Saturday, 23 September 2017

Postgraduate Course
08:40 - 10:40
Room 1.61

ICM Research: Everything you need for a cracking start! - Defining the study question
#ESICMNEXT

Research and clinical work are symbiotic!
Speaker: Sheldon Magder (Montreal, Canada)
08:40

Defining the hypothesis (literature search and critical analysis)
Speaker: Hannah Wunsch (Toronto, Canada)
09:00

Study design
Speaker: Harald Herkner (Vienna, Austria)
09:30

Defining the right population
Speaker: Howard Bauchner (Boston, United States)
10:00

Discussion and questions
10:30

Postgraduate Course
09:00 - 10:15
Berlin

EDIC I Refresher Course: Cardiovascular
#LIVES2017

Chair: Hans Flaatten (Bergen, Norway)
Chair: Jean-Louis Teboul (Kremlin-Bicetre, France)

Introduction
Speaker: Francesca Rubulotta (London, United Kingdom)
09:00

Heart lung interactions
Speaker: Marco Maggiorini (Zurich, Switzerland)
09:05

Discussion
09:25

Cardiogenic shock
Speaker: Jean-Louis Teboul (Kremlin-Bicetre, France)
09:30

Discussion
09:50

Challenge yourself: CVS MCQs with interactive discussion and voting
Speaker: Paul Elbers (Amsterdam, Netherlands)
09:55
Scientific Programme

Postgraduate Course
09:00 - 09:30

Advanced course in echocardiography: Critical care echocardiography
#cardio

Overview regarding critical care echocardiography
Speaker: Daniel De Backer (Braine L'Alleud, Belgium)

Postgraduate Course
09:00 - 10:40

State of the art in sepsis management: Sepsis recognition
#sepsis

Chair: Jan De Waele (Ghent, Belgium)

Sepsis, the clinical syndrome
Speaker: Yasser Sakr (Jena, Germany)

Key issues in microbiological diagnostics
Speaker: Michael Bauer (Jena, Germany)

Immune-monitoring
Speaker: Massimo Girardis (Modena, Italy)

Update on sepsis biomarkers
Speaker: Pedro Povoa (Lisbon, Portugal)

Discussion

Postgraduate Course
09:00 - 10:40

Mechanical Ventilation: From basics to advanced treatment
#lung

History of mechanical ventilation
Speaker: Michael Quintel (Göttingen, Germany)

A basic introduction to the pathophysiology of ARDS
Speaker: Luigi Camporota (London, United Kingdom)

Controlled mechanical ventilation settings: Basics
Speaker: Giacomo Bellani (Monza, Italy)

How to assess respiratory mechanics at the bedside
Speaker: Claude Guérin (Lyon, France)
Scientific Programme

Postgraduate Course
09:00 - 10:30

Basic course in echocardiography

Basic competences in GCCUS: What should every intensivist know? 09:00
Speaker: Paul Mayo (New York, United States)

Basic competences in echocardiography: What should every intensivist know? 09:15
Speaker: Anthony McLean (Sydney, Australia)

Basic views for a cardiac study (demonstration using a simulator: Simultaneous display of 2D views and corresponding 3D model of the heart) 09:30
Speaker: Yanick Beaulieu (Montreal, Canada)

Postgraduate Course
09:00 - 10:30

Metabolism, nutrition & recovery: Metabolism response in ICU patients

Metabolic
Chair: Steffen Weber-Carstens (Berlin, Germany)

Energy expenditure 09:00
Speaker: Paul Marik (Virginia, United States)

Macronutrients requirements 09:20
Speaker: Paul Wischmeyer (Aurora, United States)

A place for a nutritional risk assessment 09:40
Speaker: Michael Hiesmayr (Vienna, Austria)

Which monitoring and which correction? 10:10
Speaker: Jan Wernerman (Stockholm, Sweden)

Advanced course in echocardiography: LV systolic function

Echo parameters 09:30
Speaker: Philippe Vignon (Limoges, France)

Coffee break 10:15

What is known in the different clinical situations in the ICU? 10:30
Speaker: Antoine Vieillard-Baron (Boulogne, France)
Scientific Programme

Cases/discussion 11:15
Speaker: Paul Mayo (New York, United States)

Lunch break 11:45

European Diploma: How does it work? 13:00
Speaker: Daniel De Backer (Braine L’Alleud, Belgium)

Postgraduate Course
10:40 - 12:40

EDIC I Refresher Course: Respiratory and airways management
#LIVES2017
Chair: Ravindra Kumar (Redhill, United Kingdom)
Chair: Carl Waldmann (Reading, United Kingdom)

Role of NIV/High-flow-nasal oxygen therapy 10:40
Speaker: Charlie Corke (Geelong, Australia)

Discussion 11:00

Difficult to wean patients 11:05
Speaker: Gavin Joynt (Hong Kong, Hong Kong, China)

Discussion 11:25

ARDS 11:30
Speaker: Claude Guérin (Lyon, France)

Discussion 11:50

Managing MV in COPD 11:55
Speaker: Jordi Mancebo Cortes (Montreal, Canada)

Discussion 12:15

Challenge yourself: Respiratory MCQs with interactive discussion and voting 12:20
Speaker: Brian Marsh (Dublin, Ireland)

Postgraduate Course
11:00 - 13:00

State of the art in sepsis management: The failing organs
#sepsis
Chair: Massimo Girardis (Modena, Italy)

Cardiovascular alterations, from macro- to the microcirculation 11:00
Speaker: Xavier Monnet (Paris, France)

The lung 11:20
Speaker: Marco Ranieri (Rome, Italy)
Scientific Programme

The liver
Speaker: Michael Bauer (Jena, Germany) 11:40

The kidney
Speaker: Marlies Ostermann (London, United Kingdom) 12:00

The brain
Speaker: Ricard Ferrer Roca (Barcelona, Spain) 12:20

Discussion 12:40

Postgraduate Course
11:00 - 13:00 L6

Mechanical Ventilation: From basics to advanced treatment
#lung

Hands-on session 1 11:00
Speaker: Giacomo Grasselli (Milan, Italy)
Speaker: Lise Piquilloud (Lausanne, Switzerland)
Speaker: Tommaso Mauri (Milan, Italy)
Speaker: Lu Chen (Toronto, Canada)
Speaker: Thomas Staudinger (Vienna, Austria)
Speaker: Luigi Camporota (London, United Kingdom)

Strategies to set PEEP and to achieve lung recruitment 12:00
Speaker: Diederik Gommers (Rotterdam, Netherlands)

Heart lung interaction during controlled ventilation 12:30
Speaker: Antoine Vieillard-Baron (Boulogne, France)

Basic course in echocardiography: Group A
#cardio

Hands-on 11:00
Speaker: Eric Maury (Paris, France)
Speaker: Daniel Lichtenstein (Paris, France)
Speaker: Yanick Beaulieu (Montreal, Canada)
Speaker: Filippo Sanfilippo (Palermo, Italy)
Speaker: Bruno Mora (Vienna, Austria)
Speaker: Thomas Wasserscheid (Vienna, Austria)
Speaker: Nadia Aissaoui (Paris, France)
Speaker: Martin Balik (Prague, Czech Republic)
Scientific Programme

Postgraduate Course
11:00 - 12:30

**Basic course in echocardiography: Group B**

#cardio

**How to recognise severe left ventricular dysfunction (hypo & hyperkinesia)?**
Speaker: Bernard Cholley (Paris, France)  
11:00

**Pericardial effusion & tamponade**
Speaker: Bernard Cholley (Paris, France)  
11:15

**How to recognise a failing right ventricle?**
Speaker: Antoine Vieillard-Baron (Boulogne, France)  
11:30

**Massive valvular regurgitation: How to identify the problem?**
Speaker: Anna Bartunek (Vienna, Austria)  
11:45

**Wall motion abnormalities**
Speaker: Gorazd Voga (Celje, Slovenia)  
12:00

**Inferior vena cava: How to measure? How to interpret? Limits**
Speaker: Bernard Cholley (Paris, France)  
12:15

Postgraduate Course
11:00 - 12:30

**Basic course in echocardiography: Group C**

#cardio

**Clinical case on severe LV dysfunction**
Speaker: Nick Fletcher (London, United Kingdom)  
11:00

**Clinical cases showing images of normal and failing RV**
Speaker: Xavier Repesse (Paris, France)  
11:15

**Regional wall motion abnormalities, obvious cases, major territories (anterior, inferior, lateral)**
Speaker: Michelle Chew (Malmö, Sweden)  
11:30

**Clinical cases of pericardial effusion, tamponade or not?**
Speaker: Nick Fletcher (London, United Kingdom)  
11:45

**Clinical cases on valvular regurgitation (TTE, 2D and colour Doppler only)**
Speaker: Fernando Clau-Terré (Barcelona, Spain)  
12:00

**Clinical cases with inferior vena cava**
Speaker: Michel Slama (Amiens, France)  
12:15
ICM Research: Everything you need for a cracking start! - Performing the study

#ESICMNEXT

11:00 Be part of the A team: Who you should work with, what to research into
Speaker: Katie Lane (London, United Kingdom)

11:20 Grant writing: What needs to go into an application, what funders want, how grant panels think
Speaker: Hannah Wunsch (Toronto, Canada)

11:50 Establishing the endpoint - What (if any) is the best one to use in ICM research?
Speaker: Lui Forni (Surrey, United Kingdom)

12:10 Sample size calculation: A balance between power and feasibility
Speaker: Giacomo Bellani (Monza, Italy)

12:30 Discussion and questions

Metabolism, nutrition & recovery: Hands-on session 1: Nutrition at bedside

#metabolic

Chair: Heleen Oudemans-van Straaten (Amsterdam, Netherlands)

11:00 Which optimal delay? A case presentation
Speaker: Michael Casaer (Leuven, Belgium)

11:30 Which optimal route? A case presentation
Speaker: Paul Marik (Virginia, United States)

12:00 Join the calorie and protein targets: A major goal?
Speaker: Olav Rooyackers (Stockholm, Sweden)

12:30 From the "acute" to the "chronic" phase: Increase progressively
Speaker: Mette Berger (Lausanne, Switzerland)
Perioperative ICU management of the high-risk surgical patient: Theoretical part

#periop

Medical University Vienna/ General Hospital Vienna
Währinger Gürtel 18-20
1090 Vienna
Austria

Subway (U6) stop AKH-Michelbeuern

In cooperation with the Medical Simulation Teams Vienna, Gießen and Berlin.

**Introduction and welcome**  
Speaker: Bernardo Bollen Pinto (Geneva, Switzerland)

**Perioperative respiratory and airway management**  
Speaker: Ben Creagh-Brown (Guildford, United Kingdom)

**Risk stratification and management for high-risk surgical patients**  
Speaker: Ib Jammer (Bergen, Norway)

**Perioperative pain, agitation and delirium**  
Speaker: Torsten Schröder (Berlin, Germany)

**Perioperative blood management and coagulation**  
Speaker: Jens Meier (Linz, Austria)

**The surgical stress response**  
Speaker: Rupert Pearse (London, United Kingdom)

EDIC II Preparation Course

#LIVES2017

**Welcome**  
12:15

**Introduction (How EDIC II works)**  
Speaker: Francesca Rubulotta (London, United Kingdom)

**CBA video**  
13:00

**Curves 1: ECG**  
Speaker: Hynek Riha (Prague, Czech Republic)

**Curves 2: Pressure waves**  
Speaker: Hans Flaatten (Bergen, Norway)
Scientific Programme

Postgraduate Course
12:15 - 17:15
L3

Haemodynamic management: How to assess haemodynamics in patients with shock?
#cardio
Chair: Thomas Scheeren (Groningen, Netherlands)
Chair: Michael Pinsky (Pittsburgh, United States)

- **Presentation of the course**
  Speaker: Jean-Louis Teboul (Kremlin-Bicetre, France)  
  12:15

- **How to use arterial pressure and all its components?**
  Speaker: Jean-Louis Teboul (Kremlin-Bicetre, France)  
  12:30

- **Should we measure cardiac output: When and how?**
  Speaker: Xavier Monnet (Paris, France)  
  13:00

- **Assessment of volume status**
  Speaker: Azriel Perel (Tel Aviv, Israel)  
  13:30

- **Cardiac function**
  Speaker: Michael Pinsky (Pittsburgh, United States)  
  14:00

  **Coffee break**  
  14:30

- **SvO2/ScvO2**
  Speaker: Jean-Louis Vincent (Brussels, Belgium)  
  14:45

- **Lactate and its kinetics**
  Speaker: Jan Bakker (Rotterdam, Netherlands)  
  15:15

- **Microcirculation/peripheral perfusion and oxygenation**
  Speaker: Jacques Duranteau (Kremlin-Bicetre, France)  
  15:45

- **PCO2 gap**
  Speaker: Thomas Scheeren (Groningen, Netherlands)  
  16:15

- **Do extravascular lung water measurements add something?**
  Speaker: Marco Maggiorini (Zurich, Switzerland)  
  16:45

Postgraduate Course
13:30 - 15:30
Berlin

EDIC I Refresher Course: Sepsis and Inflammation
#LIVES2017

- **Multi-resistant bacteria on the ICU**
  Speaker: Jean-François Timsit (Paris, France)  
  13:30

  **Discussion**  
  13:50
Scientific Programme

Optimising antimicrobial dosing in the critically ill  13:55
Speaker: Jason Roberts (Brisbane, Australia)

Discussion  14:15

Ventilator associated pneumonia  14:20
Speaker: Brian Marsh (Dublin, Ireland)

Discussion  14:40

New sepsis guidelines  14:45
Speaker: Richard Beale (London, United Kingdom)

Discussion  15:05

Challenge yourself: Sepsis MCQs with interactive discussion and voting  15:10
Speaker: Rajnish Saha (Harlow, United Kingdom)

Postgraduate Course  13:30 - 17:00
Lisbon

Advanced course in echocardiography: LV diastolic function
#cardio

Echo parameters  13:30
Speaker: Michel Slama (Amiens, France)

What is known in the different clinical situations in the ICU?  14:15
Speaker: Anthony McLean (Sydney, Australia)

Coffee break  15:00

Cases/discussion  15:30
Speaker: Philippe Vignon (Limoges, France)

Pericardial disease and echo  16:15
Speaker: Paul Mayo (New York, United States)

Postgraduate Course  13:30 - 15:30
L6

Mechanical Ventilation: From basics to advanced treatment
#lung

Clinical case history: Respiratory mechanics to guide ventilatory settings  13:30
Speaker: Claude Guérin (Lyon, France)

Assisted mechanical ventilation settings: Basics  14:00
Speaker: Dimitris Georgopoulos (Heraklion, Greece)
Scientific Programme

How to assess respiratory mechanics and patient's effort during assisted mechanical ventilation 14:30
Speaker: Antonio Pesenti (Milan, Italy)

Patient-ventilator interaction during assisted mechanical ventilation 14:50
Speaker: Giuseppe Foti (Monza, Italy)

Impact of mechanical ventilation on respiratory muscles 15:10
Speaker: Samir Jaber (Montpellier, France)

Basic course in echocardiography: Group B
#cardio

Hands-on 13:30
Speaker: Eric Maury (Paris, France)
Speaker: Daniel Lichtenstein (Paris, France)
Speaker: Yanick Beaulieu (Montreal, Canada)
Speaker: Bruno Mora (Vienna, Austria)
Speaker: Filippo Sanfilippo (Palermo, Italy)
Speaker: Thomas Wasserscheid (Vienna, Austria)
Speaker: Nadia Aissaoui (Paris, France)
Speaker: Martin Balik (Prague, Czech Republic)

Basic course in echocardiography: Group C
#cardio

How to recognise severe left ventricular dysfunction (hypo & hyperkinesia)? 13:30
Speaker: Bernard Cholley (Paris, France)

How to recognise a failing right ventricle? 13:45
Speaker: Antoine Vieillard-Baron (Boulogne, France)

Pericardial effusion & tamponade 14:00
Speaker: Bernard Cholley (Paris, France)

Massive valvular regurgitation: How to identify the problem? 14:15
Speaker: Anna Bartunek (Vienna, Austria)

Wall motion abnormalities 14:30
Speaker: Gorazd Voga (Celje, Slovenia)

Inferior vena cava: How to measure? How to interpret? Limits 14:45
Speaker: Bernard Cholley (Paris, France)
Scientific Programme

Postgraduate Course
13:30 - 15:00

Basic course in echocardiography: Group A
#cardio

Clinical case on severe LV dysfunction 13:30
Speaker: Nick Fletcher (London, United Kingdom)

Clinical cases showing images of normal and failing RV 13:45
Speaker: Xavier Repesse (Paris, France)

Regional wall motion abnormalities, obvious cases, major territories (anterior, inferior, lateral) 14:00
Speaker: Michelle Chew (Malmö, Sweden)

Clinical cases of pericardial effusion, tamponade or not? 14:15
Speaker: Nick Fletcher (London, United Kingdom)

Clinical cases on valvular regurgitation (TTE, 2D and colour Doppler only) 14:30
Speaker: Fernando Clau-Terré (Barcelona, Spain)

Clinical cases with inferior vena cava 14:45
Speaker: Michel Slama (Amiens, France)

Postgraduate Course
13:30 - 15:30

Metabolism, nutrition & recovery: Hands-on session 2: Nutrition at bedside
#metabolic

Chair: Michael Casaer (Leuven, Belgium)

Immunomodulating nutrition (arginine, glutamine, omega 3): When and how? 13:30
Speaker: Arthur van Zanten (Ede, Netherlands)

Micronutrients (vitamins, trace elements): When and how? 14:00
Speaker: Kenneth Christopher (Boston, United States)

How to detect and manage gastrointestinal feeding intolerance 14:30
Speaker: Annika Reintam Blaser (Tartu, Estonia)

From prescription to delivery: How to improve it? 15:00
Speaker: Danielle Bear (London, United Kingdom)

Postgraduate Course
13:40 - 15:40
Room 1.61

ICM Research: Everything you need for a cracking start! - Analysis
#ESICMNEXT
Scientific Programme

Planning statistical analysis  13:40
Speaker: David Harrison (London, United Kingdom)

Randomisation strategies and alternatives  14:00
Speaker: Hannah Wunsch (Toronto, Canada)

Which control group?  14:20
Speaker: David Harrison (London, United Kingdom)

Data collection: What, how and when  14:40
Speaker: Geert Meyfroidt (Leuven, Belgium)

Big Data (cooperation with the TechLounge)  15:00
Speaker: Felix Balzer (Berlin, Germany)

State of the art in sepsis management: How to assess (Workshops)  
#sepsis
Chair: Yasser Sakr (Jena, Germany)

The septic patient; Case-based discussions
Speaker: Jan De Waele (Ghent, Belgium)

Volume status
Speaker: Jean-Louis Teboul (Kremlin-Bicetre, France)

Cardiac function
Speaker: Daniel De Backer (Braine L'Alleud, Belgium)

Microcirculation and peripheral perfusion
Speaker: Zsolt Molnar (Szeged, Hungary)

EDIC II Preparation Course  
#LIVES2017

Curves 3: Ventilator screens  14:20
Speaker: Ahmed ElHaddad (London, United Kingdom)

Biochemistry 1: Advanced acid-base  15:00
Speaker: Frantisek Duska (Prague, Czech Republic)
Scientific Programme

Postgraduate Course
15:00 - 18:00
University of Vienna

Perioperative ICU management of the high-risk surgical patient: Practical part
#periop

Medical University Vienna/ General Hospital Vienna
Währinger Gürtel 18-20
1090 Vienna
Austria

Subway (U6) stop AKH-Michelbeuern

In cooperation with the Medical Simulation Teams Vienna, Gießen and Berlin.

Coagulation: Group 1
15:00
Speaker: Christian Von Heymann (Berlin, Germany)
Speaker: Matthias Wolff (Giessen, Germany)
Speaker: Barbara Steinlechner (Vienna, Austria)
Speaker: Ivonne Kroecckel (Vienna, Austria)
Speaker: Maria Anwar (Vienna, Austria)
Speaker: Alessia Felli (Vienna, Austria)
Speaker: Judith Schiefer (Vienna, Austria)

Delirium: Group 2
15:45
Speaker: Arjen Sloote (Utrecht, Netherlands)
Speaker: Friedrich Borchers (Berlin, Germany)
Speaker: Felix Domschikowski (Berlin, Germany)

Coagulation: Group 2
16:30
Speaker: Christian Von Heymann (Berlin, Germany)
Speaker: Matthias Wolff (Giessen, Germany)
Speaker: Barbara Steinlechner (Vienna, Austria)
Speaker: Judith Schiefer (Vienna, Austria)
Speaker: Ivonne Kroecckel (Vienna, Austria)
Speaker: Alessia Felli (Vienna, Austria)
Speaker: Maria Anwar (Vienna, Austria)

Delirium: Group 1
17:15
Speaker: Arjen Sloote (Utrecht, Netherlands)
Speaker: Friedrich Borchers (Berlin, Germany)
Speaker: Felix Domschikowski (Berlin, Germany)

Basic course in echocardiography: Group C
#cardio
**Scientific Programme**

**Hands-on**

Speaker: Eric Maury (Paris, France)  
Speaker: Daniel Lichtenstein (Paris, France)  
Speaker: Yanick Beaulieu (Montreal, Canada)  
Speaker: Xavier Repesse (Paris, France)  
Speaker: Filippo Sanfilippo (Palermo, Italy)  
Speaker: Thomas Wasserscheide (Vienna, Austria)  
Speaker: Bruno Mora (Vienna, Austria)  
Speaker: Nadia Aissaoui (Paris, France)  

**Postgraduate Course**

15:30 - 17:00  
L8

**Basic course in echocardiography: Group A**  
#cardio

**How to recognise severe left ventricular dysfunction (hypo & hyperkinesia)?**  
Speaker: Bernard Cholley (Paris, France)  

15:30

**How to recognise a failing right ventricle?**  
Speaker: Antoine Vieillard-Baron (Boulogne, France)  

15:45

**Pericardial effusion & tamponade**  
Speaker: Bernard Cholley (Paris, France)  

16:00

**Massive valvular regurgitation: How to identify the problem?**  
Speaker: Anna Bartunek (Vienna, Austria)  

16:15

**Wall motion abnormalities**  
Speaker: Gorazd Voga (Celje, Slovenia)  

16:30

**Inferior vena cava: How to measure? How to interpret? Limits**  
Speaker: Bernard Cholley (Paris, France)  

16:45

**Postgraduate Course**

15:30 - 17:00  
L5

**Basic course in echocardiography: Group B**  
#cardio

**Clinical case on severe LV dysfunction**  
Speaker: Nick Fletcher (London, United Kingdom)  

15:30

**Clinical cases showing images of normal and failing RV**  
Speaker: Olfa Hamzaoui (Clamart, France)  

15:45

**Regional wall motion abnormalities, obvious cases, major territories (anterior, inferior, lateral)**  
Speaker: Michelle Chew (Malmö, Sweden)  

16:00

**Clinical cases of pericardial effusion, tamponade or not?**  
Speaker: Nick Fletcher (London, United Kingdom)  

16:15
Scientific Programme

Clinical cases on valvular regurgitation (TTE, 2D and colour Doppler only)  16:30
Speaker: Fernando Clau-Terré (Barcelona, Spain)

Clinical cases with inferior vena cava  16:45
Speaker: Michel Slama (Amiens, France)

Postgraduate Course
15:40 - 17:00  Room 1.61

ICM Research: Everything you need for a cracking start! - Presentation and publication
#ESICMNEXT

Where and how to present your research: What I look for in a poster & oral presentation  15:40
Speaker: Julia Wendon (London, United Kingdom)

Where and how to publish your research: What you should know, what do journal editors think and want  16:00
Speaker: Jean-Louis Vincent (Brussels, Belgium)

Answering reviewers' comments  16:20
Speaker: Elie Azoulay (Paris, France)

Discussion and questions  16:40

Postgraduate Course
16:00 - 17:35  Berlin

EDIC I Refresher Course: Trauma and Surgery
#LIVES2017

Chair: Bernardo Bollen Pinto (Geneva, Switzerland)
Chair: Martin Dünser (London, United Kingdom)

Use of ultrasound in trauma management  16:00
Speaker: Christian Sitzwohl (Vienna, Austria)

Discussion  16:20

The high risk surgical patient  16:25
Speaker: Michael Sander (Giessen, Germany)

Discussion  16:45

Managing polytrauma  16:50
Speaker: Jacques Duranteau (Kremlin-Bicetre, France)

Discussion  17:10

Challenge yourself: Trauma and surgery MCQs with interactive discussion and voting  17:15
Speaker: Hans Flaatten (Bergen, Norway)
Scientific Programme

Postgraduate Course
16:00 - 18:30

EDIC II Preparation Course
#LIVES2017

Biochemistry 2: Vignette, ions and patterns
Speaker: Paul Elbers (Amsterdam, Netherlands)
16:00

CBA images 1: CXR/AXR
Speaker: Rajnish Saha (Harlow, United Kingdom)
16:45

CBA images 2: CT/US
Speaker: Jerome Cockings (Reading, United Kingdom)
17:30

Mechanical Ventilation: From basics to advanced treatment
#lung

Hands-on session 2
Speaker: Giacomo Grasselli (Milan, Italy)
Speaker: Lise Piquilloud (Lausanne, Switzerland)
Speaker: Tommaso Mauri (Milan, Italy)
Speaker: Lu Chen (Toronto, Canada)
Speaker: Thomas Staudinger (Vienna, Austria)
Speaker: Luigi Camporota (London, United Kingdom)
16:00

Role of non-invasive ventilation in acute hypoxaemic respiratory failure
Speaker: Gennaro De Pascale (Rome, Italy)
17:00

Prone position theoretical and practical aspects
Speaker: Claude Guérin (Lyon, France)
17:30

Metabolism, nutrition & recovery: Fight muscle loss: The key of long-term recovery?
#metabolic

Proteins for minimising muscle loss in ICU?
Speaker: Heleen Oudemans-van Straaten (Amsterdam, Netherlands)
16:00

Restoring muscle with a multimodal approach
Speaker: Danielle Bear (London, United Kingdom)
16:20

How to monitor muscle mass and function? Clinical presentation
Speaker: Steffen Weber-Carstens (Berlin, Germany)
16:40
Scientific Programme

Maintaining muscle recovery after ICU: An essential challenge 17:00
Speaker: Olav Rooyackers (Stockholm, Sweden)

Postgraduate Course
17:20 - 18:00 Room 1.61

ICM Research: Everything you need for a cracking start! - Study challenge
#ESICMNEXT

How ESICM and NEXT can help with your research 17:20
Speaker: Peter Schellongowski (Vienna, Austria)
Speaker: Burcin Halacli (Ankara, Turkey)

Setting the challenge 17:40
Speaker: Jean-Daniel Chiche (Paris, France)
Scientific Programme

Sunday, 24 September 2017

Postgraduate Course
08:00 - 10:15

**EDIC II Preparation Course**

#LIVES2017

**How to go through CCS 1 Medical**
Speaker: Ravindra Kumar (Redhill, United Kingdom)

**CCS video**

**How to go through CCS 2 Cardiothoracic**
Speaker: Brian Marsh (Dublin, Ireland)

Postgraduate Course
08:30 - 10:05

**EDIC I Refresher Course: Nephrology, Electrolytes, and fluid management**

#LIVES2017

Chair: Lui Forni (Surrey, United Kingdom)
Chair: Marlies Ostermann (London, United Kingdom)

**Acute kidney injury**
Speaker: John Prowle (London, United Kingdom)

**Discussion**

**Acid Base for the expert**
Speaker: Frantisek Duska (Prague, Czech Republic)

**Discussion**

**Renal replacement therapies**
Speaker: Lui Forni (Surrey, United Kingdom)

**Discussion**

**Challenge yourself: Nephrology MCQs with interactive discussion and voting**
Speaker: Frantisek Duska (Prague, Czech Republic)
Scientific Programme

Postgraduate Course
08:30 - 10:30

Haemodynamic management: Which therapies?
#cardio

Chair: Xavier Monnet (Paris, France)
Chair: Antonio Artigas (Barcelona, Spain)

Fluid therapy: What is the best solution?
Speaker: Jean-Louis Vincent (Brussels, Belgium)
08:30

Fluid challenge: How to do it?
Speaker: Maurizio Cecconi (London, United Kingdom)
09:00

Vasopressors: When, which, how much?
Speaker: Jean-Louis Teboul (Kremlin-Bicetre, France)
09:30

Inotropes: When, which, how much?
Speaker: Daniel De Backer (Braine L’Alleud, Belgium)
10:00

Postgraduate Course
08:30 - 09:00

NEXT Day - ECMO: Welcome & introduction
#ESICMNEXT

ESICM: Education, scientific research and networking!
Speaker: Massimo Antonelli (Rome, Italy)
08:30

Welcome to ECMO-PG!
Speaker: Björn Weiss (Berlin, Germany)
08:45

Postgraduate Course
09:00 - 12:00

Advanced course in echocardiography: Fluid management
#cardio

Static echo parameters
Speaker: Michel Slama (Amiens, France)
09:00

Echo and fluid responsiveness evaluation
Speaker: Philippe Vignon (Limoges, France)
09:30

Cases/discussion
Speaker: Antoine Vieillard-Baron (Boulogne, France)
10:00

Coffee break
10:30

How to do it in practice?
Speaker: Anthony McLean (Sydney, Australia)
11:00
Scientific Programme

**TEE: Main views, interest, side effects and contraindications**
Speaker: Antoine Vieillard-Baron (Boulogne, France) 11:30

Postgraduate Course
09:00 - 10:40  L2

**State of the art in sepsis management: Antibiotics**
#sepsis
Chair: Jan De Waele (Ghent, Belgium)

- **Principles of empirical therapy**
  Speaker: José Artur Paiva (Porto, Portugal) 09:00

- **Antimicrobial PK and PD**
  Speaker: Jason Roberts (Brisbane, Australia) 09:20

- **Multidrug resistance - Epidemiology - Implications for practice**
  Speaker: Jan De Waele (Ghent, Belgium) 09:40

- **Who needs antifungal therapy?**
  Speaker: José Garnacho Montero (Seville, Spain) 10:00

  **Discussion**  10:20

Postgraduate Course
09:00 - 10:30  L6

**Mechanical Ventilation: From basics to advanced treatment**
#lung

- **Non conventional forms of ventilation: APRV/PAV/NAVA**
  Speaker: Lise Piquilloud (Lausanne, Switzerland) 09:00

- **Role of ECMO in the treatment of acute respiratory failure**
  Speaker: Alain Combes (Paris, France) 09:20

- **Advanced respiratory monitoring: Transpulmonary pressure and lung volumes**
  Speaker: Luciano Gattinoni (Milan, Italy) 09:40

- **Patients with severe asthma: Infrequent but nasty!**
  Speaker: Jean-Michel Constantin (Clermont-Ferrand, France) 10:10

Postgraduate Course
09:00 - 10:30  L7

**Basic course in echocardiography: Group A**
#cardio
30th Annual Congress of the European Society of Intensive Care Medicine,
23 - 27 September 2017,
Vienna, Austria

**Scientific Programme**

**Hands-on**  09:00
Speaker: Bernard Cholley (Paris, France)
Speaker: Gorazd Voga (Celje, Slovenia)
Speaker: Matthieu Legrand (Paris, France)
Speaker: Olfa Hamzaoui (Clamart, France)
Speaker: Xavier Repesse (Paris, France)
Speaker: Filippo Sanfilippo (Palermo, Italy)
Speaker: Anna Bartunek (Vienna, Austria)
Speaker: Thomas Wasserscheid (Vienna, Austria)

**Postgraduate Course**
09:00 - 10:35  L8

**Basic course in echocardiography: Group B**

#cardio

**Echo signs of pneumothorax**  09:00
Speaker: Paul Mayo (New York, United States)

**Pleural effusion**  09:20
Speaker: Paul Mayo (New York, United States)

**Lung condensation: Pneumonia, atelectasis,...**  09:40
Speaker: Daniel Lichtenstein (Paris, France)

**Diaphragmatic function: How to evaluate**  10:00
Speaker: Nadia Aissaoui (Paris, France)

**Respiratory distress: Basic approach using US**  10:15
Speaker: Philippe Vignon (Limoges, France)

**Postgraduate Course**
09:00 - 10:35  L5

**Basic course in echocardiography: Group C**

#cardio

**Clinical case pneumothorax (pleural sliding present and absent, 2D and M-mode, lung point)**  09:00
Speaker: Aarne Feldheiser (Berlin, Germany)

**Clinical cases of pleural effusion and their importance**  09:20
Speaker: Bruno Mora (Vienna, Austria)

**Clinical cases of lung condensation**  09:40
Speaker: Yanick Beaulieu (Montreal, Canada)

**Practical approach to respiratory distress**  10:00
Speaker: Yanick Beaulieu (Montreal, Canada)

**Examples of diaphragmatic evaluation, pitfalls in measurement**  10:20
Speaker: Eric Maury (Paris, France)
Scientific Programme

Postgraduate Course
09:00 - 11:00

**NEXT Day - ECMO: ECLS from A to O**

#ESICMNEXT

Chair: Steven Thiessen (Leuven, Belgium)
Chair: Bernardo Bollen Pinto (Geneva, Switzerland)

Refractory hypoxemia: Therapeutic strategies 09:00
Speaker: Antonio Pesenti (Milan, Italy)

Haemodynamics on ECMO: What happens on pump? 09:30
Speaker: Jan Bakker (Rotterdam, Netherlands)

Weaning from ECMO and ventilation 10:00
Speaker: Giacomo Grasselli (Milan, Italy)

Speaker: LucianoGattinoni (Milan, Italy)

Postgraduate Course
09:00 - 16:30

**Practical aspects of RRT in ICU patients**

#renal

Welcome 09:00
Speaker: Eric Hoste (Ghent, Belgium)

Terminology of AKI and RRT 09:05
Speaker: Antoine Schneider (Lausanne, Switzerland)

Selection of RRT modality 09:25
Speaker: John Prowle (London, United Kingdom)

Coffee break 09:55

CRRT machines 10:15
Speaker: John Prowle (London, United Kingdom)
Speaker: Antoine Schneider (Lausanne, Switzerland)
Speaker: Olivier Joannes-Boyau (Pessac, France)
Speaker: Barbara Philips (London, United Kingdom)
Speaker: Stéphane Gaudry (Colombes, France)
Speaker: Thomas Rimmelé (Lyon, France)
Speaker: Eric Hoste (Ghent, Belgium)
Speaker: Marlies Ostermann (London, United Kingdom)
Speaker: Patrick Honoré (Brussels, Belgium)

Catheters and filters 11:30
Speaker: Thomas Rimmelé (Lyon, France)
Speaker: Patrick Honoré (Brussels, Belgium)

Lunch break 12:30
Scientific Programme

How to keep the filter patent 13:15
Speaker: Thomas Rimmelé (Lyon, France)

Cases I (relevant to practice of RRR) 14:00
Speaker: John Prowle (London, United Kingdom)
Speaker: Barbara Philips (London, United Kingdom)
Speaker: Stéphane Gaudry (Colombes, France)

Coffee break 15:00

Cases II (trouble shooting during RRT) 15:20
Speaker: Patrick Honoré (Brussels, Belgium)
Speaker: Antoine Schneider (Lausanne, Switzerland)
Speaker: Olivier Joannes-Boyau (Pessac, France)

Conclusion and answers to the test 16:20
Speaker: Marlies Ostermann (London, United Kingdom)

Postgraduate Course
09:00 - 11:30 University of Vienna

Perioperative ICU management of the high-risk surgical patient: Theoretical part
#periop

Medical University Vienna/ General Hospital Vienna
Währinger Gürtel 18-20
1090 Vienna
Austria

Subway (U6) stop AKH-Michelbeuern

In cooperation with the Medical Simulation Teams Vienna, Gießen and Berlin.

Perioperative haemodynamic management 09:00
Speaker: Monty Mythen (London, United Kingdom)

Perioperative respiratory and airway management 09:30
Speaker: Ben Creagh-Brown (Guildford, United Kingdom)

Perioperative renal management 10:00
Speaker: Matthias Heringlake (Lübeck, Germany)

Improving long time outcomes after surgery 10:30
Speaker: Michelle Chew (Malmö, Sweden)

Perioperative ICU admission - Risk stratification 11:00
Speaker: Hannah Wunsch (Toronto, Canada)
Postgraduate Course
10:30 - 12:05

EDIC I Refresher Course: Nervous System
#LIVES2017

Chair: Lara Prisco (Oxford, United Kingdom)
Chair: Claude Hemphill (San Francisco, United States)

**Traumatic brain injury: From physiology to treatment**
Speaker: Nino Stocchetti (Milan, Italy)
10:30

**Discussion**
10:50

**Neuromuscular disorders**
Speaker: Zudin A. Puthucheary (London, United Kingdom)
10:55

**Discussion**
11:15

**Managing stroke**
Speaker: Giuseppe Citerio (Monza, Italy)
11:20

**Discussion**
11:40

**Challenge yourself: Nervous system MCQs with interactive discussion and voting**
Speaker: Armand Girbes (Amsterdam, Netherlands)
11:45

Postgraduate Course
10:30 - 16:00

EDIC II Preparation Course
#LIVES2017

**Mock exams**
10:30

State of the art in sepsis management: Sepsis therapeutics
#sepsis

Chair: Jean-Louis Teboul (Kremlin-Bicetre, France)

**Source control - A key issue**
Speaker: Ignacio Martin-Loeches (Dublin, Ireland)
11:00

**Fluid therapy: What is the best solution?**
Speaker: Anders Perner (Copenhagen, Denmark)
11:20

**Vasopressors and inotropics: When, which, how much?**
Speaker: Claude Martin (Marseille, France)
11:40
Scientific Programme

**Adjunct therapies**
Speaker: Massimo Girardis (Modena, Italy)

**Therapies in the pipeline**
Speaker: Konrad Reinhart (Jena, Germany)

**Discussion**

**Postgraduate Course**
11:00 - 12:30
L3

**Haemodynamic management: Which management in specific situations?**
#cardio
Chair: Azriel Perel (Tel Aviv, Israel)
Chair: Zsolt Molnar (Szeged, Hungary)

**Shock with ARDS**
Speaker: Xavier Monnet (Paris, France)

**Shock due to right ventricular failure**
Speaker: Alexandre Mebazaa (Paris, France)

**Shock with intra-abdominal hypertension**
Speaker: Manu Malbrain (Antwerp, Belgium)

**Postgraduate Course**
11:00 - 13:00
L6

**Mechanical Ventilation: From basics to advanced treatment**
#lung

**Hands-on session 3**
Speaker: Giacomo Grasselli (Milan, Italy)
Speaker: Lise Piquilloud (Lausanne, Switzerland)
Speaker: Tommaso Mauri (Milan, Italy)
Speaker: Lu Chen (Toronto, Canada)
Speaker: Thomas Staudinger (Vienna, Austria)
Speaker: Luigi Camporota (London, United Kingdom)

**Heart-lung interaction during assisted ventilation**
Speaker: Michael Pinsky (Pittsburgh, United States)

**Imaging techniques to guide mechanical ventilation**
Speaker: Giacomo Bellani (Monza, Italy)
Scientific Programme

Postgraduate Course
11:00 - 12:30

**Basic course in echocardiography: Group B**
#cardio

**Hands-on**
11:00
Speaker: Bernard Cholley (Paris, France)
Speaker: Gorazd Voga (Celje, Slovenia)
Speaker: Matthieu Legrand (Paris, France)
Speaker: Xavier Repesse (Paris, France)
Speaker: Olfa Hamzaoui (Clamart, France)
Speaker: Filippo Sanfilippo (Palermo, Italy)
Speaker: Anna Bartunek (Vienna, Austria)
Speaker: Thomas Wasserscheid (Vienna, Austria)

Postgraduate Course
11:00 - 12:35

**Basic course in echocardiography: Group C**
#cardio

**Echo signs of pneumothorax**
11:00
Speaker: Paul Mayo (New York, United States)

**Pleural effusion**
11:20
Speaker: Paul Mayo (New York, United States)

**Lung condensation: Pneumonia, atelectasis,...**
11:40
Speaker: Daniel Lichtenstein (Paris, France)

**Respiratory distress: Basic approach using US**
12:00
Speaker: Philippe Vignon (Limoges, France)

**Diaphragmatic function: How to evaluate**
12:20
Speaker: Nadia Aissaoui (Paris, France)

Postgraduate Course
11:00 - 12:35

**Basic course in echocardiography: Group A**
#cardio

**Clinical case pneumothorax (pleural sliding present and absent, 2D and M-mode, lung point)**
11:00
Speaker: Aarne Feldheiser (Berlin, Germany)

**Clinical cases of pleural effusion and their importance**
11:20
Speaker: Bruno Mora (Vienna, Austria)

**Clinical cases of lung condensation**
11:40
Speaker: Yanick Beaulieu (Montreal, Canada)
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Scientific Programme

**Practical approach to respiratory distress**  12:00
Speaker: Yanick Beaulieu (Montreal, Canada)

**Examples of diaphragmatic evaluation, pitfalls in measurement**  12:20
Speaker: Eric Maury (Paris, France)

**Postgraduate Course**
11:00 - 12:00  Room 1.61

**NEXT Day - ECMO: Trouble shooting**
#ESICMNEXT
Chair: Peter Schellongowski (Vienna, Austria)
Chair: Nishkantha Arulkumaran (London, United Kingdom)

**Interactive A: Cases - How would you decide?**  11:00
Speaker: Didier Payen (Paris, France)

**Interactive B: Complications to deal with?**  11:30
Speaker: Brijesh Patel (London, United Kingdom)

**Postgraduate Course**
12:00 - 13:00  Room 1.61

**NEXT Day - ECMO: Keynote**
#ESICMNEXT
Chair: Frauke Weidanz (Edinburgh, United Kingdom)
Chair: Manuel Mendoza Ruano (Las Palmas de Gran Canaria, Spain)

**50 years of extracorporeal lung support: Lessons from history**  12:00
Speaker: Michael Quintel (Göttingen, Germany)

**Perioperative ICU management of the high-risk surgical patient: Practical part**
#periop
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Scientific Programme

Crisis resource management: Group 1
Speaker: Torsten Schröder (Berlin, Germany)
Speaker: Marit Habicher (Berlin, Germany)
Speaker: Dagmar Schulte (Giessen, Germany)
Speaker: Marcus Mülich (Giessen, Germany)
Speaker: Michael Hüpfl (Vienna, Austria)

Vascular access/Airway management: Group 2
Speaker: Nick Fletcher (London, United Kingdom)
Speaker: Michael Hiesmayr (Vienna, Austria)
Speaker: Paola Wolf (Vienna, Austria)
Speaker: Karl Schebesta (Vienna, Austria)
Speaker: Clemens Ortner (Vienna, Austria)

Postgraduate Course
13:00 - 14:35

EDIC I Refresher Course: GI System
#LIVES2017
Chair: Sameer Jog (Pune, India)
Chair: Marco Maggiorini (Zurich, Switzerland)

Abdominal hypertension and compartment syndrome
Speaker: Hans Flaatten (Bergen, Norway)
Discussion

Liver failure
Speaker: Julia Wendon (London, United Kingdom)
Discussion

Nutrition: What, when and how?
Speaker: Marlies Ostermann (London, United Kingdom)
Discussion

Intoxication
Speaker: Armand Girbes (Amsterdam, Netherlands)

Postgraduate Course
13:00 - 16:00

Advanced course in echocardiography: RV function
#cardio

Echo parameters
Speaker: Anthony McLean (Sydney, Australia)

What is known in the different clinical situations in the ICU?
Speaker: Antoine Vieillard-Baron (Boulogne, France)
Scientific Programme

**Cases/discussion**
Speaker: Michel Slama (Amiens, France)  
14:15

**Coffee break**
14:45

**How do I perform in practice an echo examination at the bedside and the report**
Speaker: Paul Mayo (New York, United States)  
15:00

**Pitfalls and mimickers**
Speaker: Philippe Vignon (Limoges, France)  
15:30

Postgraduate Course  
13:00 - 15:00  
**L3**

**Haemodynamic management: Clinical case-based discussion**
#cardio

Chair: Thomas Scheeren (Groningen, Netherlands)  
Chair: Jean-Louis Teboul (Kremlin-Bicetre, France)

**Station 1**
Speaker: Michael Pinsky (Pittsburgh, United States)  
Speaker: Hollmann Aya Bernal (London, United Kingdom)  
13:00

**Station 2**
Speaker: Xavier Monnet (Paris, France)  
Speaker: Bernd Saugel (Hamburg, Germany)  
13:30

**Station 3**
Speaker: Antonio Artigas (Barcelona, Spain)  
Speaker: Olfa Hamzaoui (Clamart, France)  
14:00

**Station 4**
Speaker: Daniel A. Reuter (Hamburg, Germany)  
Speaker: Ignacio Monge Garcia (Jerez de la Frontera, Spain)  
14:30

Postgraduate Course  
13:30 - 15:30  
**L6**

**Mechanical Ventilation: From basics to advanced treatment**
#lung

**Weaning from mechanical ventilation**
Speaker: Laurent Brochard (Toronto, Canada)  
13:30

**Pathophysiological alterations in COPD patients**
Speaker: Marco Ranieri (Rome, Italy)  
14:00

**Invasive and non-invasive ventilation in COPD patients**
Speaker: Arnaud Thille (Poitiers, France)  
14:20
Scientific Programme

Hands-on session 4
Speaker: Giacomo Grasselli (Milan, Italy)
Speaker: Lise Piquilloud (Lausanne, Switzerland)
Speaker: Tommaso Mauri (Milan, Italy)
Speaker: Lu Chen (Toronto, Canada)
Speaker: Thomas Staudinger (Vienna, Austria)
Speaker: Luigi Camporota (London, United Kingdom)

Postgraduate Course
14:00 - 16:00
L1
State of the art in sepsis management: Challenges in management of sepsis (Workshops)
#sepsis
Chair: Yasser Sakr (Jena, Germany)

Septic shock with ARDS
 Speaker: Richard Beale (London, United Kingdom)

Sepsis stewardship programmes
 Speaker: Massimo Girardis (Modena, Italy)

Management of the golden hours of sepsis
 Speaker: Jean-Louis Vincent (Brussels, Belgium)

Implementing antibiotic stewardship in my ICU
 Speaker: Jeroen Schouten (Radboud, Netherlands)

Postgraduate Course
14:00 - 15:30
L7
Basic course in echocardiography: Group C
#cardio

Hands-on
 Speaker: Bernard Cholley (Paris, France)
 Speaker: Gorazd Voga (Celje, Slovenia)
 Speaker: Matthieu Legrand (Paris, France)
 Speaker: Xavier Repesse (Paris, France)
 Speaker: Rosalba Spiritoso (London, United Kingdom)
 Speaker: Filippo Sanfilippo (Palermo, Italy)
 Speaker: Anna Bartunek (Vienna, Austria)
 Speaker: Thomas Wasserscheid (Vienna, Austria)
Scientific Programme

Postgraduate Course
14:00 - 15:35

Basic course in echocardiography: Group A
#cardio

Echo signs of pneumothorax  
Speaker: Paul Mayo (New York, United States)  
14:00

Pleural effusion  
Speaker: Paul Mayo (New York, United States)  
14:20

Lung condensation: Pneumonia, atelectasis,...  
Speaker: Daniel Lichtenstein (Paris, France)  
14:40

Respiratory distress: Basic approach using US  
Speaker: Philippe Vignon (Limoges, France)  
15:00

Diaphragmatic function: How to evaluate  
Speaker: Nadia Aissaoui (Paris, France)  
15:20

Postgraduate Course
14:00 - 15:35

Basic course in echocardiography: Group B
#cardio

Clinical case pneumothorax (pleural sliding present and absent, 2D and M-mode, lung point)  
Speaker: Aarne Feldheiser (Berlin, Germany)  
14:00

Clinical cases of pleural effusion and their importance  
Speaker: Bruno Mora (Vienna, Austria)  
14:20

Clinical cases of lung condensation  
Speaker: Yanick Beaulieu (Montreal, Canada)  
14:40

Practical approach to respiratory distress  
Speaker: Yanick Beaulieu (Montreal, Canada)  
15:00

Examples of diaphragmatic evaluation, pitfalls in measurement  
Speaker: Eric Maury (Paris, France)  
15:20

NEXT Day - ECMO: Pro/con
#ESICMNEXT

Chair: Adrian Wong (Oxford, United Kingdom)  
Chair: Beatriz Lobo Valbuena (Madrid, Spain)
Scientific Programme

**Pro: Never say never, ECMO is always an option**  
Speaker: Steffen Weber-Carstens (Berlin, Germany)  
14:00

**Con: Never say never, ECMO is always an option**  
Speaker: Giacomo Bellani (Monza, Italy)  
14:30

Postgraduate Course  
14:00 - 16:30  
University of Vienna

**Perioperative ICU management of the high-risk surgical patient: Practical part**  
#periop

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**Crisis resource management: Group 2**  
Speaker: Torsten Schröder (Berlin, Germany)  
Speaker: Marit Habicher (Berlin, Germany)  
Speaker: Dagmar Schulte (Giessen, Germany)  
Speaker: Marcus Mülich (Giessen, Germany)  
Speaker: Michael Hüpfli (Vienna, Austria)  
14:00

**Vascular access/Airway management: Group 1**  
Speaker: Nick Fletcher (London, United Kingdom)  
Speaker: Michael Hiesmayr (Vienna, Austria)  
Speaker: Clemens Ortner (Vienna, Austria)  
Speaker: Paola Wolf (Vienna, Austria)  
Speaker: Karl Schebesta (Vienna, Austria)  
14:45

**Questionnaire: Group 1 & 2**  
15:30

**Wrap-up**  
Speaker: Michael Sander (Giessen, Germany)  
16:00

Postgraduate Course  
15:00 - 16:10  
Berlin

**EDIC I Refresher Course: Miscellaneous**  
#LIVES2017

Chair: Hans Flaatten (Bergen, Norway)  
Chair: Christian Sitzwohl (Vienna, Austria)

**Scoring systems**  
Speaker: Rui Paulo Moreno (Lisbon, Portugal)  
15:00
Scientific Programme

Discussion 15:20
Ethics 15:25
Speaker: Francesca Rubulotta (London, United Kingdom)
Discussion 15:45
Hardest MCQs of the year 15:50
Speaker: Christian Sitzwohl (Vienna, Austria)

Postgraduate Course
15:00 - 16:40
Room 1.61

NEXT Day - ECMO: Hot topics #ESICMNEXT
Chair: Brijesh Patel (London, United Kingdom)
Chair: Charlotte van den Berg (Groningen, Netherlands)

End-of-life decisions on ECMO: Ethical considerations 15:00
Speaker: Jozef Kesecioglu (Utrecht, Netherlands)
E-CPR 15:20
Speaker: Kjetil Sunde (Oslo, Norway)
Coagulation, anticoagulation, haemotherapy 15:40
Speaker: Dietmar Fries (Innsbruck, Austria)
Low-flow devices (ECCO2R) 16:00
Speaker: Marco Maggiorini (Zurich, Switzerland)
ECMO: Only in (specialised?) centres? 16:20
Speaker: Dirk Donker (Utrecht, Netherlands)

Postgraduate Course
16:00 - 16:20
Paris

EDIC II Preparation Course #LIVES2017
Tips & guide to educational resources 16:00
Speaker: Frantisek Duska (Prague, Czech Republic)

Postgraduate Course
16:00 - 16:45
L6

Mechanical Ventilation: From basics to advanced treatment #lung
Scientific Programme

Short cases for common discussion 16:00
Speaker: John Laffey (Toronto, Canada)

Summary and conclusions 16:30

Thematic Session
17:00 - 18:25  Hall A

Opening session
#LIVES2017

Welcome address 17:00
Speaker: Massimo Antonelli (Rome, Italy)

Presentation of Honorary Membership to Hans Flaatten, Marco Maggiorini, Antonio Pesenti, Mervyn Singer & Claudia Spies 17:15
Speaker: Jozef Kesecioglu (Utrecht, Netherlands)

Presentation of ESICM Medal to Jean Carlet 17:20
Speaker: Massimo Antonelli (Rome, Italy)

The vital role of psychological safety in patient safety 17:25
Speaker: Amy C. Edmondson (Boston, United States)

30th Congress highlights 17:45
Speaker: Maurizio Cecconi (London, United Kingdom)

ESICM 1982-2017: From pampers to maturity and excellence 17:55
Speaker: Peter Suter (Geneva, Switzerland)

Closing remarks & exhibition opening 18:15
Speaker: Massimo Antonelli (Rome, Italy)
Keynote Lecture
08:00 - 08:25
Vienna

Preventing ventilatory induced lung injury: What progress has been made?
#lung
Chair: Giacomo Bellani (Monza, Italy)

Presentation 08:00
Speaker: Marco Ranieri (Rome, Italy)

Thematic Session
08:30 - 09:30
Vienna

Intubation and extubation: Tips and tricks
#lung
Chair: Alexandre Demoule (Paris, France)
Chair: Gennaro De Pascale (Rome, Italy)

Preoxygenation for emergency intubation 08:30
Speaker: Samir Jaber (Montpellier, France)

Discussion 08:45

Extubation: As simple as pulling a tube? 08:50
Speaker: Arnaud Thille (Poitiers, France)

Discussion 09:05

Minimising the risk of reintubation 09:10
Speaker: Salvatore Maggiore (Chieti, Italy)

Discussion 09:25

Thematic Session
08:30 - 09:30
Berlin

Beta agonists/beta blockers: Why and when?
#cardio
Chair: Xavier Monnet (Paris, France)
Chair: Djillali Annane (Garches, France)
Twitter Chair: Olusegun Oladele Olusanya (Aylesbury, United Kingdom)

AMI: Beta-agonists or beta-blockers? 08:30
Speaker: Alexandre Mebazaa (Paris, France)

Discussion 08:45
Scientific Programme

**Beta agonists in septic shock: When and why?**
Speaker: Jean-Louis Vincent (Brussels, Belgium)

**Discussion**

**Is there a place for beta-blockers in 2017 for septic patients?**
Speaker: Daniel De Backer (Braine L'Alleud, Belgium)

**Discussion**

**Critical emergency situations**

**Amsterdam**

08:30 - 09:30

**Chair:** Matthieu Legrand (Paris, France)  
**Chair:** Dirk Donker (Utrecht, Netherlands)

**How do I initially manage my burn patient?**
Speaker: David Lockey (Bristol, United Kingdom)

**Discussion**

**Further care of the burn patient in the ICU**
Speaker: Matthieu Legrand (Paris, France)

**Discussion**

**ECMO for emergency treatment of acute poisoning**
Speaker: Bruno Mégarbane (Paris, France)

**Discussion**

**Barcelona**

08:30 - 09:30

**The Life-Priority session: Back to life after ICU**

**#ethic**

**Chair:** Jean-Daniel Chiche (Paris, France)  
**Chair:** Massimo Antonelli (Rome, Italy)

**Keeping the patient at the centre of everything we do**
Speaker: Ruth Kleinpell (Chicago, United States)

**Discussion**

**What happens when our patients leave the hospital?**
Speaker: Margaret Herridge (Toronto, Canada)

**Discussion**
Scientific Programme

Improving outcomes with rehabilitation
Speaker: Paul Wischmeyer (Aurora, United States)
Discussion

Thematic Session
08:30 - 09:30

ICM: Year in review 1
#LIVES2017
Chair: Giuseppe Citerio (Monza, Italy)
Chair: Elie Azoulay (Paris, France)
Twitter Chair: Stephen Shepherd (London, United Kingdom)

Acute kidney injury
Speaker: Miet Schetz (Leuven, Belgium)
Discussion

Sepsis
Speaker: Anders Perner (Copenhagen, Denmark)
Discussion

Ethics
Speaker: J. Randall Curtis (Seattle, United States)
Discussion

The three best 2016 ICM papers
Speaker: Elie Azoulay (Paris, France)

LIVES Interactive Debates
08:30 - 09:30

Molecular vs. conventional diagnostic of sepsis
INF/SIS
#sepsis#micro
Chair: Mervyn Singer (London, United Kingdom)

Debate
Speaker: Pedro Povoa (Lisbon, Portugal)
Speaker: Dylan de Lange (Utrecht, Netherlands)
Speaker: Michael Bauer (Jena, Germany)
Scientific Programme

Clinical Challenges Session
08:40 - 09:30

**How do I manage increased ICP?**
#neuro
Chair: Claude Hemphill (San Francisco, United States)

**Presentation**
Speaker: Nino Stocchetti (Milan, Italy)

Clinical Challenges Session
08:40 - 09:30

**How do I sedate this patient?**
#outcomes
Chair: Hans Flaatten (Bergen, Norway)

**Presentation**
Speaker: Michelle Chew (Malmö, Sweden)

Clinical Challenges Session
08:40 - 09:30

**How do I manage source control in septic patients?**
#sepsis
Chair: Jan De Waele (Ghent, Belgium)

**Presentation**
Speaker: Ignacio Martin-Loeches (Dublin, Ireland)

Clinical Challenges Session
08:40 - 09:30

**How do I handle severe liver failure?**
#metabolic
Chair: Kenneth Christopher (Boston, United States)

**Presentation**
Speaker: Julia Wendon (London, United Kingdom)
**Scientific Programme**

Clinical Challenges Session  
08:40 - 09:30  
**How do I manage difficult communication with families?**  
#ethic  
Chair: Jozef Kesecioglu (Utrecht, Netherlands)  
**Presentation**  
Speaker: Andrej Michalsen (Tettnang, Germany)  

NEXT Lounge  
09:00 - 10:00  
**Blackboard lecture**  
#ESICMNEXT  
Chair: Björn Weiss (Berlin, Germany)  
Chair: Steven Thiessen (Leuven, Belgium)  

Understanding how to recognise and treat sepsis  
Speaker: Andrew Rhodes (London, United Kingdom)  

Tech Lounge  
09:00 - 10:00  
**Big Data in ICM research: Reality or the future?**  
#tech  
Chair: Theodoros Kyprianou (Nicosia, Cyprus)  
Chair: Maurizio Cecconi (London, United Kingdom)  
Twitter Chair: Matthew J. Rowland (Oxford, United Kingdom)  

Big Data: Now a reality  
Speaker: Leo Anthony Celi (Boston, United States)  

The future is Big Data?  
Speaker: Derek Angus (Pittsburgh, United States)  

What questions can Big Data answer?  
Speaker: Theodoros Kyprianou (Nicosia, Cyprus)  

Big Data brainstorming with speakers and audience
Scientific Programme

EDIC Part I Exam

Campus der Universität Wien
Hall C1 (Hörsaal C1 - 2.6 on the map)
Spitalgasse 2
1090 Vienna, Austria

Chair: Christian Sitzwohl (Vienna, Austria)
Participant: Paul Elbers (Amsterdam, Netherlands)
Participant: Ravindra Kumar (Redhill, United Kingdom)
Participant: Rajnish Saha (Harlow, United Kingdom)
Participant: Olivier Pantet (Lausanne, Switzerland)

Simulation Centre
09:15 - 10:15
Simulation Centre - Mechanical Ventilation Area

MV area

Case scenario 09:15
Speaker: Giuseppe Foti (Monza, Italy)
Speaker: Lise Piquilloud (Lausanne, Switzerland)

Simulation Centre
09:15 - 10:15
Simulation Centre - TEE/TOE Area

TEE/TOE area

Demonstration of medical manikins 09:15
Hands-on 09:25
Speaker: Martin Balik (Prague, Czech Republic)
Speaker: Olfa Hamzaoui (Clamart, France)

Simulation Centre
09:15 - 10:45
Simulation Centre - ECMO Area

ECMO area

Hands-on 09:15
Speaker: Chirine Mossadegh (Paris, France)
Speaker: Sabine Valera (Marseille, France)
Speaker: Emric Besnard (Paris, France)
Speaker: Hugo Guillou (Paris, France)
Speaker: Dinis Reis Miranda (Groningen, Netherlands)
Speaker: Brijesh Patel (London, United Kingdom)
Scientific Programme

Simulation Centre
09:15 - 11:15

**Difficult airway management area - Focus on bronchoscopy in ICU**

**Hands-on**
09:15
Speaker: Sheila Nainan Myatra (Mumbai, India)
Speaker: Adrian Wong (Oxford, United Kingdom)
Speaker: Charlotte van den Berg (Groningen, Netherlands)

Oral Presentations
09:40 - 10:55

**Acute respiratory failure and MV experimental studies**

#lung

Chair: Paolo Pelosi (Genova, Italy)
Chair: Samir Jaber (Montpellier, France)

Comparison of three methods to measure lung compliance during a decremental PEEP trial in an experimental model of ARDS 09:40
Abstract Presenter: Jean-Christophe Richard (Lyon, France)

Effect of external negative pressure versus positive end-expiratory pressure on respiratory mechanics during recruitment of experimentally induced lung injury 09:55
Abstract Presenter: Andrzej Nestorowicz (Lublin, Poland)

Dynamic changes on pulmonary artery flow caused by mechanical ventilation. Cyclic worsening of pulmonary artery function in acute respiratory distress syndrome 10:10
Abstract Presenter: Arnoldo Santos (Madrid, Spain)

Effects of prone positioning and ultra-low tidal volume on transpulmonary driving pressure in a porcine model of ards 10:25
Abstract Presenter: Fabio Pino (Genova, Italy)

Abnormal diaphragm fibers in patients undergoing mechanical ventilation: a pilot study 10:40
Abstract Presenter: Judith Marin-Corral (Tarragona, Spain)

Oral Presentations
09:40 - 10:55

**Insight into the pathophysiology of sepsis**

#sepsis

Chair: Olivier Joannes-Boyau (Pessac, France)
Chair: Frauke Weidanz (Edinburgh, United Kingdom)

Characterization of metabolic signatures associated with early response to supportive therapy in patients with septic shock 09:40
Abstract Presenter: Bernardo Bollen Pinto (Geneva, Switzerland)
Immune evasion mechanism of E. coli as a target for sepsis treatment
Abstract Presenter: Mario Correia (São Paulo, Brazil)
09:55

Oxidant/antioxidant status of adult and pediatric ICU patients: a key role for sepsis and mortality
Abstract Presenter: Marianna Miliaraki (Heraklion, Crete, Greece)
10:10

Longitudinal changes of metabolic and bioenergetic patterns in critically ill children with sepsis (S) compared to those with SIRS
Abstract Presenter: A.M. Spanaki (Heraklion, Greece)

Mitochondrial dysfunction in a tissue slice model of septic acute kidney injury is caused by oxidative stress
Abstract Presenter: Sean J. Pollen (London, United Kingdom)
10:25

Oral Presentations
09:40 - 10:55
Amsterdam

Microcirculation and fluid responsiveness
#cardio
Chair: Jan Bakker (Rotterdam, Netherlands)
Chair: Glenn Hernandez (Santiago, Chile)

Influence of the different fluid on the vascular endothelial barrier permeability and glycocalyx layer in a rats model of the acute normovolemic hemodilution
Abstract Presenter: Bulent Ergin (Amsterdam, Netherlands)
09:40

Influence of fluid challenge administration rate on endothelial glycocalyx and major macrohemodynamic variables in surgical and septic patients
Abstract Presenter: Jiri Pouska (Plzen, Czech Republic)
09:55

Glycocalyx degradation is independent of vascular barrier dysfunction in non-traumatic hemorrhagic shock
Abstract Presenter: Philippe Guerci (Vandoeuvre-Les-Nancy, France)
10:10

Limitations of using grid-based point-of-care assessment for scoring microcirculatory alterations
Abstract Presenter: Yasin Ince (Amsterdam, Netherlands)
10:25

The assessment of fluid responsiveness in undifferentiated shock using corrected flow time measured by Doppler ultrasound of carotid artery after passive leg raise maneuver
Abstract Presenter: Igor Barjaktarevic (Los Angeles, United States)
10:40
Scientific Programme

Oral Presentations
09:40 - 10:55

**Therapy and prognosis of acute brain injury**

#neuro

Chair: Giuseppe Citerio (Monza, Italy)
Chair: Hervé Quintard (Nice, France)

- **09:40**
  Acute magnetic resonance imaging predicts neurocognitive outcome after aneurysmal subarachnoid haemorrhage
  Abstract Presenter: Matthew J. Rowland (Oxford, United Kingdom)

- **09:55**
  Hypothermia to control intracranial pressure following traumatic brain injury is associated with significant differences in outcomes, management and physiology: results of additional data collection from the Eurotherm3235 trial
  Abstract Presenter: Jonathan Rhodes (Edinburgh, United Kingdom)

- **10:10**
  Decompressive craniectomy after traumatic brain injury and brain monitoring
  Abstract Presenter: Ana V. Ferreira (Matosinhos, Portugal)

- **10:25**
  Transfusion Requirements after Head Trauma (TRAHT): a randomized clinical trial
  Abstract Presenter: André Gobatto (São Paulo, Brazil)

- **10:40**
  Cumulative intracranial pressure and cerebral perfusion pressure burdens as determinants of early mortality after severe traumatic brain injury
  Abstract Presenter: Halinder Mangat (New York, United States)

Oral Presentations
09:40 - 10:55

**Cardiac arrest management**

#trauma

Chair: Claudio Sandroni (Rome, Italy)
Chair: Kjetil Sunde (Oslo, Norway)

- **09:40**
  Increase in bystander cardiopulmonary resuscitation is associated with increased rates of "chest compression only" resuscitation - a nationwide study
  Abstract Presenter: Jacob Hollenberg (Stockholm, Sweden)

- **09:55**
  Termination of resuscitation rule in pediatric patients with out-of-hospital cardiac arrest
  Abstract Presenter: Tomonao Yoshida (Sapporo, Japan)

- **10:10**
  Impact of supplementation of selenium on oxidative stress in patient after cardiac arrest
  Abstract Presenter: Marek Janotka (Prague, Czech Republic)
Scientific Programme

**10:25**
The optimum chest compression site with regard to heart failure demonstrated by a three-dimensional coordinate system imposed on computed tomography
Abstract Presenter: Sung-Bin Chon (Seongnam, Korea, Republic of)

**10:40**
Automated pupillometry for early prognostication in comatose cardiac arrest patients: preliminary results of a multicenter study
Abstract Presenter: Mauro Oddo (Lausanne, Switzerland)

**Glasgow**

**New therapies for AKI**

Chair: Marlies Ostermann (London, United Kingdom)
Chair: Eric Hoste (Ghent, Belgium)

**Ciclosporin to protect renal function in cardiac surgery (CiPRICS). A double blind, randomized, placebo controlled, proof of concept study**
Abstract Presenter: Per Ederoth (Lund, Sweden)

**Biomarker-guided intervention to prevent acute kidney injury after major surgery: the prospective randomized BigpAK study**
Abstract Presenter: Ivan Göcze (Regensburg, Germany)

**Resistin reversibly impairs intracellular bacterial killing in neutrophils by affecting reactive oxygen species generation**
Abstract Presenter: Anthony Bonavia (Hershey, United States)

**Impact analysis of an integrated electronic alert for those at risk or with acute kidney injury: effects on process measures**
Abstract Presenter: Luke E. Hodgson (Worthing, United Kingdom)

**Comparison of two continuous renal replacement techniques associated with an increased absorption membrane: a randomized control trial**
Abstract Presenter: Erika Paola Plata-Menchaca (México, Mexico)

**Lisbon**

**Outcome prediction and scoring systems**

Chair: Rui Paulo Moreno (Lisbon, Portugal)
Chair: Andreas Valentin (Schwarzach, Austria)

**Derivation and validation of the PEAR score to predict outcome in critically ill patients**
Abstract Presenter: Kenneth Christopher (Boston, United States)
Scientific Programme

**Outcome prediction in ICU patients with a prolonged length of stay: how to use organ failure scores?**
Abstract Presenter: Ivo W. Soliman (Utrecht, Netherlands)

**Simplified prognostic model for critically ill patients in resource limited settings in South Asia**
Abstract Presenter: Rashan Haniffa (Colombo, Sri Lanka)

**Performance of critical care prognostic scoring systems in low and middle income countries - a systematic review**
Abstract Presenter: Rashan Haniffa (Colombo, Sri Lanka)

**Long-term prognostication in the ICU: a systematic review into available prediction models**
Abstract Presenter: Ivo W. Soliman (Utrecht, Netherlands)

Oral Presentations
09:40 - 10:55

**Macro- & micronutrient supplementation**

#metabolic

Chair: Carole Ichai (Nice, France)
Chair: Pierre Singer (Petah Tiqva, Israel)

**Iron deficiency diagnosed using hepcidin on ICU discharge is an independent risk factor for death and poor quality of life at one year: an observational study 1282 patients**
Abstract Presenter: Sigismond Lasocki (Angers, France)

**Omega-3 PUFAs in critically ill patients with acute respiratory distress syndrome: an updated systematic review and meta-analysis**
Abstract Presenter: Pascal Laferriere-Langlois (Sherbrooke, Canada)

**A supplemental intravenous amino acid infusion sustains an improved protein balance for 24 hours in critically ill patients**
Abstract Presenter: Martin Sundström Rehal (Stockholm, Sweden)

**Current pharmaconutrition practices in the ICU: results of the International Nutrition Survey 2014-2015**
Abstract Presenter: William Manzanares (Montevideo, Uruguay)

**Leucine-enriched essential amino acid supplementation in mechanically ventilated trauma patients - a feasibility study**
Abstract Presenter: Liesl Wandrag (London, United Kingdom)
Scientific Programme

Oral Presentations
09:40 - 10:55

Transfusion and haemostasis
#periop

Chair: David Mazer (Toronto, Canada)
Chair: Jordi Rello (Barcelona, Spain)

Can arterio-venous-oxygen content difference be a target to guide transfusion in critically ill patients?
Abstract Presenter: Alberto Fogagnolo (Ferrara, Italy) 09:40

High transfusion ratio of fresh frozen plasma (FFP): red blood cells (RBC) in severe trauma. Analysis of a French trauma registry (Traumabase)
Abstract Presenter: Florian Roquet (Paris, France) 09:55

LOVE project - LMWHs prOphylaxis of venous thrombembolism in ICU patiEnts in the Czech Republic and Slovak Republic
Abstract Presenter: Marek Protuš (Prague, Czech Republic) 10:10

Transfusion of fresh frozen plasma but not red blood cells transfusion increases the risk of pneumonia after cardiac surgery
Abstract Presenter: Alfredo González Pérez (Oviedo, Spain) 10:25

Platelet trajectories characterization and its association with mortal events
Abstract Presenter: Yue Wei (Pittsburgh, United States) 10:40

Highlights of N&AHP research
#ESICMNAHP

Chair: Ruth Endacott (Plymouth, United Kingdom)
Chair: Bronagh Blackwood (Belfast, United Kingdom)

A sense of agency: an ethnographic exploration of being awake during mechanical ventilation in the intensive care unit
Abstract Presenter: Eva Laerkner (Odense C, Denmark) 09:40

Nursing evaluation of comfort in acute hypoxemic respiratory failure patients with high flow nasal cannula
Abstract Presenter: Filippo Binda (Milan, Italy) 09:55

Abstract Presenter: Alessandro Galazzi (Milan, Italy)

Evaluating risk factors that may predict pulmonary complications in patients with chest wall trauma
Abstract Presenter: Tammy Lea (Birmingham, United Kingdom) 10:10

Feasibility of the Electrolarynx for Enabling Communication in the CHrOnically Critically Ill (The EECCHO study)
Abstract Presenter: Louise Rose (Toronto, Canada) 10:25
Scientific Programme

Physiotherapist prediction of extubation outcome in the adult intensive care unit
Abstract Presenter: Gabriella Cork (London, United Kingdom)

LIVES Interactive Debates
09:45 - 10:45

Abdominal sepsis: Early source control vs. conservative management
INF/SIS
#micro#sepsis
Chair: Jan De Waele (Ghent, Belgium)

Debate
Speaker: Philippe Montravers (Paris, France)
Speaker: Manu Malbrain (Antwerp, Belgium)
Speaker: Ignacio Martin-Loeches (Dublin, Ireland)

NEXT Lounge
10:00 - 11:00

2025: The future of Intensive Care
#ESICMNEXT
Chair: Bernardo Bollen Pinto (Geneva, Switzerland)

Haemodynamics: New insights, new challenges
Speaker: Antoine Vieillard-Baron (Boulogne, France)
Speaker: Jean-Louis Teboul (Kremlin-Bicêtre, France)
Speaker: Azriel Perel (Tel Aviv, Israel)

Poster Corner
10:10 - 12:00

Mechanical ventilation: Experimental studies
#lung
Chair: John Laffey (Toronto, Canada)
Chair: Marco Ranieri (Rome, Italy)

Magnetic resonance imaging characterization of pulmonary artery dysfunction caused by acute lung injury in a porcine model
Abstract Presenter: Arnoldo Santos (Madrid, Spain)

Effect of PEEP on recruitment/derecruitment during Neurally Adjusted Ventilatory Assist in experimental ARDS
Abstract Presenter: Hannes Lantz (Uppsala, Sweden)
Scientific Programme

Effects of antithrombin and heparin for the treatment of acute lung injury in rats
Abstract Presenter: Neus Tantinyà (Sabadell, Spain)

The homing and protective effects of mesenchymal stem cells overexpressing CXCR7 in LPS-induced acute respiratory distress syndrome mice
Abstract Presenter: Jianxiao Chen (Nanjing, China)

Chemokine receptor 7 overexpression promotes mesenchymal stem cells homing via autocrine Chemokine ligand 12
Abstract Presenter: Ling Liu (Nanjing, China)

Effects of mild-moderate hypothermia during lung protective ventilation
Abstract Presenter: Ivan Blokhin (Uppsala, Sweden)

Acceleration of lung-derived myofibroblast formation by dobutamine via adrenergic β receptor and CREB
Abstract Presenter: Naoyuki Matsuda (Nagoya, Japan)

Cell therapies for the treatment of acute lung injury in an experimental model
Abstract Presenter: Marta Camprubí-Rimblas (Sabadell, Spain)

The protective effect of polydeoxyribonucleotide (PDRN) on acute lung injury (ALI)
Abstract Presenter: Jae Joon Hwang (Seoul, Korea, Republic of)

A new synthetic pulmonary surfactant for potential treatment of ARDS: preliminary results
Abstract Presenter: Jakub Zebialowicz (Stockholm, Sweden)

Haemodynamics during end-expiratory positive pressure and external negative pressure in a porcine model of lung injury
Abstract Presenter: Anna Fijalkowska-Nestorowicz (Lublin, Poland)

Molecular expression in ventilator-associated pneumonia (VAP)
Abstract Presenter: Leonor Nogales-Martin (Valladolid, Spain)

Isoplanar differences in healthy and injured lungs explored in vivo by synchrotron radiation computed tomography
Abstract Presenter: Gaetano Scaramuzzo (Ferrara, Italy)

Multiple transient pendelluft phenomena occur during spontaneous breathing in experimental mild acute respiratory distress syndrome
Abstract Presenter: Gaetano Perchiazzi (Bari, Italy)

Long-term consequences of regional block of pulmonary perfusion in mechanically ventilated healthy pigs
Abstract Presenter: Tommaso Mauri (Milan, Italy)

Acute kidney injury: Biomarkers and outcome

#renal

Chair: John Prowle (London, United Kingdom)
Chair: Ville Pettitilä (Helsinki, Finland)
Scientific Programme

The use of creatinine and cystatin C to quantify renal dysfunction in AKI survivors
Abstract Presenter: Claire Stigare (Stockholm, Sweden)

Positive fluid balance is associated with increased time for correction of hypernatremia in critically ill patients
Abstract Presenter: André Gobatto (São Paulo, Brazil)

Proenkephalin, the new marker for kidney function on the Intensive care unit?
Abstract Presenter: Remi Beunders (Nijmegen, Netherlands)

Combined assessment of lactate and glucose early after ICU admission and its relation with acute kidney injury
Abstract Presenter: Pedro Freire Jorge (Groningen, Netherlands)

Relationship between Body Mass Index and development of acute renal injury and mortality in severe acute pancreatitis
Abstract Presenter: Eduardo Santiago Cruz Montesinos (Mexico, Mexico)

Urinary neutrophil gelatinase-associated lipocalin is associated with long-term renal outcomes in ICU survivors
Abstract Presenter: Kent Doi (Tokyo, Japan)

Acute kidney injury (AKI) after lung transplantation (LT): perioperative associated factors
Abstract Presenter: Enora Atchade (Paris, France)

Cerebral oximetry alone can predict acute kidney injury after cardiac surgery
Abstract Presenter: Canan Balci (Kocaeli, Turkey)

Hemofiltration veno-venous continuous high and very high volume, pulmonary (paO2/FiO2) function and mortality in refractory septic shock patients
Abstract Presenter: Maria-Victoria de la Torre-Prados (Málaga, Spain)

Dynamic contrast-enhanced ultrasound identifies microcirculatory alterations in sepsis-induced acute kidney injury
Abstract Presenter: Alexandre Lima (Rotterdam, Netherlands)

The use of functional and structural biomarkers as predictors in the prognosis of acute kidney injury (AKI): preliminary report
Abstract Presenter: Alfredo Aisa Alvarez (Mexico City, Mexico)

Short-term mortality after Continuous Renal Replacement Therapy (CRRT) in maintenance hemodialysis patients: a scoring system of short-term mortality risk after CRRT
Abstract Presenter: Toma Hamada (Tokyo, Japan)

Usefulness of SOFA score as a predictor of mortality in critical patients subjected to continuous renal replacement therapy
Abstract Presenter: Alexandra Cortina (Barcelona, Spain)

Long-term outcome in ICU patients treated with renal replacement therapy - a 2 yr follow up study in Ireland: mortality and dialysis dependency
Abstract Presenter: Ahmed Mahmoud (Dublin, Ireland)
Poster Corner
10:10 - 12:00

**Fluid responsiveness**

#cardio

Chair: Hollmann Aya Bernal (London, United Kingdom)
Chair: Michel Slama (Amiens, France)

- **Transient or persistent fluid responders: toward a new definition of fluid responsiveness?**
  Abstract Presenter: Claire Roger (Nimes, France)

- **Does echocardiographic finding of “hyperdynamic right ventricle unproportionally to low stroke volume” predict fluid responsiveness? An interim report**
  Abstract Presenter: Yoshihisa Fujimoto (Urayasu, Japan)

- **Changes in Doppler E-wave Deceleration Time predicts non-fluid responsiveness in critically ill patients: a pilot study**
  Abstract Presenter: Emilio Daniel Valenzuela Espinoza (Buenos Aires, Argentina)

- **Effects of end-expiratory occlusion test application during pressure support ventilation**
  Abstract Presenter: Antonio Messina (Novara, Italy)

- **Assessing right ventricular volume responsiveness**
  Abstract Presenter: Michael Graessler (Hamburg, Germany)

- **Dynamic bedside evaluation of fluid responsiveness in hemodynamically unstable critically ill patients**
  Abstract Presenter: Ubaldo La Brocca (Roma, Italy)

- **Accuracy of the passing leg raising test in patients with intra-abdominal hypertension**
  Abstract Presenter: Alexandra Beurton (Le Kremlin-Bicêtre, France)

- **Can carotid and femoral Doppler assess the effects of passive leg raising?**
  Abstract Presenter: Valentina Girotto (Turin, Italy)

- **S wave variation to predict fluid responsiveness in icu patients undergoing controlled mechanical ventilation**
  Abstract Presenter: Antonio Messina (Novara, Italy)

- **Correlation of ultrasound measurement of IVC diameter with CVP and pulmonary artery pressures in mechanically ventilated patients**
  Abstract Presenter: Theodora Melissopoulou (Athens, Greece)

- **Prediction of fluid responsiveness in heterogeneous ICU-patients: a comparison of passive leg raising PLR, small volume challenge, CVC, ScvO2 and global enddiastolic volume index GEDVI with and without correction for femoral CVC**
  Abstract Presenter: Wolfgang Huber (Munich, Germany)

- **Passive leg raising to predict fluid responsiveness after cardiac surgery**
  Abstract Presenter: Ligia Camara (Sao Paulo, Brazil)

- **Is bioreactance capable to assess the effects of passive leg raising and to track cardiac output variation in critically ill patients?**
  Abstract Presenter: Laura Galarza (Castellon, Spain)

- **Predicting fluid responsiveness in paediatric septic shock: a Guytonian approach**
  Abstract Presenter: Pietro Bertini (Pisa, Italy)
Scientific Programme

A comparison of echocardiography and the pressure recording analytical method (PRAM) for predicting fluid responsiveness after passive leg raising
Abstract Presenter: Aycan Ozdemirkan (Ankara, Turkey)

Pneumonia: Basic and clinical research
#micro
Chair: Despoina Koulenti (Brisbane, Australia)
Chair: Gennaro De Pascale (Rome, Italy)

Aerosol delivery of Aztreonam lysine (AZLI): In vitro comparison of two vibrating-mesh nebulizer during adult mechanical ventilation (MV)
Abstract Presenter: Alejandro Rodríguez (Tarragona, Spain)

The clinical characteristics and prognostic risk factors of healthcare-associated pneumonia in a Korean Tertiary Teaching Hospital
Abstract Presenter: Eun Young Choi (Daegu, Korea, Republic of)

The association between implementation of “Bundles of Care” and possible ventilator associated pneumonia (pVAP) among mechanically ventilated patients in the intensive care unit: a quasi-experimental study
Abstract Presenter: Anna Francesca Abarquez (Pasig City, Philippines)

Ventilator associated pneumonia rate in an anesthesiology and reanimation intensive care unit in Turkey: ten-year surveillance results
Abstract Presenter: Ayşe Özcan (Ankara, Turkey)

Ventilator associated pneumonia and ventilator associated tracheobronchitis. Are they different pathologies?
Abstract Presenter: Hugo Rodríguez Pérez (Las Palmas de Gran Canaria, Spain)

Diagnostic and prognostic values of serum C-reactive protein, procalcitonin, soluble urokinase plasminogen activator receptor and neopterin levels in hospitalized patients in intensive care unit with ventilator associated pneumonia
Abstract Presenter: Çetin Kaymak (Ankara, Turkey)

Ventilator associated pneumonia: a cheshire & mersey critical care network pilot audit
Abstract Presenter: Diane Murray (Liverpool, United Kingdom)

A study of ventilator associated pneumonia in a Tunisian medical ICU: incidence and risk factors
Abstract Presenter: Mohamed Boussarsar (Sousse, Tunisia)

Trends in ventilator associated pneumonia (VAP) rate in patients assisted with NIV for acute on chronic respiratory failure (AE/CRF) in a Tunisian medical ICU, 2000 - 2015
Abstract Presenter: Mohamed Boussarsar (Sousse, Tunisia)

Can we treat ICU-acquired respiratory infections like community-acquired infections?
Abstract Presenter: Celina Gonçalves (Porto, Portugal)

Ventilator-associated pneumonia (VAP) development in tracheostomized patients
Abstract Presenter: Elena Trujillo-Garcia (Málaga, Spain)
Scientific Programme

Development of a clinical criteria for diagnosing and monitoring ventilator-associated pneumonia in a UK regional network
Abstract Presenter: Gedeon Lemma (Liverpool, United Kingdom)

Gram stain at 24 hours after antibiotic administration predicts effectiveness of antibiotics in ICU patients with respiratory tract infection?
Abstract Presenter: Emiko Nakataki (Tokushima, Japan)

Compared ventilator-associated pneumonia and mortality rates between NIV and IMV in a medical Tunisian ICU
Abstract Presenter: Mohamed Boussarsar (Sousse, Tunisia)

Poster Corner
10:10 - 12:00

Gastrointestinal dysfunction
#metabolic

Chair: Annika Reintam Blaser (Tartu, Estonia)
Chair: Danielle Bear (London, United Kingdom)

Thiazides for the treatment of hypernatremia in critically ill patients
Abstract Presenter: André Gobatto (São Paulo, Brazil)

Prognostic value of maximum acute gastrointestinal injury score, NUTRIC score and 1st-week cumulative caloric debt: a prospective, multicenter cohort study from the Sociedad Argentina de Terapia Intensiva (SATI)
Abstract Presenter: Cecilia I. Loudet (La Plata, Argentina)

Gastrointestinal failure affects outcome of intensive care
Abstract Presenter: Martin Padar (Tartu, Estonia)

Influence of Spanish society of intensive care (SEMICYUC) recommendations in the evolution of acute pancreatitis
Abstract Presenter: Rosario Fernández Fernández (Granada, Spain)

Pneumatosis intestinalis in critically ill patients: a retrospective observational study
Abstract Presenter: Sato Takeaki (Sendai-shi, Japan)

Epidemiology of severe acute pancreatitis in ICU
Abstract Presenter: Adriana García Herrera (Pamplona, Spain)

Measurement of salivary cortisol levels in critically ill patients
Abstract Presenter: Jinwoo Lee (Seoul, Korea, Republic of)

Clinical study of early enteral nutrition support in severe burn patients
Abstract Presenter: Yuwen Wu (Suzhou, China)

The acute influence of acid suppression with esomeprazole on gastrointestinal microbiota and the gene expression profile of brain in a murine model of physiologic stress
Abstract Presenter: Robert Maclaren (Aurora, United States)

Potassium and phosphate excretion in the critically ill and their relation with sodium and chloride excretion
Abstract Presenter: Lara Hessels (Groningen, Netherlands)
Scientific Programme

Nasogastric tube displacement and interruption to nutritional support and enteral drug administration
Abstract Presenter: Naomi Ronan (London, United Kingdom)

The value of monitoring gastric residual volume in the enterally fed critically ill patient
Speaker: Elizabeth K. Potter (Guildford, United Kingdom)

Enteral feeding in the critically ill patient on vasopressor support - what is safe? A review of the current literature, and UK Intensive care unit dietetic practice
Speaker: Elizabeth K. Potter (Guildford, United Kingdom)

Is there any prognostic difference between severe and morbid obesity in cardiac surgery patients?
Abstract Presenter: Fotini Ampatzidou (Thessaloniki, Greece)

Acute brain injury 1
#neuro
Chair: Lara Prisco (Oxford, United Kingdom)
Chair: Romain Sonneville (Paris, France)

Factors associated with mortality and disability six months after discharge in patients with decompressive craniectomy in a neurotraumatic ICU
Abstract Presenter: Catalina Sánchez Ramírez (Las Palmas de Gran Canaria, Spain)

Decompressive neurosurgery in traumatic brain injury. A systematic review and meta-analysis
Abstract Presenter: Alessandro Putzu (Lugano, Switzerland)

Incidence of intracranial hypertension in spontaneous intracerebral hemorrhage patients
Abstract Presenter: Marco Carbonara (Barcelona, Spain)

Association of Intensive care on patients with mild traumatic brain injury from the Japanese national neurotrauma registry
Abstract Presenter: Chie Tanaka (Tokyo, Japan)

Timing to emergency neurosurgery - are we doing enough?
Abstract Presenter: Ana Margarida Fernandes (Lisboa, Portugal)

Evaluation of intracerebral hemorrhage score and apache II scale in patients admitted in intensive care by non-traumatic brain hemorrhage
Abstract Presenter: María Redondo-Orts (Granada, Spain)

A survey on fever monitoring and management in patients with acute brain injury (SUMMA)
Abstract Presenter: Edoardo Picetti (Parma, Italy)

A comparison of non-invasive methods for estimation of intracranial pressure
Abstract Presenter: Selene Pozzebon (Brussels, Belgium)

Who should place intraparenchymal pressure monitoring, neurosurgeons or intensivists? Comparative results of two centers
Abstract Presenter: Denis Robaglia (Madrid, Spain)
Scientific Programme

Optimal cerebral perfusion pressure based on pressure-reactivity index in paediatric traumatic brain injury
Abstract Presenter: Hari Krishnan Kanthimathinathan (Birmingham, United Kingdom)

SEDLine™ System, a useful adjunct for assessment of brain death in traumatic brain injury patients
Abstract Presenter: Rafael Badenes (Valencia, Spain)

An audit of cerebral perfusion pressure monitoring in a level one trauma neurointensive care unit: target CPP and transducer positioning
Abstract Presenter: Shayda Karimi (Nottingham, United Kingdom)

Optic nerve sheath diameter measurement by ultrasound to predict increase in intracranial pressure in traumatic brain injury
Abstract Presenter: Ashraf Al Tayar (Dhahran, Saudi Arabia)

Optic nerve ultrasound: a noninvasive tool for assessment of raised intracranial pressure (ICP)
Abstract Presenter: Rebeca Vara Arlanzón (Burgos, Spain)

Poster Corner
10:10 - 12:00

Cardiac arrest 1
#trauma
Chair: Hans Friberg (Lund, Sweden)
Chair: Claude Hemphill (San Francisco, United States)

Cardiac arrest in intensive care units. A 8-year single center report
Abstract Presenter: Helene David (Montpellier, France)

Predicting intact survival after prolonged cardiopulmonary resuscitation for refractory out-of-hospital cardiac arrest - who benefit from novel therapies?
Abstract Presenter: Kunihiko Maekawa (Sapporo, Japan)

Recurrent arrhythmia after resuscitation from ischemic ventricular fibrillation: analysis of the PROCAT registry
Abstract Presenter: Hugo Bellut (Paris, France)

Lower heart rate is associated with better outcome in out-of-hospital cardiac arrest patients
Abstract Presenter: Erika Wilkman (Helsinki, Finland)

Differences in reasons of not initiating out-of-hospital CPR in nursing home patients in Munich - a retrospective analysis
Abstract Presenter: Stefan J. Schaller (Munich, Germany)

Early predictors of cardiac arrest in patients managed for convulsive status epilepticus
Abstract Presenter: Stephane Legriel (Versailles, France)

Neurophysiology to aid prognostication following cardiac arrest in a UK tertiary referral centre, 2012-216
Abstract Presenter: Agnieszka Skorko (London, United Kingdom)
Impact of intra-aortic balloon pump on extracorporeal cardiopulmonary resuscitation: a retrospective cohort study
Abstract Presenter: Wataru Iwanaga (Okinawa Urasoe, Japan)

Severe metabolic acidosis after out-of-hospital cardiac arrest
Abstract Presenter: Matthieu Jamme (Paris, France)

Multimodal paradigm of short- and long-term prognostication in cardiac arrest survivors: results from a prospective registry
Abstract Presenter: Dagmar Vondrakova (Prague, Czech Republic)

The determination of neuron-specific enolase on day 3 and day 4 after cardiac arrest have the best predictive value. Results from a prospective study
Abstract Presenter: Dagmar Vondrakova (Prague, Czech Republic)

In-Hospital cardiac arrests after a new cardiac arrest code
Abstract Presenter: Magdalena López Carranza (Sevilla, Spain)

Lower heart rate is associated with good neurologic outcome in postcardiac arrest patients regardless of therapeutic hypothermia
Abstract Presenter: So Mi Shin (Seoul, Korea, Republic of)

Factors associated with survival of in-hospital recovered cardiac arrest. Results of the national registry in Spain
Abstract Presenter: Ramón Algarte (Terrassa, Spain)

Use of extra-corporeal life support in severe poisoning: a retrospective study
Abstract Presenter: Lucie Gaide-Chevronnay (Grenoble, France)

The pathophysiology of sepsis

Kinetics of endothelial progenitor cells mobilization after neuromuscular electrical stimulation in septic ICU patients and the role of muscle contraction strength
Abstract Presenter: Serafim Nanas (Athens, Greece)

Early increased levels of MR-proAdrenomedullin are associated with organ dysfunction and mortality in septic patients
Abstract Presenter: Jaume Baldirà (Barcelona, Spain)

Advanced glycation end products (AGEs) in septic patients and the "two hit hypothesis" of inflammation
Abstract Presenter: Emilio Rodriguez-Ruiz (Santiago de Compostela, Spain)

Are gastrointestinal motility disorders a risk factor for the development of sepsis?
Abstract Presenter: Jörn Schäper (Göttingen, Germany)

Evaluation of RV function in patients with sepsis
Abstract Presenter: Mohamed Fawzy (Cairo, Egypt)
Myocardial cholesterol levels and adrenergic signalling in a septic rat model  
Abstract Presenter: Anna Kleyman (Jena, Germany)

Different expression profile in primary cells exposed to septic plasma of rats  
Abstract Presenter: Josep Bringué (Sabadell, Spain)

Mechanisms of dysregulated host response in sepsis non-survivors of a 48 hours rat model of fecal peritonitis  
Abstract Presenter: Victor Jeger (Zürich, Switzerland)

Staphylococcus aureus sepsis elicit endothelial cells inflammation via activation of the TLR2/MAPK/NF-κB/COX2/PGE2 pathways  
Abstract Presenter: Ming Horng Tsai (Yunlin, Taiwan, Province of China)

Erythrophagocytosis and red blood cell complement regulatory proteins in critically ill patients  
Abstract Presenter: Nicolas Selvais (Charleroi, Belgium)

Sublingual microcirculation assessment in one fixed area identify the presence of sepsis-induced plugging of capillary vessels  
Abstract Presenter: Alexandre Lima (Rotterdam, Netherlands)

Induction of human lymphoma cell death by adrenergic beta receptor stimulation  
Abstract Presenter: Naoyuki Matsuda (Nagoya, Japan)

Central venous-to-arterial carbon dioxide difference combined with arterial-to-venous oxygen content difference (PcvaCO2/CavO2) is associated with microcirculatory alterations in early septic shock  
Abstract Presenter: Anna Pérez-Madrigal (Sabadell, Spain)

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Tech Lounge
10:30 - 11:30

Telemedicine: Changing models of care in ICM?
#tech

Chair: Olaf Cremer (Utrecht, Netherlands)  
Chair: Julian Bion (Birmingham, United Kingdom)  
Twitter Chair: Jamie Strachan (Oxford, United Kingdom)

Failure to rescue in the wards: human factors and technology  
Speaker: Charlie Corke (Geelong, Australia)  
10:30

High cost or cost saving?  
Speaker: Richard Beale (London, United Kingdom)  
10:45

Changing a model of care: A practical experience  
Speaker: Marius Terblanche (London, United Kingdom)  
11:00

Telemedicine brainstorming with speakers and audience  
11:15
Scientific Programme

Simulation Centre
10:30 - 11:30

Simulation Centre - Mechanical Ventilation Area

**MV area**

**Case scenario**
10:30
Speaker: Claude Guérin (Lyon, France)
Speaker: Lise Piquilloud (Lausanne, Switzerland)

Simulation Centre
10:30 - 11:30

Simulation Centre - TEE/TOE Area

**TEE/TOE area**

**Demonstration of medical manikins**
10:30

**Hands-on**
10:40
Speaker: Paul Mayo (New York, United States)
Speaker: Rosalba Spiritoso (London, United Kingdom)

Thematic Session
11:00 - 12:00

**Refractory septic shock**

#sepsis
Chair: Massimo Girardis (Modena, Italy)
Chair: Ricard Ferrer Roca (Barcelona, Spain)
Twitter Chair: Jamie Strachan (Oxford, United Kingdom)

**Vasoactive drugs**
11:00
Speaker: Daniel De Backer (Braine L'Alleud, Belgium)

**Discussion**
11:15

**Blood purification strategies**
11:20
Speaker: Massimo Antonelli (Rome, Italy)

**Discussion**
11:35

**Salvage therapies**
11:40
Speaker: Stefan Kluge (Hamburg, Germany)

**Discussion**
11:55
Scientific Programme

Thematic Session
11:00 - 12:00

Complications: When surgery doesn't go to plan
#periop

Chair: Rupert Pearse (London, United Kingdom)
Chair: Michael Sander (Giessen, Germany)

Kidney dysfunction
Speaker: Claudio Ronco (Vicenza, Italy)

Discussion

Cardiac dysfunction
Speaker: Sascha Treskatsch (Berlin, Germany)

Discussion

Brain dysfunction
Speaker: Arjen Slooter (Utrecht, Netherlands)

Discussion

From Bench to Bedside Session
11:00 - 12:00

ICM Experimental 1: Modelling clinical conditions
#LIVES2017

Chair: Mervyn Singer (London, United Kingdom)
Chair: Can Ince (Amsterdam, Netherlands)
Twitter Chair: Matthew J. Rowland (Oxford, United Kingdom)

Modelling ARDS
Speaker: Luciano Gattinoni (Milan, Italy)

Discussion

Modelling sepsis: An expert consensus view
Speaker: Marcin Osuchowski (Vienna, Austria)

Discussion

Modelling chronic critical illness
Speaker: Mervyn Singer (London, United Kingdom)

Discussion

Modelling AKI
Speaker: John Kellum (Pittsburgh, United States)

Discussion
Scientific Programme

Clinical Challenges Session
11:00 - 11:50

How do I choose the ideal fluid for my patient?
#renal
Chair: Manu Malbrain (Antwerp, Belgium)

Presentation
Speaker: Michael Joannidis (Innsbruck, Austria)

Clinical Challenges Session
11:00 - 11:50

How do I manage V-A ECMO on ICU?
#periop
Chair: David Mazer (Toronto, Canada)

Presentation
Speaker: Matthias Goepfert (Passau, Germany)

Clinical Challenges Session
11:00 - 11:50

How do I use ECMO for refractory cardiac arrest?
#trauma
Chair: Claudio Sandroni (Rome, Italy)

Presentation
Speaker: Fabio Silvio Taccone (Brussels, Belgium)

Clinical Challenges Session
11:00 - 11:50

How do I manage a patient who can't sleep?
#ESICMNAHP
Chair: Silvia Calvino Günther (Grenoble, France)

Presentation
Speaker: Carole Boulanger (Exeter, United Kingdom)
Scientific Programme

Clinical Challenges Session
11:00 - 11:50

How do I manage a difficult airway in ICU?

#lunge

Chair: Antonio Pesenti (Milan, Italy)

Presentation 11:00
Speaker: Samir Jaber (Montpellier, France)

Thematic Session
11:00 - 12:00

Too old for ICU: What does the evidence say?

#outcomes

Chair: Dylan de Lange (Utrecht, Netherlands)
Chair: Hans Flaatten (Bergen, Norway)

Twitter Chair: Stephen Shepherd (London, United Kingdom)

The ICE-CUB2 study 11:00
Speaker: Bertrand Guidet (Paris, France)

Discussion 11:15

The VIP1 study 11:20
Speaker: Hans Flaatten (Bergen, Norway)

Discussion 11:35

The REALISTIC 80 study 11:40
Speaker: Sangeeta Mehta (Toronto, Canada)

Discussion 11:55

Thematic Session
11:00 - 12:00

Empirical antibiotic prescription: What are the best strategies?

#micro

Chair: Jeroen Schouten (Radboud, Netherlands)
Chair: Antoni Torres (Barcelona, Spain)

Twitter Chair: Stephen Shepherd (London, United Kingdom)

Who is at risk of MDR infections? 11:00
Speaker: José Artur Paiva (Porto, Portugal)

Discussion 11:15

A restrictive approach in empirical therapy - small-spectrum is beautiful 11:20
Speaker: Jeffrey Lipman (Brisbane, Australia)

Discussion 11:35
30th Annual Congress of the European Society of Intensive Care Medicine,
23 - 27 September 2017,
Vienna, Austria

Scientific Programme

Surveillance cultures: Friend or foe?  
Speaker: Pedro Povoa (Lisbon, Portugal)  
11:40

Discussion  
11:55

NEXT Lounge
11:00 - 12:00

Research workshop

#ESICMNEXT
Chair: Peter Schellongowski (Vienna, Austria)
Chair: Friedrich Borchers (Berlin, Germany)

Study design workshop - Build a study today!  
Speaker: Geert Meyfroidt (Leuven, Belgium)  
Speaker: Claudia Spies (Berlin, Germany)  
Speaker: Katie Lane (London, United Kingdom)  
11:00

LIVES Interactive Debates
11:00 - 12:30

Frailty: Important concept or just another score?  
#outcomes
Chair: Rui Paulo Moreno (Lisbon, Portugal)

Debate  
Speaker: Gavin Joynt (Hong Kong, Hong Kong, China)  
Speaker: Dominique Benoit (Ghent, Belgium)  
Speaker: Margaret Herridge (Toronto, Canada)  
11:00

Simulation Centre
11:00 - 12:30

ECMO area

Hands-on  
Speaker: Chirine Mossadegh (Paris, France)  
Speaker: Sabine Valera (Marseille, France)  
Speaker: Hugo Guillou (Paris, France)  
Speaker: Emric Besnard (Paris, France)  
Speaker: Dinis Reis Miranda (Groningen, Netherlands)  
Speaker: Brijesh Patel (London, United Kingdom)  
11:00
Scientific Programme

Simulation Centre
11:30 - 13:30
Simulation Centre - Difficult Airway Management Area

Difficult airway management area - Focus on bronchoscopy in ICU

**Hands-on**  
11:30
Speaker: Sheila Nainan Myatra (Mumbai, India)
Speaker: Manuel Mendoza Ruano (Las Palmas de Gran Canaria, Spain)
Speaker: Beatriz Lobo Valbuena (Madrid, Spain)

NEXT Lounge
12:00 - 13:00
NEXT Lounge

**Lunch session**

#ESICMNEXT

Chair: Peter Schellongowski (Vienna, Austria)

*How do I get involved? Connect with NEXT!*  
12:00
Speaker: Björn Weiss (Berlin, Germany)

Tech Lounge
12:00 - 13:00
Tech Lounge

**Let's talk tech: What new technology do we need in ventilation?**

#tech

Chair: Brian Kavanagh (Toronto, Canada)
Twitter Chair: Olusegun Oladele Olusanya (Aylesbury, United Kingdom)

**Live debate**  
12:00
Speaker: Dimitris Georgopoulos (Heraklion, Greece)
Speaker: Luigi Camporota (London, United Kingdom)
Speaker: Marcelo Amato (Sao Paulo, Brazil)

Industry Sponsored Session
12:30 - 14:00
Vienna

**Industry sponsored session**

Industry Sponsored Session
12:30 - 14:00
Berlin

**Industry sponsored session**
30th Annual Congress of the European Society of Intensive Care Medicine,
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Vienna, Austria

Scientific Programme

Industry Sponsored Session
12:30 - 14:00
Amsterdam

Industry sponsored session

Industry Sponsored Session
12:30 - 14:00
Barcelona

Industry sponsored session

Industry Sponsored Session
12:30 - 14:00
Glasgow

Industry sponsored session

Industry Sponsored Session
12:30 - 14:00
Lisbon

Industry sponsored session

Industry Sponsored Session
12:30 - 14:00
Paris

Industry sponsored session

Industry Sponsored Session
12:30 - 14:00
Milan

Industry sponsored session

Industry Sponsored Session
12:30 - 14:00
Geneva

Industry sponsored session

NEXT Lounge
13:00 - 14:00
NEXT Lounge

Professional development

#ESICMNEXT
Chair: Adrian Wong (Oxford, United Kingdom)
Scientific Programme

Nurses and physicians: How to implement evidence at the bedside together
Speaker: Stijn Blot (Ghent, Belgium)
Speaker: David McWilliams (Birmingham, United Kingdom)
Speaker: Gennaro De Pascale (Rome, Italy)

Industry Sponsored Session
13:00 - 14:00
Tech Lounge

Industry sponsored session

NEXT Lounge
14:00 - 15:00
NEXT Lounge

That was a challenging case!
#ESICMNEXT
Chair: Gennaro De Pascale (Rome, Italy)

Case 1
Speaker: Mervyn Singer (London, United Kingdom)

Poster Corner
14:00 - 15:50
Poster Corner

Acute respiratory failure: Clinical studies
#lung
Chair: Brijesh Patel (London, United Kingdom)
Chair: Geoffrey Bellingan (London, United Kingdom)

Diagnostic and prognostic value of heparin binding protein in patients with acute respiratory distress syndrome
Abstract Presenter: Sameh El Maraghi (Cairo, Egypt)

Timing of ICU admission and clinical outcome in patients with sepsis requiring invasive mechanical ventilation
Abstract Presenter: Philippe R. Bauer (Rochester, United States)

Determinants of one-year mortality in lung transplant recipients readmitted to the ICU
Abstract Presenter: María Martínez (Barcelona, Spain)

Does the response in urine output to a small dose of furosemide predict organ failure after achievement of negative fluid balance in acute respiratory failure? The interim analysis
Abstract Presenter: Jun Kataoka (Urayasu, Japan)

Correlation between Selenium level, body mass index and anti-oxidant capacity respiratory critical patients
Abstract Presenter: Cristian Cobilinschi (Bucharest, Romania)
**Scientific Programme**

**Efficacy and safety of acetazolamide for hypercapnic respiratory failure associated with metabolic alkalosis in patients with chronic obstructive pulmonary disease: a meta-analysis of randomized controlled trials**  
Abstract Presenter: Carla Emille Barbon (Manila, Philippines)

**Sevoflurane as an add on therapy to treat severe asthma**  
Abstract Presenter: Rihard Knafelj (Ljubljana, Slovenia)

**Acute respiratory failure in cardiosurgery. Update in the first decade of the new century**  
Abstract Presenter: Igor Kasherininov (St. Petersburg, Russian Federation)

**The importance of chest drain position after drainage for pneumothorax in critically ill**  
Abstract Presenter: Martin Balik (Prague, Czech Republic)

**Discrepancies in pharmacological treatment of stable COPD patients’ in reference to the 2011 GOLD recommendations, in a Tunisian medical ICU, 2011-2016**  
Abstract Presenter: Mohamed Boussarsar (Sousse, Tunisia)

**NTproBNP as prognostic marker of mortality in the patient with inhalation injury**  
Abstract Presenter: Lucia Cachafeiro Fuciños (Madrid, Spain)

**Acute respiratory events: incidence on general wards in England**  
Abstract Presenter: Rachel Weissbrod (Jerusalem, Israel)

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**Poster Corner**

14:00 - 15:50

**Cardiovascular monitoring**

#cardio

Chair: Olfa Hamzaoui (Clamart, France)  
Chair: Daniel A. Reuter (Hamburg, Germany)

**Relationship between mean systemic filling pressure and mortality in critically ill patients**  
Abstract Presenter: Victoria Bennett (London, United Kingdom)

**Estimation of thermodilution-derived Cardiac Index: a comparison of body surface temperatures and biometric data vs. the uncalibrated pulse contour analysis device Clearsight®**  
Abstract Presenter: Wolfgang Huber (Munich, Germany)

**Prediction of hypotension in surgical patients**  
Abstract Presenter: Thomas Scheeren (Groningen, Netherlands)

**Norepinephrine increases arterial load and impairs left ventricular efficiency in septic shock**  
Abstract Presenter: Manuel Ignacio Monge Garcia (Jerez de la Frontera, Spain)

**Ventriculo-arterial coupling in patients with shock**  
Abstract Presenter: Rania El-Sherif (Cairo, Egypt)

**Comparison of cardiac function index CFI derived from jugular and femoral indicator injection using the PICCO-2 device: a prospective observational study**  
Abstract Presenter: Wolfgang Huber (Munich, Germany)
Scientific Programme

The cardiovascular reserve index (CVRI) - a potential indicator of hemodynamic deterioration
Abstract Presenter: Uri Gabbay (Petach TiQwa, Israel)

Estimation of thermodilution-derived Cardiac Index: a comparison of body surface temperatures and biometric data vs. the uncalibrated pulse contour analysis device ProAqt®
Abstract Presenter: Wolfgang Huber (Munich, Germany)

Hemodynamic monitoring during spontaneous breathing trials
Abstract Presenter: Michela Rauseo (Foggia, Italy)

Internal yugular vein colapsability index as a predictor for hemodynamic optimization in prone position ARDS patients
Abstract Presenter: Jose Obeth Montoya Rojo (Mexico, Mexico)

Effects of fluid resuscitation on mean systemic filling pressure in cardio-surgical spontaneous breathing patients
Abstract Presenter: Pietro Bertini (Pisa, Italy)

Extra vascular lung water for predicting mortality in ARDS and septic shock patients: a systematic review and meta-analysis
Abstract Presenter: Pablo Mercado (Le Kremlin-Bicêtre, France)

Comparison of two mini-invasive technique to CO and CO variations monitoring during different types of shock
Abstract Presenter: Vincenzo Piccoli (Roma, Italy)

Estimation of Cardiac Index: a comparison of body surface temperatures and biometric data vs. The uncalibrated pulse-contour-analysis device Flotrac®
Abstract Presenter: Wolfgang Huber (Munich, Germany)

Comparison of pocket-sized and high end ultrasound devices for inferior vena cava diameter measurements in critically ill adults
Abstract Presenter: Kamil Inci (Ankara, Turkey)

Poster Corner
14:00 - 15:50

Prognostication 1
#outcomes

Chair: Philipp Metnitz (Graz, Austria)
Chair: Paul Mayo (New York, United States)

The win ratio: a new tool to account for composite outcomes in clinical trials
Abstract Presenter: Sébastien Bailly (Grenoble, France)

Prognostic performance of qSOFA Score combined with Emergency Severity Index (ESI)
Abstract Presenter: Hyeongkyu Kwak (Seoul, Korea, Republic of)

scores are superior to biomarkers to predict mortality in septic patients
Abstract Presenter: Isabel Granja Gomez (Santiago de Compostela, Spain)
Scientific Programme

The prognostic value of N-terminal pro-B-type natriuretic peptide in patients admitted to the intensive care unit
Abstract Presenter: Salah Snouda (Zaghoua, Tunisia)

Psychological impact in post-ICU survivors
Abstract Presenter: Itamar Porto (Cascavel, Brazil)

Assessment of presence and dynamic evolution of organ failures during early intensive management by MERCIC model can guide inappropriate 'Futile Care' in the first week in critically ill cirrhotics
Abstract Presenter: Rakhi Maiwall (New Delhi, India)

Predictors of morbidity and mortality among adult Filipino post-coronary artery bypass graft patients at the Makati Medical Center from January 2011 to March 2016
Abstract Presenter: Lauren Angelica Labrador (Parañaque, Philippines)

Blood glucose variation concentration as a predictor of mortality in critically patients in ICU Dr. Hasan Sadikin Hospital
Abstract Presenter: Tinni Maskoen (Bandung, Indonesia)

The Simplified Mortality Score for the Intensive Care Unit (SMS-ICU): development and internal validation of a simple score to predict 90-day mortality
Abstract Presenter: Anders Granholm (Copenhagen, Denmark)

Severity of illness scores may misclassify critically ill obese patients
Abstract Presenter: Rodrigo Deliberato (São paulo, Brazil)

Evaluation of APACHE II scale in patients admitted in intensive care by non-traumatic brain hemorrhage
Abstract Presenter: María Redondo-Orts (Granada, Spain)

Validation of SAPS 3 and Charlson comorbidity index in the prognosis of cardiac patients admitted to Brazilian intensive care unit
Abstract Presenter: Nivaldo Menezes Filgueiras Filho (Salvador, Brazil)

Do prehospital risk assessment tools predict ICU admission within 48 hours?
Abstract Presenter: Marko Hoikka (Oulu, Finland)

Can nT-proBNP level predict prognosis in acute exacerbations of COPD in intensive care unit?
Abstract Presenter: Ozlem Ediboglu (Izmir, Turkey)

Poster Corner
14:00 - 15:50

Imaging to assess patients' needs

#outcomes

Chair: Jean-Daniel Chiche (Paris, France)
Chair: Peter Schellongowski (Vienna, Austria)

Competency of medicine residents in using ultrasound to detect lung abnormalities in cadaveric models
Abstract Presenter: Napplika Kongpolprom (Bangkok, Thailand)
Scientific Programme

Using a blended learning environment as a key to the development of innovative medical education in critical ultrasound point of care teaching
Abstract Presenter: Joel Ortega Salas (Culiacan, Sinaloa, Mexico)

Regional pulmonary perfusion in experimental regional ARDS - a comparison of EIT and CT
Abstract Presenter: Gunnar Elke (Kiel, Germany)

Accuracy of an ultrasound protocol of muscle thickness compared to CT-scan in a neuro ICU population
Abstract Presenter: Charline Tourel (Saint Etienne, France)

Lung CT scan in acute respiratory distress syndrome (ARDS) and in cardiogenic pulmonary edema: a quantitative analysis
Abstract Presenter: Giordano Vergani (Milan, Italy)

Speckle tracking echocardiography in evaluation of the left ventricular function during severe sepsis or septic shock
Abstract Presenter: Mayssa Daiki (Tunis, Tunisia)

Bedside ultrasound is a practical measurement tool for assessing quadriceps muscle: a pilot study
Abstract Presenter: Ricardo Luiz Cordioli (São Paulo, Brazil)

Use of ultrasound imaging for diagnosis of intestinal structural changes and correction of treatment of postoperative gastrointestinal failure after major abdominal surgeries
Abstract Presenter: Marina Vladimirovna Petrova (Moscow, Russian Federation)

Precision of measurements with transthoracic echocardiography in critically ill patients
Abstract Presenter: Mathieu Jozwiak (Le Kremlin Bicêtre, France)

Lung ultrasound and blood gas based classification of critically ill patients with dyspnea: a pathophysiological approach
Abstract Presenter: Saurabh Saigal (Bhopal, India)

Lung ultrasound for the diagnosis of pneumonia in intensive care unit
Abstract Presenter: Zouheir Bitar (Fahahil, Kuwait)

Can point of care diaphragm usg reliably be performed with pocket-sized ultrasound devices in ICU
Abstract Presenter: Gul Gursel (Ankara, Turkey)

Verification of correct central venous catheter placement using ultrasound with two acoustic windows
Abstract Presenter: Guenther Zick (Kiel, Germany)

Diaphragmatic ultrasound in intensive care units: feasible and reproducible
Abstract Presenter: Olga Moreno Romero (Granada, Spain)
Stroke and intracranial haemorrhage

Chair: Bettina Pfausler (Innsbruck, Austria)
Chair: Laura Galarza (Castellon, Spain)

**Speckle-tracking evaluation of left ventricular longitudinal systolic function in patients with moderate to severe traumatic brain injury**
Abstract Presenter: Raphaël Cinotti (Nantes, France)

**Troponin as a marker of severity in cerebral hemorrhage**
Abstract Presenter: Raquel Rodríguez García (Oviedo, Spain)

**Coagulation disorders after aneurysmatic subarachnoid haemorrhage**
Abstract Presenter: Annukka Vahtera (Tampere, Finland)

**Prevalence and outcome of polyuria in patients with subarachnoid haemorrhage**
Abstract Presenter: Lien Vandenbulcke (Ghent, Belgium)

**Variability of cerebral glucose concentration and its relationship with three levels of Cerebral Blood Flow (a microdialysis and hemedex study)**
Abstract Presenter: Dimitrios Papadopoulos (Larisa, Greece)

**The role of sepsis in the outcome of subarachnoid hemorrhage patients: an exploratory analysis**
Abstract Presenter: Bruno Gonçalves (Rio de Janeiro, Brazil)

**Role of serum biomarkers in the diagnosis of sepsis in aneurysmal subarachnoid hemorrhage patients**
Abstract Presenter: Bruno Gonçalves (Rio de Janeiro, Brazil)

**Systemic glucose variability and functional outcome after subarachnoid hemorrhage**
Abstract Presenter: Pedro Kurtz (Rio de Janeiro, Brazil)

**Influence of infectious complications in the outcome of critically ill patients with acute stroke**
Abstract Presenter: Angel Estella (Jerez de la Frontera, Spain)

**D Dimer as perioperative predictor of hemorrhage after brain tumor surgery**
Abstract Presenter: Estela Val Jordan (Zaragoza, Spain)

**Lung mechanics in critically ill patients in acute period of intracranial hemorrhages**
Abstract Presenter: Alexander Solodov (Moscow, Russian Federation)

**Heart rate and central venous oxygen content are key determinants of brain tissue oxygenation in critically ill patients**
Abstract Presenter: John Gordon Boyd (Kingston, Canada)

**EEG in patients undergoing ECMO**
Abstract Presenter: Serena Rechichi (Brussels, Belgium)

**Comparison of the influence of clonidine and dexmedetomidine on the basic hemodynamic parameters during removal of the posterior fossa tumors**
Abstract Presenter: Marina Rumiantceva (Saint Petersburg, Russian Federation)
Poster Corner
14:00 - 15:50

**Perioperative intensive care: General**

#periop

Chair: Bernardo Bollen Pinto (Geneva, Switzerland)
Chair: Torsten Schröder (Berlin, Germany)

**Early detection of lung congestion in pre-eclampsia using lung ultrasound and electrical cardiometry**
Abstract Presenter: Yahia Hammad (Cairo, Egypt)

**Monitoring of gas exchange and patient state index: can we predict postoperative cognitive dysfunction?**
Abstract Presenter: Mariia Sokolova (Arkhangelsk, Russian Federation)

**Adults sedation during MRI: dexmedetomidine versus propofol**
Abstract Presenter: Iurii Kuchyn (Kyiv, Ukraine)

**Analgesia Nociception Index-based analgesia protocol reduces pain during nursing in critically ill patients: a before/after study**
Abstract Presenter: Tiphaine Bernard (Angers, France)

**Sleep patterns in nonsedated critically ill patients with severe sepsis and COPD**
Abstract Presenter: Yuliya Boyko (Odense, Denmark)

**Patient sleep in the intensive care unit remains elusive: an observational study using portable EEG monitoring**
Abstract Presenter: Julie Darbyshire (Headington, Oxford, United Kingdom)

**Performance of new AnacondaS in clinical setting**
Abstract Presenter: Rihard Knafelj (Ljubljana, Slovenia)

**Disease severity impacts negative effects on the sleep status of non-sedated critically ill patients**
Abstract Presenter: Sanghon Park (Rak, United Arab Emirates)

**EARLY-PRE-DELIRIC model as a predictor of delirium in a mixed ICU**
Abstract Presenter: Gabriel Moreno-González (Barcelona, Spain)

**Comparative analysis of different methods of pain management for critical cancer patients in the surgical intensive care unit**
Abstract Presenter: Becki Wan-Yu Huang (Taipei, Taiwan, Province of China)

**Isoflurane and sevoflurane consumption with the AnaConDa S™ anaesthetic conserving device versus the conventional AnaConDa™ using an artificial lung model**
Abstract Presenter: Livia Procopiuc (Bochum, Germany)

**Volume of AnaConDa® cut in half: evaluation of a new small volume anesthetic reflector in a test lung model**
Abstract Presenter: Philipp Daume (Homburg/Saar, Germany)

**Impact on kidney delayed graft function of two different retrieval techniques in controlled circulatory death donors**
Abstract Presenter: María Lucía Pérez Pérez (Madrid, Spain)
Kidney transplantation results comparing donors after brain death vs donors after circulatory death
Abstract Presenter: Sandra Canelles (Badalona, Spain)

Postoperative in the ICU of the renal transplantation of living donor success; guarantees?
Abstract Presenter: Nora Palomo-Lopez (Sevilla, Spain)

Poster Corner
14:00 - 15:50

Trauma management

Safety of the local magnesium infusion protocol
Abstract Presenter: Lucy Lee-Warder (Oxford, United Kingdom)

ICU admissions of self-harm patients - audit on demographics, mechanism of self-harm and outcomes
Abstract Presenter: Yavor Metodiev (Derby, United Kingdom)

Tau protein as a diagnostic marker for diffuse axonal injury
Abstract Presenter: Keisuke Tomita (Chiba, Japan)

Intensive care unit with large trauma patient volume was associated to improved hospital mortality - a retrospective cohort study of the nationwide trauma database in Japan
Abstract Presenter: Atsushi Shiraishi (Kamogawa, Japan)

What demand do major trauma patients put on the different surgical specialities?
Abstract Presenter: Patrick Quinn (Bristol, United Kingdom)

Outcomes of trauma patients who receive a supra-massive red cell transfusion
Abstract Presenter: Chris Mason (London, United Kingdom)

Changes of para-, meta- and ortho-tyrosine over time in burned patients
Abstract Presenter: Patricia Kovács (Pécs, Hungary)

Low-perfusion pressure-induced tissue hypoperfusion does not contribute to hyperfibrinolysis in disseminated intravascular coagulation associated with isolated traumatic brain injury
Abstract Presenter: Kenichi Katabami (Sapporo, Japan)

Should resuscitation in critical burn patients be started based on parkland formula?
Abstract Presenter: Eva M. Flores Cabeza (Madrid, Spain)

Red cell distribution width at burn ICU admission and 5 year mortality in hospital survivors
Abstract Presenter: Kenneth Christopher (Boston, United States)

Clinical profile of intra-pelvic major arterial bleeding in patients with pelvic fracture
Abstract Presenter: Masanori Kujo (Inzai Chiba, Japan)
Scientific Programme

Quick sequential organ failure assessment score to predict in-hospital mortality among patients transported by physician-staffed helicopter
Abstract Presenter: Kyohei Miyamoto (Wakayama, Japan)

Serum glial fibrillary acidic protein is potential screening biomarker of CT positive mild to moderate traumatic brain injury in emergency department
Abstract Presenter: Tadashi Kaneko (Kumamoto, Japan)

Poster Corner
14:00 - 15:50

Sepsis therapeutics 1

#sepsis
Chair: Steven Thiessen (Leuven, Belgium)
Chair: Björn Weiss (Berlin, Germany)

Norepinephrine (NE) requirements are associated with prognosis in sepsis-3 (S-3) septic shock patients independent of the blood pressure (BP) profile at ICU admission
Abstract Presenter: David Carpio (Santiago, Chile)

Improved inflammation with dexmedetomidine in patients with sepsis required mechanical ventilation: a sub-analysis of the DESIRE Trial
Abstract Presenter: Yoshinori Ohta (Nishinomiya, Japan)

Does dexmedetomidine increase lactate clearance in patients with septic shock? A sub-analysis of multicenter randomized controlled trial
Abstract Presenter: Tsuyoshi Nakashima (Wakayama, Japan)

The effect of noradrenaline on resting energy expenditure in septic shock mechanically ventilated patients measured via indirect calorimetry, a prospective observational study
Abstract Presenter: Ahmed Zaghloul (Cairo, Egypt)

Selective LPS-adsorption in complex intensive therapy for children with gram-negative sepsis after heart surgery, preliminary report
Abstract Presenter: Michael Yaroustovsky (Moscow, Russian Federation)

Role of CytoSorb ® in reduction of sepsis scores and better survival benefit in patients with multiorgan failure; when used early: a case series
Abstract Presenter: Rajib Paul (Hyderabad, India)

CytoSorb: what is the effect on the circulation?
Abstract Presenter: Sisela Bok (Rotterdam, Netherlands)

Gelatin solutions versus albumin in septic shock resuscitation
Abstract Presenter: Surat Tongyoo (Bangkok, Thailand)

Impact of fluid accumulation on the survival of patients with septic shock
Abstract Presenter: Julen Leache (Tarragona, Spain)

Polyclonal intravenous immune globuline treatment as additional strategy in sepsis
Abstract Presenter: Lucia Mirabella (Foggia, Italy)
Scientific Programme

Retrospective analysis of the use of polyclonal immunoglobulins as adjunctive therapy for septic shock
Abstract Presenter: Agnieszka Wieczorek (Wroclaw, Poland)

Percutaneous drainage (PCD) utility in critical patients of a tertiary hospital ICU
Abstract Presenter: Diego Cuenca Apolo (Sevilla, Spain)

Early and sustained normalization of hyper-inflammatory response is associated with improved survival after a single dose administration of Reltecimod (AB103), a CD28 peptide antagonist, in a mice model of polymicrobial sepsis
Abstract Presenter: Anat Shirvan (Ness ziona, Israel)

Intravenous beta-hydroxybutyrate has no impact in a long-term rat model of sepsis
Abstract Presenter: Barbara Ficial (London, United Kingdom)

Hemodynamic resuscitation with fluids bolus and norepinephrine increases severity of the lung damage in an experimental model of septic shock
Abstract Presenter: Pedro Guijo González (Jerez de la frontera, Spain)

Thematic Session
14:15 - 15:45
Vienna

Heart lung interaction: Clinical implications
#lung

Chair: Antonio Pesenti (Milan, Italy)
Chair: Samir Jaber (Montpellier, France)

Heart lung interaction during controlled ventilation
Speaker: Michael Pinsky (Pittsburgh, United States)  14:15

Discussion  14:30

Heart lung interaction during assisted ventilation
Speaker: Antonio Pesenti (Milan, Italy)  14:33

Discussion  14:48

Cardiovascular failure and weaning
Speaker: Sheldon Magder (Montreal, Canada)  14:51

Discussion  15:06

How to use mechanical ventilation to assess cardiac function
Speaker: Maurizio Cecconi (London, United Kingdom)  15:09

Discussion  15:24

Role of NIV in pulmonary oedema
Speaker: Giuseppe Foti (Monza, Italy)  15:27

Discussion  15:42
Scientific Programme

Continuous Professional Education Session
14:15 - 15:45

EGDT: Facts and fiction

#sepsis
Chair: Andrew Rhodes (London, United Kingdom)
Chair: Mitchell Levy (Providence, United States)

Historical perspective 14:15
Speaker: Julian Bion (Birmingham, United Kingdom)

Discussion 14:30

Understanding the evidence 14:33
Speaker: Derek Angus (Pittsburgh, United States)

Discussion 14:48

Protocolised vs. individualised treatment 14:51
Speaker: Jean-Louis Vincent (Brussels, Belgium)

Discussion 15:06

Still useful in the perioperative setting? 15:09
Speaker: Michael Sander (Giessen, Germany)

Discussion 15:24

Future therapeutic targets 15:27
Speaker: Michael Bauer (Jena, Germany)

Discussion 15:42

Thematic Session
14:15 - 15:45

Management of severe trauma

#trauma
Chair: David Lockey (Bristol, United Kingdom)
Chair: Kjetil Sunde (Oslo, Norway)

Trauma induced coagulopathy 14:15
Speaker: Martin Dünser (London, United Kingdom)

Discussion 14:30

Damage control resuscitation 14:33
Speaker: Jacques Duranteau (Kremlin-Bicetre, France)

Discussion 14:48

Blood products and coagulation monitoring 14:51
Speaker: Beverley Hunt (London, United Kingdom)

Discussion 15:06
Scientific Programme

**Recommended transfusion strategies**
Speaker: Dietmar Fries (Innsbruck, Austria)  
15:09

**Discussion**  
15:24

**REBOA: Indications, benefits and risks**
Speaker: Luke Leenen (Utrecht, Netherlands)  
15:27

**Discussion**  
15:42

Thematic Session  
14:15 - 15:45  
**How will I prevent and treat AKI next year?**  
#renal

Chair: John Prowle (London, United Kingdom)  
Chair: Zudin A. Puthucheary (London, United Kingdom)

**I use biomarkers**
Speaker: Michael Joannidis (Innsbruck, Austria)  
14:15

**Discussion**  
14:30

**I use an e-alert**
Speaker: Eric Hoste (Ghent, Belgium)  
14:33

**Discussion**  
14:48

**I use the KDIGO AKI bundle**
Speaker: John Prowle (London, United Kingdom)  
14:51

**Discussion**  
15:06

**I use Alkaline Phosphatase**
Speaker: Peter Pickkers (Nijmegen, Netherlands)  
15:09

**Discussion**  
15:24

**I use remote ischaemic preconditioning**
Speaker: Alexander Zarbock (Münster, Germany)  
15:27

**Discussion**  
15:42

Thematic Session  
14:15 - 15:45  
**Practical issues in SAH management**  
#neuro

Chair: Fabio Silvio Taccone (Brussels, Belgium)  
Chair: Romain Sonneville (Paris, France)
Managing "bloody" CSF  14:15
Speaker: Giuseppe Citerio (Monza, Italy)

Discussion  14:30

Early identification of DCI  14:33
Speaker: Mauro Oddo (Lausanne, Switzerland)

Discussion  14:48

DCI management: From haemodynamic augmentation to endovascular therapy  14:51
Speaker: Jose Suarez (Houston, United States)

Discussion  15:06

Optimising cardiac output  15:09
Speaker: Pedro Kurtz (Rio de Janeiro, Brazil)

Discussion  15:24

The challenge of hyponatraemia and polyuria  15:27
Speaker: Pierre Bouzat (Grenoble, France)

Discussion  15:42

Joint Session  14:15 - 15:45
Glasgow

Joint with ISF - Update on the new Surviving Sepsis Campaign recommendations

#sepsis

Chair: Charles L. Sprung (Jerusalem, Israel)
Chair: Flavia R. Machado (São Paulo, Brazil)
Twitter Chair: Olusegun Oladele Olusanya (Aylesbury, United Kingdom)

Screening and diagnosis  14:15
Speaker: Jean-Louis Vincent (Brussels, Belgium)

Discussion  14:30

Haemodynamics (fluids and drugs)  14:33
Speaker: Flavia R. Machado (São Paulo, Brazil)

Discussion  14:48

Glucose control and corticosteroids  14:51
Speaker: Charles L. Sprung (Jerusalem, Israel)

Discussion  15:06

Initial resuscitation  15:09
Speaker: Derek Angus (Pittsburgh, United States)

Discussion  15:24

Antimicrobial therapy  15:27
Speaker: Mervyn Singer (London, United Kingdom)
Scientific Programme

Discussion 15:42

State of the Art Session 14:15 - 15:45
Lisbon

Breathing: Is spontaneous better?

#lung
Chair: Laurent Brochard (Toronto, Canada)
Chair: Giacomo Bellani (Monza, Italy)
Twitter Chair: Matthew J. Rowland (Oxford, United Kingdom)

Spontaneous breathing: The good, the bad and the ugly 14:15
Speaker: Brian Kavanagh (Toronto, Canada)

Discussion 14:30

Monitoring the effort to minimise the risk 14:33
Speaker: Michael Quintel (Göttingen, Germany)

Discussion 14:48

Regional effects of controlled and assisted ventilation 14:51
Speaker: Marcelo Amato (Sao Paulo, Brazil)

Discussion 15:06

Monitoring patient ventilator synchrony 15:09
Speaker: Lise Piquilloud (Lausanne, Switzerland)

Discussion 15:24

What implications for the diaphragm? 15:27
Speaker: Alexandre Demoule (Paris, France)

Discussion 15:42

Continuous Professional Education Session 14:15 - 15:45
Paris

Oliguria: What is the kidney telling us?

#renal
Chair: Marlies Ostermann (London, United Kingdom)
Chair: Lui Forni (Surrey, United Kingdom)

Blood and urine analysis 14:15
Speaker: Ville Pettilä (Helsinki, Finland)

Discussion 14:30

Biomarkers 14:33
Speaker: Alexander Zarbock (Münster, Germany)
Scientific Programme

Discussion 14:48
Furosemide stress test 14:51
Speaker: Lui Forni (Surrey, United Kingdom)

Discussion 15:06
Imaging: Duplex ultrasound and others? 15:09
Speaker: Michael Darmon (Saint-Etienne, France)

Discussion 15:24
Oliguria is a renal success 15:27
Speaker: Miet Schetz (Leuven, Belgium)

Joint Session
14:15 - 15:45

Joint with ESPNIC - Organ support for all ages
#LIVES2017

Chair: Pierre Tissieres (Paris, France)
Chair: Jean Chastre (Paris, France)

Non-invasive ventilation: Evidence in children and adults 14:15
Speaker: Salvatore Maggiore (Chieti, Italy)

Discussion 14:30
Speaker: Martin Kneyber (Groningen, Netherlands)

Discussion 14:48
Resp ECMO and CO2 removal in adults 14:51
Speaker: Marco Ranieri (Rome, Italy)

Discussion 15:06
Very-/high flow CVVH in children and neonates: Just a question of weight? 15:09
Speaker: Pierre Tissieres (Paris, France)

Discussion 15:24
TTM after cardiac arrest 15:27
Speaker: Mauro Oddo (Lausanne, Switzerland)

Discussion 15:42
State of the Art Session
14:15 - 15:45

**Personalised nutritional support**

#metabolic

Chair: Jan Wernerman (Stockholm, Sweden)
Chair: Jean-Charles Preiser (Brussels, Belgium)

**Personalised calorimetry: Does it matter?**
Speaker: Heleen Oudemans-van Straaten (Amsterdam, Netherlands)

**Nutrition timing**
Speaker: Jean-Charles Preiser (Brussels, Belgium)

**Extrapolation of big data for personalised decision-making**
Speaker: Pierre Singer (Petah Tiqva, Israel)

**Which feeding solution for which patient?**
Speaker: Mette Berger (Lausanne, Switzerland)

**Computer-assisted nutrition protocol**
Speaker: Arthur van Zanten (Ede, Netherlands)

LIVES Interactive Debates
14:15 - 15:15

**Multiple polytrauma injuries: How to prioritise?**

NIC/TEM

#neuro#trauma

Chair: Daniel De Backer (Braine L'Alleud, Belgium)

**Debate**
Speaker: Hervé Quintard (Nice, France)
Speaker: Raimund Helbok (Innsbruck, Austria)
Speaker: Sophie Hamada (Paris, France)
Tech Lounge
14:30 - 15:30

Technology & realtime ICU system quality improvement
#tech

Chair: Max Jonas (Southampton, United Kingdom)
Chair: Carl Waldmann (Reading, United Kingdom)
Twitter Chair: Jamie Strachan (Oxford, United Kingdom)

14:30
Technology & healthcare transformation
Speaker: Ilias Iakovidis (Brussels, Belgium)

14:45
System analysis using real time data feeds
Speaker: Ari Ercole (Cambridge, United Kingdom)

15:00
System improvement: Practical experience
Speaker: Jukka Takala (Bern, Switzerland)

15:15
Technology & healthcare transformation brainstorming with speakers and audience

NEXT Lounge
15:00 - 16:00

Young Lecturer Award
#ESICMNEXT

Chair: Frauke Weidanz (Edinburgh, United Kingdom)
Chair: Manuel Mendoza Ruano (Las Palmas de Gran Canaria, Spain)
Chair: Carole Boulanger (Exeter, United Kingdom)
Chair: Katie Lane (London, United Kingdom)

LIVES Interactive Debates
15:30 - 16:30

Talking about talking: Is communication our most important skill?
NAHP/ETH
#ESICMNAHP#ethic

Chair: Rik Gerritsen (Leeuwarden, Netherlands)

Debate
Speaker: Jos Latour (Plymouth, United Kingdom)
Speaker: Doug White (Pittsburgh, United States)
Speaker: Elie Azoulay (Paris, France)
30th Annual Congress of the European Society of Intensive Care Medicine,
23 - 27 September 2017,
Vienna, Austria

Scientific Programme

Thematic Session
16:00 - 18:02

President's session: Clinical trials and new developments in intensive care
#LIVES2017

Chair: Massimo Antonelli (Rome, Italy)
Chair: Jozef Kesecioglu (Utrecht, Netherlands)
Twitter Chair: Matthew J. Rowland (Oxford, United Kingdom)

Global Sepsis Award 2017 16:00
Speaker: Konrad Reinhart (Jena, Germany)

WHO/WHA sepsis resolution 16:03
Speaker: Konrad Reinhart (Jena, Germany)

Comments 16:15
Speaker: Ruth Kleinpell (Chicago, United States)

Discussion 16:17

Steroids guidelines 16:20
Speaker: Djillali Annane (Garches, France)
Speaker: Stephen Pastores (New York, United States)

Comments 16:32
Speaker: Ricard Ferrer Roca (Barcelona, Spain)

Discussion 16:34

Recommendations for mechanical ventilation of critically ill children from the Paediatric Mechanical Ventilation Consensus Conference (PEMVECC) 16:37
Speaker: Martin Kneyber (Groningen, Netherlands)

Comments 16:49
Speaker: Pierre Tissieres (Paris, France)

Discussion 16:51

SOS Ventilation study 16:54
Speaker: Gérald Chanques (France)

Comments 17:06
Speaker: Kapil Zirpe (Pune, India)

Discussion 17:08

EFRAIM study 17:11
Speaker: Elie Azoulay (Paris, France)

Comments 17:23
Speaker: Charlie Corke (Geelong, Australia)

Discussion 17:25

LICORN study 17:28
Speaker: Bernard Cholley (Paris, France)
Scientific Programme

Comments 17:40
Speaker: Jean-Paul Mira (Paris, France)

Discussion 17:42

VIP1 study 17:45
Speaker: Hans Flaatten (Bergen, Norway)

Comments 17:57
Speaker: Mirella Cristine Oliveira (Curitiba, Brazil)

Discussion 17:59

State of the Art Session
16:00 - 18:00

Joint with NCS - ESICM Consensus on fluid therapy in neurocritical care

#neuro

Chair: Mauro Oddo (Lausanne, Switzerland)
Chair: Claude Hemphill (San Francisco, United States)
Twitter Chair: Richard Siviter (Reading, United Kingdom)

Fluid therapy in the non-neuro: Is there a consensus? 16:00
Speaker: Anders Perner (Copenhagen, Denmark)

Discussion 16:15

Is there a "better" maintenance fluid in neuro patients? 16:20
Speaker: Hervé Quintard (Nice, France)

Discussion 16:35

The preferred osmotic agent is... 16:40
Speaker: Carole Ichai (Nice, France)

Discussion 16:55

How to manage fluids in delayed cerebral ischaemia 17:00
Speaker: Raimund Helbok (Innsbruck, Austria)

Discussion 17:15

Volume and haemodynamic monitoring: Does it help? 17:20
Speaker: Ignacio Martin-Loeches (Dublin, Ireland)

Discussion 17:35

Consensus on fluids in ABI patients 17:40
Speaker: Giuseppe Citerio (Monza, Italy)

Discussion 17:55
Caring for the perioperative ICU patient

#periop

Chair: Paolo Pelosi (Genova, Italy)
Chair: Andreas Hoeft (Bonn, Germany)

16:00 - 18:00

Antiplatelet therapy in periop ICU patients: When to stop, when to bridge
Speaker: Christian Von Heymann (Berlin, Germany)

Discussion

Who is at risk of postop pulmonary complications and how to treat them
Speaker: Paolo Pelosi (Genova, Italy)

Discussion

Failure to rescue: How to survive surgery
Speaker: Rupert Pearse (London, United Kingdom)

Discussion

How to set up an emergency response team
Speaker: Andreas Hoeft (Bonn, Germany)

Discussion

Liberal or restrictive transfusion in perioperative ICU
Speaker: David Mazer (Toronto, Canada)

Discussion

Guidelines of PGDT in the ICU
Speaker: Michael Sander (Giessen, Germany)

Discussion

Shaping the future of antibiotic use

#micro

Chair: Marc Leone (Marseille, France)
Chair: Jean Chastre (Paris, France)

16:00 - 18:00

Antibiotic stewardship: Indispensable in the ICU!
Speaker: Jeroen Schouten (Radboud, Netherlands)

Discussion

When not to give antibiotics - Common mistakes when starting therapy
Speaker: Jeffrey Lipman (Brisbane, Australia)

Discussion
Scientific Programme

De-escalation of antibiotic therapy
Speaker: José Garnacho Montero (Seville, Spain)
16:40

Biomarkers to guide antibiotic therapy
Speaker: Dylan de Lange (Utrecht, Netherlands)
17:00

Therapeutic drug monitoring - Ready for prime-time?
Speaker: Jason Roberts (Brisbane, Australia)
17:20

Back to the future - 'Old antibiotics' in the ICU
Speaker: Céline Pulcini (Nancy, France)
17:40

Thematic Session
16:00 - 18:00
Barcelona

Management of cardiogenic shock
#cardio

Prehospital and emergency management
Speaker: Alain Cariou (Paris, France)
16:00

How should we use biomarkers?
Speaker: Marco Maggiorini (Zurich, Switzerland)
16:20

Management of BP and CO in the ICU
Speaker: Bruno Levy (Vandoeuvre les Nancy, France)
16:40

Which monitoring in the ICU?
Speaker: Pierre Squara (Neuilly-sur-Seine, France)
17:00

Should IABP be abandoned?
Speaker: Ludhmila Hajjar (Sao Paulo, Brazil)
17:20

ECMO: When and how?
Speaker: Alain Combes (Paris, France)
17:40
Scientific Programme

Discussion 17:55

State of the Art Session
16:00 - 18:00  Glasgow

Survival guide for high risk surgery
#periop
Chair: Monty Mythen (London, United Kingdom)
Chair: Ib Jammer (Bergen, Norway)
Twitter Chair: Stephen Shepherd (London, United Kingdom)

What is a high risk surgical patient? 16:00
Speaker: Monty Mythen (London, United Kingdom)

Discussion 16:15

Transfusion management for perioperative high risk patients 16:20
Speaker: David Mazer (Toronto, Canada)

Discussion 16:35

Guidelines for perioperative goal directed therapy in 2017 16:40
Speaker: Matthias Goepfert (Passau, Germany)

Discussion 16:55

Echo for perioperative haemodynamic monitoring: A short guidance 17:00
Speaker: Nick Fletcher (London, United Kingdom)

Discussion 17:15

How to have thin blood without bleeding: Perioperative anticoagulation 17:20
Speaker: Christian Von Heymann (Berlin, Germany)

Discussion 17:35

Please look inside my head: When to use NIRS 17:40
Speaker: Matthias Heringlake (Lübeck, Germany)

Discussion 17:55

Thematic Session
16:00 - 18:00  Lisbon

Cardiac arrest
#trauma
Chair: Claudio Sandroni (Rome, Italy)
Chair: Rosalba Spiritoso (London, United Kingdom)

Strengthening the chain of survival 16:00
Speaker: Kjetil Sunde (Oslo, Norway)
Scientific Programme

Discussion 16:15
What monitoring do I need during resuscitation? 16:20
Speaker: Kjetil Sunde (Oslo, Norway)

Discussion 16:35
Traumatic cardiac arrest - Always hopeless? 16:40
Speaker: Sophie Hamada (Paris, France)

Discussion 16:55
Any news on drugs for ALS? 17:00
Speaker: Alain Cariou (Paris, France)

Discussion 17:15
Which outcomes are relevant and when to assess them? 17:20
Speaker: Hans Friberg (Lund, Sweden)

Discussion 17:35
Brain death and organ donation 17:40
Speaker: Claudio Sandroni (Rome, Italy)

Discussion 17:55

Thematic Session 16:00 - 18:00 Paris

Sepsis: Therapies in the pipeline
#sepsis
Chair: Yasser Sakr (Jena, Germany)
Chair: Timothy Walsh (Edinburgh, United Kingdom)

Vasopressin and analogs 16:00
Speaker: Anthony Gordon (London, United Kingdom)

Discussion 16:15
Angiotensin II 16:20
Speaker: Elio Antonucci (Piacenza, Italy)

Discussion 16:35
Adrenomedullin 16:40
Speaker: Konrad Reinhart (Jena, Germany)

Discussion 16:55
Immunostimulating strategies 17:00
Speaker: Didier Payen (Paris, France)

Discussion 17:15
Scientific Programme

Thrombomodulin
Speaker: Konrad Reinhart (Jena, Germany) 17:20
Discussion 17:35

Targeting organ damage
Speaker: Peter Pickkers (Nijmegen, Netherlands) 17:40
Discussion 17:55

Continuous Professional Education Session
16:00 - 18:00  Milan
Liver failure in ICU: A multi-organ dysfunction syndrome
#metabolic
Chair: Julia Wendon (London, United Kingdom)
Chair: Kenneth Christopher (Boston, United States)

An overview of liver failure
Speaker: Tony Whitehouse (Birmingham, United Kingdom) 16:00
Discussion 16:15

Cardiopulmonary complications
Speaker: Valentin Fuhrmann (Hamburg, Germany) 16:20
Discussion 16:35

Acute kidney injury in liver failure
Speaker: Wilfred Druml (Vienna, Austria) 16:40
Discussion 16:55

Coagulation abnormalities
Speaker: Julia Wendon (London, United Kingdom) 17:00
Discussion 17:15

Therapeutic options in coma hepaticum
Speaker: Valentin Fuhrmann (Hamburg, Germany) 17:20
Discussion 17:35

The relation with gastrointestinal tract
Speaker: Annika Reintam Blaser (Tartu, Estonia) 17:40
Discussion 17:55
Scientific Programme

Thematic Session
16:00 - 18:00

ICU patient assessment & management

#ESICMNAHP

Chairs: Silvia Calvino Günther (Grenoble, France)
     Maureen Ben-Nun (Petah Tikva, Israel)

16:00
Lung mechanics: What you need to know
Speaker: Dani Martí Romeu (Barcelona, Spain)

Discussion

16:15
Weaning: Any new strategies?
Speaker: Bronagh Blackwood (Belfast, United Kingdom)

Discussion

16:20
CPR in ICU!
Speaker: Elsa P. Afonso (Cambridge, United Kingdom)

Discussion

16:35
Liver: It's all so toxic around here!
Speaker: Stijn Blot (Ghent, Belgium)

Discussion

16:40
How to manage a good death?
Speaker: Ruth Endacott (Plymouth, United Kingdom)

Discussion

16:55
Caring for the organ donor!
Speaker: Carole Boulanger (Exeter, United Kingdom)

Discussion

NEXT Lounge
16:00 - 17:00

Debate

#ESICMNEXT

Chair: Steven Thiessen (Leuven, Belgium)

To feed or not to feed: That is the question!
Speaker: Paul Wischmeyer (Aurora, United States)
     Greet Van den Berghe (Leuven, Belgium)
Scientific Programme

Tech Lounge
16:00 - 17:00

Tutorial: Big data analytics vs. comparative data analysis
#tech
Chair: Jean-François Timsit (Paris, France)
Chair: Marius Terblanche (London, United Kingdom)
Twitter Chair: Olusegun Oladele Olusanya (Aylesbury, United Kingdom)

- **Big data analytics methodology**
  Speaker: Leo Anthony Celi (Boston, United States)  
  16:00

- **Comparative data analysis methodology**
  Speaker: Ari Ercole (Cambridge, United Kingdom)  
  16:15

- **Animal vs. human experimental data**
  Speaker: Can Ince (Amsterdam, Netherlands)  
  16:30

- **Open discussion**
  16:45

Poster Corner
16:00 - 17:50

Acute respiratory failure monitoring
#lung
Chair: Laurent Brochard (Toronto, Canada)
Chair: Marcelo Amato (Sao Paulo, Brazil)

- **Effects of esophageal pressure-guided PEEP in ARDS patients on the amount of set PEEP and respiratory mechanics in the supine and the prone positions**
  Abstract Presenter: Mehdi Mezidi (Lyon, France)

- **The effect of different flow rates of high-flow nasal cannula on end-expiratory lung volume in patients with acute lung injury**
  Abstract Presenter: Atsuko Shono (Izumo, Japan)

- **A high flow nasal cannula during sleep reduces inspiratory effort but does not reduce respiratory rate**
  Abstract Presenter: Yu Onodera (Yamagata, Japan)

- **A comparison of optimal positive end-expiratory pressure determination guided by electrical impedance tomography and using pressure-volume curve guided by EVITA 4 in moderate and severe acute respiratory distress syndrome patients**
  Abstract Presenter: Chen Tsai -Fen (New Taipei City, Taiwan, Province of China)

- **Impact of body inclination in the supine and prone positions on esophageal pressure in ARDS patients**
  Abstract Presenter: Mehdi Mezidi (Lyon, France)

- **Comparison of electrical impedance tomography images in critically ill patients with and without pleural effusion**
  Abstract Presenter: Tobias Becher (Kiel, Germany)
Positive end expiratory pressure levels evaluated by two different methods using electrical impedance tomography had different effects on oxygenation after cardiac surgery
Abstract Presenter: Toru Kotani (Tokyo, Japan)

Assessing respiratory mechanics using a new method in mechanically ventilated patient with respiratory failure
Abstract Presenter: Jose Manuel Serrano Simón (Cordoba, Spain)

Improving the ability to monitor respiratory effort and work with esophageal pressure
Abstract Presenter: Jose Manuel Serrano Simón (Cordoba, Spain)

Alveolar collapse and overdistension in patients with ARDS versus post cardiac thoracic surgery patients assessed by electrical impedance tomography
Abstract Presenter: Serge Jan Hubert Heines (Maastricht, Netherlands)

Regional lung perfusion measured by electrical impedance tomography and single photon emission computed tomography
Abstract Presenter: Thomas Muders (Bonn, Germany)

Effect of PEEP and esophageal catheter calibration filling volume and balloon size on the occurrence of negative transpulmonary pressure
Abstract Presenter: Federico Magni (Monza, Italy)

Model-based regional lung ventilation and perfusion by electrical impedance tomography
Abstract Presenter: Benjamin Hentze (Aachen, Germany)

Pleural, esophageal and transpulmonary pressure: a validation study
Abstract Presenter: Domenico Luca Grieco (Rome, Italy)

Use of esophageal pressure in the ICU patients with multiple mechanical abnormalities and chest wall problems
Abstract Presenter: Gul Gursel (Ankara, Turkey)

ICU discharge and re-admission

#outcomes

Chair: Björn Weiss (Berlin, Germany)
Chair: Frantisek Duska (Prague, Czech Republic)

Relationship between ICU discharge during weekend and evolution of patients
Abstract Presenter: Antonia Lopez Martinez (Murcia, Spain)

To return or not to return: how good are Intensivists at formulating treatment escalation plans for patients on discharge from ICU?
Abstract Presenter: Susan Arasaretnam (London, United Kingdom)

An observational study on early mobilization and pain -agitation/sedation -delirium as quality indicators in two intensive care units
Abstract Presenter: Antonija Petosic (Oslo, Norway)

Magnificent Seven: quality standards for sedation in critical care
Abstract Presenter: Gabriella Wong (Colchester, United Kingdom)
Validation of the French 18-item questionnaire IPREA for quantitative assessment of perceived discomforts in critically ill patients  
Abstract Presenter: Pierre Kalfon (Chartres, France)

Pain: a retrospective look at hospital pain levels and the effect on clinical outcomes  
Abstract Presenter: Erik Doty (Boston, United States)

Time to ICU readmission and outcomes: a retrospective cohort study  
Abstract Presenter: Thiago Corrêa (São Paulo, Brazil)

Characteristics of the deaths of patients readmitted to the ICU compared to the deaths of those who have not been readmitted in the ICU, in a tertiary-level hospital in Brazil  
Abstract Presenter: Brenno Campos (Campinas, Brazil)

In-hospital mortality after ICU discharge  
Abstract Presenter: Maria Dolores Arias-Verdú (Malaga, Spain)

Risk factors of readmission after ICU discharge. One year survey  
Abstract Presenter: Mohamed Boussarsar (Sousse, Tunisia)

The incidence and risk factors of delirium in patients who admitted to the ICU of Dr. Hasan Sadikin Hospital Bandung Indonesia  
Abstract Presenter: Tinni Maskoen (Bandung, Indonesia)

Machine learning techniques for improving prediction of unplanned intensive care readmission  
Abstract Presenter: Ari Ercole (Cambridge, United Kingdom)

Using indicators to improve the quality of care: an example of unplanned extubation in patients with mechanical ventilation in the surgical ICU  
Abstract Presenter: Khee Siang Chan (Tainan, Taiwan, Province of China)

Cost and health outcomes associated with mechanical ventilation: a cost-effectiveness evaluation in the United Kingdom  
Abstract Presenter: Rhodri Saunders (Freiburg, Germany)

Value of arterial blood gas measurements in intensive care unit  
Abstract Presenter: Somcharoen Thienchairoj (Bangkok, Thailand)

A look into quality standards for management and documentation of interhospital transfers from a district general hospital. Is what we are doing adequate?  
Abstract Presenter: Gabriella Wong (Colchester, United Kingdom)

Understanding quality measurement in intensive care units: healthcare professionals' knowledge of quality indicators and attitudes to quality assessment  
Abstract Presenter: Andrew Breen (Leeds, United Kingdom)
**Scientific Programme**

**Description of our protocol to detect the needs of patients with mechanical ventilation**
Abstract Presenter: Rosario Fernandez (Motril, Spain)

**An audit of unit acquired infections in the blood: report from a tertiary referral adult intensive care unit in the United Kingdom**
Abstract Presenter: Raja Jayaram (Oxford, United Kingdom)

**Evaluation of implementing a pressure ulcers prevention bundle in a mexican intensive care unit**
Abstract Presenter: Sergio Edgar Zamora Gómez (México, Mexico)

**A retrospective audit: diagnostic blood tests in the critical care setting**
Abstract Presenter: James Crorkin (Colchester, United Kingdom)

**Critical care medicine quality in Taiwan from 1997 to 2013 under national health insurance**
Abstract Presenter: Kuo-Chen Cheng (Tainan, Taiwan, Province of China)

**Which multicenter randomized controlled trials have shown reduced mortality in critical care medicine? A systematic review**
Abstract Presenter: Carlos Santacruz Herrera (Bogota, Colombia)

**Maintaining compliance with the UK National ICU Rehabilitation Guidelines (CG83)**
Abstract Presenter: Lisa Enoch (Cambridge, United Kingdom)

**Automatic quality improvement through intensive care unit data management (ICU-DAMA) tool. Quality in information enhances quality in critical patient care**
Abstract Presenter: María Bodí (Tarragona, Spain)

**Outcome 1**

#outcomes

Chair: Bertrand Guidet (Paris, France)
Chair: Sangeeta Mehta (Toronto, Canada)

**Clinical impact of a post-ICU follow-up program**
Abstract Presenter: Irene Dot Jordana (Barcelona, Spain)

**Outcomes of ventilated patients with sepsis who undergo inter-hospital transfer: a nationwide linked analysis**
Abstract Presenter: Patrick Tyler (Boston, United States)

**High red-cell distribution width (RDW) is a marker of ward mortality after ICU discharge: a cohort study**
Abstract Presenter: Rafael Fernandez (Manresa, Spain)

**Early screening of intensive care unit survivors for psychological follow-up - a prospective cohort study**
Abstract Presenter: Peter Sackey (Stockholm, Sweden)

**Experiences of ICU survivors in a low middle income country - a multicentre study**
Abstract Presenter: Lalitha Pieris (Colombo, Sri Lanka)
### Scientific Programme

**Incidence and characteristics of the post intensive care syndrome**  
Abstract Presenter: Luca Cabrini (Milan, Italy)

**The Barthelindex is not a suitable method for follow-up of functional independence in discharged intensive care unit patients**  
Abstract Presenter: Jan Jorrit van Arkel (Leeuwarden, Netherlands)

**Virtual Reality Exposure Therapy is a preferred intervention among survivors of critical illness suffering from posttraumatic stress disorder: a patient's perspective**  
Abstract Presenter: Michel van Genderen (Rotterdam, Netherlands)

**Outcome and quality of life following implantation of left ventricle assist devices (LVAD) in cardiogenic shock patients with multiorgan failure (MOF)**  
Abstract Presenter: Aguila Radjou (Paris, France)

**Functional status after one year of post ICU discharge**  
Abstract Presenter: Mohamed Boussarsar (Sousse, Tunisia)

**Incidence and outcomes of accidental hypothermia upon admission to the intensive care unit: a single center observational study**  
Abstract Presenter: Ayyaz Hussain (Arkhangelsk, Russian Federation)

**Outcomes for haematology patients in the intensive care unit: a brighter perspective but ongoing challenges**  
Abstract Presenter: Michael Shea (Oxford, United Kingdom)

**Incidence of Post Intensive Care Syndrome (PICS) in patients with Subarachnoid Hemorrhage (SAH): results of an ICU aftercare program**  
Abstract Presenter: Danine van Rijswijk (Tilburg, Netherlands)

**Outcomes of hypoxic/ischaemic brain injury following out of hospital cardiac arrest**  
Abstract Presenter: Isobel Fale (London, United Kingdom)

**Incremental utility of laboratory results over demographics and vital signs in predicting future cardiorespiratory instability**  
Abstract Presenter: Marilyn Hravnak (Pittsburgh, United States)

### Severe infections in the ICU

**#micro**

**Chair:** Romain Sonneville (Paris, France)  
**Chair:** Gennaro De Pascale (Rome, Italy)

**Impact of empiric antibiotic therapy on mortality in intra-abdominal infections with Enterococcus acquired in the ICU**  
Abstract Presenter: Anne-Cécile Morvan (Lyon, France)

**The incidence and mortality rates of necrotising soft tissue infections in Denmark in 2005-2013**  
Abstract Presenter: Martin Bruun Madsen (Copenhagen, Denmark)
Scientific Programme

Tracheo-bronchial mucosal lesions during flexible bronchoscopy in ICU patients to diagnose invasive pulmonary aspergillosis
Abstract Presenter: Ada Alexandrescu (Yvoir, Belgium)

Predictors of mortality in adult severe Chikungunya patients from 2016 epidemic in India: comorbid conditions and organ failure not stable hemodynamic status on presentation, defines outcome
Abstract Presenter: Niraj Tyagi (Delhi, India)

Nosocomial infections in an intensive care unit: predictive mortality factors
Abstract Presenter: Takoua Merhebene (Ariana, Tunisia)

Epidemiology and outcomes of severe acute respiratory viral infections
Abstract Presenter: Suzana Margareth Lobo (São José do Rio Preto, Brazil)

Clinical characterization of fungal infections in the intensive care units at the Fundación Santa Fe de Bogotá, Colombia
Abstract Presenter: Yenny Cardenas (Bogota D.C, Colombia)

Epidemiology and prognosis of early antibiotic therapy during acute pancreatitis
Abstract Presenter: Philippe Montravers (Paris, France)

Decompressive craniectomy in acute onset infectious diseases: a systematic review of the literature
Abstract Presenter: Antonia Kastoris (Nicosia, Cyprus)

Severe influenza cases in a public pediatric intensive care unit in Greece during the epidemic seasons 2015 to 2017
Abstract Presenter: Chrysanti Dimolitsa (Athens, Greece)

A tertiary centre prospective study of patients with dengue fever with encephalitis and use of laboratory parameters for early identification and management
Abstract Presenter: Alai Taggu (Bangalore, India)

Epidemiology of Clostridium difficile infections in intensive care unit of a General Hospital
Abstract Presenter: Athanasios Margaritis (Ioannina, Greece)

Characteristics and Outcomes of patients requiring valve surgery during active infective endocarditis
Abstract Presenter: Imene Nefzi (Tunis, Tunisia)

ICU acquired Gram-negative bacteremia (ICU-GNB) in a tertiary hospital ICU
Abstract Presenter: Patricia Rodríguez Villamizar (Madrid, Spain)

Characteristics of patients with influenza (H1N1) admitted to the ICU
Abstract Presenter: Hülya Sungurtekin (Denizli, Turkey)

Poster Corner
16:00 - 17:50

Perioperative intensive care: Abdominal surgery

#periop
Chair: Ben Creagh-Brown (Guildford, United Kingdom)
Chair: Dagmar Schulte (Giessen, Germany)
Epidural analgesia prolongs ICU stay in patients after major abdominal surgery  
Abstract Presenter: Debby Vriens (Rotterdam, Netherlands)

Factors relates to medium-term survival after liver transplantation (LT)  
Abstract Presenter: Maria Dolores Arias-Verdú (Malaga, Spain)

Elective surgical admissions to Torbay Hospital ICU  
Abstract Presenter: Sarah Brown (Devon, United Kingdom)

The change of tissue oxygen saturation measured by dynamic near infrared spectroscopy following general anesthesia in healthy population: observation on the effect of age  
Abstract Presenter: Ah-Reum Cho (Busan, Korea, Republic of)

Time course of C-reactive protein in patients with and without infection after liver resection as a function of functional liver remnant  
Abstract Presenter: Joanne Ijzerman (Groningen, Netherlands)

Intraoperative oxygen administration in patients undergoing orthotopic liver transplantation  
Abstract Presenter: Clare Morkane (London, United Kingdom)

Addition of abnormal preoperative coronary CT angiographic findings improves predictive performance of revised cardiac risk index in liver transplant surgery  
Abstract Presenter: Yong-Seok Park (Seoul, Korea, Republic of)

Predictive factors of anastomotic leakage in the Intensive Care Unit at Punta de Europa Regional Hospital  
Abstract Presenter: Alejandro Ubeda (Algeciras, Spain)

Postoperative intensive care course of patients undergoing first and second stage of Associating Liver Partition and Portal Vein Ligation for Staged hepatectomy (ALPPS)  
Abstract Presenter: Antonia Kastoris (Nicosia, Cyprus)

Effect of perioperative low-dose dexmedetomidine on postoperative delirium in the intensive care unit after liver transplantation - a preliminary report  
Abstract Presenter: Seong Mi Yang (Seoul, Korea, Republic of)

Evaluation of the influence of sufentanil and remifentanil on colon motility via kappa receptors in vitro  
Abstract Presenter: Michael Schörghuber (Graz, Austria)

Recombinant thrombomodulin attenuates remote liver injury induced by extracellular histones in intestinal ischemia-reperfusion injury  
Abstract Presenter: Naoki Hayase (Tokyo, Japan)

Microcirculation in healthy volunteers, dialysis patients and kidney transplant recipients  
Abstract Presenter: Yu-Chang Yeh (Taipei, Taiwan, Province of China)

Donor's age impact on cumulative survival rates of live graft and recipient of liver transplantation in 20 years of experience in Santiago de Compostela (Spain)  
Abstract Presenter: Rita Fernandez Garda (Santiago de Compostela, Spain)

Eotaxin-1 (CCL11) is detectable in donated blood products and increases with the donor`s age  
Abstract Presenter: Stefan Jochberger (Innsbruck, Austria)
Scientific Programme

Poster Corner
16:00 - 17:50

Sedation, analgesia and delirium

#periop

Chair: Arjen Slooter (Utrecht, Netherlands)
Chair: Friedrich Borchers (Berlin, Germany)

Pharmacological interventions for delirium in Intensive Care Unit (AID-ICU): an international inception cohort study
Abstract Presenter: Marie Collet (Copenhagen, Denmark)

Postoperative delirium in the ICU: the impact of early brief delirium and persistent delirium
Abstract Presenter: Jinyoung Bae (Seoul, Korea, Republic of)

Analysis of the management of sedation, analgesia and delirium on ICU
Abstract Presenter: Adriana García Herrera (Pamplona, Spain)

Early detection of ICU-acquired encephalopathy with the use of automated quantitative pupillometry
Speaker: Paola Morelli (Lausanne, Switzerland)

Pain, agitation and delirium (PAD) in a community ICU - audit and survey of nurses
Abstract Presenter: Jennifer L.Y. Tsang (Hamilton, Canada)

Clonidine for sedation in mechanically ventilated, critically ill adults: a retrospective chart review
Abstract Presenter: Lisa Burry (Toronto, Canada)

Analgesia, sedation and delirium management - the unwalked path
Abstract Presenter: Carolina Paulino (Lisbon, Portugal)

A prospective, observational, longitudinal cohort study of sedation practices in SGH intensive care units
Abstract Presenter: Yi Lin Lee (Singapore, Singapore)

Inadequate sedation: influence on length of stay and mortality in ICU
Abstract Presenter: Adriana García Herrera (Pamplona, Spain)

Initial experience of a dexmedetomidine sedation protocol in critically ill patients admitted to an intensive care unit (ICU) in a secondary-level university hospital
Abstract Presenter: Esther Moreno Lopez (Ferrol, Spain)

Dexmedetomidine - does it really make a difference to ICU length of stay?
Abstract Presenter: Chris Remmington (London, United Kingdom)

Promote the accuracy of using the confusion assessment method for the intensive care unit in critically ill patients by a two-stage clinical teaching program
Abstract Presenter: Anne Chao (Taipei, Taiwan, Province of China)

Postoperative delirium in critically ill surgical patients: perioperative risk factors and outcomes
Abstract Presenter: Onuma Chaiwat (Bangkok, Thailand)

Effect of lorazepam administration for prolonged sedation on incidence of delirium in critically ill patients
Abstract Presenter: Kevin Pilarczyk (Essen, Germany)
Scientific Programme

Dexmedetomidine and traditional sedation: a surgical intensive care experience
Abstract Presenter: Nissar Shaikh (Doha, Qatar)

Ethical issues: What do we know?
#ethic

Huge variation in obtaining ethical permission for a non-intervention observational study in Europe
Abstract Presenter: Dylan de Lange (Utrecht, Netherlands)

One third of patients reviewed by ICU's rapid response team are over 75 years old - should an alternative intervention be considered?
Abstract Presenter: Joonas Tirkkonen (Seinäjoki, Finland)

Treatment Escalation Plans (TEPs): how important are they and can we improve?
Abstract Presenter: Jamie Gross (London, United Kingdom)

Perceptions, practices and level of knowledge of intensive care physicians about the application of palliative care in intensive care units (ICUs)
Abstract Presenter: Stella Navarro (Medellin, Colombia)

ICU nurses’ grief and coping after patients dying
Abstract Presenter: Toon van Galen (Amsterdam, Netherlands)

A survey of doctors attitudes towards the patient with devastating brain injury
Abstract Presenter: Callum Kaye (Aberdeen, United Kingdom)

End-of-life care for patients dying in an intensive care unit - how do patients die in ICU?
Abstract Presenter: Rui Costa (Lisbon, Portugal)

Retrospective observational study of the documentation of end of life care in a Hong Kong ICU
Abstract Presenter: Wai Tat Wong (Shatin, Hong Kong, China)

The use of neural monitoring to assist decision-making in terminal extubation or terminal weaning as part of end of life care in a critical care setting
Abstract Presenter: Philip A. Hopkins (London, United Kingdom)

Treatment limitations before and during ICU admission affect hospital mortality: a pilot study
Abstract Presenter: Marjel J. van Dam (Utrecht, Netherlands)

Decision-making process and limitation of therapeutic effort in a Mexican ICU: a pilot study
Abstract Presenter: Luis A. Gorordo-Delsol (México City, Mexico)

Have the workers of the different intensive care units the same opinion and knowledge about the limitation of therapeutic effort?
Abstract Presenter: Felipe Carlos Santiago Ruiz (Granada, Spain)
Scientific Programme

Evaluation of refusals to donate organs in case of marginal donors
Abstract Presenter: Iraida Camerzan (Chisinau, Republic of Moldova)

Analysis of the process of organ and tissue donation between the Spanish population and foreigners
Abstract Presenter: Hugo Rodríguez Pérez (Las Palmas de Gran Canaria, Spain)

Evolution of renal transplantation in controlled and uncontrolled DCD during admission to the ICU
Abstract Presenter: Nora Palomo-Lópe (Sevilla, Spain)

LIVES Interactive Debates
16:45 - 17:45

Noradrenaline and other vaspressors in refractory septic shock
#cardio
Chair: Maurizio Cecconi (London, United Kingdom)

Debate 16:45
Speaker: Claude Martin (Marseille, France)
Speaker: Anthony Gordon (London, United Kingdom)
Speaker: Jean-Louis Teboul (Kremlin-Bicêtre, France)

Industry Sponsored Session
18:15 - 19:15

Industry Sponsored Session
18:15 - 19:15

Industry sponsored session

Industry Sponsored Session
18:15 - 19:15

Industry sponsored session

Industry Sponsored Session
18:15 - 19:15

Industry sponsored session

Industry Sponsored Session
18:15 - 19:15
Scientific Programme

Tuesday, 26 September 2017

Keynote Lecture
08:00 - 08:25
Vienna

Who will benefit from Intensive Care?
#periop
Chair: Michael Sander (Giessen, Germany)

Presentation
Speaker: Hannah Wunsch (Toronto, Canada)

Thematic Session
08:30 - 09:30
Vienna

How to use recent guidelines in neurocritical care?
#neuro
Chair: Raimund Helbok (Innsbruck, Austria)
Chair: Jose Suarez (Houston, United States)

Malignant ischaemic stroke
Speaker: Lara Prisco (Oxford, United Kingdom)

Discussion
08:45

Intracerebral haemorrhage
Speaker: Claude Hemphill (San Francisco, United States)

Discussion
09:05

TBI
Speaker: Nino Stocchetti (Milan, Italy)

Discussion
09:25

Thematic Session
08:30 - 09:30
Berlin

AKI controversies
#renal
Chair: John Prowle (London, United Kingdom)
Chair: Ville Pettilä (Helsinki, Finland)
Twitter Chair: Stephen Shepherd (London, United Kingdom)

Have AKI biomarkers found their clinical application?
Speaker: Thomas Rimmelé (Lyon, France)

Discussion
08:45
30th Annual Congress of the European Society of Intensive Care Medicine,
23 - 27 September 2017,
Vienna, Austria

Scientific Programme

**Contrast associated or contrast induced AKI?**
Speaker: Miet Schetz (Leuven, Belgium) 08:50

**Discussion** 09:05

**Current RRT: Are we missing something?**
Speaker: Kirsi Maija Kaukonen (Helsinki, Finland) 09:10

**Discussion** 09:25

From Bench to Bedside Session
08:30 - 09:30

**ICM Experimental 2: New insights from the lab**
#LIVES2017

Chair: Mervyn Singer (London, United Kingdom)
Chair: Peter Radermacher (Ulm, Germany)
Twitter Chair: Richard Siviter (Reading, United Kingdom)

**The kidney**
Speaker: Nishkantha Arulkumaran (London, United Kingdom) 08:30

**Discussion** 08:42

**The heart**
Speaker: Bernardo Bollen Pinto (Geneva, Switzerland) 08:45

**Discussion** 08:57

**The lung**
Speaker: Brijesh Patel (London, United Kingdom) 09:00

**Discussion** 09:12

**The liver**
Speaker: Michael Bauer (Jena, Germany) 09:15

**Discussion** 09:27

Thematic Session
08:30 - 09:30

**Fungal infection update**
#micro

Chair: Pedro Povoa (Lisbon, Portugal)
Chair: Olaf Cremer (Utrecht, Netherlands)

**Epidemiology of fungal infections and antifungal resistance**
Speaker: Matteo Bassetti (Udine, Italy) 08:30

**Discussion** 08:45
Scientific Programme

Fungal biomarkers to aid diagnosis and guide therapy
Speaker: José Garnacho Montero (Seville, Spain) 08:50

Discussion 09:05

Appropriate antifungal therapy - How to choose?
Speaker: Jean-François Timsit (Paris, France) 09:10

Discussion 09:25

Thematic Session
08:30 - 09:30  Geneva

ICM: Year in review 2
#LIVES2017

Chair: Samir Jaber (Montpellier, France)
Chair: Anders Perner (Copenhagen, Denmark)
Twitter Chair: Olusegun Oladele Olusanya (Aylesbury, United Kingdom)

ARDS
Speaker: Laurent Papazian (Marseille, France) 08:30

Discussion 08:45

Cardiovascular issues
Speaker: Antoine Vieillard-Baron (Boulogne, France) 08:48

Discussion 09:03

Nutrition
Speaker: Margaret Herridge (Toronto, Canada) 09:06

Discussion 09:21

ICM: The ESICM Journal
Speaker: Massimo Antonelli (Rome, Italy) 09:24

LIVES Interactive Debates
08:30 - 09:30  LIVES Interactive Debate

HIT: Clinical problem or overdiagnosis?
MEN/AKI
#metabolic#renal
Chair: Patrick Honoré (Brussels, Belgium)

Debate 08:30
Speaker: Sigismond Lasocki (Angers, France)
Speaker: Antoine Schneider (Lausanne, Switzerland)
Speaker: Kenneth Christopher (Boston, United States)
Scientific Programme

Clinical Challenges Session
08:40 - 09:30

**Athens**

How do I analyse acid-base abnormalities: Henderson-Hasselbalch, BE or Stewart?
#renal

Chair: Eric Hoste (Ghent, Belgium)

**Presentation**
Speaker: John Kellum (Pittsburgh, United States)

Clinical Challenges Session
08:40 - 09:30

**Barcelona**

How do I manage the difficult to wean patient?
#lung

Chair: Giuseppe Foti (Monza, Italy)

**Presentation**
Speaker: Laurent Brochard (Toronto, Canada)

Clinical Challenges Session
08:40 - 09:30

**Glasgow**

How do I integrate haemodynamic variables to manage a patient with shock?
#cardio

Chair: Zsolt Molnar (Szeged, Hungary)

**Presentation**
Speaker: Jean-Louis Teboul (Kremlin-Bicetre, France)

Clinical Challenges Session
08:40 - 09:30

**Lisbon**

How do I manage sepsis in the neutropenic patient?
#sepsis

Chair: Yasser Sakr (Jena, Germany)

**Presentation**
Speaker: Elie Azoulay (Paris, France)
Scientific Programme

Clinical Challenges Session
08:40 - 09:30  Paris

How do I manage sedative agents in the acute brain injured patient?
#neuro
Chair: Pedro Kurtz (Rio de Janeiro, Brazil)

Presentation
Speaker: Geert Meyfroidt (Leuven, Belgium)

NEXT Lounge
09:00 - 10:00  NEXT Lounge

Blackboard lecture
#ESICMNEXT
Chair: Beatriz Lobo Valbuena (Madrid, Spain)

Understanding the pathophysiology of acute respiratory failure 09:00
Speaker: Luciano Gattinoni (Milan, Italy)

Tech Lounge
09:00 - 10:00  Tech Lounge

Artificial Intelligence: Here now!
#tech
Chair: Theodoros Kyprianou (Nicosia, Cyprus)
Chair: Michael Pinsky (Pittsburgh, United States)
Twitter Chair: Jamie Strachan (Oxford, United Kingdom)

Cognitive analytics and AI in Health 09:00
Speaker: Marius Terblanche (London, United Kingdom)

The -omics data in critical illness 09:15
Speaker: Jean-Daniel Chiche (Paris, France)

IoT and mobile data in critical illness follow up 09:30
Speaker: Max Jonas (Southampton, United Kingdom)

Artificial Intelligence brainstorming with speakers and audience 09:45

Simulation Centre
09:15 - 10:15  Simulation Centre - Mechanical Ventilation Area

MV area

Case scenario 09:15
Speaker: Lise Piquilloud (Lausanne, Switzerland)
Speaker: Jean-Michel Constantin (Clermont-Ferrand, France)
**Scientific Programme**

Simulation Centre  
09:15 - 10:15  
Simulation Centre - TEE/TOE Area

**TEE/TOE area**

- **Demonstration of medical manikins**  
  09:15

- **Hands-on**  
  09:25
  
  Speaker: Martin Balik (Prague, Czech Republic)  
  Speaker: Filippo Sanfilippo (Palermo, Italy)

Simulation Centre  
09:15 - 10:45  
Simulation Centre - ECMO Area

**ECMO area**

- **Hands-on**  
  09:15
  
  Speaker: Chirine Mossadegh (Paris, France)  
  Speaker: Sabine Valera (Marseille, France)  
  Speaker: Emric Besnard (Paris, France)  
  Speaker: Hugo Guillou (Paris, France)  
  Speaker: Dinis Reis Miranda (Groningen, Netherlands)

Simulation Centre  
09:15 - 11:15  
Simulation Centre - Difficult Airway Management Area

**Difficult airway management area - Focus on bronchoscopy in ICU**

- **Hands-on**  
  09:15
  
  Speaker: Sheila Nainan Myatra (Mumbai, India)  
  Speaker: John Laffey (Toronto, Canada)  
  Speaker: Gennaro De Pascale (Rome, Italy)

Oral Presentations  
09:40 - 10:55  
Vienna

**Abstract award winning session**

#LIVES2017  
Chair: Maurizio Cecconi (London, United Kingdom)  
Chair: Lui Forni (Surrey, United Kingdom)

- **The effects of normal saline versus balanced crystalloid solution as a resuscitation fluid on acute kidney injury in shock patients: a randomized opened label controlled trial**  
  09:40
  
  Abstract Presenter: Ranistha Ratanarat (Bangkok, Thailand)

- **A prospective international observational one-day prevalence study on prone positioning in ARDS. The APRONET study**  
  09:55
  
  Abstract Presenter: Claude Guérin (Lyon, France)
Scientific Programme

ICU survivors have a substantial higher risk of developing chronic conditions compared to a population based control group
Abstract Presenter: Ilse van Beusekom (Amsterdam, Netherlands)

Effect of protocol-based physiotherapy and muscle activating measures on muscle synthesis and degradation balance in intensive care unit acquired weakness
Abstract Presenter: Julius Grunow (Berlin, Germany)

Delirium prediction in the intensive care unit: head to head comparison of two delirium prediction models
Abstract Presenter: Annelies Wassenaar (Nijmegen, Netherlands)

Acute respiratory failure clinical studies

Chair: Giacomo Bellani (Monza, Italy)
Chair: Laurent Papazian (Marseille, France)

Circulating 1,25(OH)2-vitamin D concentration is associated with increased mortality and predicts responsiveness to statins in patients with the acute respiratory distress syndrome
Abstract Presenter: Marianne Fitzgerald (Belfast, United Kingdom)

Do patients with unilateral opacities have a similar outcome than patients with ARDS? An ancillary analysis of the LUNG SAFE study
Abstract Presenter: Tài Pham (Suresnes, France)

The efficacy of the Whispherflow CPAP system versus high flow nasal cannula in patients at high risk for postextubation failure
Abstract Presenter: Pongdhep Theerawit (Bangkok, Thailand)

Epidemiology and predictors of outcome in patients with acute respiratory distress syndrome: the Calgary experience
Abstract Presenter: Ken Parhar (Calgary, Canada)

Feasibility and organizational implications of interhospital ECMO rescue programs
Abstract Presenter: Joao Ribeiro (Lisbon, Portugal)

Mechanisms and prognosis of acute brain injury

Chair: Pierre Bouzat (Grenoble, France)
Chair: Janneke Horn (Amsterdam, Netherlands)
Scientific Programme

Clinical Value of Blood Biomarkers in Acute Stroke 09:55
Abstract Presenter: Fabiane Neiva Backes (Porto Alegre, Brazil)

Modest elevation in troponin predicts functional myocardial impairment by echocardiogram after aneurysmal subarachnoid hemorrhage 10:10
Abstract Presenter: Marilyn Hravnak (Pittsburgh, United States)

FOUR score predicting outcomes in subarachnoid hemorrhage: multicenter study 10:25
Abstract Presenter: David Iglesias Posadilla (Burgos, Spain)

The effect of moderate hyperoxaemia on neurological injury, inflammation and oxidative stress - a randomised controlled pilot trial (BRAINOXY) 10:40
Abstract Presenter: Maarit Lång (Kuopio, Finland)

Oral Presentations 09:40 - 10:55
Athens

Severe infections in the critically ill

Prevention of nosocomial infections in critically ill patients with Lactoferrin (PREVAIL Study) 09:40
Abstract Presenter: John Muscedere (Kingston, Canada)

Impact of bronchial colonization with fungus on risk of bacterial Ventilatory-acquired pneumonia in ICU. The FUNGIBACT prospective cohort study 09:55
Abstract Presenter: Jean-François Timsit (Paris, France)

Abstract Presenter: Sébastien Bailly (Grenoble, France)

Burden of Pneumococcal pneumonia requiring ICU admission in France (2014): 1-year prognosis, resource use and costs 10:25
Abstract Presenter: Jean-François Timsit (Paris, France)

Cessation of screening for intestinal carriage of extended-spectrum beta-lactamase-producing Enterobacteriaceae (ESBLE) in a low-prevalence intensive care unit (ICU) with universal contact precautions 10:40
Abstract Presenter: Wajma Jalalzai (Orléans, France)
Scientific Programme

Oral Presentations
09:40 - 10:55

**Mechanical ventilation monitoring**

#lung

Chair: Jordi Mancebo Cortes (Montreal, Canada)
Chair: Manuel Mendoza Ruano (Las Palmas de Gran Canaria, Spain)

- **Are ´ventilator associated events´ relevant for the detection of ventilator associated lower respiratory tract infections?**
  Abstract Presenter: Olivier Pouly (Lille, France)
  09:40

- **Skeletal troponin I in serum and diaphragmatic ultrasound in mechanically ventilated ICU patients: a pilot study**
  Abstract Presenter: Savino Spadaro (Ferrara, Italy)
  09:55

- **Minute ventilation to carbon dioxide production ratio (VE/VCO2) is an accurate and non-invasive index of ventilatory inefficiency in mechanically ventilated patients**
  Abstract Presenter: René López (Santiago, Chile)
  10:10

- **Expiratory muscle function during weaning from mechanical ventilation**
  Abstract Presenter: Diana Jansen (Nijmegen, Netherlands)
  10:25

- **Early recognition of acute respiratory distress syndrome: mechanical ventilation might not be mandatory for the diagnosis**
  Abstract Presenter: Remi Coudroy (Poitiers, France)
  10:40

Oral Presentations
09:40 - 10:55

**Sepsis therapy, any advances?**

#sepsis

Chair: Konrad Reinhart (Jena, Germany)
Chair: Martin Dünser (London, United Kingdom)

- **Effect of PMX-DHP longer than 2 hours on mortality in patients with septic shock: a sub-analysis of multicenter randomized controlled trial**
  Abstract Presenter: Yu Kawazoe (Sendai, Japan)
  09:40

- **Early norepinephrine administration vs. standard treatment during severe sepsis/septic shock resuscitation: a randomized control trial**
  Abstract Presenter: Chairat Permpikul (Bangkok, Thailand)
  09:55

- **Effects of the humanized anti-Adrenomedullin antibody Adrecizumab on vascular barrier function and survival during systemic inflammation and sepsis**
  Abstract Presenter: Christopher Geven (Nijmegen, Netherlands)
  10:10

- **Acetylsalicylic acid partially reverses in vivo endotoxin tolerance in humans**
  Abstract Presenter: Guus Leijte (Nijmegen, Netherlands)
  10:25
Scientific Programme

10:40
Safety, tolerability and pharmacokinetics/-dynamics of the anti-adrenomedullin antibody Adrecizumab: a first in man study
Abstract Presenter: Christopher Geven (Nijmegen, Netherlands)

Oral Presentations
09:40 - 10:55

**Non-mortality outcomes after critical illness**

#outcomes

Chair: Philipp Metnitz (Graz, Austria)
Chair: Marc Leone (Marseille, France)

- Psychiatric symptoms in unselected ICU survivors one year after the ICU discharge
  Abstract Presenter: Pierre Kalfon (Chartres, France)

- The impact of frailty on intensive care unit outcomes: a systematic review and meta-analysis
  Abstract Presenter: Braden Waters (Hamilton, Canada)

- Hopelessness: independent associations with health-related quality of life and short-term mortality after critical illness
  Abstract Presenter: Lotti Orwelius (Linköping, Sweden)

- Association between tracheostomy and functional, neuropsychological and healthcare utilization outcomes in the RECOVER cohort
  Abstract Presenter: Anita Brondani (Toronto, Canada)

- Determinants of depressive symptoms at one year after Intensive Care Unit discharge in survivors of ≥ 7 days of mechanical ventilation: results from the RECOVER Program
  Abstract Presenter: Mika Hamilton (Toronto, Canada)

Oral Presentations
09:40 - 10:55

**Sedation, analgesia and delirium**

#periop

Chair: Claudia Spies (Berlin, Germany)
Chair: Jozef Kesecioglu (Utrecht, Netherlands)

- Conscious sedation versus general anesthesia for thrombectomy in acute ischemic stroke. A customized election
  Abstract Presenter: Sara Alcántara Carmona (Majadahonda, Spain)

- Pain, Agitation and Delirium (PAD) in a community ICU - nurse focus group to inform PAD Quality Improvement (QI) program development
  Abstract Presenter: Jennifer L.Y. Tsang (Hamilton, Canada)
Scientific Programme

Nicotine replacement therapy in the intensive care unit: a randomized controlled pilot study
Abstract Presenter: Anne Schuppers (Deventer, Netherlands)

Guidelines and consensus statements on delirium-, analgesia- and sedation- management in the ICU - a systematic literature search and critical quality appraisal with AGREE II
Abstract Presenter: Max Rosenthal (Berlin, Germany)

The relationship of the timing and dose of dexmedetomidine administration with the incidence and duration of postoperative delirium in the elderly patients after major non-cardiac surgery
Abstract Presenter: Cheol Lee (Iksan, Korea, Republic of)

Oral Presentations
09:40 - 10:55
Milan

Outcome research in sepsis
#sepsis
Chair: Flavia R. Machado (São Paulo, Brazil)
Chair: Frauke Weidanz (Edinburgh, United Kingdom)

Causes of long-term mortality in severe sepsis and septic shock
Abstract Presenter: Susanne Wilhelms (Linköping, Sweden)

Persistent immune defects are detectable in survivors of a septic insult
Abstract Presenter: Sarah-Jane Forsyth (London, United Kingdom)

Basophils and mortality in septic shock
Abstract Presenter: Marta Martín-Fernández (Valladolid, Spain)

Hypothermia and fever in sepsis - different responses associated with differences in mortality
Abstract Presenter: Daniel O. Thomas-Rüddel (Jena, Germany)

Derivation of a predictive model for in-hospital mortality in a UK emergency department cohort identified as potentially septic: the LUCA2 score
Abstract Presenter: Duncan Hargreaves (Worthing, United Kingdom)

Oral Presentations
09:40 - 10:55
Geneva

Muscle mass preservation
#metabolic
Chair: Steven Thiessen (Leuven, Belgium)
Chair: Brian Kavanagh (Toronto, Canada)
### Scientific Programme

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Presenter</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:40</td>
<td>Effects of protocol based physiotherapy and added physiotherapeutic measures on insulin sensitivity in critically ill patients with multiple organ failure</td>
<td>Niklas Carbon (Berlin, Germany)</td>
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<tr>
<td>09:55</td>
<td>Association of body mass index and outcome in chronic hemodialysis patients requiring intensive care therapy</td>
<td>Wilfred Druml (Vienna, Austria)</td>
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<td>10:10</td>
<td>Does hypoxia play a role in the development of sarcopenia in humans? Mechanistic insights from the Caudwell Xtreme Everest expedition</td>
<td>Liesl Wandrag (London, United Kingdom)</td>
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<td>10:25</td>
<td>Body hydration as a confounder of muscle mass as assessed by bioelectrical impedance analysis in critically ill patients: a prospective cohort study</td>
<td>Nadine Denneman (Amsterdam, Netherlands)</td>
</tr>
<tr>
<td>10:40</td>
<td>Perioperatively acquired weakness</td>
<td>Tobias Wollersheim (Berlin, Germany)</td>
</tr>
</tbody>
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### LIVES Interactive Debates

09:45 - 10:45

**Target Temperature Management: What's cool?**

NIC/TEM

#trauma#neuro

Chair: Jerry Nolan (Bath, United Kingdom)

**Debate**

- Speaker: Hans Friberg (Lund, Sweden)
- Speaker: Kjetil Sunde (Oslo, Norway)
- Speaker: Fabio Silvio Taccone (Brussels, Belgium)

### NEXT Lounge

10:00 - 11:00

**2025: The future of Intensive Care**

#ESICMNEXT

Chair: Brijesh Patel (London, United Kingdom)

**Chronic critical illness: From acute to chronic organ support**

- Speaker: Margaret Herridge (Toronto, Canada)
- Speaker: Hannah Wunsch (Toronto, Canada)
**Poster Corner**

10:10 - 12:00

**Mechanical ventilation: Clinical studies**

#lung

**Chair:** Klaus Markstaller (Vienna, Austria)  
**Chair:** Pierre Singer (Petah Tiqva, Israel)

**The effect of evacuation of massive pleural effusions on the distribution of tidal volume and lung mechanics in mechanically ventilated patients**  
Abstract Presenter: Christos Nouris (Thessaloniki, Greece)

**An international study to assess the effect of high altitude over ARDS and mortality rate in invasive mechanically ventilated patients: a preliminary report**  
Abstract Presenter: Pablo Cardinal-Fernandez (Madrid, Spain)

**Evidence supporting the clinical uses of proportional assist ventilation: a systematic review and meta-analysis**  
Abstract Presenter: Bharath Kumar Tirupakuzhi Vijayaraghavan (Toronto, Canada)

**Impact of the introduction of a standardised ventilator associated pneumonia (VAP) prevention bundle and endotracheal tubes (ETTs) with subglottic suction ports on VAP rates in a large tertiary critical care centre**  
Abstract Presenter: Anna Forbes (London, United Kingdom)

**Dynamic stress may not be modified by conventional lung protective strategies in spontaneous ventilation compared to controlled ventilation modality**  
Abstract Presenter: Jose Gomez Ramirez (Ciudad de Mexico, Mexico)

**A randomized controlled trial comparing full closed loop controlled ventilation (IntelliVent-ASV™) with conventional ventilation in intubated COPD patients (interim analysis results)**  
Abstract Presenter: Cenk Kirakli (Izmir, Turkey)

**Partition of respiratory mechanics during the first day after lung transplantation. Influence on prognostic**  
Abstract Presenter: Purificación Carmona Sánchez (Córdoba, Spain)

**Comparison and concordance of three different ventilator associated pneumonia (VAP) criteria versus clinician diagnosis in a large tertiary critical care centre**  
Abstract Presenter: Alexa Prichard (London, United Kingdom)

**A comparison of response to reverse triggering between two ventilation modes: biphasic positive airway pressure ventilation and pressure controlled assist-control ventilation**  
Abstract Presenter: Tomonori Yamashita (Suita, Japan)

**Home mechanical ventilation**  
Abstract Presenter: Manuel Muñoz Garach (Granada, Spain)

**Characteristics, mortality and outcomes in patients treated with airway pressure release ventilation (APRV) for severe acute respiratory distress syndrome (ARDS)**  
Abstract Presenter: Melissa Echeverria Leon (Fuenlabrada, Madrid, Spain)

**Clinical characteristics of patients with late onset pompe’s disease requiring mechanical ventilation in the long term**  
Abstract Presenter: Mohamed Boussarsar (Sousse, Tunisia)
Compliance and outcomes of home ventilated chronic hypercapnic respiratory failure: a prospective observational study
Abstract Presenter: Mohamed Boussarsar (Sousse, Tunisia)

Effectiveness and safety of respiratory support with adaptive support ventilation in patients with severe traumatic brain injury
Abstract Presenter: Zinaida Marutyan (Moscow, Russian Federation)

Chronic obstructive pulmonary disease patients admitted in ICU for acute exacerbation requiring mechanical ventilation: the role of limitation of therapeutic effort on outcomes
Abstract Presenter: Daniela García Huertas (Granada, Spain)

Microcirculation and tissue oxygenation
#cardio
Chair: Vanina S. Kanoore Edul (Buenos Aires, Argentina)
Chair: Zsolt Molnar (Szeged, Hungary)

Hemodynamic and functional parameter (Co2 gap and Scvo2) as targets for resuscitation during septic shock
Abstract Presenter: Luigi La Via (Roma, Italy)

Alterations in peripheral microcirculatory in patients with Acute Respiratory Distress Syndrome (ARDS)
Abstract Presenter: Wasineenart Mongkolpun (Brussels, Belgium)

Hyperoxia does not alter oxygen delivery in healthy volunteers
Abstract Presenter: Bob Smit (Amsterdam, Netherlands)

Mitochondrial DNA predicts mortality in acute but not in chronic heart failure
Abstract Presenter: Konstantin Kryichtiu (Vienna, Austria)

Hyperlactatemia at 24 h and acute kidney injury predict mortality in cardiogenic shock patients requiring intra-aortic balloon pump in setting of acute coronary syndromes
Abstract Presenter: Mihai Stefan (Bucharest, Romania)

Hyperlactatemia after cardiac surgery: association with outcomes
Abstract Presenter: Jaqueline Jardim (São Paulo, Brazil)

Mortality prediction in septic shock patients evaluated by Cardiac Index and Dv-aCO2/Da-vO2 index
Abstract Presenter: Iván Mauricio Lima Lucero (Mexico, Mexico)

Cardiac CO2gap and perfusion coronary pressure during cardio-pulmonary by-pass: a new hemodynamic and functional parameter
Abstract Presenter: Temistocle Taccheri (Rome, Italy)

Dynamic parameters of preload predict impairments of intestinal microcirculation in a porcine model of ischemia-reperfusion
Abstract Presenter: Christoph R. Behem (Hamburg, Germany)
Scientific Programme

Accuracy of mixed venous oxygen saturation (SvO₂) and mixed venous-to-arterial carbon dioxide difference (pCO₂ gap) in predicting adverse outcomes in adult patients undergoing cardiac surgery: the Philippine Heart Center Experience
Abstract Presenter: Jeremiah Butch Gemarino (Quezon City, Philippines)

Intra observer variability of endothelial glycocalyx measurements in ICU patients using sidestream dark field imaging
Abstract Presenter: Martine Bol (Maastricht, Netherlands)

Microcirculation and slightly increased lactate levels: is there a bedside relationship? A cross-sectional pilot study
Abstract Presenter: Edske ter Bals (Amsterdam, Netherlands)

CO₂ variables after cardiac surgery and its association with renal failure. Preliminary results
Abstract Presenter: Tomás F. Fariña González (Madrid, Spain)

Central venous-arterial pCO₂ difference as a tool to guide postoperative management of cardiac surgery patients
Abstract Presenter: Imene Nefzi (Tunis, Tunisia)

Elderly: Triage and outcome

Factors influencing triage decisions in patients referred for ICU admission
Abstract Presenter: Mohamed Lamine Hariz (Manama, Bahrain)

Comparative analysis: elderly patient in the intensive care unit. (75-79) vs (80-90) years
Abstract Presenter: Juan Higuera (Madrid, Spain)

Chronic critically ill patients admitted to the ICU of two different social level Hospitals in São Paulo, Brazil: an overview of their socio-economic status, emotional disorders and quality-of-life
Abstract Presenter: Renata Rego Lins Fumis (São Paulo, Brazil)

Outcomes and prognostic factors in old and very old patients admitted to Intensive Care Unit
Abstract Presenter: Marta Rebelo (Lisbon, Portugal)

4th age at ICU: a reality
Abstract Presenter: David Iglesias Posadilla (Burgos, Spain)

Elderly patients undergoing whipple operation: resource utilization and postoperative complications in intensive care unit
Abstract Presenter: Chen Tse Lee (Taipei, Taiwan, Province of China)

Intensive care of elderly patients with solid tumors: a retrospective observational study
Abstract Presenter: Leandro U. Taniguchi (São Paulo, Brazil)
**Scientific Programme**

**Short-and long-term outcomes of very old patients admitted to intensive care unit**  
Abstract Presenter: Edite Marques Mendes (Porto, Portugal)

**Comparative analysis of mortality between elderly and non elderly sepsis and septic shock patients**  
Abstract Presenter: Alba Pérez González (Valladolid, Spain)

**When the critic becomes chronic - what shall we do?**  
Abstract Presenter: Ana Clara (Faro, Portugal)

**A retrospective study reviewing the mortality of emergency laparotomy patients admitted to the intensive care unit at heart of England foundation trust**  
Abstract Presenter: Arun Blaggan (Birmingham, United Kingdom)

**Hospital mortality in elderly patients admitted to surgical intensive care units at a tertiary referral hospital in Thailand**  
Abstract Presenter: Annop Piriyapatsom (Bangkoknoi, Thailand)

**Usefulness of modified early warning score on elderly patient with dyspnea in emergency department as a predictor for ICU admission**  
Abstract Presenter: Tae Hoon Kim (Busan, Korea, Republic of)

**Very elderly donors as a potential source for liver transplant. The next frontier?**  
Abstract Presenter: María Arís Pérez Lucendo (Madrid, Spain)

**Poster Corner**  
10:10 - 12:00

**Which nutritional practices in ICU ?**

#metabolic

Chair: Michael Casaer (Leuven, Belgium)  
Chair: Paul Marik (Virginia, United States)

**Albumin mass balance and kinetics in liver transplantation**  
Abstract Presenter: Mariam Amouzandeh (Stockholm, Sweden)

**Frailty syndrome among critically ill patients undergoing nutrition support therapy in a Brazilian tertiary hospital**  
Abstract Presenter: Leandro U. Taniguchi (São Paulo, Brazil)

**Current status of nutritional practice in Japan: a multicenter observational study**  
Abstract Presenter: Tomoaki Yatabe (Nankoku, Japan)

**Facilitated glucose control in critically III patients utilizing a very high protein low carbohydrate formula**  
Abstract Presenter: Todd Rice (Nashville, United States)

**A single mega dose supplementation of liquid cholecalciferol in 22 young adults with major burns from a large starch-based powder explosion: a retrospective data analysis**  
Abstract Presenter: Yin-Yi Han (Taipei, Taiwan, Province of China)

**In-Hospital mortality among different caloric target in critically III patients**  
Abstract Presenter: Chen Yu Wang (Taichung, Taiwan, Province of China)
Metabolic effects of a very high protein low carbohydrate enteral formula in critically ill medical patients
Abstract Presenter: Todd Rice (Nashville, United States)

Vitamin D levels in liver transplantation recipients. prospective observational study, preliminary data
Abstract Presenter: Gennaro Martucci (Palermo, Italy)

Inconsistent fasting practice before procedures: a national survey of United Kingdom intensive care units
Abstract Presenter: Ella Segaran (London, United Kingdom)

A retrospective analysis of the diagnosis and management of acute colonic pseudo-obstruction in a 60-bedded ICU
Abstract Presenter: Tom Gilbey (London, United Kingdom)

Early goal-directed enteral nutrition in NAGOYA University Emergency ICU
Abstract Presenter: Matsuda Naoyuki (Nagoya, Japan)

Effects of enteral nutrition on stress ulcer hemorrhage in critically ill patients: multicenter randomized controlled trial
Abstract Presenter: Kursat Gundogan (Kayseri, Turkey)

Olanzapine associated to glucose disturbances in intensive care unit
Abstract Presenter: Hector Pena Carrillo (Tehuacan, Mexico)

Trace element repletion following severe burn injury: a 16-year retrospective study
Abstract Presenter: Olivier Pantet (Lausanne, Switzerland)

Bedside ultrasound of muscle layer thickness of the quadriceps in the critically ill patient
Abstract Presenter: Ricardo Luiz Cordioli (São Paulo, Brazil)

Intensive care after cardiothoracic surgery
#periop

Chair: Nick Fletcher (London, United Kingdom)
Chair: Sascha Treskatsch (Berlin, Germany)

Early post-operative lung ultrasound to predict respiratory distress
Abstract Presenter: Emanuela Roldi (Pavie, Italy)

Mechanical power in obese patients during general anesthesia: how much energy?
Abstract Presenter: Davide Chiumello (Milan, Italy)

Evaluation of perioperative protective lung mechanical ventilation
Abstract Presenter: Casiano Groba (Brighton, United Kingdom)

Is left ventricular global longitudinal strain (AvgGLS) impairment after cardiopulmonary bypass related to anesthesia technique? A single center pilot study
Abstract Presenter: Guillaume Faivre (Montpellier, France)
Scientific Programme

Evaluation of Direct Electrical Cardioversion applied to the heart during weaning from cardiopulmonary bypass on Troponin I levels and outcomes after cardiac surgery
Abstract Presenter: Juan Carlos Lopez Delgado (L'Hospitalet de Llobregat, Spain)

Tracheal ultrasound combined with clinical characteristics to select adequate left double lumen tubes
Abstract Presenter: Emanuela Roldi (Pavie, Italy)

Analysis of the impact of two doses of methylprednisolone on the development of acute renal injury after cardiac surgery
Abstract Presenter: Alfredo González Pérez (Oviedo, Spain)

Incidence of respiratory complications after thymectomy in myasthenia gravis patients
Abstract Presenter: Aphichat Suphathamwit (Bangkok, Thailand)

Use of brain protein "Cellex" for prevention of postoperative cognitive dysfunction after cardiac surgery
Abstract Presenter: Mikhail Kirov (Arkhangelsk, Russian Federation)

Adherence and feasibility of an active decision support system based on a goal directed therapy protocol during high-risk vascular surgery: a prospective trial
Abstract Presenter: Arabella Fischer (Vienna, Austria)

Prolonged ICU length of stay after cardiac surgery: risk factors and outcomes
Abstract Presenter: Juan Carlos Lopez Delgado (L'Hospitalet de Llobregat, Spain)

CO2 variables after cardiac surgery as markers of adequate perfusion. Preliminary results
Abstract Presenter: Tomás F. Fariña González (Madrid, Spain)

The use of fluoroscopy may contribute to safe pulmonary artery catheter insertion without prolonging general anesthesia induction time
Abstract Presenter: Ken Katsuta (Toyoake, Japan)

The frequency of postoperative BNP measurement and intervention threshold of BNP concentration in pediatric cardiac intensive care unit: multicenter study in Japan
Abstract Presenter: Tomoyuki Kanazawa (Okayama, Japan)

Which anatomical measurements affect the misplacement of central catheters at the postoperative period in patients undergoing thoracotomy?
Abstract Presenter: Selda Sen (Aydin, Turkey)

Poster Corner
10:10 - 12:00

Cardiac arrest 2
#trauma
Chair: Alain Cariou (Paris, France)
Chair: Claudio Sandroni (Rome, Italy)

Outcomes and eligibility criteria of extracorporeal cardiopulmonary resuscitation in refractory cardiac arrest
Abstract Presenter: Sarah Luzon-Chetrit (Paris, France)
Scientific Programme

Outcome of patients with refractory cardiac arrest treated with extracorporeal cardiopulmonary resuscitation (ECPR)
Abstract Presenter: Andreas Krüger (Prague, Czech Republic)

Lactate values after out-of-hospital cardiac arrest: associations with one-year neurologic outcome
Abstract Presenter: Johanna Laurikkala (Helsinki, Finland)

Prediction of outcomes in cardiac arrest survivors remaining comatose more than four days after collapse: results from a prospective registry
Abstract Presenter: Petr Ostadal (Prague, Czech Republic)

Comparing to predicting mortality of scoring systems after CPR
Abstract Presenter: Handan Birbicer (Mersin, Turkey)

Air ambulance and out-of-hospital cardiac arrest: ‘highflying’ outcomes?
Abstract Presenter: Huw Garland (Cambridge, United Kingdom)

Multivariate analysis of time-course of veno-arterial extracorporeal membrane oxygenation used in patient with cardiac arrest
Abstract Presenter: Davide Francesco Ottolina (Milano, Italy)

Well controlled peripheral and core temperature reduces shivering of therapeutic hypothermia for post cardiac arrest syndrome
Abstract Presenter: Hideki Arimoto (Osaka, Japan)

Predictors of ischemic brain injury in survivors of out-of-hospital cardiac arrest
Abstract Presenter: Andreja Sinkovic (Maribor, Slovenia)

Prognostic value of early brain computed tomography after successful cardio-pulmonary resuscitation
Abstract Presenter: Athanasios Margaritis (Ioannina, Greece)

Hippocampal slice cultures as an in vitro model for ischemic brain damage induced by cardiac arrest
Abstract Presenter: Patricia Meyer (Bern, Switzerland)

The EFFECCT (Electronic feedback for effective chest compressions) trial - a pilot study
Abstract Presenter: Wan Yen Lim (Singapore, Singapore)

Factors associated with successful on-site return of spontaneous circulation by automated external defibrillator
Abstract Presenter: Chun Chieh Chao (Taipei, United States)

Extracorporeal life support in polytrauma patients with acute respiratory failure
Abstract Presenter: Rafael Avila (Santa Fe, Argentina)

Poster Corner
10:10 - 12:00
Trauma and burns management
#trauma
Chair: Sigrid Beitland (Oslo, Norway)
Chair: Charlotte van den Berg (Groningen, Netherlands)
Differential cytokine expression between antigen responders and non-responders in critically ill burn and neurosurgical patients  
Abstract Presenter: Scott Mueller (Aurora, United States)

Mortality study of burn patients in a critical burn unit  
Abstract Presenter: Lucía Cachafeiro Fuciños (Madrid, Spain)

Microbiologic study of pad used for packing in damage control laparotomy  
Abstract Presenter: Jungchul Kim (Gwangju, Korea, Republic of)

Traumatic brain injury (TBI) outcomes in an LMIC tertiary care centre and performance of trauma scores  
Abstract Presenter: Rashan Haniffa (Colombo, Sri Lanka)

Complications and mortality in severe trauma inpatient after intensive care unit discharge  
Abstract Presenter: Raquel Rodríguez García (Oviedo, Spain)

The impact of cumulative fluid balance on mortality and late multiple organ failure of trauma patients with prolonged ICU stay  
Abstract Presenter: Kazuhiro Okada (Inzai, Japan)

Prognostic analysis of pulmonary contusion in severe head trauma patients  
Abstract Presenter: Salah Snouda (Zaghoua, Tunisia)

Risk factors for delirium in patients with abdominal trauma  
Abstract Presenter: Yunchul Park (Gwangju, Korea, Republic of)

Disseminated intravascular coagulation during the early stage of isolated traumatic brain injury  
Abstract Presenter: Kenichi Katabami (Sapporo, Japan)

Differential time course of creatinine and urea after major trauma and their association with duration of hospitalisation  
Abstract Presenter: Ryan Haines (London, United Kingdom)

Hemostatic effect and complications of preperitoneal pelvic packing in patients with hemodynamic instability due to pelvic fracture  
Abstract Presenter: Gye Sung Ha (Wonju, Korea, Republic of)

Predictors of mortality and profile of thoracic injury patients requiring mechanical ventilation: a retrospective study  
Abstract Presenter: Kapil Dev Soni (Delhi, India)

Safety evaluation of passive verticalization for patients with polytrauma in intensive care unit  
Abstract Presenter: Zinaida Marutyan (Moscow, Russian Federation)

Traumatic brain injury and quality indicators: how is our compliance?  
Abstract Presenter: Ana Clara (Faro, Portugal)

Shedding of glycocalyx-derived heparan sulfate is not associated with auto-heparinization  
Abstract Presenter: Johannes Zipperle (Vienna, Austria)
Sepsis epidemiology and early identification

#sepsis

Chair: Jordi Rello (Barcelona, Spain)
Chair: Jerry Zimmerman (Seattle, United States)

The risk-stratification of emergency department sepsis (REDS) score, a new score combining the MISSED score, qSOFA, refractory hypotension and hyperlactaemia, compared with the change in SOFA score to risk-stratify emergency department patients admitted with an infection, for in-hospital mortality
Abstract Presenter: Narani Sivayoham (London, United Kingdom)

Rapid pathogen identification using matrix-assisted laser desorption/ionization time-of-flight improves appropriateness of antimicrobial therapy in patients with sepsis
Abstract Presenter: Won-Young Kim (Busan, Korea, Republic of)

Epidemiology of sepsis and validation of the Sepsis-3 definitions in a high-middle income country: a prospective cohort study from the Sociedad Argentina de Terapia Intensiva (SATI) in 809 patients
Abstract Presenter: Elisa Estenssoro (La Plata, Argentina)

Incorporating IRIDICA PCR / ESI-MS technology for the rapid identification of bloodstream microorganisms in severe sepsis and code sepsis activation (CS) at the Vall d’Hebron University Hospital
Abstract Presenter: Elisabeth Papiol (Barcelona, Spain)

The mortality attributable to sepsis in adult patients in intensive care
Abstract Presenter: Marinelle Schout (St. Leonards, Australia)

Early recognition and treatment for sepsis and septic shock in a tertiary hospital in Spain
Abstract Presenter: Víctor Daniel Gumucio-Sanguino (L’Hospital de Llobregat, Spain)

MALDI-TOF MS is not superior to standard blood-cultures in patients with infection who require mechanical ventilation or noradrenalin
Abstract Presenter: Andreja Sinkovič (Maribor, Slovenia)

Sensitivity of the SOFA score, quick SOFA score and SIRS criteria used in a tertiary critical care emergency center: a single-center observational study
Abstract Presenter: Masaki Todani (Yamaguchi, Japan)

Sepsis code activation in a high complexity hospital
Abstract Presenter: Jaume Baldirà (Barcelona, Spain)

Prevalence and short-term prognosis of sepsis and septic shock defined according to Sepsis-3 definitions in a single tertiary care ICU in Turkey
Abstract Presenter: Arzu Topeli (Ankara, Turkey)

Analysis of the bacteremias admitted to the Intensive Care Unit of a regional hospital
Abstract Presenter: Alejandro Ubeda (Algeciras, Spain)

Mortality in septic patients admitted to the Intensive Care Unit (ICU) of a regional hospital
Abstract Presenter: Alejandro Ubeda (Algeciras, Spain)

Pre-hospital identification of septic patients: a comparison of process measures between patients identified pre-hospital and those identified in the emergency department
Abstract Presenter: Joshua de Carvalho (Brighton, United Kingdom)
Scientific Programme

The incidence of sepsis in an Australian ICU: a prospective clinical diagnosis versus a retrospective database diagnosis
Abstract Presenter: Manon Heldens (Nijmegen, Netherlands)

Live demonstration and practicum of big data analytics
#tech
Chair: Marius Terblanche (London, United Kingdom)
Twitter Chair: Matthew J. Rowland (Oxford, United Kingdom)

Live demonstration of analysis with Big Data tools
Speaker: Ari Ercole (Cambridge, United Kingdom)
Speaker: Theodoros Kyprianou (Nicosia, Cyprus)

MV area
Case scenario
Speaker: Jean-Michel Constantin (Clermont-Ferrand, France)
Speaker: Lise Piquilloud (Lausanne, Switzerland)

TEE/TOE area
Demonstration of medical manikins
Speaker: Michelle Chew (Malmö, Sweden)
Speaker: Anthony McLean (Sydney, Australia)

Hands-on
Speaker: Michelle Chew (Malmö, Sweden)
Speaker: Anthony McLean (Sydney, Australia)

Thematic Session
The failing organs in sepsis
#sepsis
Chair: Massimo Girardis (Modena, Italy)
Chair: Dirk Donker (Utrecht, Netherlands)

Host-pathogen interactions
Speaker: Peter Pickkers (Nijmegen, Netherlands)
Scientific Programme

Discussion 11:15

Cardiac dysfunction 11:20
Speaker: Alexandre Mebazaa (Paris, France)

Discussion 11:35

Vascular dysfunction 11:40
Speaker: Can Ince (Amsterdam, Netherlands)

Discussion 11:55

Thematic Session
11:00 - 12:00 Berlin

Chloride: An underestimated foe

MEN/AKI
#metabolic#renal

Chair: Eric Hoste (Ghent, Belgium)
Chair: John Kellum (Pittsburgh, United States)

Physiology of chloride 11:00
Speaker: John Kellum (Pittsburgh, United States)

Discussion 11:15

Chloride and the kidney 11:20
Speaker: Carole Ichai (Nice, France)

Discussion 11:35

Do fluids really affect chloride? 11:40
Speaker: Nishkantha Arulkumaran (London, United Kingdom)

Discussion 11:55

Clinical Challenges Session
11:00 - 11:50 Amsterdam

How do I get information from echocardiography for managing a patient with septic shock?
#cardio

Chair: Armand Mekontso Dessap (Créteil, France)

Presentation
Speaker: Xavier Monnet (Paris, France)
Scientific Programme

Clinical Challenges Session
11:00 - 11:50

How do I find out what's wrong with my hypoxic patient?
#lung
Chair: Antoine Vieillard-Baron (Boulogne, France)

Presentation
Speaker: Sameer Jog (Pune, India)

Clinical Challenges Session
11:00 - 11:50

How do I treat extensive and pandrug resistant infections?
#micro
Chair: Despoina Koulenti (Brisbane, Australia)

Presentation
Speaker: George Dimopoulos (Athens, Greece)

Clinical Challenges Session
11:00 - 11:50

How do I manage my patient with combined head injury/severe internal haemorrhage?
#trauma
Chair: David Lockey (Bristol, United Kingdom)

Presentation
Speaker: Jacques Duranteau (Kremlin-Bicetre, France)

Clinical Challenges Session
11:00 - 11:50

How do I diagnose and manage auto immune disease and vasculitis?
#renal
Chair: Djillali Annane (Garches, France)

Presentation
Speaker: Marlies Ostermann (London, United Kingdom)
Scientific Programme

Thematic Session
11:00 - 12:00

Infection prevention - Commitment to excellence
#micro
Chair: Jean-François Timsit (Paris, France)
Chair: Ricard Ferrer Roca (Barcelona, Spain)

Quality Improvement cycles can help
Speaker: José Artur Paiva (Porto, Portugal)
Discussion

Hand hygiene: How to maximise compliance
Speaker: Philippe Montravers (Paris, France)
Discussion

SOD and SDD: Just wait for new evidence?
Speaker: Jozef Kesecioglu (Utrecht, Netherlands)
Discussion

Thematic Session
11:00 - 12:00

Global migration: What do intensivists need to know?
#ethic
Chair: J. Randall Curtis (Seattle, United States)
Chair: Rik Gerritsen (Leeuwarden, Netherlands)

Does migration change the infectious landscape in our ICUs?
Speaker: Christiane Hartog (Jena, Germany)
Discussion

Do we need to triage?
Speaker: Victoria Metaxa (London, United Kingdom)
Discussion

End-of-life care in the migrant population: The multicultural version
Speaker: Andrej Michalsen (Tettnang, Germany)
Discussion
**Scientific Programme**

**Thematic Session**  
11:00 - 12:00  
Geneva

**ICU well-being: Does it matter?**  
#ESICMNAHP

Chair: Anne-Sophie Debue (Paris, France)  
Chair: Mireia Llaurado Serra (Tarragona, Spain)  
Twitter Chair: Stephen Shepherd (London, United Kingdom)

**What do patients & relatives tell us?**  
Speaker: Johannes Mellinghoff (London, United Kingdom)  
11:00

**Discussion**  
11:15

**Health warning: Clinician dissatisfaction!**  
Speaker: Elsa P. Afonso (Cambridge, United Kingdom)  
11:20

**Discussion**  
11:35

**Care for ourselves - What are the strategies?**  
Speaker: Silvia Calvino Günther (Grenoble, France)  
11:40

**Discussion**  
11:55

**NEXT Lounge**  
11:00 - 12:00  
NEXT Lounge

**Research workshop**  
#ESICMNEXT

Chair: Burcin Halacli (Ankara, Turkey)  
Chair: Peter Schellongowski (Vienna, Austria)

**Critical literature appraisal workshop**  
Speaker: Massimo Antonelli (Rome, Italy)  
Speaker: Howard Bauchner (Boston, United States)  
Speaker: Karin Amrein (Graz, Austria)  
11:00

**Publishing your work**  
Speaker: Howard Bauchner (Boston, United States)  
11:40

**LIVES Interactive Debates**  
11:00 - 12:00  
LIVES Interactive Debate

**Resuscitation in septic shock: Do we need fluids?**  
SIS/CD  
#sepsis#cardio

Chair: Claude Martin (Marseille, France)
Scientific Programme

Debate 11:00
Speaker: Jean-Louis Teboul (Kremlin-Bicetre, France)
Speaker: Yasser Sakr (Jena, Germany)
Speaker: Daniel De Backer (Braine L'Alleud, Belgium)

Simulation Centre 11:00 - 12:30
Simulation Centre - ECMO Area

ECMO area 11:00
Hands-on
Speaker: Chirine Mossadegh (Paris, France)
Speaker: Sabine Valera (Marseille, France)
Speaker: Hugo Guillou (Paris, France)
Speaker: Emric Besnard (Paris, France)
Speaker: Dinis Reis Miranda (Groningen, Netherlands)

Simulation Centre 11:30 - 13:30
Simulation Centre - Difficult Airway Management Area

Difficult airway management area - Focus on bronchoscopy in ICU 11:30
Hands-on
Speaker: Sheila Nainan Myatra (Mumbai, India)
Speaker: Samir Jaber (Montpellier, France)
Speaker: Gennaro De Pascale (Rome, Italy)

NEXT Lounge 12:00 - 13:00
NEXT Lounge

Lunch session

#ESICMNEXT
Chair: Laura Galarza (Castellon, Spain)

NEXT Networking: Mobility 12:00
Speaker: Bernardo Bollen Pinto (Geneva, Switzerland)

Industry Sponsored Session 12:30 - 14:00
Berlin

Industry sponsored session
Scientific Programme

Industry Sponsored Session
12:30 - 14:00

Industry sponsored session

Industry Sponsored Session
12:30 - 14:00

Industry sponsored session

Industry Sponsored Session
12:30 - 14:00

Industry sponsored session

Industry Sponsored Session
12:30 - 14:00

Industry sponsored session

Industry Sponsored Session
12:30 - 14:00

Industry sponsored session

NEXT Lounge
13:00 - 14:00

Perioperative tissue hypoxia: A matter of oxygen?

#ESICMNEXT

Chair: Bernardo Bollen Pinto (Geneva, Switzerland)

Presentation

Speaker: Luciano Gattinoni (Milan, Italy)
Speaker: Azriel Perel (Tel Aviv, Israel)
Speaker: Michael Sander (Giessen, Germany)
Speaker: Massimo Girardis (Modena, Italy)
Scientific Programme

Simulation Centre
13:00 - 14:00
Simulation Centre - Mechanical Ventilation Area

**MV area**

**Case scenario**
Speaker: Lise Piquilloud (Lausanne, Switzerland)
Speaker: Jordi Mancebo Cortes (Montreal, Canada)

Simulation Centre
13:00 - 14:00
Simulation Centre - TEE/TOE Area

**TEE/TOE area**

**Demonstration of medical manikins**

13:00

**Hands-on**
Speaker: Nick Fletcher (London, United Kingdom)
Speaker: Xavier Repesse (Paris, France)

Simulation Centre
13:00 - 14:30
Simulation Centre - ECMO Area

**ECMO area**

13:00

**Hands-on**
Speaker: Chirine Mossadegh (Paris, France)
Speaker: Sabine Valera (Marseille, France)
Speaker: Emric Besnard (Paris, France)
Speaker: Hugo Guillou (Paris, France)
Speaker: Dinis Reis Miranda (Groningen, Netherlands)

Simulation Centre
13:45 - 15:45
Simulation Centre - Difficult Airway Management Area

**Difficult airway management area - Focus on bronchoscopy in ICU**

13:45

**Hands-on**
Speaker: Sheila Nainan Myatra (Mumbai, India)
Speaker: Gennaro De Pascale (Rome, Italy)
Speaker: Massimo Antonelli (Rome, Italy)

NEXT Lounge
14:00 - 15:00

**That was a challenging case!**

#ESICMNEXT

Chair: Steffen Weber-Carstens (Berlin, Germany)
Scientific Programme

Case 2
Speaker: Julian Bion (Birmingham, United Kingdom)

Poster Corner
14:00 - 15:50

Artificial airways and complications

#lung

Chair: Laurent Papazian (Marseille, France)
Chair: Brijesh Patel (London, United Kingdom)

- Ultrasound-guided percutaneous dilational tracheostomy: a systematic review of randomized controlled trials and meta-analysis
  Abstract Presenter: André Gobatto (São Paulo, Brazil)

- Predictors of an airway complication during intubation among the critically ill: a nested case-control study of airway management - part I
  Abstract Presenter: Onur Demirci (Rochester, MN, United States)

- Optimum timing
  Abstract Presenter: Elena Trujillo-Garcia (Málaga, Spain)

- Airway management in critical care - an audit of practice & complication rate following implementation of an intubation bundle of care
  Abstract Presenter: Sahiba Sethi (London, United Kingdom)

- The utility of the C-MAC as a training tool for direct laryngoscopy in the emergent endotracheal intubation
  Abstract Presenter: Seok Woo Jo (Seoul, Korea, Republic of)

- Tracheostomy teaching for newly qualified doctors
  Abstract Presenter: Eleanor Ford (Oxford, United Kingdom)

- ICU-acquired swallowing disorders after prolonged intubation in the elderly: a fiberoptic endoscopic study
  Abstract Presenter: Misuzu Nakanishi (Kurashiki city, Japan)

- Percutaneous vs surgical tracheostomy outcomes in critical patients
  Abstract Presenter: Juan Martin-Lazaro (London, United Kingdom)

- Pilot study on the safety of mechanical 'Insufflation-Exsufflation' in patients with artificial airway
  Abstract Presenter: Tomás Fariña (Madrid, Spain)

- Cumulative results from 10 years of tracheostomy data collection in a large tertiary university hospital in Ireland
  Abstract Presenter: Siobhán Healy (Cork, Ireland)

- SLT Management of tracheostomised patients: a comparative audit
  Abstract Presenter: Neresha Maistry (London, United Kingdom)

- Does unplanned extubation have an impact on ICU outcome?
  Abstract Presenter: Cenk Kirakli (İzmir, Turkey)
**Scientific Programme**

**Tracheostomy complications. Checklist**  
Abstract Presenter: Elena Trujillo-Garcia (Málaga, Spain)

**Respiratory management in children with tracheostomy airway prosthesis - clinical experience**  
Abstract Presenter: Ana Oglinda (Chisinau, Republic of Moldova)

**Effect of low tidal volume on absolute humidity delivered by heated humidifiers in ICU ventilators - a bench study**  
Abstract Presenter: Claude Guérin (Lyon, France)

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**Poster Corner**

14:00 - 15:50

**Non-invasive ventilation: Clinical studies**

#lung

**Effect of high-flow nasal cannula oxygen therapy on thoraco-abdominal synchrony in pediatric patients after cardiac surgery**  
Abstract Presenter: Taiga Itagaki (Tokushima, Japan)

**A randomized cross-over physiological study of high flow nasal oxygen cannula versus non-invasive ventilation in adult patients with cystic fibrosis: the HIFEN study**  
Abstract Presenter: Michael Sklar (Toronto, Canada)

**High flow nasal cannula vs standard oxygen face mask during physiotherapy in brain injury patients: a feasible study**  
Abstract Presenter: Andrea N. Cracchiolo (Palermo, Italy)

**Optiflow can be safely used by the outreach team to prevent unplanned ICU admissions**  
Abstract Presenter: Francesca Rubulotta (London, United Kingdom)

**Early alert of failure in critical patients with high flow oxygen therapy**  
Abstract Presenter: Juan Martin-Lazaro (London, United Kingdom)

**Dyspnea in patients receiving non invasive ventilation in the ICU: prevalence, risk factors and prognosis impact**  
Abstract Presenter: Alexandre Demoule (Paris, France)

**High-flow nasal oxygen cannula in patients with chronic obstructive pulmonary disease requiring ventilator support**  
Abstract Presenter: Nuttapol Rittayamai (Toronto, Canada)

**Analysis of a prediction scale for the failure of non-invasive ventilation in patients with hypoxemic respiratory failure**  
Abstract Presenter: Antonia Lopez Martinez (Murcia, Spain)

**Non invasive ventilation use in Severe Hypercapnic Encephalopathy**  
Abstract Presenter: Mohamed Boussarsar (Sousse, Tunisia)
High flow nasal cannula oxygen versus non-invasive ventilation in acute respiratory failure? A systematic analysis of available literature
Abstract Presenter: Lim Beng Leong (Singapore, Singapore)

Abstract Presenter: Mohamed Boussarsar (Sousse, Tunisia)

Factors associated with NIV failure in patients admitted for acute exacerbation of chronic respiratory failure (AE/CRF) in a Tunisian medical intensive care unit
Abstract Presenter: Mohamed Boussarsar (Sousse, Tunisia)

Compared NIV use and outcomes in Acute Exacerbations of Chronic Obstructive Pulmonary Disease (AECOPD) vs acute exacerbations of restrictive diseases
Abstract Presenter: Mohamed Boussarsar (Sousse, Tunisia)

One year outcomes of ICU survivor’s patients after an acute exacerbation of a chronic respiratory disease (AE/CRD)
Abstract Presenter: Mohamed Boussarsar (Sousse, Tunisia)

Nasal mask continues positive airway pressure versus high flow nasal cannula after extubation for high risk patients
Abstract Presenter: Masaaki Sakuraya (Hatsukaichi, Japan)

Poster Corner
14:00 - 15:50

Acute kidney injury: Epidemiology & outcome

#renal
Chair: Miet Schetz (Leuven, Belgium)
Chair: Jean-Charles Preiser (Brussels, Belgium)

Renal outcome and mortality of ICU survivors up to 7 years after hospital discharge
Abstract Presenter: Salma Ayis (London, United Kingdom)

Long-term outcomes after acute kidney injury: a prospective observational cohort
Abstract Presenter: Erika Paola Plata-Menchaca (México, Mexico)

Preoperative albuminuria as a predictive marker of perioperative acute kidney injury (AKI) in non-cardiac major surgery
Abstract Presenter: Diamantina Marouli (Heraklion, Greece)

Organ failures associated with acute kidney injury in critically ill cirrhotics have a major influence on disease progression and outcomes: a prospective ICU based study
Abstract Presenter: Rakhi Malwall (New Delhi, India)

Impact of acute kidney injury requiring renal replacement therapy on prognosis of cancer patients treated at the ICU
Abstract Presenter: Wilfred Druml (Vienna, Austria)

Predictive modelling for acute kidney injury and renal replacement therapy after major trauma
Abstract Presenter: Ryan Haines (London, United Kingdom)
Scientific Programme

**Acute kidney injury and pneumococcal infection in critically ill patients**
Abstract Presenter: Martina Cecchia (Piacenza, Italy)

**Acute kidney injury after out-of-hospital cardiac arrest**
Abstract Presenter: Lara Colino Gomez (Madrid, Spain)

**Acute kidney injury in critical trauma patients: incidence and clinical outcomes**
Abstract Presenter: Rafael Avila (Santa Fe, Argentina)

**Higher scores in the dynamic prediction for renal replacement model may be associated with mortality and fewer CRRT-free days**
Abstract Presenter: Careli Gomez Motezuma (Mexico City, Mexico)

**Effect of AKI in ICU on ICU outcomes**
Abstract Presenter: Marcin Pachucki (Bristol, United Kingdom)

**Acute kidney injury incidence in septic patients**
Abstract Presenter: Maria-Victoria de la Torre-Prados (Málaga, Spain)

**Acute kidney injury incidence & progression: a single center analysis**
Abstract Presenter: Marcin Pachucki (Bristol, United Kingdom)

**Incorporating Acute Kidney Injury Network (AKIN) criteria with National Early Warning Scores (NEWS) to predict patient outcomes in ICU admissions**
Abstract Presenter: Prashant Parulekar (Brighton, United Kingdom)

**Renal function recovery and long term mortality in critical care patients with acute kidney injury subjected to continuous renal replacement therapy**
Abstract Presenter: Noemi Varga (Barcelona, Spain)

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**Acute heart failure and myocardial ischemia**

#cardio

Chair: Michel Slama (Amiens, France)
Chair: Ignacio Monge García (Jerez de la Frontera, Spain)

**Effect of levosimendan on the short-term clinical course of cardiomyopathic patients after cardiopulmonary bypass surgery**
Abstract Presenter: Maher Alnajjar (Jeddah, Saudi Arabia)

**Growth differentiation factor (GDF)-15 is associated with mortality in patients with severe acute heart failure or cardiogenic shock**
Abstract Presenter: Max Lenz (Vienna, Austria)

**Mortality after weaning from extracorporeal membrane oxygenation**
Abstract Presenter: Hyun Joo Lee (Seoul, Korea, Republic of)

**Mini-invasive mechanical circulatory support for cardiogenic shock or refractory cardiac arrest: long-term outcomes from a prospective study**
Abstract Presenter: Petr Ostadal (Prague, Czech Republic)
**Scientific Programme**

**Veno-arterial extracorporeal membrane oxygenation for refractory cardiogenic shock: very precocious lactate-clearance as prognostic determinant**  
Abstract Presenter: Davide Francesco Ottolina (Milano, Italy)

**False positive ST elevation in a primary PCI program in ICU**  
Abstract Presenter: Olga Moreno Romero (Granada, Spain)

**Causes and relevance of non-revascularized STEMI patients in a primary PCI program in ICU**  
Abstract Presenter: Olga Moreno Romero (Granada, Spain)

**A single-centre retrospective observational study to evaluate Tako-Tsubo syndrome**  
Abstract Presenter: Carmen Collado Moreno (Cadiz, Spain)

**A bedside predictive model of mortality in the octuagenarian and over octuagenarian undergoing heart surgery**  
Abstract Presenter: Alberto Corona (Milan, Italy)

**Evolution of risk factors in patients with ST-segment elevation myocardial infarction in a second level hospital and in Andalusia**  
Abstract Presenter: P. Nuevo-Ortega (Málaga, Spain)

**Acute heart failure in a Tunisian medical ICU: prognosis and risk factors**  
Abstract Presenter: Mohamed Boussarsar (Sousse, Tunisia)

**Gender and ST-segment elevation myocardial infarction in a second level hospital**  
Abstract Presenter: Maria-Victoria de la Torre-Prados (Málaga, Spain)

**Evolution of the delays in ST-segment elevation myocardial infarction in a second level hospital and in Andalusia**  
Abstract Presenter: P. Nuevo-Ortega (Málaga, Spain)

**Ten-years evaluation of patients with myocardial infarction and nonobstructive coronary arthery**  
Abstract Presenter: Juan Carlos Rodríguez Yañez (Cadiz, Spain)

**A crossover study of the hemodynamic effects of body temperature vs. room temperature fluid boluses in healthy volunteers**  
Abstract Presenter: Olof Wall (Stockholm, Sweden)

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**Organisation issues**

### outcomes

Chair: Nishkantha Arulkumaran (London, United Kingdom)
Chair: Felix Balzer (Berlin, Germany)

**The science and the art of practicing intensive care medicine in Latin America: the human factor**  
Abstract Presenter: Leyla Alegría (Santiago, Chile)

**Evaluation of a peer support training program in a university medical center**  
Abstract Presenter: Marjel J. van Dam (Utrecht, Netherlands)
Scientific Programme

**Prognostic factors and strategies of flow management in sepsis cases**
Abstract Presenter: Hudson Pires (Uberaba, Brazil)

**Improving referrals to a general adult intensive care unit at a UK tertiary centre**
Abstract Presenter: Adrian Wong (Oxford, United Kingdom)

**Improving referrals to a general adult intensive care unit at a university teaching hospital**
Abstract Presenter: Daniel Day (Oxford, United Kingdom)

**Blood glucose control in critically ill adult patients: results of a practice survey in French intensive care units**
Abstract Presenter: Laurent Carteron (Lausanne, Switzerland)

**Evaluation of the practice of proning in patients with ARDS across 22 Intensive Care Units in London, United Kingdom**
Abstract Presenter: Tahseen Samee (London, United Kingdom)

**Epidemiological characteristics of patients accepted to the Medical Intensive Care service in a tertiary hospital in Qatar: a retrospective review of critical care registry from January 2015 to December 2015**
Abstract Presenter: Abdulsalam Ibrahim (Doha, Qatar)

**Mechanical ventilation: use and weaning practice in Thailand**
Abstract Presenter: Napplika Kongpolprom (Bangkok, Thailand)

**Reliability of a standardized protocol for bedside quadriceps strength measurement in critically ill patients**
Abstract Presenter: Anne-Francoise Rousseau (Liège, Belgium)

**Associated factors with frequent doctors’ visits in ICU survivors. One year survey**
Abstract Presenter: Mohamed Boussarsar (Sousse, Tunisia)

**Evaluation of a novel classification of heat illness**
Abstract Presenter: Takahiro Yamamoto (Ube, Yamaguchi, Japan)

**Acceptance of a new electronic medical records system among the nursing staff in ICUs based on TAM2**
Abstract Presenter: Alexander Furmanov (Jerusalem, Israel)

**Health records on ICU - is digital really the future?**
Abstract Presenter: Adrian Wong (Oxford, United Kingdom)

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Caring for the ICU patient: Challenges and opportunities

#ESICMNAHP

Chair: Elsa P. Afonso (Cambridge, United Kingdom)
Chair: Jerry Zimmerman (Seattle, United States)

**The time course analyses of the most stressful symptoms and their impact on your daily practice**
Abstract Presenter: Hisayo Horiuchi (Kurashiki, Japan)
Scientific Programme

**Dysphagia in acute cervical spinal cord injury-development of a screening tool through a Delphi process of expert consensus**
Abstract Presenter: Jackie McRae (Stanmore, United Kingdom)

**Witnessing a paradigm shift: from curative to palliative care**
Abstract Presenter: Freda DeKeyser Ganz (Jerusalem, Israel)

**Nursing interventions to increase sleep quality for ICU patients**
Abstract Presenter: Anne van Wijk (Amsterdam, Netherlands)

**A pilot exploratory study to understand the prevalence, risk and fear of falling in individuals following critical illness**
Abstract Presenter: Selina M. Parry (Melbourne, Australia)

**Utilization of restraints in critical care unit**
Abstract Presenter: Rasul Farshatov (Ufa, Russian Federation)

**Separator fluid volume requirements in multi-infusion settings**
Abstract Presenter: Frank Doesburg (Groningen, Netherlands)

**Nurse driven experience of peripheral insertion central catheters (PICC) in an adult intensive care unit: prospective observational study**
Abstract Presenter: Andres Forero (Bogota, Colombia)

**Alarm reduction in the ICU**
Abstract Presenter: Wouter Veugen (Amsterdam, Netherlands)

**Exploring the role of organizational factors to variations in incidence of delirium in ICU patients**
Abstract Presenter: Paul Rood (Nijmegen, Netherlands)

**Five-year survival and causes of death of children after intensive care**
Abstract Presenter: Elina Kyösti (Oulu, Finland)

**Implementation of nutrition support guidelines in children receiving ECMO**
Abstract Presenter: Jorge A. Coss-Bu (Houston, United States)

**Total exchange transfusion in critically ill children with severe pertussis**
Abstract Presenter: Jorge A. Coss-Bu (Houston, United States)

**Mobilising within the paediatric intensive care unit - a service evaluation**
Abstract Presenter: Laura McGibbon (Glasgow, United Kingdom)

**Unresolved problems about determination of brain arrest in pediatric patients in Japan**
Abstract Presenter: Tadashi Ishihara (Fuchu, Japan)

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**Transfusion and blood management**

#periop

Chair: Dietmar Fries (Innsbruck, Austria)
Chair: Matthias Goepfert (Passau, Germany)
Scientific Programme

D-Dimer testing in patients with concomitant renal insufficiency in critical illness: usefulness and new perspectives
Abstract Presenter: Carmen A. Pfortmueller (Vienna, Austria)

Downward bias of conductivity based point-of-care hemoglobin measurement compared with optical methods
Abstract Presenter: Jun Hyun Kim (Goyang, Korea, Republic of)

Use of recombinant factor seven for severe haemorrhage including patients who have had major trauma
Abstract Presenter: Chris Mason (London, United Kingdom)

Efficacy of prophylactic anticoagulation with enoxaparin in ICU patients measured by antiXa activity: a retrospective study
Abstract Presenter: Ivana Zykova (Liberec, Czech Republic)

Venous thromboembolism in the Intensive care unit: a prospective observational study of occurrence, risk factors and outcome
Abstract Presenter: Sigrid Beitland (Oslo, Norway)

ROTEM EXTEM clotting time versus thrombin generation in experimentally reconstituted whole blood
Abstract Presenter: Giacomo Iapichino (Milano, Italy)

Rotational thromboelastometry to detect hyperfibrinolysis with tissue plasminogen activator for catheter thrombosis in critically ill patients
Abstract Presenter: Aaron Mittel (New York, United States)

Recombinant activated VII factor at massive bleeding in case of invasive placenta
Abstract Presenter: Efim Shifman (Moscow, Russian Federation)

Agreement between activated partial thromboplastin time (aPTT) and anti-Xa activity (antiXa) in critically ill patients under therapeutic anticoagulation
Abstract Presenter: Damian Ratano (Lausanne, Switzerland)

The correlation between conventional coagulation tests and thromboelastography in each phase of liver transplantation
Abstract Presenter: Ji Hyun Cheon (Yangsan, Korea, Republic of)

Survival and associated predictor in the critically ill patient after transfusion therapy
Abstract Presenter: Raquel Rodríguez García (Oviedo, Spain)

EXTEM ROTEM profile in a cohort of patients with non recovered cardiac arrest
Abstract Presenter: Jesús A. Barea-Mendoza (Madrid, Spain)

Causes of hypofibrinogenemia in the ICU
Abstract Presenter: Dionysia Koutrafouri (Athens, Greece)
Impact of the use of biomarkers on early discontinuation of empirical antifungal therapy in critically ill patients: a randomised controlled study
Abstract Presenter: Anahita Rouzé (Lille, France)

Empirical therapy with an echinocandin reduces mortality in critically ill patients with candidaemia: a propensity score-adjusted analysis of a multicenter study. A propensity score-adjusted analysis of a multicenter study
Abstract Presenter: Jorge Rodríguez-Gomez (Cordoba, Spain)

Monotherapy vs. combination therapy for bacteriemia treatment in adult intensive care patients. A retrospective cohort study
Abstract Presenter: Antonio Naharro Abellán (Majadahonda, Spain)

Abnormal capillary refill time after 6 hours of resuscitation predicts the requirement of high-volume hemofiltration (HVHF) as a rescue therapy in septic shock patients
Abstract Presenter: Mónica Silva (Santiago, Chile)

De-escalation in a mixed intensive care unit with selective digestive decontamination significantly decreases ICU mortality
Abstract Presenter: Catalina Sánchez Ramírez (Las Palmas de Gran Canaria, Spain)

Immunomodulation of therapeutic normothermia in febrile septic shock patients: a randomized controlled trial
Abstract Presenter: Jutamas Saoraya (Bangkok, Thailand)

Histone deacetylases inhibition reduces mortality in a murine model of secondary pneumonia
Abstract Presenter: Fanny Alby-Laurent (Paris Cedex 14, France)

Computer-controlled closed-loop drug infusion system for automated hemodynamic resuscitation in septic shock
Abstract Presenter: Kazunori Uemura (Suita, Japan)

APJ receptor uncoupling from the Gai/Adenylyl Cyclase/cAMP signaling pathway enhances the inotropic response to apelin-13 (APL-13) during experimental sepsis: impact of biased ligands
Abstract Presenter: Olivier Lesur (Sherbrooke, Canada)

Fluid and norepinephrine resuscitation fail to correct renal failure in endotoxic shock
Abstract Presenter: Arnaldo Dubin (La Plata, Argentina)

Defibrotide prevents sepsis induced endothelial cell activation
Abstract Presenter: Sara Fernández (Barcelona, Spain)

IgM enriched immunoglobulins as adjunctive treatment to antimicrobial therapy for patients in septic shock
Abstract Presenter: Alberto Corona (Milan, Italy)

Stem cells mobilization in surgical patients with septic shock
Abstract Presenter: Antonella Cotoia (Foggia, Italy)
Scientific Programme

**Is it possible to predict the hemodynamic profile of ventilated patients with septic shock using front-line hemodynamic parameters?**
Abstract Presenter: Bruno Evrard (Limoges, France)

**Audit of adherence to the magnificent seven care bundle on antimicrobial usage in Colchester intensive care**
Abstract Presenter: Peter Cooke (Colchester, United Kingdom)

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**Difficult to treat infections - Facing the challenge**

**Necrotising skin and soft tissue infection**
Speaker: Jan De Waele (Ghent, Belgium)

**Discussion**

**Infection in severe pancreatitis**
Speaker: Kirsi Maija Kaukonen (Helsinki, Finland)

**Discussion**

**Nosocomial meningitis**
Speaker: Romain Sonneville (Paris, France)

**Discussion**

**Mediastinitis**
Speaker: Marc Leone (Marseille, France)

**Discussion**

**Intravascular device infections**
Speaker: Maria Deja (Berlin, Germany)

**Discussion**

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**Unresolved haemodynamic questions in septic shock**

**Should targeting ScvO2 be abandoned?**
Speaker: Zsolt Molnar (Szeged, Hungary)
30th Annual Congress of the European Society of Intensive Care Medicine,  
23 - 27 September 2017,  
Vienna, Austria

Scientific Programme

Discussion 14:30
Should we monitor microcirculation and how?  
Speaker: Vanina S. Kanoore Edul (Buenos Aires, Argentina)

Discussion 14:33
Is there a place for vasopressin or analogs?  
Speaker: Anthony Gordon (London, United Kingdom)

Discussion 14:48
Should we use high doses of norepinephrine?  
Speaker: Bruno Levy (Vandoeuvre les Nancy, France)

Discussion 14:51
Is there a place for Levosimendan?  
Speaker: Anthony Gordon (London, United Kingdom)

Discussion 15:06

Joint Session
14:15 - 15:45

Amsterdam

Joint with FASIM - From injury to ICU: What’s new?
#trauma#neuro

Chair: Claus Krenn (Vienna, Austria)  
Chair: Jacques Duranteau (Kremlin-Bicetre, France)

Stabilising and transferring an emergency, where to go?  14:15
Speaker: Martin Dünser (London, United Kingdom)

Discussion 14:30

To cool or not to cool post-cardiac arrest patients?  14:33
Speaker: Hans Friberg (Lund, Sweden)

Discussion 14:48

What’s new in neuromonitoring?  14:51
Speaker: Geert Meyfroidt (Leuven, Belgium)

Discussion 15:06

Coagulation and brain injury  15:09
Speaker: Marion Wiegele (Vienna, Austria)

Discussion 15:24

New therapies for massive stroke  15:27
Speaker: Bettina Pfausler (Innsbruck, Austria)

Discussion 15:42
Scientific Programme

Thematic Session
14:15 - 15:45

An update on outcomes after major surgery

POIC/HSRO

#periop#outcomes

Chair: Andreas Valentin (Schwarzach, Austria)
Chair: Michael Sander (Giessen, Germany)

What are relevant postoperative outcomes? 14:15
Speaker: Ib Jammer (Bergen, Norway)

Discussion 14:30

Outcomes after major GI surgery 14:33
Speaker: Manu Malbrain (Antwerp, Belgium)

Discussion 14:48

Outcomes after cardiovascular surgery 14:51
Speaker: Michael Hiesmayr (Vienna, Austria)

Discussion 15:06

Outcomes after major surgery for cancer 15:09
Speaker: Rupert Pearse (London, United Kingdom)

Discussion 15:24

Postoperative delirium, different from ICU delirium? 15:27
Speaker: Claudia Spies (Berlin, Germany)

Discussion 15:42

Joint Session
14:15 - 15:45

Joint with ESA - NIV in hypoxemic patients: Should I stay or should I go?

#lung

Chair: Cesare Gregoretti (Palermo, Italy)
Chair: Arnaud Thille (Poitiers, France)
Twitter Chair: Jamie Strachan (Oxford, United Kingdom)

NIV, tidal volume and transpulmonary pressure 14:15
Speaker: Paolo Pelosi (Genova, Italy)

Discussion 14:30

NIV in immunocompromised patients: A never-ending story 14:33
Speaker: Jean-Michel Constantin (Clermont-Ferrand, France)

Discussion 14:48
Scientific Programme

Did LUNG SAFE kill NIV in hypoxemic patients? 14:51
Speaker: Giacomo Bellani (Monza, Italy)

Discussion 15:06

HFNC: The magic bullet? 15:09
Speaker: Arnaud Thille (Poitiers, France)

Discussion 15:24

NIV and HFNC in operatory room: An useful tool 15:27
Speaker: Samir Jaber (Montpellier, France)

Discussion 15:42

State of the Art Session
14:15 - 15:45

RRT: All you want to know

#renal

Chair: Wilfred Druml (Vienna, Austria)
Chair: Stéphane Gaudry (Colombes, France)

CRRT: Who, what, how? 14:15
Speaker: Marlies Ostermann (London, United Kingdom)

Discussion 14:30

Hybrid or intermittent: Who, what, how? 14:33
Speaker: Claudio Ronco (Vicenza, Italy)

Discussion 14:48

Catheters: What and where 14:51
Speaker: Thomas Rimmelé (Lyon, France)

Discussion 15:06

Anticoagulation: Tips and tricks 15:09
Speaker: Michael Joannidis (Innsbruck, Austria)

Discussion 15:24

When do you stop RRT? 15:27
Speaker: Michael Darmon (Saint-Etienne, France)

Discussion 15:42
**Scientific Programme**

Continuous Professional Education Session  
14:15 - 15:45

**Neurological dysfunction in the ICU**

#neuro

Chair: Mauro Oddo (Lausanne, Switzerland)  
Chair: Giuseppe Citerio (Monza, Italy)

**In septic patients**  
Speaker: Romain Sonneville (Paris, France)  
Discussion  
14:15

**In the patient with heart disease**  
Speaker: Lara Prisco (Oxford, United Kingdom)  
Discussion  
14:33

**Delirium**  
Speaker: Bettina Pfausler (Innsbruck, Austria)  
Discussion  
14:51

**In ECMO patients**  
Speaker: Bruno Mégarbane (Paris, France)  
Discussion  
15:24

**Can neuromonitoring help?**  
Speaker: Janneke Horn (Amsterdam, Netherlands)  
Discussion  
15:42

Continuous Professional Education Session  
14:15 - 15:45

**Challenges in the ICU for severe trauma patients**

#trauma

Chair: Luke Leenen (Utrecht, Netherlands)  
Chair: Kjetil Sunde (Oslo, Norway)

**Cardiac contusion**  
Speaker: David Lockey (Bristol, United Kingdom)  
Discussion  
14:15

**Pulmonary complications**  
Speaker: Diederik Gommers (Rotterdam, Netherlands)  
Discussion  
14:33

**Acute kidney injury**  
Speaker: Sigrid Beitland (Oslo, Norway)  
Discussion  
14:51
**Scientific Programme**

**Compartment syndromes**
Speaker: Luke Leenen (Utrecht, Netherlands)  15:09

**Discussion**  15:24

**Thromboembolic events**
Speaker: Sigrid Beitland (Oslo, Norway)  15:27

**Discussion**  15:42

State of the Art Session
14:15 - 15:45  Milan

**Post ICU follow-up: What are we doing wrong?**
HSRO/NAHP
#outcomes

Chair: Bertrand Guidet (Paris, France)
Chair: Carole Boulanger (Exeter, United Kingdom)

**Evidence from psychological rehabilitation**  14:15
Speaker: Anne-Sophie Debue (Paris, France)

**Discussion**  14:30

**Do we measure the right things?**  14:33
Speaker: Timothy Walsh (Edinburgh, United Kingdom)

**Discussion**  14:48

**What can we do differently in the ICU?**  14:51
Speaker: Thomas Strøm (Odense, Denmark)

**Discussion**  15:06

**Thinking outside the box**  15:09
Speaker: Christina Jones (Liverpool, United Kingdom)

**Discussion**  15:24

**Evidence from physical rehabilitation**  15:27
Speaker: David McWilliams (Birmingham, United Kingdom)

**Discussion**  15:42

Thematic Session
14:15 - 15:45  Geneva

**Rehabilitation - The new & old!**
#ESICMNAHP

Chair: Ruth Endacott (Plymouth, United Kingdom)
Chair: Zudin A. Puthucheary (London, United Kingdom)
Scientific Programme

Enhancing rehabilitation: What we can do?  
Speaker: David McWilliams (Birmingham, United Kingdom)  
Discussion  
14:15  

Psychological interventions to aid recovery!  
Speaker: Maureen Ben-Nun (Petah Tikva, Israel)  
Discussion  
14:30  

Friends & family: Help or obstruction?  
Speaker: Mireia Llaurado Serra (Tarragona, Spain)  
Discussion  
14:33  

Mobilisation: What you need to know  
Speaker: Dani Martí Romeu (Barcelona, Spain)  
Discussion  
14:48  

HAI: What can we learn from past mistakes?  
Speaker: Stijn Blot (Ghent, Belgium)  
Discussion  
14:51  

Severe ARDS: High PEEP, ECMO, both or none?  
#lung  
Chair: John Laffey (Toronto, Canada)

Debate  
Speaker: Claude Guérin (Lyon, France)  
Speaker: Luciano Gattinoni (Milan, Italy)  
Speaker: Marcelo Amato (Sao Paulo, Brazil)  
14:15  

Young Lecturer Award  
#ESICMNEXT  
Chair: Frauke Weidanz (Edinburgh, United Kingdom)  
Chair: Manuel Mendoza Ruano (Las Palmas de Gran Canaria, Spain)  
Chair: Bernardo Bollen Pinto (Geneva, Switzerland)  
Chair: Frantisek Duska (Prague, Czech Republic)  
Chair: Christian Sitzwohl (Vienna, Austria)
Let’s talk tech: What new technology do we need in haemodynamics?
#tech

Chair: Maurizio Cecconi (London, United Kingdom)
Twitter Chair: Matthew J. Rowland (Oxford, United Kingdom)

Live debate
Speaker: Michael Pinsky (Pittsburgh, United States)
Speaker: Pierre Squara (Neuilly-sur-Seine, France)
Speaker: Max Jonas (Southampton, United Kingdom)

Prioritising patients: Equity vs. equality?
#ethic

Chair: Jozef Kesecioglu (Utrecht, Netherlands)

Debate
Speaker: Armand Girbes (Amsterdam, Netherlands)
Speaker: Doug White (Pittsburgh, United States)
Speaker: Barbara Philips (London, United Kingdom)

Clinical trials in intensive care
#LIVES2017

Chair: Elie Azoulay (Paris, France)
Chair: Lui Forni (Surrey, United Kingdom)
Twitter Chair: Matthew J. Rowland (Oxford, United Kingdom)

Reconnection to mechanical ventilation for one hour after a successful spontaneous breathing trial reduces reintubation in critically ill patients: A multicenter randomised controlled trial
Speaker: Maria del Mar Fernandez (Barcelona, Spain)
Comments
Speaker: Jordi Mancebo Cortes (Montreal, Canada)
Discussion

Early goal-directed nutrition versus standard of care in adult intensive care patients: The single-centre, randomised, outcome assessor-blinded EAT-ICU trial
Speaker: Anders Perner (Copenhagen, Denmark)
Comments
Speaker: Jean-Charles Preiser (Brussels, Belgium)
Scientific Programme

Discussion 16:31
Randomised, multi-center trial of lateral-trendelenburg versus semi-recumbent body position for the prevention of ventilator-associated pneumonia
Speaker: Gianluigi Li Bassi (Barcelona, Spain)

Discussion 16:48
Early application of airway pressure release ventilation may reduce the duration of mechanical ventilation in acute respiratory distress syndrome
Speaker: Yan Kang (Chengdu, China)

Discussion 17:05
Terminal weaning or immediate extubation for withdrawing mechanical ventilation in critically ill patients (the ARREVE Observational Study)
Speaker: Jean Reignier (Nantes, France)

Discussion 17:39
Biomarker-based strategy for early discontinuation of empirical antifungal treatment in critically ill patients: A randomised controlled trial
Speaker: Saad Nseir (Lille, France)

Discussion 17:56
Pooled analysis of higher vs lower blood pressure targets for vasopressors
Speaker: François Lamontagne (Sherbrooke, Canada)

Thematic Session
16:00 - 18:00
Extracorporeal respiratory support
17:42
Speaker: João Reis (Porto, Portugal)

Chair: Alain COMBES (Paris, France)
Chair: Michael Quintel (Göttingen, Germany)
30th Annual Congress of the European Society of Intensive Care Medicine,  
23 - 27 September 2017,  
Vienna, Austria

Scientific Programme

The role of ECMO in severe hypoxaemia 16:00
Speaker: Richard Beale (London, United Kingdom)

Discussion 16:15

Why ECCO2R might improve the outcomes of ARDS patients 16:20
Speaker: Salvatore Maggiore (Chieti, Italy)

Discussion 16:35

Low flow CO2 removal: Challenges and solutions 16:40
Speaker: Marco Ranieri (Rome, Italy)

Discussion 16:55

Setting the ventilator during ECMO 17:00
Speaker: Jordi Mancebo Cortes (Montreal, Canada)

Discussion 17:15

Is ECMO an adequate tool to control respiratory drive? 17:20
Speaker: Antonio Pesenti (Milan, Italy)

Discussion 17:35

Extracorporeal respiratory support: Some words of caution... 17:40
Speaker: Arthur Slutsky (Toronto, Canada)

Discussion 17:55

State of the Art Session
16:00 - 18:00

Joint with ERC - TTM after cardiac arrest in 2017

TEM/NIC

#trauma#neuro

Chair: Kjetil Sunde (Oslo, Norway)
Chair: Jerry Nolan (Bath, United Kingdom)
Twitter Chair: Stephen Shepherd (London, United Kingdom)

Where do we stand? 16:00
Speaker: Jerry Nolan (Bath, United Kingdom)

Discussion 16:15

Limitations in translational medicine 16:20
Speaker: Kjetil Sunde (Oslo, Norway)

Discussion 16:35

Optimal timing and duration 16:40
Speaker: Fabio Silvio Taccone (Brussels, Belgium)

Discussion 16:55
Scientific Programme

**Cooling methods - Does it matter?**
Speaker: Mauro Oddo (Lausanne, Switzerland) 17:00

**Discussion** 17:15

**A RCT with TTM vs fever control is needed**
Speaker: Hans Friberg (Lund, Sweden) 17:20

**Discussion** 17:35

**Pragmatic RCTs in heterogenic patients is not the solution**
Speaker: Jean-Louis Vincent (Brussels, Belgium) 17:40

**Discussion** 17:55

State of the Art Session
16:00 - 18:00 Athens

**Sepsis, the controversy**

#sepsis

Chair: Ricard Ferrer Roca (Barcelona, Spain)
Chair: Brian Kavanagh (Toronto, Canada)

**Protocolised vs. Individualised therapy**
Speaker: Claude Martin (Marseille, France) 16:00

**Discussion** 16:15

**Steroids for all or some?**
Speaker: Djillali Annane (Garches, France) 16:20

**Discussion** 16:35

**Albumin replacement, yes or no?**
Speaker: Luciano Gattinoni (Milan, Italy) 16:40

**Discussion** 16:55

**Fluid replacement, wet or dry?**
Speaker: Anders Perner (Copenhagen, Denmark) 17:00

**Discussion** 17:15

**EGDT, take it or leave it?**
Speaker: Derek Angus (Pittsburgh, United States) 17:20

**Discussion** 17:35

**Red cell transfusion triggers, a third option?**
Speaker: Yasser Sakr (Jena, Germany) 17:40

**Discussion** 17:55
Scientific Programme

Joint Session
16:00 - 18:00

Joint with SCCM - Intensive Care Medicine: Together for worldwide priorities

#LIVES2017

Chair: Ruth Kleinpell (Chicago, United States)
Chair: Massimo Antonelli (Rome, Italy)
Twitter Chair: Olusegun Oladele Olusanya (Aylesbury, United Kingdom)

Tackling sepsis in limited resource settings
Speaker: Flavia R. Machado (São Paulo, Brazil)

Discussion

WHO: Maternal and neonatal sepsis, we need to get it right
Speaker: Joao Paulo Dias De Souza (Geneva, Switzerland)

Discussion

Gender diversity in Intensive Care
Speaker: Sangeeta Mehta (Toronto, Canada)

Discussion

The quality improvement agenda of SSC for the next 10 years
Speaker: Andrew Rhodes (London, United Kingdom)

Discussion

Research priorities
Speaker: Mitchell Levy (Providence, United States)

Discussion

Planning workforce and capacity for the next 20 years
Speaker: Rui Paulo Moreno (Lisbon, Portugal)

Discussion

Continuous Professional Education Session
16:00 - 18:00

Arterial blood pressure: All you need to know

Chair: Thomas Scheeren (Groningen, Netherlands)
Chair: Armand Mekontso Dessap (Créteil, France)

Applied physiology of arterial pressure
Speaker: Olfa Hamzaoui (Clamart, France)

Discussion

Meaning and practical use of diastolic arterial pressure
Speaker: Bernard Cholley (Paris, France)
Scientific Programme

Discussion 16:35
Meaning and practical use of mean arterial pressure 16:40
Speaker: Jean-Louis Teboul (Kremlin-Bicetre, France)
Discussion 16:55
Meaning and practical use of pulse pressure 17:00
Speaker: Paul Marik (Virginia, United States)
Discussion 17:15
Non-invasive arterial pressure monitoring 17:20
Speaker: Bernd Saugel (Hamburg, Germany)
Discussion 17:35
Bedside estimation of arterial load 17:40
Speaker: Ignacio Monge Garcia (Jerez de la Frontera, Spain)
Discussion 17:55

Continuous Professional Education Session
16:00 - 18:00 Lisbon

Bedside imaging of respiratory function
#lung
Chair: Lise Piquilloud (Lausanne, Switzerland)
Chair: Claude Guérin (Lyon, France)
PEEP setting: Lessons learned from Computed Tomography 16:00
Speaker: Klaus Markstaller (Vienna, Austria)
Discussion 16:15
Ultrasound to monitor lung aeration, collapse and decollapse 16:20
Speaker: Laurent Papazian (Marseille, France)
Discussion 16:35
Differentiating causes for respiratory failure by ultrasound 16:40
Speaker: Adrian Wong (Oxford, United Kingdom)
Discussion 16:55
Monitoring dyaphragmatic (dis)function by ultrasound 17:00
Speaker: Laurent Brochard (Toronto, Canada)
Discussion 17:15
Recruitment and PEEP setting guided by EIT 17:20
Speaker: Giacomo Bellani (Monza, Italy)
Discussion 17:35
Scientific Programme

Can we (and do we want to) monitor regional perfusion?  17:40
Speaker: Marcelo Amato (Sao Paulo, Brazil)
Discussion  17:55

State of the Art Session
16:00 - 18:00  Milan

Multidrug resistance: Gaining the edge
#micro
Chair: Céline Pulcini (Nancy, France)
Chair: Christina Jones (Liverpool, United Kingdom)

Is MDR a real threat?  16:00
Speaker: Céline Pulcini (Nancy, France)
Discussion  16:15

Resistance mechanisms: A practical guide for the intensivist  16:20
Speaker: Olaf Cremer (Utrecht, Netherlands)
Discussion  16:35

MDR in respiratory infections  16:40
Speaker: Antoni Torres (Barcelona, Spain)
Discussion  16:55

Critical issues in infection control  17:00
Speaker: Tony Whitehouse (Birmingham, United Kingdom)
Discussion  17:15

New antibiotics for MDR infection: What is their role?  17:20
Speaker: Matteo Bassetti (Udine, Italy)
Discussion  17:35

Using PKPD to treat MDR pathogens  17:40
Speaker: Jason Roberts (Brisbane, Australia)
Discussion  17:55

Thematic Session
16:00 - 18:00  Geneva

Sepsis around the World
#sepsis
Chair: Konrad Reinhart (Jena, Germany)
Chair: Katie Lane (London, United Kingdom)
Scientific Programme

**Cholera: Again and again**  
Speaker: Charles Gomersall (Shatin, Hong Kong, China)  
16:00

**Travel acquired antibiotic resistance: When guidelines fail**  
Speaker: Jeffrey Lipman (Brisbane, Australia)  
16:15

**Viral pneumonia**  
Speaker: Massimo Girardis (Modena, Italy)  
16:20

**Vector borne febrile illnesses are no longer confined to the tropics**  
Speaker: Martin Dünser (London, United Kingdom)  
16:35

**Epidemics Western countries don't remember but still exist**  
Speaker: Charles Gomersall (Shatin, Hong Kong, China)  
16:40

**Inequalities in sepsis treatment around the world**  
Speaker: Flavia R. Machado (São Paulo, Brazil)  
16:45

**Bioenergetic failure in sepsis: The role of mitochondria**  
Speaker: Peter Radermacher (Ulm, Germany)  
Speaker: Can Ince (Amsterdam, Netherlands)  
16:00

**Weaning from mechanical ventilation**

**Debate**

*#ESICMNEXT*

Chair: Bernardo Bollen Pinto (Geneva, Switzerland)

**NEXT Lounge**

16:00 - 17:00

**Poster Corner**

16:00 - 17:50

**Weaning from mechanical ventilation**

*#lung*

Chair: Diederik Gommers (Rotterdam, Netherlands)  
Chair: Giuseppe Foti (Monza, Italy)
Low central venous oxygen saturation before a spontaneous breathing trial predicts weaning failure
Abstract Presenter: Emilio Daniel Valenzuela Espinoza (Buenos Aires, Argentina)

Evolution of diaphragm activity during spontaneous breathing trials
Abstract Presenter: Sivaporn Hemvimon (Bangkok, Thailand)

Impact of sleep quality on duration of weaning from mechanical ventilation
Abstract Presenter: Arnaud Thille (Poitiers, France)

Predicting spontaneous breathing trial and extubation success: role of arterial blood samples
Abstract Presenter: Irene Paredes Borrachero (Toledo, Spain)

Manual ASV vs INTELLiVENT-ASV for the patients after cardiac surgery - are automated ventilators better for the patients?
Abstract Presenter: Tadahiro Kôbayashi (Yamagata, Japan)

Predictors for early weaning failure from mechanical ventilation in critically ill surgical patients
Abstract Presenter: Yun Tae Jung (Seoul, Korea, Republic of)

Respiratory measurement of volume change using Expiron® during spontaneous breathing trials in ICU
Abstract Presenter: Hye-Bin Kim (Seoul, Korea, Republic of)

Factors associated with delayed weaning from mechanical ventilation in patients after cardiac surgery
Abstract Presenter: Christina Routsi (Athens, Greece)

Prognostic factors and outcomes of unplanned extubation
Abstract Presenter: Chin-Ming Chen (Tainan, Taiwan, Province of China)

Comparison of four ventilation modes for weaning mechanical ventilation
Abstract Presenter: Marcos Amezcu-Gutiérez (México City, Mexico)

Anxiety and dyspnea measured before, during and after tracheostomy mask weaning trials
Abstract Presenter: Louise Rose (Toronto, Canada)

Poster Corner
16:00 - 17:50

Medical emergency teams

Chair: Francesca Rubulotta (London, United Kingdom)
Chair: Laura Galarza (Castellon, Spain)

Quick alert score using simple parameters for screening high risk patients in the general ward
Abstract Presenter: Hwa-Jung Kim (Seoul, Korea, Republic of)

ICU’s rapid response team patients triaged to remain on ward despite positive activation criteria - should the 'ICU without walls' be further expanded?
Abstract Presenter: Joonas Tirkkonen (Seinäjoki, Finland)
Scientific Programme

Arterial blood gas analysis during ICU’s rapid response team review - do we need it, we have vital signs!
Abstract Presenter: Joonas Tirkkonen (Seinäjoki, Finland)

Medical emergency team - is afferent limb (METal) working?
Abstract Presenter: André Correia (Faro, Portugal)

The impact of introducing the early warning scoring system and protocol on clinical outcomes in tertiary referral university hospital
Abstract Presenter: Yuda Sutherasan (Genoa, Italy)

Epidemiology and clinical characteristics of rapid response team activations
Abstract Presenter: Sei Won Kim (Daejeon, Korea, Republic of)

The effectiveness of intra-hospital transportation of critically ill patients by the rapid response team
Abstract Presenter: Won Gun Kwack (Seongnam, Korea, Republic of)

Risk factors for cardiopulmonary arrest during the intra-hospital transport of critically ill patients with rapid response team
Abstract Presenter: Hyun Ju Min (Seongnam, Korea, Republic of)

Non-teaching hospital rapid response team’s effectiveness - 5 years’ data
Abstract Presenter: Joana Azevedo (Setúbal, Portugal)

Rapid response team: what is the best team for the medical care? Comparative study of patient care by the intensivist physician and the emergency physician in a tertiary hospital in Guarulhos - São Paulo, Brazil
Abstract Presenter: Alessandra Bonatto (Guarulhos, Brazil)

In hospital medical emergency team activation - a single center review
Abstract Presenter: Rui Assis (Abrantes, Portugal)

Use of modified early warning score (MEWS) in patients admitted to the intensive care unit from the ward
Abstract Presenter: André Ribeiro (Santos, Brazil)

Non-teaching hospital’s rapid response team’s performance in cardiac arrest - 5 years’ data
Abstract Presenter: Silvia Sáo João (Setúbal, Portugal)

Non-teaching hospital rapid response team’s casuistic - 5 years’ data
Abstract Presenter: Silvia Sáo João (Setúbal, Portugal)

The National Early Warning Score (NEWS) for outcome prediction in medical patients in emergency department with medical criteria of admission in medical ward: a pilot study
Abstract Presenter: Jessica Ruiz Izquierdo (Terrassa, Spain)

Poster Corner
16:00 - 17:50

Outcome 2

#outcomes

Chair: Margaret Herridge (Toronto, Canada)
Chair: Dylan de Lange (Utrecht, Netherlands)
Perceptions of escalating organ support and prolonged intensive care admission amongst non-intensivists: the elephant in the room?
Abstract Presenter: Jamie Gross (London, United Kingdom)

The gap between expectation and reality - survey among medical laypersons on critical care topics
Abstract Presenter: Marcia Lew (Graz, Austria)

Relationship between mortality and number of total lymphocytes and lymphocyte sub-populations in ICU patients at admission
Abstract Presenter: Maria Dolores Arias-Verdú (Malaga, Spain)

Long-term outcome in ICU patients treated with renal replacement therapy - a 2 yr follow up study in Ireland: the impact of pre-existing CKD on survival and renal function
Abstract Presenter: Gerard Fitzpatrick (Dublin, Ireland)

High rate of postoperative complications after ICU discharge in patients with free flap reconstruction due to cancer of the head and neck
Abstract Presenter: Sanna Lahtinen (Oulu, Finland)

Description of predictive model of hospital mortality after intensive care unit discharge
Abstract Presenter: Rosa Vela-Colmenero (Jaen, Spain)

Factors associated with outcomes in patients with prolonged ICU length of stay
Abstract Presenter: Juan Carlos Lopez Delgado (L'Hospitalet de Llobregat, Spain)

Long-term outcome according to the occurrence of in-hospital cardiovascular events after liver transplantation
Abstract Presenter: Niels Scholte (Rotterdam, Netherlands)

Characteristics of patients and predictor factors of mortality after ICU discharge. One year survey
Abstract Presenter: Mohamed Boussarsar (Sousse, Tunisia)

Characteristics and outcome of patients admitted to the intensive care unit with a decompensation of obstructive sleep apnea-Hypopnea syndrome requiring mechanical ventilation
Abstract Presenter: Daniela García Huertas (Granada, Spain)

30 days' post ICU mortality in a Tunisian medical intensive care unit (ICU)
Abstract Presenter: Mohamed Boussarsar (Sousse, Tunisia)

Survival determinants in patients with ICU-tracheostomy
Abstract Presenter: Volkan Inal (Edirne, Turkey)

Correlation of gastric residual volume and illness severity based on modified sequential organ failure assessment in critically ill patients
Abstract Presenter: Dita Aditianingsih (Jakarta, Indonesia)
**Poster Corner**

16:00 - 17:50

**Prognostication 2**

#outcomes

Chair: Despoina Koulenti (Brisbane, Australia)
Chair: Gennaro De Pascale (Rome, Italy)

- **An audit of the total parenteral nutrition branch of the magnificent seven care bundle created by the intensive care operational delivery network in the East of England - are we practicing what we preach?**
  By Dr Alice Webb
  Abstract Presenter: Alice Webb (Colchester, United Kingdom)

- **The use of Delta neutrophil index for predicting infectious mortality in critically ill surgical patients with Acinetobacter baumannii pneumonia: a case-control study**
  Abstract Presenter: Kwangmin Kim (Wonju, Korea, Republic of)

- **Treatment intensity may not predict prognosis for patients admitted in ICU with relapsed acute myeloid leukemia**
  Abstract Presenter: Max Guillot (Strasbourg, France)

- **Could central venous pressure predict mortality in severely ill septic patients? A pilot study**
  Abstract Presenter: Islam Rasmy (Cairo, Egypt)

- **Evaluation of the feasibility and performance existing Early Warning Systems to identify patients at risk for adverse outcomes in low-middle income country setting**
  Abstract Presenter: Abigail Beane (London, United Kingdom)

- **Utility of the SOFA score to predict the hospital mortality after intensive care unit discharge**
  Abstract Presenter: Rosa Vela-Colmenero (Jaen, Spain)

- **Evaluation of prognostic scoring systems in patients with cirrhosis admitted to an intensive care unit**
  Abstract Presenter: Marta Rebelo (Lisbon, Portugal)

- **Simplifying cardiac surgery risk assessment**
  Abstract Presenter: Meisy Pérez Cheng (Salamanca, Spain)

- **Performance of prognostic severity scores in patients with community acquired pneumonia admitted to ICU**
  Abstract Presenter: Won Jai Jung (Seoul, Korea, Republic of)

- **Hypocalcaemia is an important indicator of severity in critical**
  Abstract Presenter: Qin Zhang (Shanghai, China)

- **Severity scoring systems are less valid in patients with long ICU stay**
  Abstract Presenter: Hanan Mostafa (Cairo, Egypt)

- **Scores to predict liver graft dysfunction. Which is the best?**
  Abstract Presenter: Maria Dolores Arias-Verdú (Malaga, Spain)

- **Usefulness of quick sepsis-related organ failure assesment to predict severity in influenza A H1N1v pneumonia patients**
  Abstract Presenter: Angel Estella (Jerez de la Frontera, Spain)

- **Venoarterial difference of carbon dioxide as positive predictor of mortality in patients with septic shock in comparison with other approaches**
  Abstract Presenter: Graciela Merinos-Sánchez (México City, Mexico)
Scientific Programme

Hepatitis C virus infection impact on post acute myocardial infarction mortality-a 12-year data
Abstract Presenter: Shu-Hung Kuo (Kaohsiung City, Taiwan, Province of China)

Poster Corner
16:00 - 17:50

Spotlight on N&AHP practice
#ESICMNAHP

Chair: Jos Latour (Plymouth, United Kingdom)
Chair: Burcin Halacli (Ankara, Turkey)

Impact of a dedicated nurse led intravenous therapy team on catheter associated blood stream infection rates across a hospital organisation
Abstract Presenter: Shameer Gopal (Wolverhampton, United Kingdom)

Experience of ‘parallel communications' training, a novel communication skills workshop, in 50 critical care nurses in a UK Hospital
Abstract Presenter: Sian Brown (London, United Kingdom)

National Study exploring inter-professional shared clinical decision regarding fluid resuscitation
Abstract Presenter: Julie Benbenishty (Jerusalem, Israel)

Pre-operative mobility is an important predictor for determining intensive care unit admission following lung volume reduction surgery
Speaker: Joanna Arnold (London, United Kingdom)

An observational study of light intensity in critical care
Abstract Presenter: Ruairi Greer (Manchester, United Kingdom)

Translation and preliminary validation of the Self-Competence in Death Work Scale in Spanish nurses
Abstract Presenter: Olga Valles Fructuoso (Hospitalet de Llobregat, Spain)

The presence, severity and duration of multiple organ dysfunction syndrome in trauma
Abstract Presenter: Helen Farrah (London, United Kingdom)

The impact of nursing rounds on the practice environment and nurse satisfaction in neuroscience intensive care unit
Abstract Presenter: Chunguang Gu (Singapore, Singapore)

Critically ill patient safety in a simulated area: nursing students
Abstract Presenter: Mireia Llaurado Serra (Tarragona, Spain)

Nurse led early and progressive mobilization in ICU
Abstract Presenter: Alessandra Negro (Milan, Italy)

A retrospective observational study of the compliance of patient pain, agitation and delirium assessment in a general intensive care unit
Abstract Presenter: Joel Cardoso Pereira (London, United Kingdom)

Implementation of the ICU diaries in the Italian contest
Abstract Presenter: Alessandra Negro (Milan, Italy)
Incidence and prognostic factors for central venous catheter thrombosis in critically ill pediatric patients  
Abstract Presenter: Pamela Zuñiga (Santiago, Chile)

Picking up the Pieces - Qualitative evaluation of follow-up consultations with patients post intensive care treatment  
Abstract Presenter: Anne Glæemose (Aalborg, Denmark)

Poster Corner
16:00 - 17:50

Challenges in neurointensive care

#neuro

Chair: Claude Hemphill (San Francisco, United States)  
Chair: Raimund Helbok (Innsbruck, Austria)

Impact of CT scan utilization on surgical management and outcome in patients with severe traumatic brain injury at a tertiary care referral hospital in Tanzania  
Abstract Presenter: Hanna Schenck (Maastricht, Netherlands)

Cerebral blood flow dynamics during the acute course after severe subarachnoid hemorrhage studied by bedside Xenon-enhanced CT  
Abstract Presenter: Henrik Engquist (Uppsala, Sweden)

One year mortality after intravenous fibrinolysis for acute ischemic stroke  
Abstract Presenter: Rui Assis (Abrantes, Portugal)

The intensive care unit experience after the implementation of a stroke system of care in the autonomous community of Madrid (SPAIN)  
Abstract Presenter: Nuria Martinez Sanz (Madrid, Spain)

External ventricular drain-related infections in neurocritical care patients: a retrospective cohort study  
Abstract Presenter: Mariel Rojas-Lora (L’Hospitalet de Llobregat, Spain)

Relationship between postoperative blood pressure lability and delirium in neurosurgical patients  
Abstract Presenter: Rafael Badenes (Valencia, Spain)

Diffuse axonal injury, epidemiology and functional prognosis in short and medium term  
Abstract Presenter: Alberto Touceda (Vigo, Spain)

Non-convulsive status epilepticus: an under-recognised cause of coma  
Abstract Presenter: Paula Matia Almudévar (Madrid, Spain)

Experience in management of status epilepticus in an intensive care unit (Medical ICU) in a secondary-level university hospital  
Abstract Presenter: Esther Moreno Lopez (Ferrol, Spain)

Development and validation of the abbreviated cognitive failure questionnaire in intensive care unit patients: a multi center cohort study  
Abstract Presenter: Annelies Wassenaar (Nijmegen, Netherlands)
Intracortical electroencephalography monitoring in comatose patients with acute brain injury
Abstract Presenter: Miguel Hernández-Hernández (Santander, Spain)

Cerebral autoregulation during targeted temperature management in cardiac arrest patients
Abstract Presenter: Ilaria Alice Crippa (Bruxelles, Belgium)

Apnea test completion failure determinants in suspected brain dead children
Abstract Presenter: Eleni Volakli (Thessaloniki, Greece)

Cerebral perfusion scintigraphy study for brain death diagnosis - 10 years case series
Abstract Presenter: Emilia Trigo (Coimbra, Portugal)

Predictors of organ donation among patients with brain death in ICU
Abstract Presenter: Itamar Porto (Cascavel, Brazil)

Markers of sepsis and organ dysfunction

Determinations of 1,3 beta D Glucan in the peritoneal fluid for the early diagnosis of fungal peritonitis: a pilot study
Abstract Presenter: Emmanuel Novy (Nancy, France)

Presepsin usefulness in intensive care unit
Abstract Presenter: Sara Miori (Verona, Italy)

Baseline angiotensin levels and ACE effects in patients with vasodilatory shock treated with angiotensin II
Abstract Presenter: Richard Wunderink (Chicago, United States)

Significance of stratified values of serum troponin on in-hospital mortality in patients with sepsis or septic shock
Abstract Presenter: Drayton Hammond (Little Rock, United States)

Biomarkers and sepsis after cardiac surgery: C-reactive protein kinetics, is it reliable?
Abstract Presenter: Cristina Santonocito (Oxford, United Kingdom)

Predictive utilities of neutrophil gelatinase-associated lipocalin (NGAL) in severe sepsis
Abstract Presenter: Wei Chang (Nanjing, China)

Neuroinflammatory markers for infectious delirium in cerebrospinal fluid
Abstract Presenter: Annemieke Peters van Ton (Nijmegen, Netherlands)

Pro-BNP, inflammatory cascade and organ dysfunction in sepsis
Abstract Presenter: Rebeca Hernandez-Vaquero (Santiago de Compostela, Spain)
Scientific Programme

Evaluation of body fluid biomarkers for neuroaxonal injury in cerebrospinal fluid and plasma for diagnosis, monitoring and prognostication in patients with sepsis-associated encephalopathy  
Abstract Presenter: Johannes Ehler (Rostock, Germany)

Diagnostic value of procalcitonin and presepsin as a prognostic marker for infectious complications in liver transplant recipients  
Abstract Presenter: Maksim Katsin (Minsk, Belarus)

Specific neurobiomarkers NSE and S100beta are increased in patients with septic shock  
Abstract Presenter: Kristo Erikson (Oulu, Finland)

A real life, in hospital, pilot study to evaluate changes in inflammatory markers & hemodynamic parameters after Extracorporeal Cytokine Adsorption Device (ECAD) therapy along with Standard Of Care (SOC) in patients of sepsis and or septic shock as per Ronco’s peak concentration hypothesis  
Abstract Presenter: Prashant Sakhavalkar (Pune, India)

Do Procalcitonin, CRP and WBC measure the same thing in septic critically ill?  
Abstract Presenter: Alberto Corona (Milan, Italy)

Leukocyte antisedimentation rate (LAR) as a sign of developing sepsis in burns  
Abstract Presenter: Csaba Loibl (Pécs, Hungary)

Procalcitonin to predict the onset of septic shock and guide antibiotic therapy  
Abstract Presenter: Alberto Corona (Milan, Italy)

Poster Corner
16:00 - 17:50

Infection and immunomodulation

#sepsis
Chair: Jean Chastre (Paris, France)  
Chair: Peter Schellongowski (Vienna, Austria)

Protective effects of interleukin-33 in critically ill patients  
Abstract Presenter: Stefan Stojkovic (Vienna, Austria)

Mortality associated to high mean platelet volume and other inflammation markers in critical patients  
Abstract Presenter: Alejandro Montaño Jimenez (Ciudad de Mexico, Mexico)

Population pharmacokinetics of continuous infusion piperacillin in critically ill patients  
Abstract Presenter: Sofie Dhaese (Ghent, Belgium)

Adequate use of antibiotics in the Intensive Care Unit of a regional hospital  
Abstract Presenter: Alejandro Ubeda (Algeciras, Spain)

Control strategies for an Acinetobacter Baumannii outbreak on a multidisciplinary icu during “zero resistance project”  
Abstract Presenter: Oihane Badallo Arevalo (Burgos, Spain)

Outcomes of patients with severe influenza infection admitted to an intensive care unit  
Abstract Presenter: Chin-Ming Chen (Tainan, Taiwan, Province of China)
Carbapenem regimen for empirical therapy of community-acquired infections requiring intensive care unit admission
Abstract Presenter: Sergio Rebollo Acebes (Cartagena, Spain)

Does colistin have a role in the empirical therapy in severe sepsis/septic shock in critical care units where multi-drug-resistant Acinetobacter baumannii is endemic?
Abstract Presenter: Ilhan Bahar (Izmir, Turkey)

Frequency of identification and results of treatment of patients with Pseudomonas aeruginosa (P.aeruginosa) in a Russian cancer research center in 2011-2014
Abstract Presenter: Olga Obukhova (Moscow, Russian Federation)

High variability of Css concentrations of meropenem in critically ill patients
Abstract Presenter: Mar Miralbés Torner (Lleida, Spain)

Linear regression model to predict piperacillin-tazobactam steady-state concentrations in critically ill patients
Abstract Presenter: Mar Miralbés Torner (Lleida, Spain)

Impact of carbapenem use on procalcitonin clearance in septic patients and its correlation with outcomes
Abstract Presenter: Roberto Jiménez Sánchez (Cartagena, Spain)

N&AHP abstract awards and networking
#ESICMNAHP
Chair: Carole Boulanger (Exeter, United Kingdom)

Introduction & welcome
Speaker: Carole Boulanger (Exeter, United Kingdom) 16:45

Round up of N&AHP activity
Speaker: Carole Boulanger (Exeter, United Kingdom) 16:55

ESICM N&AHP award 2018
Abstract Presenter: Alessandro Galazzi (Milan, Italy)
Abstract Presenter: Filippo Binda (Milan, Italy) 17:05

Free registration award for LIVES 2018
Abstract Presenter: Eva Laerkner (Odense C, Denmark) 17:10

Free registration award for LiVES 2018
Abstract Presenter: Tammy Lea (Birmingham, United Kingdom) 17:15

Presentation of certificates for winners 17:20

Networking 17:30
Scientific Programme

LIVES Interactive Debates
16:45 - 17:45

The sickest patients should go to a specialised centre

#ethic

Chair: Richard Beale (London, United Kingdom)

Debate

Speaker: Daniel De Backer (Braine L'Alleud, Belgium)
Speaker: Christina Agvald-Öhman (Stockholm, Sweden)
Speaker: Rik Gerritsen (Leeuwarden, Netherlands)

General Assembly
18:15 - 19:30

General Assembly

NB: All ESICM membership fees must be paid in 2017 in order to attend and vote.

A welcome cocktail will be served next to room Paris at 17:30.

Welcome / Introduction
Speaker: Massimo Antonelli (Rome, Italy)

Division of Administrative Affairs Secretary Treasurer
Speaker: Armand Girbes (Amsterdam, Netherlands)
Speaker: Carl Waldmann (Reading, United Kingdom)

Division of Scientific Affairs
Speaker: Maurizio Cecconi (London, United Kingdom)

Division of Professional Development
Speaker: Jacques Duranteau (Kremlin-Bicetre, France)

Other matters Questions and answers from the members
Scientific Programme

Wednesday, 27 September 2017

Keynote Lecture
08:00 - 08:25

Vienna

**Crystalloids and colloids: What really matters?**

#renal

Chair: Eric Hoste (Ghent, Belgium)

**Presentation**
Speaker: Luciano Gattinoni (Milan, Italy)

08:00

Thematic Session
08:30 - 10:00

Vienna

**Individualising mechanical ventilation**

#lung

Chair: Jordi Mancebo Cortes (Montreal, Canada)
Chair: Salvatore Maggiore (Chieti, Italy)

**What tool may I use to individualise?**
Speaker: Laurent Papazian (Marseille, France)

08:30

**Discussion**
08:45

**In ARDS**
Speaker: Geoffrey Bellingan (London, United Kingdom)

08:48

**Discussion**
09:03

**In spontaneously breathing patients**
Speaker: Alexandre Demoule (Paris, France)

09:06

**Discussion**
09:21

**In weaning failure**
Speaker: Jordi Mancebo Cortes (Montreal, Canada)

09:24

**Discussion**
09:39

**What about healthy lungs?**
Speaker: Marcus Schultz (Amsterdam, Netherlands)

09:42

**Discussion**
09:57
Scientific Programme

Thematic Session
08:30 - 10:00

**Precision medicine in sepsis**

Chair: Mervyn Singer (London, United Kingdom)
Chair: Leo Anthony Celi (Boston, United States)

**Why is it crucial?**
Speaker: Ricard Ferrer Roca (Barcelona, Spain)

08:30

08:45

**Discussion**

08:48

**Genetic variance and outcomes in sepsis**
Speaker: Jean-Daniel Chiche (Paris, France)

09:03

09:06

**Discussion**

09:21

**Modification of gut microbiota and potential impact**
Speaker: Jean-François Timsit (Paris, France)

09:24

09:39

**Discussion**

09:42

**Biomarker-driven adaptive and smart clinical trials**
Speaker: Derek Angus (Pittsburgh, United States)

09:48

09:57

**Post-resuscitation care**

Chair: Alain Cariou (Paris, France)
Chair: Fabio Silvio Taccone (Brussels, Belgium)

**Indications for early coronary angiography**
Speaker: Alain Cariou (Paris, France)

08:30

08:45

**Discussion**

08:48

**Oxygenation and ventilation**
Speaker: Gavin Perkins (Coventry, United Kingdom)

09:03

09:06

**ECMO for refractory cardiogenic shock**
Speaker: Alain Combes (Paris, France)

09:21
Extracerebral organ failure: Risk factors and outcome
Speaker: Claudio Sandroni (Rome, Italy)

Discussion

Coma after cardiac arrest: How long should we wait?
Speaker: Mauro Oddo (Lausanne, Switzerland)

Discussion

Thematic Session
08:30 - 10:00
Athens

Don’t lose your mind!
#periop

Chair: Sangeeta Mehta (Toronto, Canada)
Chair: Claudia Spies (Berlin, Germany)

EEG-patterns and delirium
Speaker: Arjen Slooter (Utrecht, Netherlands)

Discussion

Diagnostic validity of clinical tools for delirium-detection: From friend to foe?
Speaker: Felix Balzer (Berlin, Germany)

Discussion

Pharmacological prevention: Role of antipsychotics revisited
Speaker: Sangeeta Mehta (Toronto, Canada)

Discussion

Non-pharmacological prevention
Speaker: Olaf Cremer (Utrecht, Netherlands)

Discussion

Symptom-based pharmacological treatment without deep sedation
Speaker: Björn Weiss (Berlin, Germany)

Discussion

State of the Art Session
08:30 - 10:00
Barcelona

Haemodynamic issues in ARDS
#cardio

Chair: Daniel De Backer (Braine L'Alleud, Belgium)
Chair: Sheldon Magder (Montreal, Canada)
Scientific Programme

How can ARDS affect haemodynamics? 08:30
Speaker: Michael Pinsky (Pittsburgh, United States)

Discussion 08:45

Haemodynamic impact of PEEP and prone positioning 08:48
Speaker: Didier Payen (Paris, France)

Discussion 09:03

"Dry vs. wet" therapeutic attitude? 09:06
Speaker: Azriel Perel (Tel Aviv, Israel)

Discussion 09:21

How to deal with the right ventricular dysfunction? 09:24
Speaker: Armand Mekontso Dessap (Créteil, France)

Discussion 09:39

Haemodynamic monitoring/echo 09:42
Speaker: Antoine Vieillard-Baron (Boulogne, France)

Discussion 09:57

Thematic Session
08:30 - 10:00  Glasgow

Optimising microcirculation in septic shock #cardio

Mechanisms and incidence of microcirculatory dysfunction 08:30
Speaker: Can Ince (Amsterdam, Netherlands)

Discussion 08:45

Vasoactive agents to resuscitate microcirculation: Where are we today? 08:48
Speaker: Jan Bakker (Rotterdam, Netherlands)

Discussion 09:03

Peripheral perfusion as a target for fluid resuscitation 09:06
Speaker: Glenn Hernandez (Santiago, Chile)

Discussion 09:21

Are we ready to use videomicroscopic techniques routinely? 09:24
Speaker: Vanina S. Kanoore Edul (Buenos Aires, Argentina)

Discussion 09:39

Near-infrared spectroscopy: Where are we today? 09:42
Speaker: Thomas Scheeren (Groningen, Netherlands)
Scientific Programme

Discussion 09:57

Thematic Session 08:30 - 10:00  Lisbon

**Hyperlactataemia in sepsis**

#metabolic

Chair: Bruno Levy (Vandoeuvre les Nancy, France)
Chair: Carole Ichai (Nice, France)

**Stress hyperlactataemia: Myth or reality?**  08:30
Speaker: Glenn Hernandez (Santiago, Chile)

Discussion 08:45

**A source of energy for the heart**  08:48
Speaker: Bruno Levy (Vandoeuvre les Nancy, France)

Discussion 09:03

**A source of energy for the brain**  09:06
Speaker: Hervé Quintard (Nice, France)

Discussion 09:21

**An alternative fluid**  09:24
Speaker: Carole Ichai (Nice, France)

Discussion 09:39

**A parameter to monitor at the bedside**  09:42
Speaker: Didier Payen (Paris, France)

Discussion 09:57

Thematic Session 08:30 - 10:00  Paris

**Scoring systems - which one to use?**

#outcomes

Chair: Philipp Metnitz (Graz, Austria)
Chair: Bertrand Guidet (Paris, France)

**Severity of illness scores**  08:30
Speaker: Rui Paulo Moreno (Lisbon, Portugal)

Discussion 08:45

**Multi organ dysfunction scores**  08:48
Speaker: Mitchell Levy (Providence, United States)

Discussion 09:03
Scientific Programme

ICU activity scores
Speaker: Andreas Valentin (Schwarzach, Austria)
Discussion
09:21

Specific organ disease scores
Speaker: Philipp Metnitz (Graz, Austria)
Discussion
09:39

What scores are used throughout Europe?
Speaker: Michelle Chew (Malmö, Sweden)
Discussion
09:57

Thematic Session
08:30 - 10:00
Milan

An early start for RRT?
#renal
Chair: John Prowle (London, United Kingdom)
Chair: Peter Pickkers (Nijmegen, Netherlands)

Early is better
Speaker: Claudio Ronco (Vicenza, Italy)
Discussion
08:45

Let’s wait a little bit
Speaker: Stéphane Gaudry (Colombes, France)
Discussion
09:03

I still do not know
Speaker: Michael Darmon (Saint-Etienne, France)
Discussion
09:21

It’s the demand-capacity balance that matters
Speaker: Marlies Ostermann (London, United Kingdom)
Discussion
09:39

This patient should not be on RRT anyway!
Speaker: Wilfred Druml (Vienna, Austria)
Discussion
09:57
Scientific Programme

Thematic Session
08:30 - 10:00
Geneva

**How to make the ICU more humane**
#ethic

Chair: Victoria Metaxa (London, United Kingdom)
Chair: Carl Waldmann (Reading, United Kingdom)
Twitter Chair: Jamie Strachan (Oxford, United Kingdom)

**Making care more humane for the patient** 08:30
Speaker: Bara Ricou Arita (Geneva, Switzerland)

**Discussion** 08:45

**New SCCM/ESICM guidelines for family-centered care** 08:48
Speaker: Rik Gerritsen (Leeuwarden, Netherlands)

**Discussion** 09:03

**Work environment which fosters humane caregivers** 09:06
Speaker: Christiane Hartog (Jena, Germany)

**Discussion** 09:21

**Humane leadership** 09:24
Speaker: Diederik van Dijk (Utrecht, Netherlands)

**Discussion** 09:39

**How to measure humane care** 09:42
Speaker: J. Randall Curtis (Seattle, United States)

**Discussion** 09:57

LIVES Interactive Debates
08:30 - 09:30
LIVES Interactive Debate

**Blood products in bleeding trauma patients: What, when and how?**
#trauma

Chair: Martin Dünser (London, United Kingdom)

**Debate** 08:30
Speaker: Dietmar Fries (Innsbruck, Austria)
Speaker: Sophie Hamada (Paris, France)
Speaker: Luke Leenen (Utrecht, Netherlands)
Scientific Programme

Tech Lounge
09:00 - 10:00

Machine learning in ICM research
#tech
Chair: Richard Beale (London, United Kingdom)
Chair: Jacobus Preller (Cambridge, United Kingdom)
Twitter Chair: Stephen Shepherd (London, United Kingdom)

<table>
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<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker</th>
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<tr>
<td>09:00</td>
<td>Machine learning: What is it?</td>
<td>Marius Terblanche (London, United Kingdom)</td>
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<td>09:15</td>
<td>How to process real-time signals using ML</td>
<td>Ari Ercole (Cambridge, United Kingdom)</td>
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<td>09:30</td>
<td>Extending ML applications to the bedside</td>
<td>Michael Pinsky (Pittsburgh, United States)</td>
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<td>09:45</td>
<td>Open discussion</td>
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Poster Corner
09:10 - 11:00

ARDS: Clinical studies
#lung
Chair: Arthur Slutsky (Toronto, Canada)
Chair: Jean-Michel Constantin (Clermont-Ferrand, France)

<table>
<thead>
<tr>
<th>Title</th>
<th>Abstract Presenter</th>
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<td>The spectrum study severe hypoxemia: prevalence treatment and outcome in 2016</td>
<td>David Grimaldi (Le Chesnay, France)</td>
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<td>Prediction of respiratory effects of 16 h period of prone positioning (PP): a prospective study in patients with transpulmonary thermodilution monitoring</td>
<td>Wolfgang Huber (Munich, Germany)</td>
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<tr>
<td>Time course of pulmonary and haemodynamic parameters during a 16h period of prone positioning (PP): a prospective study in patients with transpulmonary thermodilution (TPTD) monitoring</td>
<td>Wolfgang Huber (Munich, Germany)</td>
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<td>Diabetes mellitus is protective against the development of ARDS: an analysis of the LUNG SAFE database</td>
<td>Andrew Boyle (Adelaide, Australia)</td>
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<td>Long term hemodynamic effects of prone position in ARDS patients</td>
<td>Martin Ruste (Lyon, France)</td>
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<td>Role of hypertonic saline nebulization therapy in patients with early acute respiratory distress syndrome</td>
<td>Amr Dahrugo (Alexandria, Egypt)</td>
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<tr>
<td>Carbon dioxide venous-arterial difference and shunts during prone position in influenza AH1N1 ARDS patients</td>
<td>Jessica Garduño López (Mexico, Mexico)</td>
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</table>
Scientific Programme

Safety of prone position in patients with ARDS after abdominal surgery
Abstract Presenter: Luis A. Gorordo-Delsol (México City, Mexico)

Evolution of acute respiratory distress in third-level ICU
Abstract Presenter: Ánxela Vidal (Madrid, Spain)

Comparison of respiratory mechanics and gas exchange between extra and pulmonary ARDS in a polyvalent ICU
Abstract Presenter: Ánxela Vidal (Madrid, Spain)

Acute respiratory distress syndrome: descriptive study in a Tunisian ICU
Abstract Presenter: Takoua Merhabene (Ariana, Tunisia)

Prone positioning in severe Acute Respiratory Distress Syndrome (ARDS)
Abstract Presenter: Takoua Merhabene (Ariana, Tunisia)

Effect of prone positioning on intraocular pressure (IOP) in patients with acute respiratory distress syndrome (ARDS)
Abstract Presenter: Sai Saran (Lucknow, India)

Airway and transpulmonary driving pressure selected by INTELLiVENT-ASV after recruitment in ARDS patients
Abstract Presenter: Aude Garnero (Melbourne, Australia)

Characteristics and outcomes in patients with adenoviral pneumonia causing severe respiratory distress syndrome
Abstract Presenter: Cheah Hooi Ken Lee (Singapore, Singapore)

Renal replacement therapy

#renal

Chair: Lui Forni (Surrey, United Kingdom)
Chair: Burcin Halacli (Ankara, Turkey)

Continuous renal replacement therapy is associated with acute myocardial injury in critically ill patients
Abstract Presenter: Slessarev Marat (London, Canada)

Evolution of continuous renal replacement therapy prescriptions along a decade in a tertiary referral hospital: a prospective observational cohort
Abstract Presenter: Erika Paola Plata-Menchaca (México, Mexico)

Mortality in patients requiring renal replacement therapy in intensive care in St Helier Hospital, London in 2012-2013
Abstract Presenter: Giles Faria (Surrey, United Kingdom)

Impact of early initiation of continuous renal replacement therapy in critically ill patients with acute kidney injury
Abstract Presenter: Sung Yoon Lim (Seoul, Korea, Republic of)
Scientific Programme

A retrospective audit of renal replacement therapy practices in intensive care units in a tertiary hospital in Singapore
Abstract Presenter: Rui Min Lee (Singapore, Singapore)

Causes of death in patients with acute kidney injury treated with renal replacement therapy
Abstract Presenter: Iris Ertugrul (Amsterdam, Netherlands)

Effectiveness of blood gas analyzers measuring ionized calcium concentration in CRRT using regional citrate anticoagulation
Abstract Presenter: Màrius Satorra (Badalona, Spain)

Hemofiltration induces generation of microvesicles and tissue factor in sepsis
Abstract Presenter: Georg F. Lehner (Innsbruck, Austria)

A protocol for routine regional citrate anticoagulation on the Aquarius platform results in significant improvement of filter life
Abstract Presenter: Christopher J. Kirwan (London, United Kingdom)

Line tip position has the greatest influence on filter life span for critically patients who require CRRT
Abstract Presenter: Christopher J. Kirwan (London, United Kingdom)

Regional citrate anticoagulation for continuous renal replacement therapy in the adult intensive care unit at Glenfield Hospital, Leicester, United Kingdom
Abstract Presenter: Anthea Brookes-Elbaz (Leicester, United Kingdom)

Use of oXiris during continuous renal replacement therapy (CRRT) in patients with septic shock and AKI: a case series
Abstract Presenter: Federico Prato (Biella, Italy)

Hemofiltration outside ITU for persistent AKI in a cardiothoracic centre
Abstract Presenter: Clara Hernández Caballero (London, United Kingdom)

Continuous renal replacement therapy in critically ill children: risk factors and outcome
Abstract Presenter: Naveed Ur Rehman Siddiqui (Riyadh, Saudi Arabia)

Fluid removal with ultrasound driven protocol improved efficacy and safety of dehydration in critical illness
Abstract Presenter: Luhao Wang (Guangzhou, China)

Cardiac surgery and pulmonary arterial hypertension
#cardio

Chair: Pierre Squara (Neuilly-sur-Seine, France)
Chair: Ludhmila Hajjar (Sao Paulo, Brazil)

Hypotension after anesthesia-to-intensive care unit drop off in cardiac surgery patients; frequency and associated outcomes
Abstract Presenter: Sabina Cengic (Jacksonville, United States)
Early surgery and functional outcomes of critically ill patients with Staphylococcus aureus infective endocarditis
Abstract Presenter: Romain Sonneville (Paris, France)

Monocytes CD14+ with HLA-DR+ expression counts in peripheral blood before cardiac surgery predict ICU mortality
Abstract Presenter: Alexander Levit (Ekaterinburg, Russian Federation)

Mortality and therapeutic interventions in patients with pulmonary hypertension following emergency admission to critical care
Abstract Presenter: Deborah Kerr (Sheffield, United Kingdom)

Diagnosis and haemodynamics of pulmonary hypertension in the cardiothoracic ICU
Abstract Presenter: Eftychia Galiatsou (Ioannina, Greece)

Troponin T: an indicator of adverse outcomes following lung transplantation
Abstract Presenter: John Scott (Rochester, United States)

Can right atrial pacing suppress postoperative atrial fibrillation after atrial valve replacement, especially in patients with atrial valve stenosis?
Abstract Presenter: Hiroshi Ueta (Kobe, Japan)

Mortality factors associated in patients with infective endocarditis managed with emergent cardiac surgery
Abstract Presenter: Nora Palomo-Lopez (Sevilla, Spain)

Results of percutaneous aortic prosthesis implantation in patients older than 75 years with severe symptomatic aortic stenosis and high surgical risk
Abstract Presenter: Markel Mancisidor Urizar (Málaga, Spain)

Aortic surgery with moderate hypothermia, cardiac arrest and antegrade cerebral perfusion. Results
Abstract Presenter: Victoria Hortigüela (Madrid, Spain)

Mortality of patients with severe aortic stenosis treated with a self-expanding prosthesis
Abstract Presenter: Lorena Olivencia (Granada, Spain)

Inhibition of PAK-1/ROS signaling by induced pluripotent stem cell (iPSC) suppresses pulmonary arterial smooth muscle cells proliferation
Abstract Presenter: Shu-Hung Kuo (Kaohsiung City, Taiwan, Province of China)

Enhanced expression of MMP1 and MMP10 gene by pro-inflammatory macrophage(mø) in pulmonary arterial hypertension (PAH)
Abstract Presenter: Shu-Hung Kuo (Kaohsiung City, Taiwan, Province of China)

Systematic echocardiographic monitoring after cardiac surgery is associated with prolonged inotrope infusion and favourable outcomes: results of a multicenter study
Abstract Presenter: Liana Valeanu (Paris, France)

Red blood cells morphology monitoring as a predictor hypervolemia and pulmonary edema in cardiothoracic tetralogy of fallot
Abstract Presenter: Ravshan Alievich Ibadov (Tashkent, Uzbekistan)
Patient safety

#outcomes

Chair: Felix Balzer (Berlin, Germany)
Chair: Bara Ricou Arita (Geneva, Switzerland)

- **Impact of incorporating High Fidelity Manikin (HFM) simulation in Medical Emergency Response Team (MERT) training on achieving AHA recommendations for acute cardiopulmonary events**
  - Abstract Presenter: Rebecca Hellmann (Middletown, United States)

- **Adverse events in critical care: search and active detection through the trigger tool**
  - Abstract Presenter: Francisco Molina (Medellín, Colombia)

- **Risk reduction in ICU aminoglycoside prescribing through a multidisciplinary quality improvement initiative**
  - Abstract Presenter: Nicola Cox (London, United Kingdom)

- **Application of the real time random safety audits (AASTRE) in an intensive care unit**
  - Abstract Presenter: Pablo Blanco-Schweizer (Valladolid, Spain)

- **Medication safety on the ICU - a 3 year analysis and improvement process in a tertiary level ICU**
  - Abstract Presenter: Adrian Wong (Oxford, United Kingdom)

- **Errors in preparation and administration of medication in a Tunisian teaching hospital medical ICU: an evaluation of professional practices (EPP) study**
  - Abstract Presenter: Mohamed Boussarsar (Sousse, Tunisia)

- **Use of a novel “simbulance” transfer course to better prepare staff for critical care transfers**
  - Abstract Presenter: Swati Gupta (Gloucester, United Kingdom)

- **How to convince an entire staff of the advantages of using AnaConDa supported by evidence based practice**
  - Abstract Presenter: Caroline Naalden (Lørenskog, Norway)

- **Critical care transfers - how is the North East North Central London network is performing?**
  - Abstract Presenter: Olivera Nikolic (London, United Kingdom)

- **Effect of securement device for arterial catheter on catheter-related complications**
  - Abstract Presenter: Yumiko Tsunano (Tokushima, Japan)

- **Multidisciplinary care can protect patients from radiation exposure at percutaneous coronary intervention**
  - Abstract Presenter: Shu-Hung Kuo (Kaohsiung City, Taiwan, Province of China)

- **Multi-infusion training**
  - Abstract Presenter: Annemoon Timmerman (Utrecht, Netherlands)

- **The role of early enteral nutrition in the prevention of postoperative intestinal failure**
  - Abstract Presenter: Marina Vladimirovna Petrova (Moscow, Russian Federation)

- **Incidents without damage notification system: 5 years of experience in intensive care unit (ICU)**
  - Abstract Presenter: Cristina Carbajales Pérez (Burgos, Spain)
Assessing additional intravenous access in patients with indwelling peripherally inserted central catheters
Abstract Presenter: Peter Bird (Liverpool, United Kingdom)

Antimicrobial use and infection prevention
#micro
Chair: Kirsi Maija Kaukonen (Helsinki, Finland)
Chair: Jason Roberts (Brisbane, Australia)

Optimization of piperacillin/tazobactam therapy in critically ill patients: a pilot study
Abstract Presenter: Víctor Daniel Gumucio-Sanguino (L'Hospitalet de Llobregat, Spain)

Assessment of enteral paromomycin to eradicate colistin and carbapenemase resistant microorganisms in rectal colonization to prevent ICU - acquired infections
Abstract Presenter: Catalina Sánchez Ramírez (Las Palmas de Gran Canaria, Spain)

Five years of selective digestive decontamination in a mixed intensive care unit at a university hospital: impact on colonization, nosocomial infection and antibiotic consumption
Abstract Presenter: Catalina Sánchez Ramírez (Las Palmas de Gran Canaria, Spain)

The effects of ceftolozane/tazobactam vs. piperacillin/tazobactam in a model of multi-resistant Pseudomonas aeruginosa pneumonia
Abstract Presenter: Gianluigi Li Bassi (Barcelona, Spain)

Risk factors for extensive colonization or infection by Candida in patients hospitalized in intensive care unit
Abstract Presenter: Athanasios Margaritis (Ioannina, Greece)

Evolution of Pseudomona aeruginosa in an intensive care unit (ICU) with the use of an empirical protocol of antibiotic rotation
Abstract Presenter: Hugo Rodríguez Pérez (Las Palmas de Gran Canaria, Spain)

Implementation of the Spanish ICU ´ZERO RESISTANCE´ project in Andalusia
Abstract Presenter: Angel Estella (Jerez de la Frontera, Spain)

Incidence and risk factors of central venous catheter associated infection in a Tunisian MICU
Abstract Presenter: Mohamed Boussarsar (Sousse, Tunisia)

Appropriate antibiotic therapy rates in ICU
Abstract Presenter: Olga Moreno Romero (Granada, Spain)

Surveillance results of invasive device associated infection rate in a Turkish tertiary level intensive care unit
Abstract Presenter: Çetin Kaymak (Ankara, Turkey)

In vitro activity of antimicrobial drugs against pathogens commonly isolated in tracheal secretions of patients in the ICU
Abstract Presenter: Athanasios Margaritis (Ioannina, Greece)
The link between gastrointestinal tract colonisation and infectious complications in intensive care unit patients after cardiac surgeries
Abstract Presenter: Gabija Visockyte (Vilnius, Lithuania)

Significantly more de-escalation of empiric anti-infective therapy in severe sepsis and septic shock without negative impact on mortality by a goal-directed intervention including feedback of quality indicators and de-escalation rates
Abstract Presenter: Hendrik Rüddel (Jena, Germany)

Poster Corner
09:10 - 11:00

**Nutrition, energy expenditure and prognosis**

#metabolic

Chair: Jan Wernerman (Stockholm, Sweden)
Chair: Kenneth Christopher (Boston, United States)

Resting energy expenditure in elderly critically ill patients and matched healthy control cohort - a comparison of predictive equations versus indirect calorimetry
Abstract Presenter: Matthias Kott (Kiel, Germany)

Bodyweight-adjusted energy expenditure deceases with age in critically ill medical patients
Abstract Presenter: Marlene Wewalka (Vienna, Austria)

The obesity paradox in critically ill patients: a protective factor?
Abstract Presenter: Nivaldo Menezes Filgueiras Filho (Salvador, Brazil)

A new prognostic marker in the intensive care unit (ICU): the psoas muscle area index measured by abdominal computed tomography (CT) targeted on the third lumbar vertebra (L3)
Abstract Presenter: Ronan Thibault (Rennes, France)

Effect of vitamin D levels on mortality in critically ill patients: single center observational study
Abstract Presenter: Murat Sungur (Kayseri, Turkey)

The mortality of elderly patients with severe accidental hypothermia in our intensive care unit
Abstract Presenter: Ryota Tate (Iizuka, Japan)

The clinical characteristics and risk factors of critical illness-related corticosteroid adrenal insufficiency
Abstract Presenter: SeungYong Park (Jeonju, Korea, Republic of)

Artificial nutrition evaluation in the ICU: energy balance and protidemia assay contribution
Abstract Presenter: Takoua Khzouri (Tunis, Tunisia)

Does admission vitamin D level reflect chronic health status and predict outcome of critical illness?
Abstract Presenter: Amina Khaldi (Brussels, Belgium)

A systematic scoping review on the incidence and risk factors of hyperglycaemia in ICU adult patients
Abstract Presenter: Jean-Charles Preiser (Brussels, Belgium)
Scientific Programme

The novel use of point of care ultrasound to predict resting energy expenditure in critically ill patients: prospective observational study
Abstract Presenter: Mohamed Abdel Ghany (Cairo, Egypt)

Does the ratio between ICU admission blood glucose and chronic glycemia predict the outcome?
Abstract Presenter: Danielle H. Prevedello (Curitiba, Brazil)

Nitrogen balance in nutritional monitoring in critical patients
Abstract Presenter: Itamar Porto (Cascavel, Brazil)

The severity of catabolic reactions in patients with traumatic brain injury
Abstract Presenter: Zinaida Marutyan (Moscow, Russian Federation)

The impact of DPP-4 inhibitors to long-term outcome among diabetes patients after first acute myocardial infarction
Abstract Presenter: Shu-Hung Kuo (Kaohsiung City, Taiwan, Province of China)

Poster Corner
09:10 - 11:00

Acute brain injury 2
#neuro
Chair: Geert Meyfroidt (Leuven, Belgium)
Chair: Pedro Kurtz (Rio de Janeiro, Brazil)

Incidence and risk factors for the development of hyperammoniemia during treatment with valproic acid
Abstract Presenter: Chiara De Fazio (Brussels, Belgium)

Does antibiotic prophylaxis influence the incidence of EVD-related infections? A prospective multicentric study
Abstract Presenter: Joana Berger-Estilita (Olten, Switzerland)

Lacosamide use in the ICU
Abstract Presenter: Laura Martinez Pujol (Terrassa, Spain)

Postmortem purines in blood and cerebrospinal fluid - stroke patterns
Abstract Presenter: Evgeny Oreshnikov (Cheboksary, Russian Federation)

Importance of purine metabolites in preeclampsia and acute cerebral stroke
Abstract Presenter: Evgeny Oreshnikov (Cheboksary, Russian Federation)

Frequency and types of delirium in patients with ischemic and hemorrhagic strokes
Abstract Presenter: Alexey Gritsan (Krasnoyarsk, Russian Federation)

Comparison of metabolic pathways utilizing quantitative plasma metabolomics in critically ill burn and neurosurgical patients
Abstract Presenter: Edward Van Matre (Denver, United States)

Mapping spatial biochemical changes in a mouse model of traumatic brain injury with Raman imaging
Abstract Presenter: Ari Ercole (Cambridge, United Kingdom)
Scientific Programme

Ammonium tetrathiomolybdate, a novel sulphide donor, given on reperfusion, reduces cerebral infarct size and improves functional outcomes
Abstract Presenter: Bruna Mendonça (Criciúma, Brazil)

Imaging cerebral blood flow-metabolism uncoupling and mitochondrial dysfunction after good-grade subarachnoid hemorrhage
Abstract Presenter: Halinder Mangat (New York, United States)

Pupillometry characterisation of the ‘sluggish pupil’
Abstract Presenter: Hari Krishnan Kanthimathinathan (Birmingham, United Kingdom)

Sepsis: Prognostication

#sepsis
Chair: Beatriz Lobo Valbuena (Madrid, Spain)
Chair: Ricard Ferrer Roca (Barcelona, Spain)

Validation of SOFA, qSOFA and SIRS to predict mortality and organ failures among sepsis patients admitted to medical intensive care unit in middle-income country
Abstract Presenter: Bodin Khwannimit (Hat Yai, Thailand)

Hourly rate of lactate decrease is related to 30-day mortality in septic shock patients
Abstract Presenter: Panuwat Promsin (Stockholm, Sweden)

A prognostic model for post-operative risk stratification of critically ill patients with faecal peritonitis
Abstract Presenter: Ascanio Tridente (Liverpool, United Kingdom)

Prognostic value of pulmonary vascular permeability index in patients with sepsis
Abstract Presenter: Željko Drvar (Zagreb, Croatia)

Prognostic utility of the combined SOFA score, lactate, procalcitonin and C-reactive protein in severe sepsis
Abstract Presenter: Wei Chang (Nanjing, China)

Predictive value of hypotension duration before initiation of effective antimicrobial therapy on clinical outcome of critically ill patients
Abstract Presenter: Kenana Aganovic (Sarajevo, Bosnia and Herzegovina)

Quartiles of lactate concentration in sepsis and mortality
Abstract Presenter: Maria-Victoria de la Torre-Prados (Málaga, Spain)

Significance of stratified values of serum lactate on in-hospital mortality in patients with sepsis or septic shock
Abstract Presenter: Drayton Hammond (Little Rock, United States)

Analysis and relation between lymphopenia and mortality in septic patients
Abstract Presenter: Nora Palomo-Lopez (Sevilla, Spain)

Related prognostic factors in elderly patients admitted in ICU with severe sepsis and septic shock
Abstract Presenter: LAURA Sanchez (Barcelona, Spain)
Is uremia a good severity predictor in sepsis?
Abstract Presenter: Ester Vendrell Torra (Mataró, Spain)

Prognostic value of venoarterial carbon-dioxide gradient in patients with sepsis
Abstract Presenter: Uros Batranovic (Sremska Kamenica, Serbia)

The effect of pH enhances the prognostic value of central venous-to-arterial carbon dioxide differences in early septic shock
Abstract Presenter: Jaume Mesquida (Sabadell, Spain)

Significance of Neutrophil Lymphocyte Ratio in outcome of sepsis
Abstract Presenter: Grace Keegan (Liverpool, United Kingdom)

Simulation Centre
09:15 - 10:15
Simulation Centre - Mechanical Ventilation Area

MV area

Case scenario 09:15
Speaker: Lise Piquilloud (Lausanne, Switzerland)
Speaker: Giacomo Bellani (Monza, Italy)

Simulation Centre
09:15 - 10:45
Simulation Centre - ECMO Area

ECMO area

Hands-on 09:15
Speaker: Chirine Mossadegh (Paris, France)
Speaker: Sabine Valera (Marseille, France)
Speaker: Hugo Guillou (Paris, France)
Speaker: Emric Besnard (Paris, France)
Speaker: Dinis Reis Miranda (Groningen, Netherlands)
Speaker: Alexander Hermann (Vienna, Austria)
Scientific Programme

Simulation Centre
09:15 - 11:15

Difficult airway management area - Focus on bronchoscopy in ICU

Hands-on 09:15
Speaker: Gennaro De Pascale (Rome, Italy)
Speaker: John Laffey (Toronto, Canada)
Speaker: Brijesh Patel (London, United Kingdom)

NEXT Lounge
09:30 - 10:30

Blackboard lecture

#ESICMNEXT

Chair: Laura Galarza (Castellon, Spain)

ICP, CPP & Co. - Understanding the pathophysiology of intracranial pathologies 09:30
Speaker: Nino Stocchetti (Milan, Italy)

LIVES Interactive Debates
09:45 - 10:45

Practice should change only with RCT: Where is the evidence?

SIS/HSRO
#sepsis#outcomes

Chair: Hans Flaatten (Bergen, Norway)

Debate 09:45
Speaker: Andrej Michalsen (Tettnang, Germany)
Speaker: Timothy Walsh (Edinburgh, United Kingdom)
Speaker: Jukka Takala (Bern, Switzerland)

Oral Presentations
10:10 - 11:25

Haemodynamic resuscitation of shock states

#cardio

Chair: Antonio Artigas (Barcelona, Spain)
Chair: Steffen Weber-Carstens (Berlin, Germany)

Pooled analysis of higher vs lower blood pressure targets for vasopressors 10:10
Abstract Presenter: François Lamontagne (Sherbrooke, Canada)
30th Annual Congress of the European Society of Intensive Care Medicine,
23 - 27 September 2017,
Vienna, Austria

Scientific Programme

Veno-arterial carbon dioxide difference/arterial-venous oxygen difference ratio but not central venous oxygen saturation or lactate predict increase in oxygen consumption in fluid responders after cardiac surgery
Abstract Presenter: Kevin Pilarczyk (Essen, Germany) 10:25

The effects of passive leg raising can be detected by the plethysmographic oxygen saturation signal
Abstract Presenter: Alexandra Beurton (Le Kremlin-Bicêtre, France) 10:40

Clinical examination for diagnosing circulatory shock: the Simple Intensive Care Studies-I
Abstract Presenter: Iwan van der Horst (Groningen, Netherlands) 10:55

Non-invasive Cardiac output, Oxygen delivery and sub-lingual Micro-circulation as a predictive tool in acute MediCAl admission patients - COM-MICAL study
Speaker: James Mckinlay (Guildford, United Kingdom) 11:10

Oral Presentations
10:10 - 11:25

Understanding organ failure in sepsis
#sepsis
Chair: Steven Thiessen (Leuven, Belgium)
Chair: Marc Leone (Marseille, France)

A new approach of sepsis heterogeneity
Abstract Presenter: Sébastien Bailly (Grenoble, France) 10:10

Defining sepsis on the wards: results of a multi-centre point-prevalence study comparing two sepsis definitions
Abstract Presenter: Maja Kopczynska (Cardiff, United Kingdom) 10:25

Elevated β-lactam concentrations are associated with EEG abnormalities in patients with sepsis
Abstract Presenter: Bedrana Moro Salihovic (Brussels, Belgium) 10:40

Dynamic evolution of SOFA-Score before Sepsis-1 onset in patients with ICU acquired sepsis
Abstract Presenter: Sven-Olaf Kuhn (Greifswald, Germany) 10:55

Arterial spin labeling magnetic resonance imaging evaluation of cerebral perfusion in health and under vasopressor therapy for sepsis
Abstract Presenter: François Lamontagne (Sherbrooke, Canada) 11:10
Mechanical ventilation clinical studies

#lung
Chair: Giuseppe Foti (Monza, Italy)
Chair: Manuel Mendoza Ruano (Las Palmas de Gran Canaria, Spain)

Acute hypoxemic respiratory failure: which patients need intubation? 10:10
Abstract Presenter: Jean-Pierre Frat (Poitiers, France)

Diaphragm twitch pressure and thickening fraction are strong predictors of liberation from mechanical ventilation 10:25
Abstract Presenter: Martin Dres (Paris, France)

The efficacy of ultrasound assessment of diaphragmatic function in guiding weaning from mechanical ventilation in critically ill patients with abdominal sepsis 10:40
Abstract Presenter: Haitham Eltrabily (Cairo, Egypt)

Ventilator-associated events: prevalence, outcome and preventability 10:55
Abstract Presenter: Jose Raimundo Azevedo (Sao Luis, Brazil)

Preventing reintubation: role of the different high-risk factors for reintubation in the selection of appropriate therapy. A post-hoc analysis 11:10
Abstract Presenter: Gonzalo Hernandez (Madrid, Spain)
Oral Presentations
10:10 - 11:25

**Perioperative intensive care**

#periop

Chair: Ib Jammer (Bergen, Norway)
Chair: Rupert Pearse (London, United Kingdom)

- **Surgical patients have favourable outcomes after admission to intensive care unit. A case-matched study using data from the Swedish Intensive Care Registry 2012-2014**
  
  Abstract Presenter: Monir Jawad (Kristianstad, Sweden)

- **Fluid management in patients undergoing major abdominal surgery - influence of 0.9% saline versus an acetate buffered balanced infusate on the necessity of cardiocirculatory support: a prospective, randomized, controlled, double-blind study**
  
  Abstract Presenter: Carmen A. Pfortmueller (Vienna, Austria)

- **The effect of using an enhanced recovery protocol for patients undergoing emergency laparotomy across 28 hospitals in England, UK**
  
  Abstract Presenter: Geeta Aggarwal (Guildford, United Kingdom)

- **Is there any association between metabolic syndrome and postoperative complications after coronary artery bypass surgery?**
  
  Abstract Presenter: Fotini Ampatzidou (Thessaloniki, Greece)

- **Can an early prediction tool appropriately stratify patients into risk groups for developing intensive care delirium?**
  
  Abstract Presenter: Will Dean (Cambridge, United Kingdom)

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Oral Presentations
10:10 - 11:25

**Antimicrobial use in the ICU**

#micro

Chair: Maria Deja (Berlin, Germany)
Chair: Jean Chastre (Paris, France)

- **Plasma pharmacokinetic of a 140 mg loading dose of caspofungin in ICU patients with multiple organ failure and invasive candidiasis - the CASPOLOAD study**
  
  Abstract Presenter: Jean-François Timsit (Paris, France)

- **Infection-related ventilator-associated complications in critically ill patients colonized with extended-spectrum beta-lactamase-producing Enterobacteriaceae (ESBLE): correlation with ventilator-associated pneumonia due to ESBLE and impact on carbapenem exposure**
  
  Abstract Presenter: François Barbier (Orléans, France)

- **Adequacy of b-lactams therapy during extracorporeal membrane oxygenation**
  
  Abstract Presenter: Immacolata Romeo (Pavia, Italy)
Scientific Programme

Risk factors of clinical failure during treatment of postoperative peritonitis: results of the DURAPOP trial
Abstract Presenter: Philippe Montravers (Paris, France)

Pharmacokinetics of meropenem in patients with septic shock
Abstract Presenter: Fredrik Sjövall (Lund, Sweden)

Oral Presentations
10:10 - 11:25
Lisbon

Outcome after intensive care
#outcomes
Chair: Bernardo Bollen Pinto (Geneva, Switzerland)
Chair: Andreas Valentin (Schwarzach, Austria)

Safety climate, process adhesion and outcomes in critical care units: a secondary analysis of the CHECKLIST-ICU trial
Abstract Presenter: Fernando Zampieri (São Paulo, Brazil)

Frailty and functional status as decision factors regarding admission to critical care
Abstract Presenter: Ascanio Tridente (Liverpool, United Kingdom)

Targeted temperature Management in intensive care: an ESICM international survey of critical care practice
Abstract Presenter: Adrian Wong (Oxford, United Kingdom)

ARDS cases volume and ICU mortality: insights from the CUBREA database
Abstract Presenter: Martin Dres (Paris, France)

Treatment, risk of death and chance of discharge vary between weekdays and weekends in intensive care units
Abstract Presenter: Paul Zajic (Graz, Austria)

Surviving critical care
#outcomes
Chair: Bertrand Guidet (Paris, France)
Chair: Hannah Wunsch (Toronto, Canada)

Weekend ICU admission is associated with increased risk of death
Abstract Presenter: Paul Zajic (Graz, Austria)

Factors associated with non-response at quality of life follow-up among survivors of septic shock. A registry-based post-hoc analysis of the TRISS randomised trial
Abstract Presenter: Maj-Brit Kjaer (Copenhagen, Denmark)
30th Annual Congress of the European Society of Intensive Care Medicine,
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Scientific Programme

**Is post-sepsis syndrome different from post-intensive care (ICU) syndrome? A cohort and propensity score matched analysis**
Abstract Presenter: Kelly Thompson (Newtown, Australia) 10:40

**Incidence of Post Intensive Care Syndrome (PICS) in a large cohort of ICU survivors: results of an ICU aftercare program**
Abstract Presenter: Danine van Rijswijk (Tilburg, Netherlands) 10:55

**Long-term mortality after severe sepsis and septic shock in Swedish intensive care units 2005 - 2015**
Abstract Presenter: Miklos Lipcsey (Uppsala, Sweden) 11:10

Oral Presentations
10:10 - 11:25

**Organisation issues in intensive care**
#outcomes

Chair: Philipp Metnitz (Graz, Austria)
Chair: Gavin Joynt (Hong Kong, Hong Kong, China)

**Improving End of Life (EOL) care in the Neurosurgical Intensive Care Unit (NICU): a pilot project in Singapore**
Abstract Presenter: Yu-Lin Wong (Singapore, Singapore) 10:10

**Crew Resource Management (CRM) training in the ICU. Is once a year enough?**
Abstract Presenter: Urs Pietsch (St Gallen, Switzerland) 10:25

**Virtual critical care follow up as an aid to triage patients, providing the right care, for the right patient at the right time**
Abstract Presenter: Rosalba Spiritoso (London, United Kingdom) 10:40

**The evolution of social media in critical care conferences - improving engagement and learning beyond borders**
Abstract Presenter: Ifor Capel (Oxford, United Kingdom) 10:55

**Extracorporeal membrane oxygenation in Korea - expenditure and impact of hospital volume on outcome: analysis of national insurance data 2009 - 2014**
Abstract Presenter: Sua Kim (Seoul, Korea, Republic of) 11:10

Oral Presentations
10:10 - 11:25

**Is there research in ethics?**
#ethic

Chair: Rik Gerritsen (Leeuwarden, Netherlands)
Chair: Christiane Hartog (Jena, Germany)
Scientific Programme

**Emergency Department (ED) Initiated Palliative Care (PC) in End of Life (EOL) ICU consults. A randomized clinical trial**  
Abstract Presenter: Ronni Levy (New York, United States)

**Limitation of life-sustaining treatments in Indian ICUs: data from The Indian Intensive Care Case Mix and Practice Patterns Study (INDICAPS Study)**  
Abstract Presenter: Jigeeshu Divatia (Mumbai, India)

**Sexual health in ICU survivors**  
Abstract Presenter: Johan A. Malmgren (Gothenburg, Sweden)

**Moral distress in patients’ relatives in ICU end-of-life care decisions**  
Abstract Presenter: Una St Ledger (Belfast, United Kingdom)

**Factors in the family approach process that influence organ donation consent rates: a nationwide cohort study**  
Abstract Presenter: Marloes Witjes (Nijmegen, Netherlands)

NEXT Lounge  
10:30 - 11:30

**2025: The future of Intensive Care**  
#ESICMNEXT

Chair: Nishkantha Arulkumaran (London, United Kingdom)

**Demographics and Intensive Care**  
Speaker: Claudia Spies (Berlin, Germany)  
Speaker: Jozef Kesecioglu (Utrecht, Netherlands)  
Speaker: Geoffrey Bellingan (London, United Kingdom)

Tech Lounge  
10:30 - 11:30

**ESICM Academy live demonstration: Knowledge anywhere at any time!**  
#tech

Chair: Julian Bion (Birmingham, United Kingdom)  
Chair: Theodoros Kyriacou (Nicosia, Cyprus)  
Twitter Chair: Jamie Strachan (Oxford, United Kingdom)

**How to educate in the 21st century**  
Speaker: Francesca Rubulotta (London, United Kingdom)

**The ESICM e-learning platform philosophy**  
Speaker: Jacobus Preller (Cambridge, United Kingdom)

**E-learning module: An enriched learning pathway**  
Speaker: Zudin A. Puthucheary (London, United Kingdom)
Scientific Programme

**On line collaboration in editing an e-module**  11:00
Speaker: Theodoros Kyprianou (Nicosia, Cyprus)

**AppIC**  11:10
Speaker: Anne-Sophie Debue (Paris, France)

**Discussion**  11:20

LIVES Interactive Debates  11:00 - 12:00

**Extreme lifespans!**

#ESICMNAHP

Chair: Bronagh Blackwood (Belfast, United Kingdom)

**Debate**  11:00
Speaker: Jos Latour (Plymouth, United Kingdom)
Speaker: Ruth Endacott (Plymouth, United Kingdom)
Speaker: David McWilliams (Birmingham, United Kingdom)

**Poster Corner**  11:10 - 13:00

**ECMO**

#lung

Chair: Alain Combes (Paris, France)
Chair: Michael Quintel (Göttingen, Germany)

- **Association between higher PEEP and improved pulmonary vascular dysfunction in severe ARDS patients on ECMO**
  Abstract Presenter: Elena Spinelli (Milano, Italy)

- **Predictors of outcome in veno-venous extracorporeal membrane oxygenation patients**
  Abstract Presenter: Burcin Halacli (Ankara, Turkey)

- **Evaluation of almitrine infusion trial during veno venous extracorporeal membrane oxygenation for severe acute respiratory distress syndrome in adults**
  Abstract Presenter: Christophe Guervilly (Marseille, France)

- **Incidence of right ventricle failure in patients with acute severe respiratory failure requiring extracorporeal membrane oxygenation**
  Abstract Presenter: Luigi Camporota (London, United Kingdom)

- **Risk factors and outcome of right ventricle failure in patients with acute severe respiratory failure on extracorporeal membrane oxygenation**
  Abstract Presenter: Luigi Camporota (London, United Kingdom)

- **The RESP score for prediction of survival in patients with acute respiratory failure on extracorporeal membrane oxygenation: Korean multicenter study**
  Abstract Presenter: Moon Seong Baek (Seoul, Korea, Republic of)
Scientific Programme

Low flow veno-venous extracorporeal carbon dioxide removal (ECCO2R) in a cardiothoracic transplant centre
Abstract Presenter: Victoria Poppy Laxton (London, United Kingdom)

Liver function before ECMO initiation in lung transplantation and outcome
Abstract Presenter: Marta López Sánchez (Santander, Spain)

The efficacy of veno-venous extracorporeal membrane oxygenation for patients with acute respiratory failure
Abstract Presenter: Kentaro Tokuda (Fukuoka, Japan)

Determinants of respiratory drive, effort and driving transpulmonary pressure in early severe ARDS patients undergoing ECMO
Abstract Presenter: Marco Albanese (Ferrara, Italy)

Pulmonary arterial hypertension (PAH) in ARDS patients undergoing veno-venous extracorporeal membrane oxygenation
Abstract Presenter: Carlo Valsecchi (Milano, Italy)

Assisted spontaneous breathing trial during veno-venous extracorporeal membrane oxygenation
Abstract Presenter: Stefano Spina (Milan, Italy)

Accuracy of very low tidal volume delivery from ICU ventilators. A bench study with implications for ventilator setting in ARDS patients under ECMO
Abstract Presenter: Mehdi Mezidi (Lyon, France)

Monitoring invasive and non-invasive ventilation

How to assess FiO2 delivered under oxygen mask in clinical practice?
Abstract Presenter: Remi Coudroy (Poitiers, France)

Electrical activity of the diaphragm in children following extubation after cardiac surgery
Abstract Presenter: Naohiro Shioji (Okayama, Japan)

Value of transcutaneous carbon dioxide monitorization reflecting arterial carbon dioxide measurement in the ICU
Abstract Presenter: Gul Gursel (Ankara, Turkey)

Feasibility of assessing diaphragm and intercostal thickening fraction after extubation: a preliminary study
Abstract Presenter: Martin Dres (Paris, France)

Topographic distribution of lung elastic energy in ventilated patients assessed by computed tomography
Abstract Presenter: Ebba-Louise Skogseid (Uppsala, Sweden)
Scientific Programme

Respiratory mechanics in mechanically ventilated patients with acute respiratory failure: analysis during controlled ventilation versus partial ventilatory support
Abstract Presenter: Jose Manuel Serrano Simón (Cordoba, Spain)

Accuracy of P0.1 displayed by modern ventilators - from bench to patients
Abstract Presenter: Irene Telias (Toronto, Canada)

Evaluation of driving pressure ventilation during surgery
Abstract Presenter: Casiano Groba (Brighton, United Kingdom)

Assessment of neuro-ventilatory drive during pressure support ventilation (PSV): A 12 hours study
Abstract Presenter: Rosa Di Mussi (Bari, Italy)

Prophylaxis post-extubation failure based on peak expiratory flow
Abstract Presenter: Purificación Carmona Sánchez (Córdoba, Spain)

Assessment of a non-invasive respiratory volume monitor in subjects under non-invasive ventilatory support
Abstract Presenter: Domenico Luca Grieco (Rome, Italy)

Evaluation of exhaled carbon dioxide measured by volumetric capnography with a respiratory model mimicking NPPV
Abstract Presenter: Kenya Yarimizu (Yamagata, Japan)

Ultrasound measurements of diaphragm thickening to predict NIV outcome in patients with de-novo ARF admitted to the emergency department: a pilot study
Abstract Presenter: Giovanna Mercurio (Rome, Italy)

A novel face mask design: effect on CO2 rebreathing during non invasive ventilation
Abstract Presenter: Nicolo Patroniti (Lissone, Italy)

Poster Corner
11:10 - 13:00

Multidrug resistance
#micro
Chair: Dirk Donker (Utrecht, Netherlands)
Chair: Gennaro De Pascale (Rome, Italy)

Risk factors for multiresistant bacteria: a Spanish multicentric study
Abstract Presenter: Sulamita Carvalho Brugger (Lleida, Spain)

Successful control of ST101 colistin-resistant carbapenemase - blaOXA-48 producing Klebsiella pneumoniae in a Greek ICU
Abstract Presenter: Angeliki Mavroidi (Athens, Greece)

Detection of multirresistant bacteria on ICU admission
Abstract Presenter: Sulamita Carvalho Brugger (Lleida, Spain)

High-dose colistin combined with continuous veno-venous haemofiltration for treatment of multidrug-resistant Gram-negative infection in critically ill patients
Abstract Presenter: An Verdooit (Brussels, Belgium)
Scientific Programme

Active screening of multi-drug resistant (MDR) bacteria in patients admitted to the ICU. Results after 25 months
Abstract Presenter: Adriana García Herrera (Pamplona, Spain)

Mucoid phenotype and severe infection by klebsiella pneumoniae (MuSIK)
Abstract Presenter: Thomas Fauvet (Limoge, France)

Incidence of extended-spectrum beta-lactamase-producing enterobacteriaceae hospital-acquired infections as an independent factor associated with ICU-mortality: a longitudinal ICU-based surveillance study
Abstract Presenter: Boun Kim Tan (Lyon, France)

The impact of decontamination strategies in ICU-acquired respiratory infections by multidrug resistant pathogens
Abstract Presenter: Celina Gonçalves (Porto, Portugal)

Multi drug resistant bacteria in the critical elderly patients
Abstract Presenter: Juan Higuera (Madrid, Spain)

Complications and morbidity of multidrug-resistant Acinetobacter baumannii infections in the critically ill patient
Abstract Presenter: Raquel Rodríguez García (Oviedo, Spain)

Antimicrobial resistance in a medical ICU, incidence and risk factors
Abstract Presenter: Mohamed Boussarsar (Sousse, Tunisia)

Carbapenemase-producing enterobacteriaceae in the intesive care unit
Abstract Presenter: Mª Isabel Rubio Lopez (Santander, Spain)

Vancomycin-resistant enterococci (VRE) infections in a Tunisian medical ICU: a poor outcome
Abstract Presenter: Takoua Merhebene (Ariana, Tunisia)

Challenges in the immunocompromised patient

#micro

Chair: Olaf Cremer (Utrecht, Netherlands)
Chair: Laura Galarza (Castellon, Spain)

Do admission triage criteria predict 28th-day mortality in critically-ill cancer patients?
Abstract Presenter: Arzu Topeli (Ankara, Turkey)

Neurologic complications of HIV/AIDS in critical care: epidemiological profile of a Colombian cohort
Abstract Presenter: Francisco Molina (Medellín, Colombia)

Should the patients with cancer be admitted to the ICU? A results of a survey involving intensivists and oncologists
Abstract Presenter: Anne-Sophie Moreau (Lille, France)

Critically ill patients with hemoglobinopathies: clinical features, management and outcome
Abstract Presenter: Takoua Merhebene (Ariana, Tunisia)
Scientific Programme

Incidence, risk factors and outcomes of onco-hematological patients in ICU
Abstract Presenter: Pericles Almeida Duarte (Cascavel, Brazil)

Sepsis code in patients with solid and hematological malignancies at a tertiary hospital. Risk factors for mortality
Abstract Presenter: Irene Romera (Barcelona, Spain)

Usefulness of SOFA score as prognosis factor in hematopoietic stem cell transplant recipients admitted to an intensive care unit
Abstract Presenter: Manel Sántafe (Barcelona, Spain)

Impact of trombopenia and neutropenia as a prognostic factor in hematological patients in a critical unit
Abstract Presenter: Gabriela Narváez Chávez (Madrid, Spain)

Hemophagocytic lymphohistiocytosis in intensive care unit
Abstract Presenter: Frantzeska Frantzeskaki (Athens, Greece)

Haematological malignancy on the ICU: retrospective review of outcomes in a single UK centre 2012-2016
Abstract Presenter: Agnieszka Skorko (London, United Kingdom)

The haematological malignancy patient: can we improve the selection for ICU admission?
Abstract Presenter: Umar Azram (Chester, United Kingdom)

Levosimendan in critically ill cancer patients with chemotherapy associated acute heart failure
Abstract Presenter: Tobias Liebregts (Essen, Germany)

Study of total lymphocytes and lymphocyte subpopulations in ICU at admission
Abstract Presenter: María Dolores Arias-Verdú (Malaga, Spain)

Adverse outcomes including sepsis are associated with thrombocytopenia following liver transplantation
Abstract Presenter: Alexa Strachan (London, United Kingdom)

Liver failure: Nutrition and metabolism
#metabolic

Chair: Tony Whitehouse (Birmingham, United Kingdom)
Chair: Katie Lane (London, United Kingdom)

Development of a multivariate prediction model for mortality in a cohort of 1177 critically ill patients with hypoxic hepatitis
Abstract Presenter: Astrid Van den Broecke (Ghent, Belgium)

Epidemiology, cause, evolution and outcome in a cohort of 1177 critically ill patients with hypoxic hepatitis
Abstract Presenter: Laura Van Coile (Ghent, Belgium)
Scientific Programme

Thromboelastometry - relation to the severity of liver cirrhosis in patients considered for liver transplantation
Abstract Presenter: Gabriel Dumitrescu (Stockholm, Sweden)

Cirrhotic patients colonized by candida. Incidence and prognostic
Abstract Presenter: Juan Higuera (Madrid, Spain)

Non-selective beta blockers ameliorate outcome in patients with cirrhosis at the ICU
Abstract Presenter: Thomas Horvatits (Hamburg, Germany)

Acid-base status and its clinical implications in critically ill patients with liver cirrhosis and acute-on-chronic liver failure
Abstract Presenter: Andreas Drolz (Hamburg, Germany)

Critical liver cirrhotic patient who is admitted to an ICU, what can we expect?
Abstract Presenter: Alexander Agrifoglio (Madrid, Spain)

Coagulogramm vs thromboelastogramm tests in patients underwent liver transplantation
Abstract Presenter: Tleuberdi Kuandykov (Almaty, Kazakhstan)

Cholestasis in patients after cardiac arrest
Abstract Presenter: Kevin Roedl (Hamburg, Germany)

What does it mean the elevation of procalcitonin (PCT) after a liver transplant?
Abstract Presenter: Maria Dolores Arias-Verdú (Malaga, Spain)

Acute liver failure due to Amanita phalloides poisoning: single centre experiences
Abstract Presenter: Marek Protuš (Prague, Czech Republic)

Retrospective review of patients with acute on chronic liver failure admitted to 2 British district general hospital intensive care units. Presentation, management and one year mortality
Abstract Presenter: Neeraj Singh (Reading, United Kingdom)

Secondary sclerosing cholangitis in patients with traumatic and non-traumatic brain injury
Abstract Presenter: Jörn Schäper (Göttingen, Germany)

Efficiensy of plasmadsorbtion in patients with mechanical jaundice complicated with liver failure
Abstract Presenter: Galina Titova (Moscow, Russian Federation)

Biomarker of inflammation or dysfunction after graft liver transplant. What c-reactive protein (CRP) means?
Abstract Presenter: Maria Dolores Arias-Verdú (Malaga, Spain)

Rehabilitation and recovery
#ESICMNAHP
Chair: Felix Balzer (Berlin, Germany)
Chair: Janneke Horn (Amsterdam, Netherlands)
The association between family-centered nurse communication and acute stress in the ICU
Abstract Presenter: Freda DeKeyser Ganz (Jerusalem, Israel)

Development of a nurse led ICU follow Up clinic using limited resource
Abstract Presenter: Sally Galt (Aberdeen, United Kingdom)

Introducing early and structured rehabilitation in critical care: a quality improvement project
Abstract Presenter: David McWilliams (Birmingham, United Kingdom)

Timing and feasibility of early mobilization in critically ill patients: a retrospective observational study
Abstract Presenter: Bo Broens (Amsterdam, Netherlands)

Using an intervention mapping approach to reduce the emotional impact of the transmission from an intensive care unit to the follow-up ward for patients and their relatives
Abstract Presenter: Margo van Mol (Rotterdam, Netherlands)

A service development initiative of extended hours working for physiotherapy services in critical care
Abstract Presenter: Owen Gustafson (Oxford, United Kingdom)

A benchmark survey of compliance with National Institute of Clinical Excellence (NICE) clinical guideline 83-rehabilitation after critical illness in adults, in intensive care units within Great Britain
Abstract Presenter: Laura Mylott (London, United Kingdom)

Impact of implementation of protocol of early mobilization in a spanish intensive care unit: a pilot study
Abstract Presenter: Mònica Magret (Tarragona, Spain)

A short structured skills training course for critical care physiotherapists in a lower-middle income country
Abstract Presenter: Rashan Haniffa (Colombo, Sri Lanka)

Does surgical rib fixation affect the rate of pulmonary complications following major trauma?
Abstract Presenter: Tammy Lea (Birmingham, United Kingdom)

A review of mobility practices with orally intubated patients in a UK, general ICU
Abstract Presenter: Jonathan Grant (Oxford, United Kingdom)

Use of ergometric bicycle in ICU cancer patients
Abstract Presenter: Pericles Almeida Duarte (Cascavel, Brazil)

The feasibility of using the Sarah Combilizer ® tilt table in early mobilization in the intensive care unit: an observational study
Abstract Presenter: Kristian O’Reilly Poulsen (Odense C, Denmark)

Predictive value of cerebral oximetry for acute outcomes after pediatric cardiac surgery: a prospective observational study
Abstract Presenter: Marine Flechet (Leuven, Belgium)

Paediatric In-bed cycling: a safety and feasibility evaluation in intensive care
Abstract Presenter: Sarah Sargent (Glasgow, United Kingdom)
Poisoning, toxicology, pharmacology

#trauma

Chair: Frauke Weidanz (Edinburgh, United Kingdom)
Chair: Martin Dünser (London, United Kingdom)

- **Levamisole, a cocaine adulterant, impairs endothelium-dependent relaxation in the rabbit carotid artery**
  Abstract Presenter: Patricia Marchio (Valencia, Spain)

- **2,6-Diisopropylphenol (Propofol) promotes osteoclastic bone resorption by increasing DC-STAMP expression**
  Abstract Presenter: Ji Hyun Cheon (Yangsan, Korea, Republic of)

- **Metformin dose-dependently impairs excretion of the same drug in an isolated perfused porcine kidney model**
  Abstract Presenter: Rene A. Posma (Groningen, Netherlands)

- **Exploring population pharmacokinetic models in patients treated with vancomycin during continuous venovenous haemodiafiltration (CVVHDF) on different anticoagulant modalities**
  Abstract Presenter: Mary Coyle (Dublin, Ireland)

- **Effects of acute acetyl cholinesterase inhibition on thyroid hormonal status**
  Abstract Presenter: Cristian Cobilinschi (Bucharest, Romania)

- **Acute tramadol intoxication in addicted patients**
  Abstract Presenter: Amira Ben Jazia (Tunis, Tunisia)

- **Clinical, toxicological and therapeutic characteristics of phenobarbital poisoning**
  Abstract Presenter: Takoua Khzouri (Tunis, Tunisia)

- **Baclofen poisoning: an epidemiological retrospective study in a Tunisian intensive care unit**
  Abstract Presenter: Amira Ben Jazia (Tunis, Tunisia)

- **Drug related adverse events in activation of Inha University Hospital Rapid Response Team**
  Abstract Presenter: Jaehwa Cho (Incheon, Korea, Republic of)

- **Epidemiological profile of acute poisoning during pregnancy**
  Abstract Presenter: Meriem Fatnassi (Tunis, Tunisia)

- **Acetaminophen inhibits complex I-related mitochondrial function in human platelets and hepatocytes**
  Abstract Presenter: Sarah Piel (Lund, Sweden)

- **Metformin Associated Lactic Acidosis (MALA) - analysis of patients admitted in the Intensive care unit**
  Abstract Presenter: Nuno Zarcos Palma (Penafiel, Portugal)

- **Pharmacokinetics and pharmacodynamics of paracetamol in critical care patients: an observational study**
  Abstract Presenter: Rachel Howarth (Preston, United Kingdom)

- **Design and synthesis of a Salbutamol-boron compound and the effect on smooth muscle as a possible therapeutic option in obstructive respiratory diseases**
  Abstract Presenter: Marcos Antonio Amezcua Gutierrez (Mexico, Mexico)
Scientific Programme

Poster Corner
11:10 - 13:00

Sepsis: Miscellaneous issues

#sepsis

Chair: George Dimopoulos (Athens, Greece)
Chair: Beatriz Lobo Valbuena (Madrid, Spain)

- **Postoperative lymphopenia: an independent risk factor for postoperative pneumonia after lung cancer surgery**
  Abstract Presenter: Laura Flory (Saint Etienne, France)

- **New diagnostic strategy of sepsis induced disseminated intravascular coagulation (SEDIC): a validation study**
  Abstract Presenter: Taisuke Kitamura (Fukuoka, Japan)

- **Time course of septic shock in immunocompromised and non-immunocompromised patients**
  Abstract Presenter: Matthieu Jamme (Paris, France)

- **Impact of chronic hypertension on time to goal mean arterial pressure and clinical outcomes in critically ill patients with septic shock requiring vasopressors**
  Abstract Presenter: Qiu Min Yeo (Little Rock, United States)

- **Thyroid function in septic patients and their prognosis**
  Abstract Presenter: A. García-de la Torre (Málaga, Spain)

- **Influence on outcome of microbiological documentation of sepsis patients detected by a sepsis team in a teaching hospital**
  Abstract Presenter: Rafael Zaragoza (Valencia, Spain)

- **Endotoxin and cytokine elimination in patients with septic shock: an observation study**
  Abstract Presenter: Mikhail Kiselevskiy (Moscow, Russian Federation)

- **Effect of two levels of mean arterial pressure on microcirculatory reserve in septic shock patients**
  Abstract Presenter: Mathieu Jozwiak (Le Kremlin Bicêtre, France)

- **Inflammatory mediators and coagulation in heat stroke**
  Abstract Presenter: Antonia Vázquez-Sánchez (Barcelona, Spain)

- **The relationship between serum zinc level and coagulation system in sepsis-induced coagulopathy**
  Abstract Presenter: Yuhei Irie (Fukuoka, Japan)

- **Effects of different vasoactive drugs on global and intestinal perfusion during endotoxic shock in rabbits**
  Abstract Presenter: Neymar de Oliveira (São José do Rio Preto, Brazil)

- **Real-time qSOFA predicts critical care admission and hospital mortality in sepsis**
  Abstract Presenter: Aminah Ahmad (London, United Kingdom)

- **Metabolic acidosis in patients with sepsis**
  Abstract Presenter: Ioannis Vasileiadis (Athens, Greece)

- **Mean platelet volume and its ratio to platelet count as a prognostic marker in septic patients**
  Abstract Presenter: Alejandro Ortín Freire (Cartagena, Spain)
Scientific Programme

NEXT Lounge
11:50 - 12:50

Research studies

#ESICMNEXT

Chair: Burcin Halacli (Ankara, Turkey)
Chair: Peter Schellongowski (Vienna, Austria)

Presentation of research studies - Pitches by research PG course teams 11:50

Thematic Session
12:00 - 14:00

Guiding fluid therapy

#cardio

Chair: Azriel Perel (Tel Aviv, Israel)
Chair: Bernard Cholley (Paris, France)
Twitter Chair: Jamie Strachan (Oxford, United Kingdom)

Lessons from FENICE
Speaker: Maurizio Cecconi (London, United Kingdom)
Discussion 12:00

Are static measures still useful?
Speaker: Sheldon Magder (Montreal, Canada)
Discussion 12:20

PPV con
Speaker: Philippe Vignon (Limoges, France)
Discussion 12:40

PPV pro
Speaker: Jean-Louis Teboul (Kremlin-Bicetre, France)
Discussion 12:55

How should we perform passive leg raising properly?
Speaker: Xavier Monnet (Paris, France)
Discussion 13:20

How should we perform a fluid challenge properly?
Speaker: Hollmann Aya Bernal (London, United Kingdom)
Discussion 13:40
Thematic Session
12:00 - 14:00

**Mechanical ventilation: Under pressure**

#lung

Chair: Giacomo Bellani (Monza, Italy)
Chair: Geoffrey Bellingan (London, United Kingdom)
Twitter Chair: Olusegun Oladele Olusanya (Aylesbury, United Kingdom)

**Driving pressure really adds something to our current practice: PRO**

Speaker: Arthur Slutsky (Toronto, Canada)
Discussion

**Driving pressure really adds something to our current practice: CON**

Speaker: Luciano Gattinoni (Milan, Italy)
Discussion

**We should use recruitment maneuvers: PRO**

Speaker: Lise Piquilloud (Lausanne, Switzerland)
Discussion

**We should use recruitment maneuvers: CON**

Speaker: Claude Guérin (Lyon, France)
Discussion

**PaCO2: Let it rise!**

Speaker: John Laffey (Toronto, Canada)
Discussion

**PaCO2: Keep it low!**

Speaker: Marco Ranieri (Rome, Italy)
Discussion

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Thematic Session
12:00 - 14:00

**Individualised therapy in neurocritical care**

#neuro

Chair: Nino Stocchetti (Milan, Italy)
Chair: Jose Suarez (Houston, United States)

**Increased ICP**

Speaker: Geert Meyfroidt (Leuven, Belgium)
Discussion

**Glucose levels**

Speaker: Pedro Kurtz (Rio de Janeiro, Brazil)
Scientific Programme

Discussion 12:35

Perfusion pressure 12:40
Speaker: Chiara Robba (Cambridge, United Kingdom)

Discussion 12:55

Transfusion strategies 13:00
Speaker: Pierre Bouzat (Grenoble, France)

Discussion 13:15

Target temperature 13:20
Speaker: Raimund Helbok (Innsbruck, Austria)

Discussion 13:35

Ventilatory management 13:40
Speaker: Hervé Quintard (Nice, France)

Discussion 13:55

Thematic Session
12:00 - 14:00 Athens

Perioperative cardiac problems

#periop
Chair: Bernd Saugel (Hamburg, Germany)
Chair: Sascha Treskatsch (Berlin, Germany)

Vasopressors for patients with vasoplegic post-op shock 12:00
Speaker: Ludhmila Hajjar (Sao Paulo, Brazil)

Discussion 12:15

How to identify high risk patients - The role of troponin 12:20
Speaker: Andreas Hoeft (Bonn, Germany)

Discussion 12:35

Which haemodynamic monitoring in cardiac surgery patients? 12:40
Speaker: Daniel A. Reuter (Hamburg, Germany)

Discussion 12:55

How to manage unstable cardiac surgical patients 13:00
Speaker: Marit Habicher (Berlin, Germany)

Discussion 13:15

PGDT, inotropes and cardiac problems - An update 13:20
Speaker: Thomas Scheeren (Groningen, Netherlands)

Discussion 13:35
Scientific Programme

To lyse or not to lyse - Postop pulmonary embolism 13:40
Speaker: Ib Jammer (Bergen, Norway)
Discussion 13:55

Thematic Session 12:00 - 14:00  Barcelona

Critical issues in pneumonia

#micro
Chair: Jean-François Timsit (Paris, France)
Chair: Antoni Torres (Barcelona, Spain)

How to use diagnostics in suspected pneumonia 12:00
Speaker: Jordi Rello (Barcelona, Spain)
Discussion 12:15

The final word on ventilator-associated tracheobronchitis? 12:20
Speaker: Antonio Artigas (Barcelona, Spain)
Discussion 12:35

The role of the microbiome in pneumonia 12:40
Speaker: Marcus Schultz (Amsterdam, Netherlands)
Discussion 12:55

Key elements in HAP/VAP antibiotic treatment 13:00
Speaker: Antoni Torres (Barcelona, Spain)
Discussion 13:15

Inhaled antibiotics for respiratory tract infections 13:20
Speaker: Jean Chastre (Paris, France)
Discussion 13:35

What is new in CAP? 13:40
Speaker: Despoina Koulenti (Brisbane, Australia)
Discussion 13:55

Thematic Session 12:00 - 14:00  Lisbon

Sedatives in the ICU

#outcomes
Chair: Fabio Silvio Taccone (Brussels, Belgium)
Chair: Andreas Valentin (Schwarzach, Austria)
**Scientific Programme**

**Less is more**
Speaker: Thomas Strøm (Odense, Denmark)  
12:00

**Discussion**  
12:15

**Use of benzodiazepines and propofol**
Speaker: Armand Girbes (Amsterdam, Netherlands)  
12:20

**Discussion**  
12:35

**Use of dexmedetomidine**
Speaker: Gavin Joynt (Hong Kong, Hong Kong, China)  
12:40

**Discussion**  
12:55

**Use of isoflurane (AnaConDa)**
Speaker: Hans Flaatten (Bergen, Norway)  
13:00

**Discussion**  
13:15

**Sedation stop and protocolled sedation**
Speaker: Sangeeta Mehta (Toronto, Canada)  
13:20

**Discussion**  
13:35

**Cardiovascular effects of sedatives**
Speaker: Jan Bakker (Rotterdam, Netherlands)  
13:40

**Discussion**  
13:55

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**Thematic Session**
12:00 - 14:00

**Global challenges: Are we ready?**

**Opportunities and challenges by the WHO/WHA Sepsis Resolution**
Speaker: Mitchell Levy (Providence, United States)  
12:00

**Discussion**  
12:15

**Multidrug resistance**
Speaker: Jan De Waele (Ghent, Belgium)  
12:20

**Discussion**  
12:35

**Changing practice through research: Are we fast enough?**
Speaker: Howard Bauchner (Boston, United States)  
12:40

**Discussion**  
12:55

**Translating guidelines into practice**
Speaker: Ricard Ferrer Roca (Barcelona, Spain)  
13:00
Scientific Programme

Discussion 13:15
Adapting our workforce to demand/future proofing 13:20
Speaker: Ruth Kleinpell (Chicago, United States)

Discussion 13:35
Global ageing: Selecting the right patient and supporting the survivors 13:40
Speaker: Margaret Herridge (Toronto, Canada)

Discussion 13:55

Thematic Session
12:00 - 14:00 Milan

Research in ethics

#ethic
Chair: Rik Gerritsen (Leeuwarden, Netherlands)
Chair: Doug White (Pittsburgh, United States)

EuroQ2: Improve the quality of care for the dying 12:00
Speaker: Rik Gerritsen (Leeuwarden, Netherlands)

Discussion 12:15
Treatment limitations after prolonged ICU admission 12:20
Speaker: Diederik van Dijk (Utrecht, Netherlands)

Discussion 12:35
Ethicus II 12:40
Speaker: Charles L. Sprung (Jerusalem, Israel)

Discussion 12:55
Dispropricus 13:00
Speaker: Dominique Benoit (Ghent, Belgium)

Discussion 13:15
Improving communication about serious illness 13:20
Speaker: J. Randall Curtis (Seattle, United States)

Discussion 13:35
Important ethical papers 13:40
Speaker: Victoria Metaxa (London, United Kingdom)

Discussion 13:55
Scientific Programme

Thematic Session
12:00 - 14:00

Micronutrients and vitamins
#metabolic
Chair: Karin Amrein (Graz, Austria)
Chair: Michael Hiesmayr (Vienna, Austria)

Vitamin D
Speaker: Karin Amrein (Graz, Austria)
12:00

Discussion
12:15

Glutamine
Speaker: Olav Rooyackers (Stockholm, Sweden)
12:20

Discussion
12:35

Arginine & citrulline
Speaker: Annika Reintam Blaser (Tartu, Estonia)
12:40

Discussion
12:55

Trace elements (Cu, Se, Zc)
Speaker: Mette Berger (Lausanne, Switzerland)
13:00

Discussion
13:15

Iron
Speaker: Sigismond Lasocki (Angers, France)
13:20

Discussion
13:35

Not separate, but a mix of all
Speaker: Jan Wernerman (Stockholm, Sweden)
13:40

Discussion
13:55

Tech Lounge
12:00 - 13:00

Open discussion & brainstorming: the analytics research agenda
#tech

Discussion and brainstorming session
Speaker: Marius Terblanche (London, United Kingdom)
Speaker: Theodoros Kyrianou (Nicosia, Cyprus)
Speaker: Mervyn Singer (London, United Kingdom)
Scientific Programme

LIVES Interactive Debates
12:15 - 13:15

Vitamin C: We need proper evidence

MEN/HSRO

#metabolic#outcomes

Chair: Jozef Kesecioglu (Utrecht, Netherlands)

Debate
12:15
Speaker: Paul Marik (Virginia, United States)
Speaker: Margaret Herridge (Toronto, Canada)
Speaker: Kenneth Christopher (Boston, United States)

NEXT Lounge
13:00 - 14:00

Winners

#ESICMNEXT

Chair: Massimo Antonelli (Rome, Italy)
Chair: Björn Weiss (Berlin, Germany)
Chair: Peter Schellongowski (Vienna, Austria)
Chair: Burcin Halacli (Ankara, Turkey)
Chair: Steven Thiessen (Leuven, Belgium)

Winners
13:00

Hot Topics Session
14:10 - 17:20

Hot Topics Session

#LIVES2017

Chair: Massimo Antonelli (Rome, Italy)
Chair: Howard Bauchner (Boston, United States)
Twitter Chair: Stephen Shepherd (London, United Kingdom)
Twitter Chair: Richard Siviter (Reading, United Kingdom)

Award winners
14:10
Speaker: Lui Forni (Surrey, United Kingdom)

Breathe trial
14:40
Speaker: Gavin Perkins (Coventry, United Kingdom)

Discussion
14:55

Individualised blood-pressure target in patients during major surgery (INPRESS study)
15:00
Speaker: Samir Jaber (Montpellier, France)

Discussion
15:15
Randomised controlled trial of standard issue transfusion versus fresher red blood cell use in intensive care (TRANSFUSE study)
Speaker: Jamie Cooper (Melbourne, Australia)
15:20

Discussion
15:35

Prophylactic haloperidol for critically ill adults with a high risk for delirium: The REDUCE study
Speaker: Mark van den Boogaard (Nijmegen, Netherlands)
15:40

Discussion
15:55

Large-scale international randomised controlled trial named ART
Speaker: Alexandre B. Cavalcanti (São Paulo, Brazil)
16:00

Discussion
16:15

Multi center RCT of mandated ICU use for elderly patients versus "normal" ICU admission practices
Speaker: Bertrand Guidet (Paris, France)
16:20

Discussion
16:35

Single center RCT from Zambia of EGDT for septic shock showing harm
Speaker: Todd Rice (Nashville, United States)
16:40

Discussion
16:55

SUPERNOVA pilot trial
Speaker: Alain Combes (Paris, France)
Speaker: Marco Ranieri (Rome, Italy)
17:00

Discussion
17:15