echocardiography in sepsis</b> Michelle Chew, Linköping, SE
12:15 - 13:30	<i>Lunch Break</i>
13:30 - 14:30	<b>Meet the Expert Session: Weaning from mechanical ventilation</b> Oriol Roca Gas, Sabadell / Barcelona, ES
14:30 - 14:45	<i>Short Break</i>
14:45 - 15:45	<b>Meet the Expert Session: How to deal with immunomodulation in sepsis?</b> Peter R. Pickkers, Nijmegen, NL
15:45 - 16:00	<i>Room Transfer / Short Break</i>
16:00 - 18:30	<b>Non-invasive mechanical ventilation</b> Chairs: Beverly Hunt, London, UK   Annika Reitam Blaser, Lucerne, CH
16:00 - 16:30	<b>COPD patients: NIV for whom and how long?</b> Lise Piquilloud, Lausanne, CH
16:30 - 17:00	<b>Physiologic effects of High Flow Nasal Cannula and NIV</b> Tommaso Mauri, Milan, IT
17:00 - 17:30	<b>Postextubation respiratory support</b> Oriol Roca Gas, Sabadell / Barcelona, ES
17:30 - 18:00	<b>Preventing postoperative pulmonary complications</b> Maurizio Ceconi, Milan, IT
18:00 - 18:30	<b>High flow nasal oxygen or NIV: which one is your favorite respiratory support device in acute hypoxemic respiratory failure? - An interactive round table discussion</b> Moderator: Peter Suter, Geneva, CH Pannelists: Tommaso Mauri, Milan, IT   Lise Piquilloud, Lausanne, CH   Oriol Roca Gas, Sabadell / Barcelona, ES
from 19:30	<i>Speakers Dinner (for invited guests only)</i>

### Tuesday, January 28, 2025

08:00 - 10:30	<b>AKI</b> Chairs: Beverly Hunt, London, UK   Tommaso Mauri, Milan, IT
08:00 - 08:30	<b>Sex as a biological variable in AKI</b> Marlies Ostermann, London, UK
08:30 - 09:00	<b>Subphenotyping for personalised management in AKI</b> Michael Joannidis, Innsbruck, AT
09:00 - 09:30	<b>Impact of climate change on critical care nephrology</b> Marlies Ostermann, London, UK
09:30 - 10:00	<b>When to stop RRT?</b> Peter R. Pickkers, Nijmegen, NL
10:00 - 10:30	<b>20 years of AKI research: Any new developments impacting patient centred outcomes? - An interactive round table discussion</b> Moderator: Michelle Chew, Linköping, SE Pannelists: Marlies Ostermann, London, UK   Michael Joannidis, Innsbruck, AT   Peter R. Pickkers, Nijmegen, NL
10:30 - 10:35	<i>Short Break</i>
10:35 - 11:05	<b>Industry Flash by ADVITOS: Acidosis and multi-organ support</b>
11:05 - 11:15	<i>Room Transfer / Short Break</i>
11:15 - 12:15	<b>Meet the Expert Session: Quality control in sepsis management</b> Jean-Louis Vincent, Brussels, BE
12:15 - 13:30	<i>Lunch Break</i>
13:30 - 14:30	<b>Meet the Expert Session: Gastrointestinal dysfunction of the ICU patient</b> Annika Reitam Blaser, Lucerne, CH
14:30 - 14:45	<i>Short Break</i>
14:45 - 15:45	<b>Meet the Expert Session: Optimising assisted ventilation settings and monitoring</b> Lise Piquilloud, Lausanne, CH
15:45 - 16:00	<i>Room Transfer / Short Break</i>
16:00 - 18:30	<b>Nutrition and metabolism</b> Chairs: Marlies Ostermann, London, UK   Peter Suter, Geneva, CH
16:00 - 16:30	<b>Micronutrients: from early pharmaco-nutrition to prevention deficiencies</b> Michael Caesar, Leuven, BE
16:30 - 17:00	<b>Gastrointestinal tract and metabolism - what's next?</b> Annika Reitam Blaser, Lucerne, CH
17:00 - 17:30	<b>Timing of parenteral nutrition in patients at high nutritional risk</b> Michael Caesar, Leuven, BE
17:30 - 18:00	<b>Protein overfeeding in the ICU</b> Annika Reitam Blaser, Lucerne, CH
18:00 - 18:30	<b>AI in the ICU today - research only or already a clinical assistant? - A debate</b> Moderator: Maurizio Ceconi, Milan, IT Pannelists: Michael Joannidis, Innsbruck, AT   Lise Piquilloud, Lausanne   Peter R. Pickkers, Nijmegen, NL

### Wednesday, January 29, 2025

08:00 - 10:30	<b>Sepsis</b> Chairs: Michael Joannidis, Innsbruck, AT   Martin Balik, Prague, CZ
08:00 - 08:30	<b>Phenotyping is the way forward</b> Peter R. Pickkers, Nijmegen, NL
08:30 - 09:00	<b>Biomarkers to guide antibiotic therapy</b> Jan De Waele, Gent, BE
09:00 - 09:30	<b>Frailty: a multidimensional approach</b> Maurizio Ceconi, Milan, IT
09:30 - 10:00	<b>Public awareness and medical training improve outcome in sepsis</b> Peter Suter, Geneva, CH
10:00 - 10:30	<b>The antifungal pre-emptive treatment - A debate</b> Moderator: Jan De Waele, Gent, BE Pannelists: Maurizio Ceconi, Milan, IT   Michael Joannidis, Innsbruck, AT   Annika Reitam Blaser, Lucerne, CH
10:30 - 11:15	<i>Room Transfer / Short Break</i>
11:15 - 12:15	<b>Meet the Expert Session: Insights of ventilation - perfusion mismatch in ARDS</b> Tommaso Mauri, Milan, IT
12:15 - 13:30	<i>Lunch Break</i>
13:30 - 14:30	<b>Meet the Expert Session: When NOT to give antibiotics?</b> Jan De Waele, Gent, BE
14:30 - 14:45	<i>Short Break</i>
14:45 - 15:45	<b>Meet the Expert Session: Understanding spontaneous multiple thrombosis</b> Beverly Hunt, London, UK
15:45 - 16:00	<i>Room Transfer / Short Break</i>
16:00 - 18:30	<b>ECMO</b> Chairs: Marlies Ostermann, London, UK   Marco Maggiorini, Zurich, CH
16:00 - 16:30	<b>Antibiotic dosing in ECMO</b> Jan De Waele, Gent, BE
16:30 - 17:00	<b>LV-assist for acute myocardial infarction related shock</b> Martin Balik, Prague, CZ
17:00 - 17:30	<b>ECMO and anticoagulation</b> Beverly Hunt, London, UK
17:30 - 18:00	<b>The influence of obesity in ECMO patients</b> Peter R. Pickkers, Nijmegen, NL
18:00 - 18:30	<b>ECLS and ECMO - use and onuse - A debate</b> Moderator: Jukka Takala, Bern, CH Pannelists: Martin Balik, Prague, CZ   Marco Maggiorini, Zurich, CH   Maurizio Ceconi, Milan, IT
From 19:15	<i>Networking Event (for all participants)</i>

### Thursday, January 30, 2025

08:00 - 10:30	<b>Abdomen</b> Chairs: Martin Balik, Prague, CZ   Marlies Ostermann, London, UK
08:00 - 08:30	<b>Controversies of hepatosplanchnic circulation in liver cirrhosis</b> Jukka Takala, Bern, CH
08:30 - 09:00	<b>Diagnosis and management of acute mesenteric ischaemia - can we do better?</b> Annika Reitam Blaser, Lucerne, CH
09:00 - 09:30	<b>Update on acute pancreatitis</b> Jan De Waele, Gent, BE
09:30 - 10:00	<b>Abdominal trauma</b> Annika Reitam Blaser, Lucerne, CH
10:00 - 10:30	<b>Case presentation by a participant</b>
10:30 - 11:15	<i>Room Transfer / Short Break</i>
11:15 - 12:15	<b>Meet the Expert Session: Management of AKI in liver cirrhosis</b> Marlies Ostermann, London, UK
12:15 - 13:30	<i>Lunch Break</i>
13:30 - 14:30	<b>Meet the Expert Session: Assessment of readiness for feeding in the critical ill patient</b> Michael Caesar, Leuven, BE
14:30 - 14:45	<i>Short Break</i>
14:45 - 15:45	<b>Meet the Expert Session: Practical approach to haemodynamic monitoring</b> Maurizio Ceconi, Milan, IT
15:45 - 16:00	<i>Room Transfer / Short Break</i>
16:00 - 18:30	<b>Mechanical ventilation: new insights</b> Chairs: Peter Suter, Geneva, CH   Jukka Takala, Bern, CH
16:00 - 16:30	<b>Electrical impedance tomography to guide mechanical ventilation</b> Tommaso Mauri, Milan, IT
16:30 - 17:00	<b>Advanced respiratory monitoring (except EIT)</b> Oriol Roca Gas, Sabadell / Barcelona, ES
17:00 - 17:30	<b>Sigh breaths to enhance protective ventilation</b> Tommaso Mauri, Milan, IT
17:30 - 18:00	<b>Diaphragm protective ventilation</b> Lise Piquilloud, Lausanne, CH
18:00 - 18:30	<b>Visualisation tools of an interactive, stress and strain: will they improve mechanical ventilation? - An interactive round table discussion</b> Moderator: Marco Maggiorini, Zurich, CH Pannelists: Tommaso Mauri, Milan, IT   Oriol Roca Gas, Sabadell / Barcelona, ES   Lise Piquilloud, Lausanne, CH

### Friday, January 31, 2025

08:00 - 10:30	<b>ARDS</b> Chairs: Michael Joannidis, Innsbruck, AT   Jan De Waele, Gent, BE
08:00 - 08:30	<b>Heart-lung interactions in ARDS</b> Marco Maggiorini, Zurich, CH
08:30 - 09:00	<b>Ventilation-perfusion mismatch in ARDS: marker or mechanism?</b> Tommaso Mauri, Milan, IT
09:00 - 09:30	<b>Weaning from mechanical ventilation in ARDS patients</b> Oriol Roca Gas, Sabadell / Barcelona, ES
09:30 - 10:00	<b>ARDS short and long term prognosis and outcome</b> Lise Piquilloud, Lausanne, CH
10:00 - 10:30	<b>Bedside assessment of recruitability is a must to set the PEEP in ARDS - A pro-con debate</b> Lise Piquilloud, Lausanne, CH   Oriol Roca Gas, Sabadell / Barcelona, ES
10:30 - 10:45	<b>Closing remarks and Farewell</b> Michael Joannidis, Innsbruck, AT   Marco Maggiorini, Zurich, CH

## Speakers

We are pleased to welcome the following speakers to the International Winter Symposium 2025 in Engelberg:

- Prof. Martin Balik, MD, Ph.D., EDIC, Prague / CZ
- Prof. Michael Caesar, MD, University Hospital ZU, Leuven / BE
- Prof. Maurizio Ceconi, MD, IRCCS Istituto Humanitas, Milan / IT
- Prof. Michelle Chew, MD, Linköping University Hospital, Linköping / SE
- Prof. Jan De Waele, MD, University Hospital, Gent / BE
- Prof. Beverly Hunt, MD, Guy's and St Thomas' Foundation Trust, London / UK
- Prof. Michael Joannidis, MD, University Hospital for Internal Medicine, Innsbruck / AT
- Prof. Marco Maggiorini, MD em. University Hospital Zurich, Zurich / CH
- Prof. Tommaso Mauri, MD, Università di Milano, Milan / IT
- Prof. Marlies Ostermann, MD, King's College, London / UK
- Prof. Peter R. Pickkers, MD, Radboud University, Nijmegen / NL
- PD Lise Piquilloud, MD, Centre Hospitalier Universitaire Lausanne, CHUV, Lausanne / CH
- Annika Reitam Blaser, MD, Luzerner Kantonsspital LUKS, Lucerne / CH
- Prof. Oriol Roca Gas, MD Park Taull University Hospital, Sabadell / Barcelona / ES
- Prof. Peter Suter, MD em. University Geneva, Geneva / CH
- Prof. Jukka Takala, MD em. University of Bern, Bern / CH
- Prof. Jean-Louis Vincent, MD, PhD, Erasme University Hospital, Brussels / BE