

## Scientific Programme

### Saturday, 20 October 2018

---

Master Class  
08:30 - 10:15

Stockholm

#### EDIC I Refresher course: Cardiovascular

#LIVES2018

Chair: Jean-Louis Teboul (Kremlin-Bicetre, France)  
Chair: Frantisek Duska (Prague, Czech Republic)

<b>Introduction</b>	<b>08:30</b>
Speaker: Pascale Gruber (London, United Kingdom)	
<b>Managing the failing heart</b>	<b>08:40</b>
Speaker: Michael Pinsky (Pittsburgh, United States)	
<b>Discussion</b>	<b>09:00</b>
<b>Haemodynamic monitoring</b>	<b>09:05</b>
Speaker: Bernd Saugel (Hamburg, Germany)	
<b>Discussion</b>	<b>09:25</b>
<b>Pulmonary hypertension</b>	<b>09:30</b>
Speaker: Marco Maggiorini (Zurich, Switzerland)	
<b>Discussion</b>	<b>09:50</b>
<b>Challenge yourself: CVS MCQs with interactive discussion and voting</b>	<b>09:55</b>
Speaker: Jerome Cockings (Reading, United Kingdom)	

Master Class  
08:30 - 10:50

BM1

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

#ESICMNEXT

<b>Defining the hypothesis (literature search and critical analysis)</b>	<b>08:30</b>
Speaker: Hannah Wunsch (Toronto, Canada)	
<b>Study design</b>	<b>09:00</b>
Speaker: Harald Herkner (Vienna, Austria)	
<b>Meta-analyses in Critical Care</b>	<b>09:30</b>
Speaker: Harald Herkner (Vienna, Austria)	
<b>Which control group?</b>	<b>10:00</b>
Speaker: Hannah Wunsch (Toronto, Canada)	
<b>Discussion / Coffee break</b>	<b>10:30</b>

## Scientific Programme

Master Class  
08:45 - 10:00

Lisbon I

### Antibiotic PK/PD in ICU clinical practice: Basics of antimicrobial use

#micro

#### Principles of PK/PD: The basics

08:45

Speaker: Jan De Waele (Ghent, Belgium)

#### PK/PD changes in the critically ill patient

09:10

Speaker: Barbara Borgatta (Oxford, United Kingdom)

#### How to read a PK/PD paper

09:35

Speaker: Barbara Borgatta (Oxford, United Kingdom)

Master Class  
09:00 - 10:30

Lisbon II

### Metabolism, nutrition: Challenges at the bedside - Nutrition at the basic level

#metabolic

#### Energy needs and nutritional status

09:00

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

#### Gastrointestinal dysfunction

09:20

Speaker: Annika Reintam Blaser (Tartu, Estonia)

#### How to monitor nutrition?

09:40

Speaker: Jan Wernerman (Stockholm, Sweden)

#### Advantages of enteral vs parenteral nutrition

10:10

Speaker: Arthur van Zanten (Ede, Netherlands)

Master Class  
09:00 - 10:30

Athens

### Basic course in echocardiography

#cardio

#### Basic competences in GCCUS: What should every intensivist know?

09:00

Speaker: Bernard Cholley (Paris, France)

#### 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)

## Scientific Programme

Master Class  
09:00 - 10:40

Glasgow

### Septic shock management: Sepsis, the syndrome

#sepsis

#### Update on sepsis biomarkers

09:00

Speaker: Yasser Sakr (Jena, Germany)

#### Molecular sepsis diagnostics, real tools?

09:25

Speaker: Michael Bauer (Jena, Germany)

#### Steroids again and again

09:50

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

#### Therapies in the pipeline

10:15

Speaker: Nathan D. Nielsen (New Orleans, United States)

Master Class  
09:00 - 10:40

Amsterdam

### Mechanical Ventilation: From basics to advanced treatment

#lung

#### Controlled mechanical ventilation settings: Basics

09:00

Speaker: Giacomo Bellani (Monza, Italy)

#### How to assess respiratory mechanics at the bedside

09:20

Speaker: Claude Guérin (Lyon, France)

#### Strategies to set PEEP and to achieve lung recruitment

09:40

Speaker: Luigi Camporota (London, United Kingdom)

#### Clinical case history: Respiratory mechanics to guide ventilatory settings

10:10

Speaker: Alain Mercat (Angers, France)

Master Class  
09:00 - 09:30

BM6

### Advanced course in echocardiography: Critical care echocardiography

#cardio

#### Overview of critical care echocardiography

09:00

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

## Scientific Programme

Master Class  
09:30 - 13:30

BM6

### Advanced course in echocardiography: LV systolic function

#cardio

#### 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)

#### Cases/discussion

11:15

Speaker: Michel Slama (Amiens, France)

#### Lunch break

11:45

#### European Diploma: How does it work?

13:00

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

Master Class  
10:00 - 10:45

Lisbon I

### Antibiotic PK/PD in ICU clinical practice: PK/PD optimisation (interactive rapid-fire sessions)

#micro

#### Continuous vs. extended infusion: Why and when?

10:00

Speaker: Fredrik Sjövall (Malmö, Sweden)

#### Antibiotic bolus: When and how?

10:15

Speaker: Claire Roger (Nîmes, France)

#### When to increase the dose

10:30

Speaker: Jeffrey Lipman (Brisbane, Australia)

Master Class  
10:40 - 12:40

Stockholm

### EDIC I Refresher course: Respiratory & airways management

#LIVES2018

Chair: Carl Waldmann (Reading, United Kingdom)

Chair: Hans Ulrich Rothen (Bern, Switzerland)

#### Role of NIV/High-flow-nasal oxygen therapy

10:40

Speaker: Luigi Camporota (London, United Kingdom)

#### Discussion

11:00

## Scientific Programme

<b>Weaning from mechanical ventilation</b>	<b>11:05</b>
Speaker: Davide Chiumello (Milan, Italy)	
<b>Discussion</b>	<b>11:25</b>
<b>Update on ARDS</b>	<b>11:30</b>
Speaker: Claude Guérin (Lyon, France)	
<b>Discussion</b>	<b>11:50</b>
<b>Rescue of refractory hypoxia</b>	<b>11:55</b>
Speaker: Francesca Rubulotta (London, United Kingdom)	
<b>Discussion</b>	<b>12:15</b>
<b>Challenge yourself: Respiratory MCQs with interactive discussion and voting</b>	<b>12:20</b>
Speaker: Stephen Shepherd (London, United Kingdom)	

Master Class  
10:50 - 13:30

BM1

### ICM Research: Everything you need for a cracking start! - Performing the study

#ESICMNEXT

<b>Grant writing: What needs to go into an application, what funders want, how grant panels think</b>	<b>10:50</b>
Speaker: Roland Francis (Berlin, Germany)	
<b>Establishing the endpoint - what (if any) is the best one to use in ICM research?</b>	<b>11:20</b>
Speaker: Lui Forni (Surrey, United Kingdom)	
<b>Sample size calculation: A balance between power and feasibility</b>	<b>11:50</b>
Speaker: Giacomo Bellani (Monza, Italy)	
<b>Randomisation strategies and alternatives</b>	<b>12:20</b>
Speaker: Hannah Wunsch (Toronto, Canada)	
<b>Discussion / Lunch break</b>	<b>12:50</b>

Master Class  
11:00 - 12:45

Lisbon I

### Antibiotic PK/PD in ICU clinical practice: PK/PD in special situations (rotating workshops)

#micro

<b>AKI and RRT</b>	<b>11:00</b>
Speaker: Jeffrey Lipman (Brisbane, Australia)	
<b>ECMO and liver support systems</b>	<b>11:25</b>
Speaker: Hendrik Bracht (Ulm, Germany)	

## Scientific Programme

**AMR** 11:50

Speaker: Jordi Rello (Barcelona, Spain)

**Obesity** 12:15

Speaker: Claire Roger (Nimes, France)

Master Class  
11:00 - 13:00

Lisbon II

### **Metabolism, nutrition: Challenges at the bedside - Clinical cases: Challenges for feeding in special conditons**

#metabolic

**Intestinal fistulae** 11:00

Speaker: Joel Starkopf (Tartu, Estonia)

**Severe diarrhea** 11:30

Speaker: Annika Reintam Blaser (Tartu, Estonia)

**Liver failure** 12:00

Speaker: Valentin Fuhrmann (Hamburg, Germany)

**Pancreatitis** 12:30

Speaker: Joel Starkopf (Tartu, Estonia)

Master Class  
11:00 - 12:30

Athens

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

#cardio

**How to recognize severe left ventricular dysfunction (hypo & hyperkinesia)?** 11:00

Speaker: Bernard Cholley (Paris, France)

**Pericardial effusion & tamponade** 11:15

Speaker: Armand Mekontso Dessap (Créteil, France)

**How to recognize a failing right ventricle?** 11:30

Speaker: Antoine Vieillard-Baron (Boulogne, France)

**Massive valvular regurgitation: How to identify the problem?** 11:45

Speaker: Diane Zlotnik (Paris, France)

**Wall motion abnormalities** 12:00

Speaker: Gorazd Voga (Celje, Slovenia)

**Inferior vena cava: How to measure? How to interpret? Limits** 12:15

Speaker: Bernard Cholley (Paris, France)

## Scientific Programme

Master Class  
11:00 - 12:30

Vienna

### Basic course in echocardiography: Group A

#cardio

#### Hands-on

Speaker: Eric Maury (Paris, France)

#### Hands-on

Speaker: Daniel Lichtenstein (Paris, France)

#### Hands-on

Speaker: Yanick Beaulieu (Montreal, Canada)

#### Hands-on

Speaker: Filippo Sanfilippo (Catania, Italy)

#### Hands-on

Speaker: Laurent Zieleskiewicz (Paris, France)

#### Hands-on

Speaker: Samy Figueiredo (Paris, France)

#### Hands-on

Speaker: Belaïd Bouhemad (Dijon, France)

#### Hands-on

Speaker: Martin Balik (Prague, Czech Republic)

Master Class  
11:00 - 12:30

Brussels

### Basic course in echocardiography: Group C

#cardio

#### Clinical case on severe LV dysfunction

11:00

Speaker: Nick Fletcher (London, United Kingdom)

#### Clinical cases showing images of normal and failing RV

11:15

Speaker: Xavier Repesse (Paris, France)

#### Regional wall motion abnormalities, obvious cases, major territories (anterior, inferior, lateral)

11:30

Speaker: Michelle Chew (Malmö, Sweden)

#### Clinical cases of pericardial effusion, tamponade or not?

11:45

Speaker: Nick Fletcher (London, United Kingdom)

#### Clinical cases on valvular regurgitation (TTE, 2D and color Doppler only)

12:00

Speaker: Fernando Clau-Terré (Barcelona, Spain)

#### Clinical cases with inferior vena cava

12:15

Speaker: Michel Slama (Amiens, France)

## Scientific Programme

Master Class  
11:00 - 12:40

Glasgow

### Septic shock management: Sepsis, case-based discussions

#sepsis

#### Source control - A key issue

11:00

Speaker: Ricard Ferrer Roca (Barcelona, Spain)

#### The failing liver

11:25

Speaker: Michael Bauer (Jena, Germany)

#### The failing kidney

11:50

Speaker: Marlies Ostermann (London, United Kingdom)

#### The failing immune system

12:15

Speaker: Peter Pickkers (Nijmegen, Netherlands)

Master Class  
11:00 - 13:00

Amsterdam

### Mechanical Ventilation: From basics to advanced treatment

#lung

#### Hands-on session 1 - Controlled ventilation: The basics

11:00

Speaker: Guillaume Carteaux (Paris, France)

Speaker: Giacomo Grasselli (Milan, Italy)

Speaker: Martin Dres (Paris, France)

Speaker: Luigi Camporota (London, United Kingdom)

Speaker: Giuseppe Foti (Monza, Italy)

#### Practical examples waveform interpretation 1

12:00

Speaker: Ewan Goligher (Toronto, Canada)

#### Assisted mechanical ventilation settings: Basics

12:20

Speaker: Leo Heunks (Nijmegen, Netherlands)

#### Heart lung interaction during controlled ventilation

12:40

Speaker: Antoine Vieillard-Baron (Boulogne, France)

Master Class  
12:15 - 14:05

BM5

### EDIC II Preparation course

#LIVES2018

#### Introduction (How EDIC II works)

12:15

Speaker: Francesca Rubulotta (London, United Kingdom)

#### Exam statistics

12:40

Speaker: Petr Waldauf (Prague, Czech Republic)



## Scientific Programme

**CBA Video** 13:00

**Curves 1: ECG** 13:15

Speaker: Adrian Wong (London, United Kingdom)

**Curves 2: Pressure waves** 13:45

Speaker: Hans Flaatten (Bergen, Norway)

Master Class  
12:15 - 14:30

iLumens Paris Descartes

### When ICU enhances postoperative recovery

#periop

This Master Class will be held at:

iLumens Site Paris 5  
Université Paris Descartes  
45 rue des Saints Pères  
75006 Paris, France

**Introduction and welcome** 12:15

Speaker: Ib Jammer (Bergen, Norway)

**How to set up a Periop ERAS programme** 12:30

Speaker: Aarne Feldheiser (Berlin, Germany)

**How to stimulate the brain to enhance recovery** 13:00

Speaker: Arjen Slooter (Utrecht, Netherlands)

**Team training in periop ICU - CRM and simulation tools** 13:30

Speaker: Antoine Tesnière (Paris, France)

**Patient and hospital factors that influence short and long term survival after surgery** 14:00

Speaker: Mike Gillies (Edinburgh, United Kingdom)

Master Class  
13:30 - 15:30

Stockholm

### EDIC I Refresher course: Sepsis & inflammation

#LIVES2018

Chair: Francesca Rubulotta (London, United Kingdom)  
Chair: Ignacio Martin-Loeches (Dublin, Ireland)

**Infections in the immunocompromised patient** 13:30

Speaker: Pascale Gruber (London, United Kingdom)

**Discussion** 13:50

## Scientific Programme

<b>Optimising antibiotic dosing</b>	<b>13:55</b>
Speaker: Despoina Koulenti (Brisbane, Australia)	
<b>Discussion</b>	<b>14:15</b>
<b>Applying and monitoring source control in infections</b>	<b>14:20</b>
Speaker: Ahmed ElHaddad (London, United Kingdom)	
<b>Discussion</b>	<b>14:40</b>
<b>Update on sepsis</b>	<b>14:45</b>
Speaker: Yasser Sakr (Jena, Germany)	
<b>Discussion</b>	<b>15:05</b>
<b>Challenge yourself: Sepsis MCQs with interactive discussion and voting</b>	<b>15:10</b>
Speaker: Armand Girbes (Amsterdam, Netherlands)	

Master Class  
13:30 - 14:45

Lisbon I

### Antibiotic PK/PD in ICU clinical practice: Outcomes of PK/PD interventions

#micro

<b>Target non-attainment</b>	<b>13:30</b>
Speaker: Jan De Waele (Ghent, Belgium)	
<b>Therapeutic drug monitoring</b>	<b>13:55</b>
Speaker: Lennie Derde (Utrecht, Netherlands)	
<b>Population pharmacokinetic modelling</b>	<b>14:20</b>
Speaker: Claire Roger (Nimes, France)	

Master Class  
13:30 - 15:00

Lisbon II

### Metabolism, nutrition: Challenges at the bedside - Interactive session: Endocrine dysfunctions in ICU

#metabolic

<b>Adrenal gland</b>	<b>13:30</b>
Speaker: Karim Asehnoune (Nantes, France)	
<b>Thyroid gland</b>	<b>14:00</b>
Speaker: Michael Casaer (Leuven, Belgium)	
<b>ADH inappropriate secretion</b>	<b>14:30</b>
Speaker: Hervé Quintard (Nice, France)	

## Scientific Programme

Master Class  
13:30 - 15:00

Athens

### Basic course in echocardiography: Group C

#cardio

**How to recognize severe left ventricular dysfunction (hypo & hyperkinesia)?** **13:30**

Speaker: Bernard Cholley (Paris, France)

**How to recognize a failing right ventricle?** **13:45**

Speaker: Antoine Vieillard-Baron (Boulogne, France)

**Pericardial effusion & tamponade** **14:00**

Speaker: Armand Mekontso Dessap (Créteil, France)

**Massive valvular regurgitation: How to identify the problem?** **14:15**

Speaker: Diane Zlotnik (Paris, France)

**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)

Master Class  
13:30 - 15:00

Vienna

### Basic course in echocardiography: Group B

#cardio

#### Hands-on

Speaker: Eric Maury (Paris, France)

#### Hands-on

Speaker: Daniel Lichtenstein (Paris, France)

#### Hands-on

Speaker: Yanick Beaulieu (Montreal, Canada)

#### Hands-on

Speaker: Laurent Zieleskiewicz (Paris, France)

#### Hands-on

Speaker: Filippo Sanfilippo (Catania, Italy)

#### Hands-on

Speaker: Samy Figueiredo (Paris, France)

#### Hands-on

Speaker: Belaïd Bouhemad (Dijon, France)

#### Hands-on

Speaker: Martin Balik (Prague, Czech Republic)

## Scientific Programme

Master Class  
13:30 - 15:00

Brussels

### 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 color Doppler only)** **14:30**

Speaker: Fernando Clau-Terré (Barcelona, Spain)

**Clinical cases with inferior vena cava** **14:45**

Speaker: Michel Slama (Amiens, France)

Master Class  
13:30 - 15:10

Glasgow

### Septic shock management: Sepsis, therapeutics

#sepsis

**Antimicrobial PK and PD** **13:30**

Speaker: Jeffrey Lipman (Brisbane, Australia)

**Precision medicine in treating sepsis** **13:55**

Speaker: Ricard Ferrer Roca (Barcelona, Spain)

**Multidrug resistance - Epidemiology - Implications for practice** **14:20**

Speaker: Jeroen Schouten (Radboud, Netherlands)

**Adjunct therapies** **14:45**

Speaker: Massimo Girardis (Modena, Italy)

Master Class  
13:30 - 15:50

BM1

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

#ESICMNEXT

**Planning statistical analysis** **13:30**

Speaker: Daniele Poole (Belluno, Italy)

## Scientific Programme

<b>Data collection: What, how and when</b>	<b>14:00</b>
Speaker: Felix Balzer (Berlin, Germany)	
<b>Big Data (cooperation with the TechLounge)</b>	<b>14:30</b>
Speaker: Felix Balzer (Berlin, Germany)	
<b>Defining the right population</b>	<b>15:00</b>
Speaker: Howard Bauchner (Boston, United States)	
<b>Discussion / Coffee break</b>	<b>15:30</b>
Master Class 13:30 - 17:00	BM6
<b>Advanced course in echocardiography: LV diastolic function</b>	
#cardio	
<b>Echo parameters</b>	<b>13:30</b>
Speaker: Michel Slama (Amiens, France)	
<b>What is known in the different clinical situations in the ICU?</b>	<b>14:15</b>
Speaker: Anthony McLean (Sydney, Australia)	
<b>Coffee break</b>	<b>14:30</b>
<b>Cases/discussion</b>	<b>15:00</b>
Speaker: Philippe Vignon (Limoges, France)	
<b>Pericardial disease and echo</b>	<b>15:45</b>
Speaker: Armand Mekontso Dessap (Créteil, France)	
Master Class 14:00 - 16:20	Amsterdam
<b>Mechanical Ventilation: From basics to advanced treatment</b>	
#lung	
<b>How to assess respiratory mechanics and patient's effort during assisted mechanical ventilation</b>	<b>14:00</b>
Speaker: Antonio Pesenti (Milan, Italy)	
<b>Patient-ventilator interaction during assisted mechanical ventilation</b>	<b>14:20</b>
Speaker: Laurent Brochard (Toronto, Canada)	
<b>Impact of mechanical ventilation on respiratory muscles</b>	<b>14:40</b>
Speaker: Samir Jaber (Montpellier, France)	
<b>Non conventional forms of ventilation: APRV/PAV/NAVA</b>	<b>15:00</b>
Speaker: Lise Piquilloud (Lausanne, Switzerland)	

## Scientific Programme

### Hands-on session 2 - Assisted ventilation: The basics

15:20

Speaker: Luigi Camporota (London, United Kingdom)  
Speaker: Martin Dres (Paris, France)  
Speaker: Guillaume Carteaux (Paris, France)  
Speaker: Giacomo Grasselli (Milan, Italy)  
Speaker: Giuseppe Foti (Monza, Italy)

Master Class  
14:20 - 15:45

BM5

### EDIC II Preparation course

#LIVES2018

#### Curves 3: Ventilator screens

14:20

Speaker: Petr Waldauf (Prague, Czech Republic)

#### Biochemistry 1: Advanced acid-base

15:00

Speaker: Frantisek Duska (Prague, Czech Republic)

Master Class  
15:00 - 17:00

Lisbon I

### Antibiotic PK/PD in ICU clinical practice: Applying PK/PD concepts: How to use...

#micro

#### Betalactams - Focus on Piperacillin/tazobactam

15:00

Speaker: Barbara Borgatta (Oxford, United Kingdom)

#### Carbapenems- Focus on Meropenem

15:20

Speaker: Hendrik Bracht (Ulm, Germany)

#### Glycopeptides - Focus on Vancomycin

15:40

Speaker: Marc Leone (Marseille, France)

#### Aminoglycosides

16:00

Speaker: Lennie Derde (Utrecht, Netherlands)

#### Colistin

16:20

Speaker: Gennaro De Pascale (Rome, Italy)

#### Antifungals - Focus on fluconazole and voriconazole

16:40

Speaker: Philippe Montravers (Paris, France)

## Scientific Programme

Master Class  
15:00 - 16:30

iLumens Paris Descartes

### When ICU enhances postoperative recovery

#periop

This Master Class will be held at:

iLumens Site Paris 5  
Université Paris Descartes  
45 rue des Saints Pères  
75006 Paris, France

#### Crisis resource management and emergency training: Group 1

Speaker: Marit Habicher (Berlin, Germany)  
Speaker: Philipp Dussmann (Berlin, Germany)  
Speaker: Philipp Landgraf (Berlin, Germany)

#### Airway management: Group 2

Speaker: Ib Jammer (Bergen, Norway)  
Speaker: Michael Sander (Giessen, Germany)  
Speaker: Bernardo Bollen Pinto (Geneva, Switzerland)  
Speaker: Sophie Ruhrmann (Giessen, Germany)

Master Class  
15:30 - 17:20

Lisbon II

### Metabolism, nutrition: Challenges at the bedside - Remaining questions: How to deal with...

#metabolic

Chair: Elisabeth De Waele (Brussels, Belgium)

**...the timing dilemma: Is early best for nutrition? 15:30**

Speaker: Arthur van Zanten (Ede, Netherlands)

**...more or less calories & proteins? 15:50**

Speaker: Elisabeth De Waele (Brussels, Belgium)

**...the optimal micronutrients and vitamins delivery 16:20**

Speaker: Kenneth Christopher (Boston, United States)

**...pragmatic nutritional management overtime 16:40**

Speaker: Mette Berger (Lausanne, Switzerland)

**...refeeding syndrome 17:00**

Speaker: Carole Ichai (Nice, France)

## Scientific Programme

Master Class  
15:30 - 17:00

Athens

### Basic course in echocardiography: Group A

#cardio

**How to recognize severe left ventricular dysfunction (hypo & hyperkinesia)?** **15:30**

Speaker: Bernard Cholley (Paris, France)

**How to recognize a failing right ventricle?** **15:45**

Speaker: Antoine Vieillard-Baron (Boulogne, France)

**Pericardial effusion & tamponade** **16:00**

Speaker: Bernard Cholley (Paris, France)

**Massive valvular regurgitation: How to identify the problem?** **16:15**

Speaker: Diane Zlotnik (Paris, France)

**Wall motion abnormalities** **16:30**

Speaker: Gorazd Voga (Celje, Slovenia)

**Inferior vena cava: How to measure? How to interpret? Limits** **16:45**

Speaker: Bernard Cholley (Paris, France)

Master Class  
15:30 - 17:00

Vienna

### Basic course in echocardiography: Group C

#cardio

#### Hands-on

Speaker: Eric Maury (Paris, France)

#### Hands-on

Speaker: Daniel Lichtenstein (Paris, France)

#### Hands-on

Speaker: Yanick Beaulieu (Montreal, Canada)

#### Hands-on

Speaker: Xavier Repesse (Paris, France)

#### Hands-on

Speaker: Filippo Sanfilippo (Catania, Italy)

#### Hands-on

Speaker: Laurent Zieleskiewicz (Paris, France)

#### Hands-on

Speaker: Samy Figueiredo (Paris, France)

#### Hands-on

Speaker: Belaïd Bouhemad (Dijon, France)



## Scientific Programme

Master Class  
15:30 - 17:00

Brussels

### Basic course in echocardiography: Group B

#cardio

**Clinical case on severe LV dysfunction** **15:30**

Speaker: Nick Fletcher (London, United Kingdom)

**Clinical cases showing images of normal and failing RV** **15:45**

Speaker: Olfa Hamzaoui (Clamart, France)

**Regional wall motion abnormalities, obvious cases, major territories (anterior, inferior, lateral)** **16:00**

Speaker: Michelle Chew (Malmö, Sweden)

**Clinical cases of pericardial effusion, tamponade or not?** **16:15**

Speaker: Nick Fletcher (London, United Kingdom)

**Clinical cases on valvular regurgitation (TTE, 2D and color Doppler only)** **16:30**

Speaker: Fernando Clau-Terré (Barcelona, Spain)

**Clinical cases with inferior vena cava** **16:45**

Speaker: Michel Slama (Amiens, France)

Master Class  
15:30 - 16:30

Glasgow

### Septic shock management: Workshops

#sepsis

#### Sepsis stewardship programmes

Speaker: Massimo Girardis (Modena, Italy)

#### Implementing antibiotic stewardship in my ICU

Speaker: Jeroen Schouten (Radboud, Netherlands)

Master Class  
15:50 - 17:30

BM1

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

#ESICMNEXT

**Where and how to present your research: What I look for in a poster & oral presentation** **15:50**

Speaker: Julia Wendon (London, United Kingdom)

**Where and how to publish your research: What you should know, what journal editors think and want** **16:20**

Speaker: Giuseppe Citerio (Monza, Italy)

## Scientific Programme

<b>Answering reviewers' comments</b>	<b>16:50</b>
Speaker: Elie Azoulay (Paris, France)	
<b>Discussion / Break</b>	<b>17:20</b>

Master Class  
16:00 - 17:35

Stockholm

### EDIC I Refresher course: Trauma & surgery

#LIVES2018

Chair: Marco Maggiorini (Zurich, Switzerland)  
Chair: Ahmed ElHaddad (London, United Kingdom)

<b>Trauma management</b>	<b>16:00</b>
Speaker: Jacques Duranteau (Kremlin-Bicetre, France)	
<b>Discussion</b>	<b>16:20</b>
<b>A survival guide to managing high risk surgical patients</b>	<b>16:25</b>
Speaker: Rupert Pearse (London, United Kingdom)	
<b>Discussion</b>	<b>16:45</b>
<b>Burns</b>	<b>16:50</b>
Speaker: Hans Flaatten (Bergen, Norway)	
<b>Discussion</b>	<b>17:10</b>
<b>Challenge yourself: Trauma and surgery MCQs with interactive discussion and voting</b>	<b>17:15</b>
Speaker: Adrian Wong (London, United Kingdom)	

Master Class  
16:00 - 18:15

BM5

### EDIC II Preparation course

#LIVES2018

<b>Biochemistry 2: Vignette, ions and patterns</b>	<b>16:00</b>
Speaker: Paul Elbers (Amsterdam, Netherlands)	
<b>CBA Images 1: CXR/AXR</b>	<b>16:45</b>
Speaker: Rajnish Saha (Harlow, United Kingdom)	
<b>CBA Images 2: CT/US</b>	<b>17:30</b>
Speaker: Ravindra Kumar (Redhill, United Kingdom)	

## Scientific Programme

Master Class  
16:30 - 18:00

iLumens Paris Descartes

### When ICU enhances postoperative recovery

#periop

This Master Class will be held at:

iLumens Site Paris 5  
Université Paris Descartes  
45 rue des Saints Pères  
75006 Paris, France

### Crisis resource management and emergency training: Group 2

Speaker: Marit Habicher (Berlin, Germany)  
Speaker: Philipp Dussmann (Berlin, Germany)  
Speaker: Philipp Landgraf (Berlin, Germany)

### Airway management: Group 1

Speaker: Ib Jammer (Bergen, Norway)  
Speaker: Michael Sander (Giessen, Germany)  
Speaker: Bernardo Bollen Pinto (Geneva, Switzerland)  
Speaker: Sophie Ruhrmann (Giessen, Germany)

Master Class  
16:40 - 17:40

Amsterdam

### Mechanical Ventilation: From basics to advanced treatment

#lung

#### Practical examples waveform interpretation 2

16:40

Speaker: Gennaro De Pascale (Rome, Italy)

#### Role of non-invasive ventilation in acute hypoxaemic respiratory failure

17:00

Speaker: Giuseppe Foti (Monza, Italy)

#### High Flow Nasal Cannula: theoretical and practical aspects

17:20

Speaker: Samir Jaber (Montpellier, France)

Master Class  
17:00 - 17:15

Lisbon I

### Antibiotic PK/PD in ICU clinical practice: What's next?

#micro

#### Challenges and future perspectives in PK/PD

17:00

Speaker: Jeffrey Lipman (Brisbane, Australia)

## Scientific Programme

Master Class  
17:15 - 17:40

Lisbon I

### **Antibiotic PK/PD in ICU clinical practice: Closure**

#micro

#### **CME exam and final remarks**

**17:15**

Speaker: Barbara Borgatta (Oxford, United Kingdom)

Master Class  
17:30 - 18:00

BM1

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

#ESICMNEXT

#### **How ESICM and NEXT can help with your research**

**17:30**

Speaker: Burcin Halacli (Ankara, Turkey)

#### **Setting the Challenge**

**17:45**

Speaker: Jean-Daniel Chiche (Paris, France)

## Scientific Programme

### Sunday, 21 October 2018

---

Master Class  
08:00 - 10:15

BM5

#### EDIC II Preparation course

#LIVES2018

##### How to go through CCS 1 Medical

08:00

Speaker: Pascale Gruber (London, United Kingdom)

##### CCS Video

09:00

##### How to go through CCS 2 Cardiothoracic

09:15

Speaker: Carl Waldmann (Reading, United Kingdom)

Master Class  
08:30 - 10:05

Stockholm

#### EDIC I Refresher course: Nephrology, electrolytes & fluid management

#LIVES2018

Chair: Jerome Cockings (Reading, United Kingdom)

Chair: Hans Flaatten (Bergen, Norway)

##### Acute kidney injury

08:30

Speaker: Lui Forni (Surrey, United Kingdom)

##### Discussion

08:50

##### Renal replacement therapies

08:55

Speaker: John Prowle (London, United Kingdom)

##### Discussion

09:15

##### Acid base for the expert

09:20

Speaker: Paul Elbers (Amsterdam, Netherlands)

##### Discussion

09:40

##### Challenge yourself: Nephrology MCQs with interactive discussion and voting

09:45

Speaker: Frantisek Duska (Prague, Czech Republic)

Master Class  
08:30 - 09:00

BM1

#### ECMO: From big bang to black holes - powered by NEXT: Welcoming & introduction

#ESICMNEXT

## Scientific Programme

<b>Big bang - Welcome to the ECMO Master Class</b>	<b>08:30</b>
Speaker: Jozef Kesecioglu (Utrecht, Netherlands)	
<b>Research track on ARDS and ECMO: From Fellowship to Master Class and vice versa</b>	<b>08:45</b>
Speaker: Gennaro De Pascale (Rome, Italy)	
Master Class 09:00 - 10:30	Lisbon I
<b>Facing the emergency &amp; secondary brain damage</b>	
#neuro	
Chair: Mauro Oddo (Lausanne, Switzerland)	
<b>The approach to the comatose patient</b>	<b>09:00</b>
Speaker: Matthew J. Rowland (Oxford, United Kingdom)	
<b>Seizures and status epilepticus: How to detect and treat</b>	<b>09:30</b>
Speaker: Déborah Pugin (Geneva, Switzerland)	
<b>Ischaemic stroke management: Facing the revolution</b>	<b>10:00</b>
Speaker: Giuseppe Citerio (Monza, Italy)	
Master Class 09:00 - 10:00	Lisbon II
<b>Practical aspects of RRT in ICU patients</b>	
#renal	
<b>Welcome</b>	<b>09:00</b>
Speaker: Eric Hoste (Ghent, Belgium)	
<b>Introduction to RRT and terminology</b>	<b>09:05</b>
Speaker: Antoine Schneider (Lausanne, Switzerland)	
<b>RRT: Principles and modalities</b>	<b>09:30</b>
Speaker: John Prowle (London, United Kingdom)	
Master Class 09:00 - 10:35	Athens
<b>Basic course in echocardiography: Group B</b>	
#cardio	
<b>Echo signs of pneumothorax</b>	<b>09:00</b>
Speaker: Laurent Zieleskiewicz (Paris, France)	
<b>Pleural effusion</b>	<b>09:20</b>
Speaker: Belaid Bouhemad (Dijon, France)	

## Scientific Programme

<b>Lung condensation: Pneumonia, atelectasis,...</b>	<b>09:40</b>
Speaker: Daniel Lichtenstein (Paris, France)	
<b>Diaphragmatic function: How to evaluate?</b>	<b>10:00</b>
Speaker: Nadia Aissaoui (Paris, France)	
<b>Respiratory distress: Basic approach using US</b>	<b>10:15</b>
Speaker: Philippe Vignon (Limoges, France)	

Master Class  
09:00 - 10:30

Vienna

### Basic course in echocardiography: Group A

#cardio

#### Hands-on

Speaker: Bernard Cholley (Paris, France)

#### Hands-on

Speaker: Gorazd Voga (Celje, Slovenia)

#### Hands-on

Speaker: Matthieu Legrand (Paris, France)

#### Hands-on

Speaker: Olfa Hamzaoui (Clamart, France)

#### Hands-on

Speaker: Xavier Repesse (Paris, France)

#### Hands-on

Speaker: Filippo Sanfilippo (Catania, Italy)

#### Hands-on

Speaker: Diane Zlotnik (Paris, France)

#### Hands-on

Speaker: Benjamin Glenn Chousterman (Paris, France)

Master Class  
09:00 - 10:35

Brussels

### Basic course in echocardiography: Group C

#cardio

<b>Clinical case pneumothorax (pleural sliding present and absent, 2D and M-mode, lung point)</b>	<b>09:00</b>
---	--------------

Speaker: Samy Figueiredo (Paris, France)

<b>Clinical cases of pleural effusion, various importances</b>	<b>09:20</b>
--	--------------

Speaker: Samy Figueiredo (Paris, France)

## Scientific Programme

<b>Clinical cases of lung condensation</b>	<b>09:40</b>
Speaker: Yanick Beaulieu (Montreal, Canada)	
<b>Practical approach to Respiratory Distress</b>	<b>10:00</b>
Speaker: Yanick Beaulieu (Montreal, Canada)	
<b>Examples of diaphragmatic evaluation, pitfalls in measurement</b>	<b>10:20</b>
Speaker: Eric Maury (Paris, France)	

Master Class  
09:00 - 10:15

Glasgow

### Septic shock management: Sepsis, mechanism of hypotension

#sepsis

<b>Hypovolemia</b>	<b>09:00</b>
Speaker: Xavier Monnet (Paris, France)	
<b>Cardiac depression</b>	<b>09:25</b>
Speaker: Daniel De Backer (Braine L'Alleud, Belgium)	
<b>Vasoplegia</b>	<b>09:50</b>
Speaker: Bruno Levy (Vandoeuvre les Nancy, France)	

Master Class  
09:00 - 11:00

Amsterdam

### Mechanical Ventilation: From basics to advanced treatment

#lung

<b>A basic introduction to the pathophysiology of ARDS</b>	<b>09:00</b>
Speaker: Luigi Camporota (London, United Kingdom)	
<b>Advanced respiratory monitoring: Transpulmonary pressure and lung volumes</b>	<b>09:20</b>
Speaker: Luciano Gattinoni (Milan, Italy)	
<b>Prone position theoretical and practical aspects</b>	<b>09:40</b>
Speaker: Alain Mercat (Angers, France)	
<b>Role of ECMO in the treatment of acute respiratory failure</b>	<b>10:00</b>
Speaker: Alain Combes (Paris, France)	
<b>Hands-on session 3 - Ventilation of an ARDS patient</b>	<b>10:20</b>
Speaker: Giacomo Grasselli (Milan, Italy)	
Speaker: Martin Dres (Paris, France)	
Speaker: Guillaume Carteaux (Paris, France)	
Speaker: Luigi Camporota (London, United Kingdom)	
Speaker: Giuseppe Foti (Monza, Italy)	



## Scientific Programme

Master Class  
09:00 - 11:00

BM1

### **ECMO: From big bang to black holes - powered by NEXT: ECMO basics**

#ESICMNEXT

Chair: Cristina Santonocito (Palermo, Italy)  
Chair: Gennaro De Pascale (Rome, Italy)

#### **The ABC of ARDS treatment: The basic, case-based principles**

**09:00**

Speaker: Giacomo Bellani (Monza, Italy)

#### **Stay and play or scoop and run? ARDS/ECMO-center contact**

**09:30**

Speaker: Steffen Weber-Carstens (Berlin, Germany)

#### **VV-ECMO: Which patients benefit most?**

**10:00**

Speaker: Michael Quintel (Göttingen, Germany)

#### **Cannulation and complication**

**10:30**

Speaker: Nadia Aissaoui (Paris, France)

Master Class  
09:00 - 12:00

BM6

### **Advanced course in echocardiography: Fluid management**

#cardio

#### **Static echo parameters**

**09:00**

Speaker: Michel Slama (Amiens, France)

#### **Echo and fluid responsiveness evaluation**

**09:30**

Speaker: Philippe Vignon (Limoges, France)

#### **Cases/discussion**

**10:00**

Speaker: Antoine Vieillard-Baron (Boulogne, France)

#### **Coffee break**

**10:30**

#### **How to do it in practice?**

**11:00**

Speaker: Anthony McLean (Sydney, Australia)

#### **TEE: Main views, interest, side effects and contraindications**

**11:30**

Speaker: Antoine Vieillard-Baron (Boulogne, France)

## Scientific Programme

Master Class  
09:00 - 11:30

iLumens Paris Descartes

### When ICU enhances postoperative recovery

#periop

This Master Class will be held at:

iLumens Site Paris 5  
Université Paris Descartes  
45 rue des Saints Pères  
75006 Paris, France

<b>ERAS and goal directed haemodynamic management</b>	<b>09:00</b>
Speaker: Michael Sander (Giessen, Germany)	
<b>NIV/HFNO to avoid postoperative pulmonary complications</b>	<b>09:30</b>
Speaker: Rupert Pearce (London, United Kingdom)	
<b>How to reduce the risk of cardiac complications after surgery</b>	<b>10:00</b>
Speaker: Bernardo Bollen Pinto (Geneva, Switzerland)	
<b>Team communication</b>	<b>10:30</b>
Speaker: Antoine Tesnière (Paris, France)	
<b>Perioperative ICU admission - risk stratification</b>	<b>11:00</b>
Speaker: Daniel A. Reuter (Rostock, Germany)	

Master Class  
10:20 - 12:30

Lisbon II

### Practical aspects of RRT in ICU patients

#renal

<b>Hands-on section: Setup up of CRRT machines / RRT circuit</b>	<b>10:20</b>
Speaker: Antoine Schneider (Lausanne, Switzerland)	
Speaker: Thomas Rimmelé (Lyon, France)	
Speaker: Olivier Joannes-Boyau (Pessac, France)	
Speaker: John Prowle (London, United Kingdom)	
Speaker: Marlies Ostermann (London, United Kingdom)	
Speaker: Michael Darmon (Saint-Etienne, France)	
Speaker: Michael Joannidis (Innsbruck, Austria)	
Speaker: Patrick Honoré (Brussels, Belgium)	
<b>Vascular access</b>	<b>11:30</b>
Speaker: Thomas Rimmelé (Lyon, France)	
<b>How to keep the filter patent?</b>	<b>12:00</b>
Speaker: Olivier Joannes-Boyau (Pessac, France)	

## Scientific Programme

Master Class  
10:30 - 12:05

Stockholm

### EDIC I Refresher course: Nervous system

#LIVES2018

Chair: Lara Prisco (Oxford, United Kingdom)  
Chair: Stephen Shepherd (London, United Kingdom)

<b>Traumatic brain injury: From physiology to treatment</b>	<b>10:30</b>
Speaker: Nino Stocchetti (Milan, Italy)	
<b>Discussion</b>	<b>10:50</b>
<b>Practical issues of subarachnoid haemorrhage management</b>	<b>10:55</b>
Speaker: David Menon (Cambridge, United Kingdom)	
<b>Discussion</b>	<b>11:15</b>
<b>Managing spinal injuries</b>	<b>11:20</b>
Speaker: Matthew J. Rowland (Oxford, United Kingdom)	
<b>Discussion</b>	<b>11:40</b>
<b>Challenge yourself: Nervous system MCQs with interactive discussion and voting</b>	<b>11:45</b>
Speaker: Lars Hein (Copenhagen, Denmark)	

Master Class  
10:30 - 16:20

BM5

### EDIC II Preparation course

#LIVES2018

<b>Mock exams</b>	<b>10:30</b>
Speaker: Pascale Gruber (London, United Kingdom)	
Speaker: Ravindra Kumar (Redhill, United Kingdom)	
Speaker: Carl Waldmann (Reading, United Kingdom)	
Speaker: Francesca Rubulotta (London, United Kingdom)	
Speaker: Jerome Cockings (Reading, United Kingdom)	
Speaker: Petr Waldauf (Prague, Czech Republic)	
Speaker: Arindam Kar (Kolkata, India)	
Speaker: Paul Elbers (Amsterdam, Netherlands)	
Speaker: Frantisek Duska (Prague, Czech Republic)	
Speaker: Martin Balik (Prague, Czech Republic)	
Speaker: Rajnish Saha (Harlow, United Kingdom)	
Speaker: Ahmed ElHaddad (London, United Kingdom)	
Speaker: Hans Flaatten (Bergen, Norway)	
Speaker: Adrian Wong (London, United Kingdom)	
<b>Tips and guide to educational resources</b>	<b>16:00</b>
Speaker: Frantisek Duska (Prague, Czech Republic)	

## Scientific Programme

Master Class  
10:35 - 12:50

Glasgow

### Septic shock management: Sepsis, haemodynamic therapy

#sepsis

#### Treating hypovolemia

10:35

Speaker: Bernd Saugel (Hamburg, Germany)

#### Treating cardiac depression

11:00

Speaker: Iwan Van der Horst (Groningen, Netherlands)

#### Treating vasoplegia

11:25

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

#### What do the guidelines say?

12:00

Speaker: Steve Hollenberg (Camden, United States)

#### What are the best endpoints?

12:25

Speaker: Claude Martin (Marseille, France)

Master Class  
11:00 - 12:30

Lisbon I

### Facing the emergency & secondary brain damage

#neuro

Chair: Fabio Silvio Taccone (Brussels, Belgium)

#### Intracranial haemorrhage

11:00

Speaker: Chiara Robba (Cambridge, United Kingdom)

#### Subarachnoid haemorrhage: Management in the first 72 hours

11:30

Speaker: Raimund Helbok (Innsbruck, Austria)

#### SAH - The conundrum of managing systemic complications

12:00

Speaker: Geert Meyfroidt (Leuven, Belgium)

Master Class  
11:00 - 12:35

Athens

### Basic course in echocardiography: Group C

#cardio

#### Echo signs of pneumothorax

11:00

Speaker: Laurent Zieleskiewicz (Paris, France)

#### Pleural effusion

11:20

Speaker: Belaïd Bouhemad (Dijon, France)

#### Lung condensation: Pneumonia, atelectasis,...

11:40

Speaker: Daniel Lichtenstein (Paris, France)

## Scientific Programme

<b>Respiratory distress: Basic approach using US</b>	<b>12:00</b>
Speaker: Philippe Vignon (Limoges, France)	
<b>Diaphragmatic function: How to evaluate?</b>	<b>12:20</b>
Speaker: Nadia Aissaoui (Paris, France)	

Master Class  
11:00 - 12:30

Vienna

### Basic course in echocardiography: Group B

#cardio

#### Hands-on

Speaker: Bernard Cholley (Paris, France)

#### Hands-on

Speaker: Gorazd Voga (Celje, Slovenia)

#### Hands-on

Speaker: Matthieu Legrand (Paris, France)

#### Hands-on

Speaker: Xavier Repesse (Paris, France)

#### Hands-on

Speaker: Olfa Hamzaoui (Clamart, France)

#### Hands-on

Speaker: Filippo Sanfilippo (Catania, Italy)

#### Hands-on

Speaker: Diane Zlotnik (Paris, France)

#### Hands-on

Speaker: Benjamin Glenn Chousterman (Paris, France)

Master Class  
11:00 - 12:35

Brussels

### Basic course in echocardiography: Group A

#cardio

<b>Clinical case pneumothorax (pleural sliding present and absent, 2D and M-mode, lung point)</b>	<b>11:00</b>
Speaker: Samy Figueiredo (Paris, France)	
<b>Clinical cases of pleural effusion, various importances</b>	<b>11:20</b>
Speaker: Samy Figueiredo (Paris, France)	
<b>Clinical cases of lung condensation</b>	<b>11:40</b>
Speaker: Yanick Beaulieu (Montreal, Canada)	

## 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)

Master Class

11:20 - 13:00

Amsterdam

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

#lung

**Patients with severe asthma: Unfrequent but nasty!** 11:20

Speaker: Lise Piquilloud (Lausanne, Switzerland)

**Pathophysiological alterations and ventilation in COPD patients** 11:40

Speaker: Alexandre Demoule (Paris, France)

**Heart-lung interaction during assisted ventilation** 12:00

Speaker: Michael Pinsky (Pittsburgh, United States)

**Weaning from mechanical ventilation** 12:20

Speaker: Laurent Brochard (Toronto, Canada)

**Practical examples waveform interpretation 2** 12:40

Speaker: Giacomo Bellani (Monza, Italy)

Master Class

11:20 - 12:10

BM1

### **ECMO: From big bang to black holes - powered by NEXT: Case-based scenario (digivote)**

#ESICMNEXT

Chair: Claudia Spies (Berlin, Germany)

Chair: Burcin Halaccli (Ankara, Turkey)

**Challenging decisions - ECMO in critical cases** 11:20

Speaker: Brijesh Patel (London, United Kingdom)

## Scientific Programme

Master Class  
12:00 - 13:00

iLumens Paris Descartes

### When ICU enhances postoperative recovery

#periop

This Master Class will be held at:

iLumens Site Paris 5  
Université Paris Descartes  
45 rue des Saints Pères  
75006 Paris, France

### Questionnaire: Group 1 & 2

#### Wrap-up

Speaker: Michael Sander (Giessen, Germany)

Master Class  
12:10 - 13:00

BM1

### ECMO: From big bang to black holes - powered by NEXT: Keynote

#ESICMNEXT

Chair: Victoria Bennett (London, United Kingdom)  
Chair: Nishkantha Arulkumaran (London, United Kingdom)

#### The way from residency to EOLIA

12:10

Speaker: Alain Combes (Paris, France)

Master Class  
13:00 - 14:35

Stockholm

### EDIC I Refresher course: GI system

#LIVES2018

Chair: Lars Hein (Copenhagen, Denmark)  
Chair: Rajnish Saha (Harlow, United Kingdom)

#### Pancreatitis

13:00

Speaker: Ravindra Kumar (Redhill, United Kingdom)

#### Discussion

13:20

#### Chronic liver disease and liver transplantation

13:25

Speaker: Julia Wendon (London, United Kingdom)

#### Discussion

13:45

#### Nutrition: What, when and how?

13:50

Speaker: Marlies Ostermann (London, United Kingdom)

## Scientific Programme

<b>Discussion</b>	<b>14:10</b>
<b>Endocrine emergencies</b>	<b>14:15</b>
Speaker: Hans Ulrich Rothen (Bern, Switzerland)	
Master Class 13:00 - 14:30	Lisbon I
<b>Facing the emergency &amp; secondary brain damage</b>	
#neuro	
Chair: Lara Prisco (Oxford, United Kingdom)	
<b>TBI- a changing scenario</b>	<b>13:00</b>
Speaker: Mauro Oddo (Lausanne, Switzerland)	
<b>TBI-medical management of increased intracranial volumes</b>	<b>13:30</b>
Speaker: Nino Stocchetti (Milan, Italy)	
<b>TBI-surgical management of increased intracranial volumes</b>	<b>14:00</b>
Speaker: David Menon (Cambridge, United Kingdom)	
Master Class 13:00 - 16:00	BM6
<b>Advanced course in echocardiography: RV function</b>	
#cardio	
<b>Echo parameters</b>	<b>13:00</b>
Speaker: Anthony McLean (Sydney, Australia)	
<b>What is known in the different clinical situations in the ICU?</b>	<b>13:45</b>
Speaker: Antoine Vieillard-Baron (Boulogne, France)	
<b>Cases/discussion</b>	<b>14:15</b>
Speaker: Michel Slama (Amiens, France)	
<b>Coffee break</b>	<b>14:45</b>
<b>How do I perform in practice an echo examination at the bedside and the report</b>	<b>15:00</b>
Speaker: Anthony McLean (Sydney, Australia)	
<b>Pitfalls and mimickers</b>	<b>15:30</b>
Speaker: Philippe Vignon (Limoges, France)	



## Scientific Programme

Master Class  
13:15 - 14:55

Lisbon II

### Practical aspects of RRT in ICU patients

#renal

#### **Workshop I: Alarms / Troubleshooting (3 machines 3 groups) (45' + 5' rotation) (groups 2-3-4)**

Speaker: John Prowle (London, United Kingdom)  
Speaker: Patrick Honoré (Brussels, Belgium)  
Speaker: Michael Darmon (Saint-Etienne, France)  
Speaker: Michael Joannidis (Innsbruck, Austria)

#### **Workshop II: Citrate anticoagulation pitfalls (3 machines 3 groups) (45' + 5' rotation) (groups 1-5-6)**

Speaker: Antoine Schneider (Lausanne, Switzerland)  
Speaker: Olivier Joannes-Boyau (Pessac, France)  
Speaker: Thomas Rimmelé (Lyon, France)

#### **Workshop I: Alarms / Troubleshooting (3 machines 3 groups) (45' + 5' rotation) (groups 1-5-6)**

Speaker: John Prowle (London, United Kingdom)  
Speaker: Patrick Honoré (Brussels, Belgium)  
Speaker: Michael Darmon (Saint-Etienne, France)  
Speaker: Michael Joannidis (Innsbruck, Austria)

#### **Workshop II: Citrate anticoagulation pitfalls (3 machines 3 groups) (45' + 5' rotation) (groups 2-3-4)**

Speaker: Antoine Schneider (Lausanne, Switzerland)  
Speaker: Olivier Joannes-Boyau (Pessac, France)  
Speaker: Thomas Rimmelé (Lyon, France)

Master Class  
13:30 - 15:10

Glasgow

### Septic shock management: Sepsis, what else?

#sepsis

#### **What about the microcirculation?**

**13:30**

Speaker: Can Ince (Amsterdam, Netherlands)

#### **What about tissue perfusion?**

**13:55**

Speaker: Jan Bakker (Rotterdam, Netherlands)

#### **How to integrate macro and microcirculation?**

**14:20**

Speaker: Christiaan Boerma (Lleuwaarden, Netherlands)

#### **Pressure orientated or flow oriented therapy?**

**14:45**

Speaker: Didier Payen de la Garanderie (Paris, France)

## Scientific Programme

Master Class  
14:00 - 15:35

Athens

### Basic course in echocardiography: Group A

#cardio

#### Echo signs of pneumothorax

14:00

Speaker: Laurent Zieleskiewicz (Paris, France)

#### Pleural effusion

14:20

Speaker: Belaïd Bouhemad (Dijon, France)

#### Lung condensation: Pneumonia, atelectasis,...

14:40

Speaker: Daniel Lichtenstein (Paris, France)

#### Respiratory distress: Basic approach using US

15:00

Speaker: Philippe Vignon (Limoges, France)

#### Diaphragmatic function: How to evaluate?

15:20

Speaker: Nadia Aissaoui (Paris, France)

Master Class  
14:00 - 15:30

Vienna

### Basic course in echocardiography: Group C

#cardio

#### Hands-on

Speaker: Bernard Cholley (Paris, France)

#### Hands-on

Speaker: Gorazd Voga (Celje, Slovenia)

#### Hands-on

Speaker: Matthieu Legrand (Paris, France)

#### Hands-on

Speaker: Xavier Repesse (Paris, France)

#### Hands-on

Speaker: Olfa Hamzaoui (Clamart, France)

#### Hands-on

Speaker: Filippo Sanfilippo (Catania, Italy)

#### Hands-on

Speaker: Diane Zlotnik (Paris, France)

#### Hands-on

Speaker: Benjamin Glenn Chousterman (Paris, France)

## Scientific Programme

Master Class  
14:00 - 15:35

Brussels

### Basic course in echocardiography: Group B

#cardio

**Clinical case pneumothorax (pleural sliding present and absent, 2D and M-mode, lung point)** **14:00**

Speaker: Samy Figueiredo (Paris, France)

**Clinical cases of pleural effusion, various importances** **14:20**

Speaker: Samy Figueiredo (Paris, France)

**Clinical cases of lung condensation** **14:40**

Speaker: Yanick Beaulieu (Montreal, Canada)

**Practical approach to Respiratory Distress** **15:00**

Speaker: Yanick Beaulieu (Montreal, Canada)

**Examples of diaphragmatic evaluation, pitfalls in measurement** **15:20**

Speaker: Eric Maury (Paris, France)

Master Class  
14:00 - 17:00

Amsterdam

### Mechanical Ventilation: From basics to advanced treatment

#lung

**EIT with practical cases** **14:00**

Speaker: Luigi Camporota (London, United Kingdom)

**Hands-on session 4 - Ventilation of an obstructive patient + weaning** **15:00**

Speaker: Luigi Camporota (London, United Kingdom)

Speaker: Martin Dres (Paris, France)

Speaker: Guillaume Carteaux (Paris, France)

Speaker: Giacomo Grasselli (Milan, Italy)

Speaker: Giuseppe Foti (Monza, Italy)

**Ultrasound for bedside assessment of the respiratory system** **16:00**

Speaker: Ewan Goligher (Toronto, Canada)

**Consider: How to deal with a very difficult to wean patient** **16:20**

Speaker: Laurent Brochard (Toronto, Canada)

**Short cases for common discussion** **16:40**

Speaker: John Laffey (Toronto, Canada)

## Scientific Programme

Master Class  
14:00 - 14:30

BM1

### **ECMO: From big bang to black holes - powered by NEXT: Ethical discussion**

#ESICMNEXT

Chair: Paul Abraham (Lyon, France)  
Chair: Cristina Santonocito (Palermo, Italy)

#### **Overtreatment and staff burnout**

Speaker: Rik Gerritsen (Leeuwarden, Netherlands)  
Speaker: Christiane Hartog (Jena, Germany)

Master Class  
14:40 - 16:40

BM1

### **ECMO: From big bang to black holes - powered by NEXT: ARDS Fellowships Revisited**

#ESICMNEXT

Chair: Laura Galarza Barrachina (Castellon, Spain)  
Chair: Stefan Schaller (Munich, Germany)

#### **Rotterdam - Sedation management in ECMO patients**

**14:40**

Speaker: Jan Bakker (Rotterdam, Netherlands)

#### **Vienna - Walking ECMO**

**15:00**

Speaker: Björn Weiss (Berlin, Germany)

#### **Berlin - Experimental studies on ECMO**

**15:20**

Speaker: Roland Francis (Berlin, Germany)

#### **London - ECMO retrieval**

**15:40**

Speaker: Brijesh Patel (London, United Kingdom)

#### **Paris - ECCO2R: New insights, new ideas**

**16:00**

Speaker: Alain Combes (Paris, France)

#### **Monza - NIV and ECMO**

**16:20**

Speaker: Giuseppe Foti (Monza, Italy)

Master Class  
15:00 - 16:10

Stockholm

### **EDIC I Refresher course: Others**

#LIVES2018

Chair: Jacobus Preller (Cambridge, United Kingdom)  
Chair: Matthew J. Rowland (Oxford, United Kingdom)

#### **Sedation and delirium**

**15:00**

Speaker: Claudia Spies (Berlin, Germany)

## Scientific Programme

**Discussion** **15:20**

**Poisoning and toxicology** **15:25**

Speaker: Armand Girbes (Amsterdam, Netherlands)

**Discussion** **15:45**

**Top hardest MCQs of the year** **15:50**

Speaker: Christian Sitzwohl (Vienna, Austria)

Master Class  
15:00 - 16:30

Lisbon I

### Facing the emergency & secondary brain damage

#neuro

Chair: Pedro Kurtz (Rio de Janeiro, Brazil)

**Managing post-anoxic brain injury** **15:00**

Speaker: Fabio Silvio Taccone (Brussels, Belgium)

**Metabolic encephalopathy** **15:30**

Speaker: Romain Sonnevill (Paris, France)

**CNS infections** **16:00**

Speaker: Pedro Kurtz (Rio de Janeiro, Brazil)

Master Class  
15:15 - 16:30

Lisbon II

### Practical aspects of RRT in ICU patients

#renal

**Interactive case presentation: RRT timing and modality** **15:15**

Speaker: Patrick Honoré (Brussels, Belgium)

**Conclusions and answers to the test** **16:15**

Speaker: Marlies Ostermann (London, United Kingdom)

Master Class  
15:30 - 16:30

Glasgow

### Septic shock management: Workshops (rotation)

#sepsis

**Case-based discussions**

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

## Scientific Programme

### Case-based discussions

Speaker: Jan Bakker (Rotterdam, Netherlands)

### Case-based discussions

Speaker: Thomas Scheeren (Groningen, Netherlands)

Thematic Session

17:00 - 18:10

Paris

## Opening Session

#LIVES2018

### Welcome & presentation of the Society's achievements

17:00

Speaker: Massimo Antonelli (Rome, Italy)

### Presentation of ESICM Honorary Membership to Flavia R. Machado & Didier Payen de la Garanderie

17:10

Speaker: Jozef Kesecioglu (Utrecht, Netherlands)

### Presentation of ESICM Medal to Elie Azoulay

17:15

Speaker: Massimo Antonelli (Rome, Italy)

### Wanted: Rebel talent

17:20

Speaker: Francesca Gino (Boston, United States)

### 31st Congress highlights

17:35

Speaker: Maurizio Cecconi (Milan, Italy)

### Social and affective dimensions in spoken interactions

17:45

Speaker: Laurence Devilliers (Paris, France)

### Vision for the Society by the Incoming President

18:00

Speaker: Jozef Kesecioglu (Utrecht, Netherlands)

## Scientific Programme

### Monday, 22 October 2018

---

Keynote Lecture  
08:00 - 08:20

Paris

#### **Changing the paradigm: Personalised antibiotic dosing for the critically ill**

#micro

Chair: Pedro Pova (Lisbon, Portugal)

##### **Presentation**

**08:00**

Speaker: Jeffrey Lipman (Brisbane, Australia)

Thematic Session  
08:30 - 09:30

Paris

#### **Regional perfusion in shock**

#cardio

Chair: Jan Bakker (Rotterdam, Netherlands)

Chair: Iwan Van der Horst (Groningen, Netherlands)

##### **Gastro-intestinal perfusion in shock**

**08:30**

Speaker: Glenn Hernandez (Santiago, Chile)

##### **Discussion**

**08:40**

##### **Kidney perfusion in shock**

**08:50**

Speaker: Can Ince (Amsterdam, Netherlands)

##### **Discussion**

**09:00**

##### **Brain perfusion in shock**

**09:10**

Speaker: Fabio Silvio Taccone (Brussels, Belgium)

##### **Discussion**

**09:20**

Thematic Session  
08:30 - 09:30

Barcelona

#### **Questioning perioperative haemodynamic targets**

#periop

Chair: Bernd Saugel (Hamburg, Germany)

Chair: Arnaldo Dubin (La Plata, Argentina)

##### **The response to a fluid challenge should be assessed by oxygen delivery and not by cardiac output**

**08:30**

Speaker: Michael Sander (Giessen, Germany)

##### **Discussion**

**08:45**

## Scientific Programme

<b>The impact of acute haemodilution on the response to a fluid challenge</b>	<b>08:50</b>
Speaker: Azriel Perel (Tel Aviv, Israel)	
<b>Discussion</b>	<b>09:05</b>
<b>Vasoplegia in the recovery room</b>	<b>09:10</b>
Speaker: Aarne Feldheiser (Berlin, Germany)	
<b>Discussion</b>	<b>09:25</b>

Thematic Session  
08:30 - 09:30

Stockholm

### ICM Year in Review: Learning from recent papers

#LIVES2018

Chair: Jean-François Timsit (Paris, France)  
Chair: Giuseppe Citerio (Monza, Italy)

<b>Infectious diseases in ICM</b>	<b>08:30</b>
Speaker: Jean-François Timsit (Paris, France)	
<b>Discussion</b>	<b>08:45</b>
<b>Short and long-term outcomes</b>	<b>08:50</b>
Speaker: Laurent Papazian (Marseille, France)	
<b>Discussion</b>	<b>09:05</b>
<b>Systematic reviews and meta-analysis</b>	<b>09:10</b>
Speaker: Anders Perner (Copenhagen, Denmark)	
<b>Discussion</b>	<b>09:25</b>

From Bench to Bedside Session  
08:30 - 09:30

Lisbon

### ICM Experimental 1: Concepts of critical illness

#LIVES2018

Chair: Mervyn Singer (London, United Kingdom)  
Chair: Peter Radermacher (Ulm, Germany)

<b>Inflammatory balance and imbalance</b>	<b>08:30</b>
Speaker: Peter Pickkers (Nijmegen, Netherlands)	
<b>Discussion</b>	<b>08:45</b>
<b>To attack or to tolerate? Novel concepts in host response</b>	<b>08:50</b>
Speaker: Michael Bauer (Jena, Germany)	
<b>Discussion</b>	<b>09:05</b>



## Scientific Programme

<b>Host stress and strain</b>	<b>09:10</b>
Speaker: Mervyn Singer (London, United Kingdom)	
<b>Discussion</b>	<b>09:25</b>

Thematic Session 08:30 - 09:30	Athens
-----------------------------------	--------

### Research in ethics

#ethic

Chair: Rik Gerritsen (Leeuwarden, Netherlands)  
Chair: Charles L. Sprung (Jerusalem, Israel)

<b>PARTNER Trial</b>	<b>08:30</b>
Speaker: Derek Angus (Pittsburgh, United States)	
<b>Discussion</b>	<b>08:45</b>
<b>ETHICUS II</b>	<b>08:50</b>
Speaker: Charles L. Sprung (Jerusalem, Israel)	
<b>Discussion</b>	<b>09:05</b>
<b>DISPROPRICUS</b>	<b>09:10</b>
Speaker: Dominique Benoit (Ghent, Belgium)	
<b>Discussion</b>	<b>09:25</b>

Interactive Debates 08:30 - 09:30	Interactive Debates
--------------------------------------	---------------------

### Any intensivist can do cardiac intensive care

#periop

Chair: Stephen Shepherd (London, United Kingdom)

<b>Debate</b>	<b>08:30</b>
Speaker: Alain Vuylsteke (London, United Kingdom)	
Speaker: Christina Agvald-Öhman (Stockholm, Sweden)	
Speaker: Yatin Mehta (India)	

Clinical Challenges Session 08:40 - 09:30	Berlin
--	--------

### How do I manage ventilation in severe asthma or COPD patients?

#lung

Chair: Alain Mercat (Angers, France)

## Scientific Programme

### Presentation

Speaker: Lise Piquilloud (Lausanne, Switzerland)

Clinical Challenges Session  
08:40 - 09:30

Geneva

### How do I manage ECMO in my cardiac arrest patients?

#trauma

Chair: Jerry Nolan (Bath, United Kingdom)

### Presentation

Speaker: Alain Combes (Paris, France)

08:40

Clinical Challenges Session  
08:40 - 09:30

Rome

### How do I manage refractory status epilepticus?

#neuro

Chair: Raimund Helbok (Innsbruck, Austria)

### Presentation

Speaker: Mauro Oddo (Lausanne, Switzerland)

Clinical Challenges Session  
08:40 - 09:30

Vienna

### How do I manage refeeding syndrome?

#metabolic

Chair: Mette Berger (Lausanne, Switzerland)

### Presentation

Speaker: Pierre Singer (Petah Tiqva, Israel)

Clinical Challenges Session  
08:40 - 09:30

Glasgow

### How do I create a great working atmosphere?

#ethic

Chair: Steve Hollenberg (Camden, United States)

### Presentation

Speaker: Freda DeKeyser Ganz (Jerusalem, Israel)

## Scientific Programme

Tech Lounge  
09:00 - 09:50

Tech Lounge

### What has technology ever done for us?

#tech

Chair: Marius Terblanche (London, United Kingdom)  
Chair: Theodoros Kyprianou (Nicosia, Cyprus)

<b>Introduction to the ESICM Tech Lounge</b>	<b>09:00</b>
Speaker: Marius Terblanche (London, United Kingdom)	
<b>Using data to support biomedical research</b>	<b>09:05</b>
Speaker: Charlotte Summers (Cambridge, United Kingdom)	
<b>Data: What is all the hype about?</b>	<b>09:20</b>
Speaker: Ari Ercole (Cambridge, United Kingdom)	
<b>Interprofessional communication in tech-rich environments: For better or for worse?</b>	<b>09:35</b>
Speaker: Theomary Karamanis (New York, United States)	

NEXT Lounge  
09:00 - 10:00

NEXT Lounge

### NEXT Blackboard Lecture

#ESICMNEXT

Chair: Laura Galarza Barrachina (Castellon, Spain)  
Chair: Björn Weiss (Berlin, Germany)

<b>Understanding hypotension in the ICU</b>	<b>09:00</b>
Speaker: Maurizio Cecconi (Milan, Italy)	

Arena  
09:10 - 10:20

Arena

### Spontaneous breathing: Good or bad?

Chair: Leo Heunks (Neimegen, Netherlands)  
Chair: Ewan Goligher (Toronto, Canada)

<b>Spontaneous breathing in early acute respiratory distress syndrome: insights from the LUNG SAFE study</b>
Abstract Presenter: Frank van Haren (Canberra, Australia)
<b>The effect of neurally adjusted ventilatory assist on sedation score and sedation load</b>
Abstract Presenter: Daniel Hadfield (London, United Kingdom)
<b>Integrated ultrasound protocol in predicting weaning success and failure: a prospective observational study</b>
Abstract Presenter: Riddhi Kundu (New Delhi, India)

## Scientific Programme

**Evaluation of diaphragmatic function using Tissue Doppler Imaging (TDI)  
- correlation with transdiaphragmatic (Pdi) parameters**

Abstract Presenter: Eleni Soilemezi (Thessaloniki, Greece)

**Using ultrasound of heart, lungs and diaphragm to predict weaning  
success: a prospective observational study**

Abstract Presenter: Mark Evert Haaksma (Amsterdam, Netherlands)

**Prolonged ICU stays and difficult-to-wean-patients: first year of  
experience in a french Post ICU Rehabilitation Center**

Abstract Presenter: Morgane Faure (Paris, France)

**Lung and diaphragm ultrasound in post-surgical patients to predict  
weaning failure**

Abstract Presenter: Andrea Colombo (Dijon, France)

**Application of the SpO2/FiO2 index as an indicator of the necessity and  
failure of Non-Invasive mechanical Ventilation (NIV) in the critical care  
setting**

Abstract Presenter: Juliana Gonzalez Londoño (Girona, Spain)

**Gas conditioning during noninvasive ventilation with helmet interface**

Abstract Presenter: Valeria Raggi (Roma, Italy)

**Current use of pain and sedation management on noninvasive  
mechanical ventilation in a pilot Korean multi-center observational study**

Abstract Presenter: Jaehwa Cho (Seoul, Korea, Republic of)

Simulation Centre  
09:15 - 10:15

Simulation Centre - Mechanical Ventilation Area

### Mechanical ventilation area

#lung

**Case scenario - Measurement of respiratory mechanics at the bedside:  
From basics to advanced**

**09:15**

Speaker: Giuseppe Foti (Monza, Italy)

Speaker: Guillaume Carteaux (Paris, France)

Simulation Centre  
09:15 - 10:15

Simulation Centre - TEE/TOE Area

### TEE/TOE area

#cardio

**Hands-on**

**09:15**

Speaker: Olfa Hamzaoui (Clamart, France)

Speaker: Anthony McLean (Sydney, Australia)

## Scientific Programme

Simulation Centre  
09:15 - 10:45

Simulation Centre - Basics of Bronchoscopy in ICU Area

### Basics of bronchoscopy in ICU area

#lung

#### Hands-on

09:15

Speaker: Paul Abraham (Lyon, France)  
Speaker: Gennaro De Pascale (Rome, Italy)  
Speaker: Brijesh Patel (London, United Kingdom)

Simulation Centre  
09:15 - 10:45

Simulation Centre - ECMO Area

### ECMO area

#cardio

#### Hands-on

09:15

Speaker: Emric Besnard (Paris, France)  
Speaker: Hugo Guillou (Paris, France)  
Speaker: Sabine Valera (Marseille, France)  
Speaker: Dinis Reis Miranda (Groningen, Netherlands)  
Speaker: Anne-Sophie Lequeulx (Paris, France)

Oral Presentations  
09:40 - 10:55

Paris

### Acute respiratory failure, clinical studies

Chair: Luigi Camporota (London, United Kingdom)  
Chair: Antonio Pesenti (Milan, Italy)

#### Prediction model for nosocomial pulmonary aspiration in patients needing ICU admission

09:40

Abstract Presenter: Emir Festic (Jacksonville, United States)

#### Protocol driven management improves outcomes in acute respiratory distress syndrome

09:55

Abstract Presenter: Abhijit Duggal (Cleveland, United States)

#### Respiratory system compliance, plateau pressure and driving pressure during spontaneous assisted breathing: association with clinical outcomes

10:10

Abstract Presenter: Alice Grassi (Monza, Italy)

#### The effect of using airway pressure release ventilation (APRV) mode on physiological dead space in comparison to Biphase positive airway pressure (BiPAP) mode. A randomized controlled trial

10:25

Abstract Presenter: Ahmed Kahwagy (Cairo, Egypt)

#### Nebulisation during nasal high flow therapy: a randomized clinical trial

10:40

Abstract Presenter: Stephan Ehrmann (Tours, France)

## Scientific Programme

Oral Presentations  
09:40 - 10:55

Berlin

### Cardiovascular experimental studies

Chair: Mervyn Singer (London, United Kingdom)  
Chair: Fernando Clau-Terré (Barcelona, Spain)

- |  |              |
|--|--------------|
| <b>Comparison of global enddiastolic volume index (GEDVI), extravascular lung water index (EVLWI) and cardiac index (CI) derived from transpulmonary thermodilution (TPTD) during high flow vs. low/no flow ECMO: the HEUREKA-III animal study</b> | <b>09:40</b> |
| Abstract Presenter: Wolfgang Huber (Munich, Germany)   |              |
| <b>Performance comparison of central and peripheral Eadyn for the evaluation of the coupling between left ventricle and arterial system</b>  | <b>09:55</b> |
| Abstract Presenter: Manuel Ignacio Monge García (Jerez de la Frontera, Spain)  |              |
| <b>Implication of Vasopressin in the vascular response to myocardial infarction and cardiogenic shock in a rat model</b>   | <b>10:10</b> |
| Abstract Presenter: Philippe Gaudard (Montpellier, France)   |              |
| <b>Acute heart failure and renal resistive index assessed by Doppler: application to a murine model</b>  | <b>10:25</b> |
| Abstract Presenter: Alice Blet (Paris, France)   |              |
| <b>Effects of hyperoxia on vascular tone in animal models: systematic review and Meta-analysis</b>   | <b>10:40</b> |
| Abstract Presenter: Bob Smit (C, Netherlands)  |              |

Oral Presentations  
09:40 - 10:55

Barcelona

### Trauma care

Chair: Luke Leenen (Utrecht, Netherlands)  
Chair: Sophie Hamada (Paris, France)

- |  |              |
|--|--------------|
| <b>Reporting the largest long term experience with diaphragm pacing for traumatic spinal cord injury: successfully decreasing mechanical ventilation</b> | <b>09:40</b> |
| Abstract Presenter: Raymond Onders (Cleveland, United States)  |              |
| <b>Copeptin improve the outcome prediction of blunt trauma patients by trauma triage scores</b>  | <b>09:55</b> |
| Abstract Presenter: Chien-Chang Lee (Taipei, Taiwan, Province of China)  |              |
| <b>Serial analysis of the immune cells in severe trauma patients</b>   | <b>10:10</b> |
| Abstract Presenter: Do Wan Kim (Gwangju, Korea, Republic of)   |              |
| <b>Infection after gunshot wound trauma in ICU: preliminary results from the EpiTAF study</b>  | <b>10:25</b> |
| Abstract Presenter: Sébastien Tanaka (Paris, France)   |              |
| <b>Incidence, risk factors and outcome of late hypercoagulability in trauma as measured by viscoelastic haemostatic assays</b>                           | <b>10:40</b> |
| Abstract Presenter: Mathijs R Wirtz (Amsterdam, Netherlands)   |              |

## Scientific Programme

Oral Presentations  
09:40 - 10:55

Geneva

### Optimising the management of severe infections in the ICU

Chair: Liesbet De Bus (Gent, Belgium)  
Chair: Jeroen Schouten (Radboud, Netherlands)

- |  |              |
|--|--------------|
| <b>Effect on ICU-mortality of early therapy with oseltamivir in critically ill patients with severe influenza pneumonia</b>                          | <b>09:40</b> |
| Abstract Presenter: Gerard Moreno (Tarragona, Spain)   |              |
| <b>Continuous infusion piperacillin in critically ill patients: predicting concentrations using published population pharmacokinetic models</b>      | <b>09:55</b> |
| Abstract Presenter: Sofie Dhaese (Ghent, Belgium)  |              |
| <b>Efficacy and pharmacokinetics of aerosolized vancomycin in methicillin-resistant Staphylococcus aureus pneumonia under mechanical ventilation</b> | <b>10:10</b> |
| Abstract Presenter: Jun Yeon Cho (Seongnam, Korea, Republic of)  |              |
| <b>Elaboration of consensus endpoints to evaluate antimicrobial treatment efficacy in future HABP/VABP clinical trials</b>                           | <b>10:25</b> |
| Abstract Presenter: Emmanuel Weiss (Clichy, France)  |              |
| <b>Does dosing of piperacillin-tazobactam in critically ill patients on ECMO need to change? A pharmacokinetics study</b>                            | <b>10:40</b> |
| Abstract Presenter: Vesa Cheng (Brisbane, Australia)   |              |

Oral Presentations  
09:40 - 10:55

Rome

### Sepsis pathobiology

Chair: Didier Payen de la Garanderie (Paris, France)  
Chair: Luciano Gattinoni (Milan, Italy)

- |   |              |
|---|--------------|
| <b>Cytokine profile of pediatric sepsis patients: preliminary results of a cohort study</b>   | <b>09:40</b> |
| Abstract Presenter: Vanessa S. Lanziotti (Rio de Janeiro, Brazil)   |              |
| <b>Blood genomic profile in hypothermic sepsis differs from febrile sepsis patients</b>   | <b>09:55</b> |
| Abstract Presenter: Matthew Harmon (Amsterdam, Netherlands)   |              |
| <b>Composition of alveolar myeloid cells is altered and their phagocytic capacity is decreased in septic shock patients</b>             | <b>10:10</b> |
| Abstract Presenter: Tomasz Skirecki (Warsaw, Poland)  |              |
| <b>Metabolic profiles in sepsis evolve over time</b>  | <b>10:25</b> |
| Abstract Presenter: David B Antcliffe (London, United Kingdom)  |              |
| <b>Blockade of beta-3 adrenergic receptor ameliorates septic cardiomyopathy through the improvement of cardiac fatty acid oxidation</b> | <b>10:40</b> |
| Abstract Presenter: Satoshi Kawaguchi (Asahikawa, Japan)  |              |

## Scientific Programme

Oral Presentations  
09:40 - 10:55

Stockholm

### ECMO

Chair: Alain Combes (Paris, France)  
Chair: Morten Hylander Møller (Copenhagen, Denmark)

- |  |              |
|--|--------------|
| <b>The train ECMO international survey: hemoglobin trigger and approach to RBC transfusions during veno-venous extracorporeal membrane oxygenation</b>   | <b>09:40</b> |
| Abstract Presenter: Gennaro Martucci (Palermo, Italy)  |              |
| <b>Combination of prone position during veno venous extracorporeal membrane oxygenation: effects on extra corporeal membrane oxygenation weaning and ICU survival</b>                              | <b>09:55</b> |
| Abstract Presenter: Christophe Guervilly (Marseille cedex 20, France)  |              |
| <b>Cardiac index during ECMO derived from conventional transpulmonary thermodilution vs. transpulmonary thermodilution with pulmonary arterial indicator injection: the HEUREKA-I animal study</b> | <b>10:10</b> |
| Abstract Presenter: Wolfgang Huber (Munich, Germany)   |              |
| <b>A systematic review of the effectiveness of extracorporeal membrane oxygenation (ECMO) to treat severe acute respiratory failure in adults</b>  | <b>10:25</b> |
| Abstract Presenter: Eduardo Cabral Camacho (São Paulo, Brazil)   |              |
| <b>How much airway pressure to apply while resting the lungs in severe ARDS supported with ECMO?</b>   | <b>10:40</b> |
| Abstract Presenter: Alejandro Bruhn (Santiago, Chile)  |              |

Oral Presentations  
09:40 - 10:55

Lisbon

### Sedation & delirium

Chair: Claudia Spies (Berlin, Germany)  
Chair: Mathieu van der Jagt (Rotterdam, Netherlands)

- |   |              |
|---|--------------|
| <b>Preoperative cognitive dysfunction and the incidence of postoperative delirium in elderly oncologic patients</b>   | <b>09:40</b> |
| Abstract Presenter: Irina Ristescu (Iasi, Romania)  |              |
| <b>Effectiveness and safety of a flexible family visitation model for delirium prevention in adult intensive care units: a cluster-randomized, crossover trial (The ICU Visits Study)</b> | <b>09:55</b> |
| Abstract Presenter: Regis Goulart Rosa (Porto Alegre, Brazil)   |              |
| <b>Delirium, expectation and mortality</b>  | <b>10:10</b> |
| Abstract Presenter: Ahmed Al-Hindawi (London, United Kingdom)   |              |
| <b>Calculating PRE-DELIRIC model with SAPS II for early detection of delirium in ICU Patients</b>   | <b>10:25</b> |
| Abstract Presenter: Marco Sampaio (Porto, Portugal)   |              |
| <b>Conscious sedation versus general anesthesia for thrombectomy in acute ischemic stroke. Does it really make a difference?</b>  | <b>10:40</b> |
| Abstract Presenter: Sara Alcántara Carmona (Majadahonda, Spain)   |              |



## Scientific Programme

Oral Presentations  
09:40 - 10:55

Athens

### Nutrition in specific conditions

Chair: Steffen Weber-Carstens (Berlin, Germany)  
Chair: Pierre Singer (Petah Tiqva, Israel)

- |   |              |
|---|--------------|
| <b>Metabolomic basis for clinical response to high dose vitamin D in critical illness</b>   | <b>09:40</b> |
| Abstract Presenter: Kenneth Christopher (Boston, United States)   |              |
| <b>Prognostic relationship between the Maximum Acute Gastrointestinal Injury score and caloric intake in critically ill patients requiring vasopressors: a multicenter cohort study from the Sociedad Argentina de Terapia Intensiva (SATI)</b> | <b>09:55</b> |
| Abstract Presenter: Cecilia Inés Loudet (La Plata, Argentina)   |              |
| <b>Liver steatosis in brain-dead donors, progressing pattern and affecting factors</b>  | <b>10:10</b> |
| Abstract Presenter: KyuHyouck Kyoung (Ulsan, Korea, Republic of)  |              |
| <b>Prevalence, nutrition risk evaluation and resource use of frail critically ill patients undergoing nutrition support therapy in a Brazilian tertiary hospital</b>  | <b>10:25</b> |
| Abstract Presenter: Leandro Taniguchi (Sao Paulo, Brazil)   |              |
| <b>Prospective observational study on vitamin D levels in liver transplantation recipients. DLiverX study</b>   | <b>10:40</b> |
| Abstract Presenter: Gennaro Martucci (Palermo, Italy)   |              |

Oral Presentations  
09:40 - 10:55

Vienna

### Information systems in the ICU

Chair: Paul Elbers (Amsterdam, Netherlands)  
Chair: Peter van der Voort (Amsterdam, Netherlands)

- |  |              |
|--|--------------|
| <b>Reducing length of stay in ICU patients and workload of the care team members by implantation of information system and care bundle in ICU</b>    | <b>09:40</b> |
| Abstract Presenter: Chun-Chieh Chao (Taipei, Taiwan, Province of China)  |              |
| <b>Factors associated to poor outcome and management in critically ill elderly patients</b>  | <b>09:55</b> |
| Abstract Presenter: Ane Marculeta Juanicorena (Galdakao-Usansolo, Spain)   |              |
| <b>ABO blood group and short-term and long-term mortality in a large cohort of ICU patients</b>  | <b>10:10</b> |
| Abstract Presenter: M.W.N. Nijsten (Groningen, Netherlands)  |              |
| <b>Association of the Modified Frailty Index (MFI) with resource use and short-term outcomes in 129,680 critically ill patients</b>                  | <b>10:25</b> |
| Abstract Presenter: Fernando Zampieri (São Paulo, Brazil)  |              |
| <b>Validity of a modified sequential organ failure assessment using the richmond agitation-sedation scale in an international multicenter cohort</b> | <b>10:40</b> |
| Abstract Presenter: Shayan Rakhit (Nashville, United States)   |              |

## Scientific Programme

Oral Presentations  
09:40 - 10:55

Glasgow

### End-of-life practices

Chair: Rik Gerritsen (Leeuwarden, Netherlands)  
Chair: Nancy Kentish-Barnes (Paris, France)

**Ethical decision-making climate and intent to jobleave in the ICU** **09:40**  
Abstract Presenter: Bo Van den Bulcke (Gent, Belgium)

**Timing is everything: early DNR in the ICU matters for patient outcomes** **09:55**  
Abstract Presenter: Lindsay Lief (New York, United States)

**A quarter of cardiac arrest survivors admitted to an ICU in Greece should not have been resuscitated. The need for a Do Not Attempt Resuscitation (DNAR) policy** **10:10**  
Abstract Presenter: Ioannis Andrianopoulos (Ioannina, Greece)

**Identifying improvement opportunities for patient- and family-centered care in the ICU: using qualitative methods to understand family perspectives** **10:25**  
Abstract Presenter: Matty Koopmans (Leuuwarden, Netherlands)

**Ethical decisions in patients with severe acute respiratory failure: determining factors, time of decision and impact on outcome: the eDecide project An ancillary analysis of LUNG SAFE study** **10:40**  
Abstract Presenter: Marie Berleur (Colombes, France)

Interactive Debates  
09:45 - 10:45

Interactive Debates

### Endpoints of fluid resuscitation

#cardio

What is fluid responsiveness? Variables to assess fluid responsiveness, the physiology of being fluid responsive/unresponsive, clinical use and advantage of using fluid unresponsiveness as a clinical end-point, the sense/nonsense of fluid resuscitation

Chair: Azriel Perel (Tel Aviv, Israel)

**Debate** **09:45**  
Speaker: Xavier Monnet (Paris, France)  
Speaker: Sheldon Magder (Montreal, Canada)  
Speaker: Manu Malbrain (Antwerp, Belgium)

Tech Lounge  
10:00 - 11:00

Tech Lounge

### Technology by the bedside: Bringing humans & technology together

#tech

Chair: Theodoros Kyprianou (Nicosia, Cyprus)  
Chair: Carole Boulanger (Exeter, United Kingdom)

## Scientific Programme

<b>Bringing humans &amp; technology together in the ICU</b>	<b>10:00</b>
Speaker: Geert Meyfroidt (Leuven, Belgium)	
<b>"Alexa, can you order a FBC, please?"</b>	<b>10:15</b>
Speaker: Matthieu Komorowski (London, United Kingdom)	
<b>Waveform data - Making it useful by the bedside</b>	<b>10:30</b>
Speaker: Ari Ercole (Cambridge, United Kingdom)	
<b>Discussion</b>	<b>10:45</b>

NEXT Lounge  
10:00 - 11:00

NEXT Lounge

## NEXT 2025: The future of Intensive Care

#ESICMNEXT

Chair: Stefan Schaller (Munich, Germany)  
Chair: Victoria Bennett (London, United Kingdom)

<b>Delirium - the era post scoring?</b>	<b>10:00</b>
Speaker: Geeta Mehta (Toronto, Canada)	
Speaker: Arjen Slooter (Utrecht, Netherlands)	

Poster Corner  
10:10 - 12:10

Poster corner

## Acute Kidney Injury, clinical studies

Chair: Michael Darmon (Saint-Etienne, France)  
Chair: Michael Joannidis (Innsbruck, Austria)

<b>Influence of contrast media on patient with septic acute kidney injury</b>	
Abstract Presenter: Yuya Goto (Tochigi, Japan)	
<b>Impact of dexmedetomidine on acute kidney injury following living donor liver transplantation: a randomized controlled pilot study</b>	
Abstract Presenter: Kyeo-Woon Jung (Seoul, Korea, Republic of)	
<b>Is CKD-EPI equation appropriate for the estimation of glomerular filtration in critically ill patients with augmented renal clearance?</b>	
Abstract Presenter: Yaiza Rovira (Badalona, Spain)	
<b>Perioperative use of 6% balanced hydroxyethyl starch following cardiopulmonary bypass: perspectives of renal function</b>	
Abstract Presenter: Ju Yong Lim (Seoul, Korea, Republic of)	
<b>Augmented renal clearance: an epidemiological multicentre study</b>	
Abstract Presenter: Yaiza Rovira (Badalona, Spain)	
<b>The use of renal doppler ultrasonography in critically ill patients with acute kidney injury</b>	
Abstract Presenter: Rogério Passos (Salvador, Brazil)	

## Scientific Programme

### **Base deficit is a predictive factor of AKI in major trauma patients**

Abstract Presenter: Jin Young Lee (Cheongju-si, Korea, Republic of)

### **Description of nephrotoxicity and infections associated with colistin in a intensive care unit**

Abstract Presenter: Nadia Pires (Rosario, Argentina)

### **Evaluation of high oxygen affinity of bovine PEGylated Carboxyhemoglobin (PEG-COHB) on the renal oxygenation and function in septic rats**

Abstract Presenter: Bulent Ergin (Amsterdam, Netherlands)

### **Exploring early diagnostic markers of acute kidney injury in sepsis by metabolomics methods**

Abstract Presenter: Yingchuan Li (Shanghai, China)

### **Metabolomic characteristics and expression of urinary biomarkers in patients developing acute kidney injury after cardiopulmonary bypass**

Abstract Presenter: Baptiste Fohlen (Paris, France)

### **Calculating kinetic glomerular filtration rate in the intensive care unit as an early way to detect acute kidney injury**

Abstract Presenter: Eduardo Nájera (Mexico City, Mexico)

### **Using serum creatinine to estimate glomerular filtration rate (GFR) may be inadequate in patients with rapidly-changing renal function**

Abstract Presenter: Maria Dolores Arias-Verdu (Málaga, Spain)

### **Right dose, right now: volume-based urine collection to assess creatinine clearance in the critically ill**

Abstract Presenter: Lucas Fleuren (Amsterdam, Netherlands)

Poster Corner  
10:10 - 12:10

Poster corner

## **Weaning from mechanical ventilation**

Chair: Jordi Mancebo Cortes (Barcelona, Spain)  
Chair: Cesare Gregoretti (Palermo, Italy)

### **Epidemiology of weaning outcomes according to the WIND classification**

Abstract Presenter: Ryoung-Eun Ko (Seoul, Korea, Republic of)

### **The use of the WIND classification for weaning from mechanical ventilation applied to Brazilian critically ill patients**

Abstract Presenter: Alessandra Fabiane Lago (Ribeirão Preto, Brazil)

### **Age and mental status influence on extubation success**

Abstract Presenter: Chamali Aluwihare (London, United Kingdom)

### **Thoracic fluid content: a novel parameter for predicting failure of weaning from mechanical ventilation**

Abstract Presenter: Mohamed Raafat (Cairo, Egypt)

### **A pilot study to develop the feasibility of patient-controlled ventilatory weaning using neutrally adjusted ventilatory assist**

Abstract Presenter: Daniel Hadfield (London, United Kingdom)

## Scientific Programme

**Role of lung aeration pattern using ultrasonography in predicting failure of spontaneous breathing trial in mechanically ventilated patients**

Abstract Presenter: Akram Fayed (Alexandria, Egypt)

**Clinical outcome of difficult-to-wean patients with ventilator dependency at intensive care unit discharge**

Abstract Presenter: Joo Han Song (Seoul, Korea, Republic of)

**Changes over time in the liberation from mechanical ventilation 1998-2016**

Abstract Presenter: Oscar Peñuelas (Getafe, Spain)

**Heart rate variability evaluation during weaning from mechanical ventilation**

Abstract Presenter: Bocher Simon (Brest, France)

**Long-term mechanical ventilation-dependent patients in ICU transferred to a home mechanical ventilation unit**

Abstract Presenter: Olga Moreno Romero (Granada, Spain)

**A comparison between five predicting tests; the search for an ideal weaning predictor continues**

Abstract Presenter: Christina Spyridonidou (Thessaloniki, Greece)

**Physiologic comparison of the diaphragm behavior on spontaneous breathing (SB), pressure support ventilation (PSV) and proportional assisted ventilation with load-adjustable gain factor (PAV+) on acute increase of the ventilatory demand**

Abstract Presenter: Patricia Nery de Souza (São Paulo, Brazil)

**Liberation from the ventilator: an observational study of extubation failure in a district general hospital in Scotland**

Abstract Presenter: Jonathan Neil (Paisley, United Kingdom)

**Carbon dioxide production and ventilatory inefficiency along a T-piece spontaneous breathing trial are associated with difficult weaning**

Abstract Presenter: René López (Santiago, Chile)

Poster Corner  
10:10 - 12:10

Poster corner

## Cardiovascular epidemiology & outcome

Chair: Alain Cariou (Paris, France)  
Chair: Alexandre Mebazaa (Paris, France)

**Sex-related differences in patients who suffered an acute coronary syndrome**

Abstract Presenter: Alejandro Ubeda (Algeciras, Spain)

**Trends and outcome of patients with complicated infective endocarditis in intensive care unit; a 20 years retrospective study**

Abstract Presenter: Farook Ahmad (Kuala Lumpur, Malaysia)

**Diagnostic process of acute heart failure in the ICU, impact on mortality (ICAUCI study group)**

Abstract Presenter: Samuel Fernandez (Sabadell, Spain)

**Predictive model for shock in patients with acute coronary syndrome**

Abstract Presenter: Alejandro Ubeda (Algeciras, Spain)

## Scientific Programme

**A retrospective observational cohort study of patients admitted to a mixed medical and surgical intensive care unit in the United Kingdom with atrial fibrillation: incidence, risk factors and treatment efficacy**

Abstract Presenter: Brian Johnston (Liverpool, United Kingdom)

**Combination copeptin with troponin for early exclusion of myocardial infarction in the emergency department: a systematic review and meta-analysis**

Abstract Presenter: Chien-Chang Lee (Taipei, Taiwan, Province of China)

**Predictive model of mortality for patients with acute coronary syndrome**

Abstract Presenter: Alejandro Ubeda Iglesias (Algeciras, Spain)

**Prognostic value of admission blood glucose level in critically ill patients admitted to cardiac intensive care unit according to the presence or absence of diabetes mellitus**

Abstract Presenter: Sua Kim (Ansan, Korea, Republic of)

**Advanced age as a risk factor for postoperative bleeding in the intensive care unit after left ventricular assist device implantation**

Abstract Presenter: Ryota Sakaguchi (Suita, Japan)

**Atrial fibrillation incidence and prophylaxis adherence post cardiac surgery**

Abstract Presenter: Hannah Burns (London, United Kingdom)

**High sensitive troponin T predicts myocardial ischemia and mortality in medical-surgical ICU**

Abstract Presenter: Gloria Kotnik (Ljubljana, Slovenia)

**LOS and mortality evolution in the acute myocardial infarction in a polyvalent ICU across 15 years**

Abstract Presenter: Jessica Ruiz (Terrassa, Barcelona, Spain)

**Intensive care outcome of left main stem disease surgery**

Abstract Presenter: Amr Omar (Doha, Qatar)

**The association of circadian mean arterial pressure variation with mortality: an retrospective cohort study**

Abstract Presenter: Gang Wang (Xi'an, China)

**Autonomic system evaluation in critically ill patient and its relation with ICU mortality**

Abstract Presenter: Carmen Hernandez Cardenas (Tlalplan, Mexico)

Poster Corner  
10:10 - 12:10

Poster corner

## Outcomes of the ICU

Chair: Hans Flaatten (Bergen, Norway)  
Chair: Bertrand Guidet (Paris, France)

**Outcome of NIV in critical care setting: 5-year experience from a tertiary care center**

Abstract Presenter: Maria Esteves Brandão (Vila Real, Portugal)

**Factors predicting mortality for acute exacerbation of chronic obstructive pulmonary disease (AE/COPD) in a Tunisian ICU**

Abstract Presenter: Mohamed Boussarsar (Sousse, Tunisia)

## Scientific Programme

**Economic impact of an outbreak of extensively drug-resistant bacteria in an intensive care unit**

Abstract Presenter: Enora Atchade (Paris, France)

**Analysis of patients older than 80 years admitted in intensive care unit**

Abstract Presenter: Maria Dolores Pola-Gallego-de-Guzmán (Jaen, Spain)

**Factors related to delayed ICU admission from emergency department**

Abstract Presenter: Mia Aitavaara (Oulu, Finland)

**Readmissions in ICU during same hospitalisation: risk factors, reasons and outcome**

Abstract Presenter: Kapil Zirpe (Pune, India)

**Retrospective study of use of glucometrics to compare glucose control in medical and surgical intensive care units**

Abstract Presenter: Subhal Dixit (Pune, India)

**Patient selection and attendance/non-attendance at critical care rehabilitation clinic**

Abstract Presenter: Eriko Morino (Kingston-upon-Thames, United Kingdom)

**Measurement and analysis of noise levels in ICU**

Abstract Presenter: Georgia Vasileiadou (Thessaloniki, Greece)

**How much does sepsis cost? Economic impact of sepsis in Catalonia**

Abstract Presenter: Carol Lorenzo (Girona, Spain)

**Hyperoxia effects on intensive care unit mortality: a retrospective pragmatic cohort study**

Abstract Presenter: Mathilde Ruggiu (Paris, France)

**Elderly patients admitted to intensive care units: descriptive analysis and mortality related factors. Data from the 2013-2016 ENVIN-HELICS Registry**

Abstract Presenter: Naia Mas Bilbao (Galdakao, Spain)

**Implementing specialized Intensivist lead multidisciplinary critical care in allogeneic hematopoietic stem cell transplantation patients improves ICU survival**

Abstract Presenter: Tobias Liebrechts (Essen, Germany)

**A tailored multicomponent program for discomfort reduction in the ICU decreases the incidence of PTSD at one year: a case-control multicenter study**

Abstract Presenter: Pierre Kalfon (Chartres, France)

**Can we predict weaning outcome in multiple trauma patients by using diaphragmatic rapid shallow breathing index (D-RSBI)?**

Abstract Presenter: Golnar Sabetian (Shiraz, Iran, Islamic Republic of)

**Agreement between chest radiography and lung ultrasound in the existence of concomitant pneumonia and pleural effusion in ICU patients**

Abstract Presenter: Gul Gursel (Ankara, Turkey)

**Relationship between sonographic measurement of rectus femoris and vastus intermedius muscles with conventional biochemical parameters to assess the nutritional status in the intensive care unit**

Abstract Presenter: Alma E. Hernández-Plata (León, Mexico)

## Scientific Programme

Poster Corner  
10:10 - 12:10

Poster corner

### Managing ICU infections

Chair: Despoina Koulenti (Brisbane, Australia)  
Chair: Hendrik Bracht (Ulm, Germany)

**Important changes in clinical presentation and outcomes of patients treated for severe malaria in a referral French university hospital from 2004 to 2017**

Abstract Presenter: Jordane Lebut (Paris, France)

**Diagnostic and prognostic value of HMGB1 for patients with late-onset ventilator-associated pneumonia**

Abstract Presenter: Liang Dong (Wuxi, China)

**Catheter associated urinary tract infections in an intensive care unit of a teaching hospital in Istanbul**

Abstract Presenter: Asuman Inan (Istanbul, Turkey)

**Diagnostic and prognostic value of HMGB1 for patients with abdominal infection of severe acute pancreatitis**

Abstract Presenter: Liang Dong (Wuxi, China)

**Outcome of influenza related intensive care unit admissions in 2017- 2018 flu season: a multicenter study from Turkey**

Abstract Presenter: Ebru Ortac Ersoy (Ankara, Turkey)

**Intensive care in tetanus: management, complications and mortality in 13 cases**

Abstract Presenter: Sabrine Bradai (Sfax, Tunisia)

**Multidrug-resistant pattern in a tertiary hospital ICU in Spain**

Abstract Presenter: Maria Carmen Molina De la torre (Jaen, Spain)

**MDR colonization: what's the matter in the perioperative setting?**

Abstract Presenter: Annalisa Lerosé (Verona, Italy)

**A point prevalence study of ventilator associated pneumonia (VAP) across four London ICUs**

Abstract Presenter: Nirav Shah (London, United Kingdom)

**Hospital-acquired infections due to Enterobacteriaceae in critical care**

Abstract Presenter: Mohamed Ahmed Boujelbèn (Ben Arous, Tunisia)

**The rate of the catheter-related urinary system infection after constructive training to the staff in the intensive care unit**

Abstract Presenter: Cetin Kaymak (Ankara, Turkey)

**Clinical outcome, microbiological spectrum and antibiotic susceptibility of clinical isolates from adult intensive care unit in a tertiary care hospital in India**

Abstract Presenter: Arijit Sardar (New Delhi, India)

**Nosocomial bacterial meningitis (NBM) in the ICU: a two year retrospective study**

Abstract Presenter: Maria Panagiota Almyroudi (Athens, Greece)

**The unrecognized in-ICU days of TB patients without isolation in South Korea**

Abstract Presenter: Eun Lee (Incheon, Korea, Republic of)

**Evolution of the microbial flora in patients of a Greek ICU over two decades**

Abstract Presenter: Athina Lavrentieva (Thessaloniki, Greece)



## Scientific Programme

### **Acinetobacter baumannii patterns and course in a tertiary-care mixed-type ICU**

Abstract Presenter: Volkan Inal (Edirne, Turkey)

### **Association of ABO Rh blood group with dengue fever & thrombocytopenia**

Abstract Presenter: Kapil Borawake (Pune, India)

### **Epidemiology and prognosis of ICU nosocomial ventilator-associated pneumonia**

Abstract Presenter: Nasreddine Foudhaili (Tunis, Tunisia)

### **Ventilator-associated pneumonia in an intensive care unit of a teaching hospital in Istanbul**

Abstract Presenter: Asu Ozgultekin (Istanbul, Turkey)

Poster Corner  
10:10 - 12:10

Poster corner

## Endocrine disorders - Liver failure

Chair: Valentin Fuhrmann (Hamburg, Germany)  
Chair: Jean-Charles Preiser (Brussels, Belgium)

### **Hyperglycemia was not a risk factor for mortality in malnourished critically ill patients**

Abstract Presenter: Marina Viana (Porto Alegre, Brazil)

### **The association of age and steroid use with insulin resistance in ICU patients: a cohort study**

Abstract Presenter: Ioana E. Drogt-Bilaseschi (Groningen, Netherlands)

### **Features and monitoring of liver transplants from donation after cardiac death in a Spanish hospital**

Abstract Presenter: Elena Trujillo García (Málaga, Spain)

### **Prediction of outcome in severe acute pancreatitis: a prospective comparison of the BISAP-, APACHE-II- and Ranson-Score with the "quick-BISAP-score"**

Abstract Presenter: Wolfgang Huber (Munich, Germany)

### **Glycemic variability and infections in critically ill patients**

Abstract Presenter: Sandra Mulet Mascarell (Valencia, Spain)

### **Impact of chloride level on outcome in critically ill patients**

Abstract Presenter: Ziad Abdelhalim (Alexandria, Egypt)

### **Evaluation of glycemic status in critically ill Indian patients: a prospective observational study**

Abstract Presenter: Vijay Sundarsingh S (Lucknow, India)

### **Acute pancreatitis in critical care area: epidemiology of 127 cases in a Spanish hospital**

Abstract Presenter: Alvaro Nieto García (A Coruña, Spain)

### **Fucoidan, a natural sulfated polysaccharide, attenuates uptake of advanced glycation end-products by macrophages**

Abstract Presenter: Shinichi Hamasaki (Osakasayama, Japan)

### **Sodium input in intensive care**

Abstract Presenter: Nik Samal (Newcastle upon Tyne, United Kingdom)

## Scientific Programme

### **Influence of complications of diabetic ketoacidosis treatment on length of stay in intensive care unit**

Abstract Presenter: Laura Jazokaitė (Kaunas, Lithuania)

### **Nutrition in pancreatitis: a tertiary centre experience**

Abstract Presenter: Sarah Milton-White (Birmingham, United Kingdom)

### **Risk factors for raised glycosylated hemoglobin at ICU admission**

Abstract Presenter: Danielle Prevedello (Brussels, Belgium)

### **Serum S100B is associated with the severity of liver cirrhosis, rather than the severity of hepatic encephalopathy**

Abstract Presenter: Changhwan Kim (Jeju-si, Korea, Republic of)

### **Efficacy of coupled plasma filtration adsorption (CPFA) in patients with liver disease**

Abstract Presenter: Maria Dolores Arias-Verdu (Málaga, Spain)

### **Severe acute liver injury: etiologies and outcome**

Abstract Presenter: Nasreddine Foudhaili (Tunis, Tunisia)

Poster Corner  
10:10 - 12:10

Poster corner

## Acute brain injury

Chair: Tarek Sharshar (Paris, France)  
Chair: Romain Sonnevile (Paris, France)

### **Association between use of mannitol and hypertonic saline on mortality in patients with moderate to severe traumatic brain injury**

Abstract Presenter: Markus Skrifvars (Helsinki, Finland)

### **Evolution of the quality of life after traumatic brain injury between two monitoring periods of 1 and 3-4 years**

Abstract Presenter: Maria Guerrero-Marin (Jaen, Spain)

### **Safety of a neuromuscular electrostimulation protocol in patients with traumatic brain injury submitted to invasive mechanical ventilation**

Abstract Presenter: Lorraine Nunes (Brasília, Brazil)

### **Tracheostomy in patients with acute brain injury: a prospective observational study**

Abstract Presenter: Edoardo Picetti (Parma, Italy)

### **Barbiturate coma vs secondary decompressive craniectomy in traumatic intracranial hypertension treatment: a retrospective 6-year trial in a tertiary hospital**

Abstract Presenter: João Francisco Martins (Coimbra, Portugal)

### **Effect of antibiotic-impregnated external ventricular drains versus standard ones, in increasing number of free infection days in patients of a general intensive care unit**

Abstract Presenter: Athanasia Tsirogianni (Lamia, Greece)

### **Does physical therapy care provided within 24 hours improve outcomes compared to physical therapy provided within 18 hours in trauma intensive care unit? A cohort study**

Abstract Presenter: Lara Rocha (Brasília, Brazil)

## Scientific Programme

**Glycemic variability in patients admitted to the ICU due to TBI and its relationship with morbidity and mortality**

Abstract Presenter: Juan Francisco Martínez Carmona (Málaga, Spain)

**Milrinone as a rescue therapy for refractory cerebral vasospasm after subarachnoid hemorrhage: a 5 years review**

Abstract Presenter: François Alves (Santa Maria da Feira, Portugal)

**Effects of acute subdural hematoma on cerebral nitrosative stress in a porcine resuscitated model**

Abstract Presenter: Tamara Merz (Ulm, Germany)

**Role of H2S enzymes in a porcine resuscitation model of traumatic brain injury**

Abstract Presenter: Sarah Unmuth (Ulm, Germany)

**Intracranial pressure monitoring with a ventricular device is not gold standard due to the zero reference point**

Abstract Presenter: Jesús Cabrera-Arrocha (Las Palmas de Gran Canaria, Spain)

**Acute energy metabolism in patients after severe traumatic brain injury**

Abstract Presenter: Jelmer Joost Lenstra (Groningen, Netherlands)

**New prognostic marker in traumatic brain injury patients: pBtO2/paO2 ratio**

Abstract Presenter: Rafael Badenes (Valencia, Spain)

**Leucocyte profiles as simple immunomonitoring tools and their association with outcome in subarachnoid hemorrhage: a retrospective cohort study**

Abstract Presenter: Charles L Francoeur (Québec, Canada)

**Preserve encephalus in surgery of trauma: online survey (P.E.S.T.O.)**

Abstract Presenter: Edoardo Picetti (Parma, Italy)

**The role of brain tissue PtiO2 monitoring after severe subarachnoid haemorrhage (SAH)**

Abstract Presenter: Eleni Lazoudi (Thessaloniki, Greece)

Poster Corner  
10:10 - 12:10

Poster corner

## Biomarkers in sepsis

Chair: Pedro Pova (Lisbon, Portugal)

Chair: Jean Chastre (Paris, France)

**The role of hepcidin in innate immune response and survival during septic shock in critically ill adults**

Abstract Presenter: Ralph Fuchs (Gisborne, New Zealand)

**Lower serum kallistatin level is associated with 28-day mortality in patients with septic shock**

Abstract Presenter: Hwain Jeong (Seoul, Korea, Republic of)

**The effects of septic state on plasma orexin concentrations in human: a preliminary study**

Abstract Presenter: Masahiro Akaishi (Hirosaki-shi, Japan)

**Study of the changes and roles of BMP-2 and BMP-4 in early phase of sepsis**

Abstract Presenter: Yan Wen (Xiamen, China)

## Scientific Programme

**Prognostic value of serum cholinesterase activity in septic shock**

Abstract Presenter: Sabrina Bradai (Sfax, Tunisia)

**MR proadrenomedulin, procalcitonin, C-reactive protein as prognostic biomarkers of mortality in abdominal sepsis after surgery admitted to the ICU**

Abstract Presenter: Francisco Valenzuela-Sánchez (Jerez de la Frontera, Spain)

**N-terminal pro-B-type natriuretic peptide is a good predictor of mortality in patients with sepsis admitted to the ICU**

Abstract Presenter: Francisco Valenzuela-Sánchez (Jerez de la Frontera, Spain)

**Role of novel biomarker MR-proADM in diagnosis and prognosis of sepsis**

Abstract Presenter: Ramón Cicuéndez (Valladolid, Spain)

**Apelin-13 and ELABELA-induced metabolic signature during experimental sepsis**

Abstract Presenter: Eugénie Delile (Sherbrooke, Canada)

**NanoSepsis: nanoparticle based biomarker discovery in sepsis**

Abstract Presenter: Andrew Claxton (Manchester, United Kingdom)

**Cholesterol oxidation in sepsis**

Abstract Presenter: Anna Kleyman (London, United Kingdom)

**The effects of epinephrine and propranolol on the expression of tumor necrosis factor- $\alpha$  mRNA induced by lipopolysaccharide in RAW 264.7 cells**

Abstract Presenter: Yoshihiro Fujiwara (Nagakute, Japan)

**Inflammatory markers and lung injury in an ovine model of 0.9% saline resuscitated endotoxemic shock**

Abstract Presenter: Margaret Passmore (Chermside, Brisbane, Australia)

**Comparison between procalcitonin and C-reactive protein as sepsis diagnostic marker**

Abstract Presenter: Silvia Zampieri (Verona, Italy)

**Association between plasma cell-free hemoglobin and mortality in patients with sepsis**

Abstract Presenter: Do Yun Kim (Seongnam-si, Gyeonggi-do, Korea, Republic of)

**Time-dependent changes of soluble CD14 subtype (presepsin) after uncomplicated major surgery: comparison with procalcitonin, CRP, and leukocytes**

Abstract Presenter: Marek Protuř (Prague, Czech Republic)

Unplugged Session  
10:30 - 11:00

Arena

### Derek Angus Unplugged

#outcomes

Chair: Lui Forni (Surrey, United Kingdom)

**Yet another negative ICU trial. What are we doing wrong and what will the future of ICU research look like?**

10:30

Speaker: Derek Angus (Pittsburgh, United States)

## Scientific Programme

Simulation Centre  
10:30 - 11:30

Simulation Centre - Mechanical Ventilation Area

### Mechanical ventilation area

#lung

#### **Case scenario - Alveolar recruitment and PEEP setting based on respiratory mechanics**

**10:30**

Speaker: Lise Piquilloud (Lausanne, Switzerland)  
Speaker: Claude Guérin (Lyon, France)

Simulation Centre  
10:30 - 11:30

Simulation Centre - TEE/TOE Area

### TEE/TOE area

#cardio

#### **Hands-on**

**10:30**

Speaker: Armand Mekontso Dessap (Créteil, France)  
Speaker: Xavier Repesse (Paris, France)

Clinical Challenges Session  
11:00 - 11:50

Paris

### **How do I manage post resuscitation care following cardiac arrest?**

#trauma

Chair: Claudio Sandroni (Rome, Italy)

#### **Presentation**

Speaker: Markus Skrifvars (Helsinki, Finland)

Clinical Challenges Session  
11:00 - 11:50

Berlin

### **How do I use lactate levels in clinical practice?**

#cardio

Chair: Jean-Louis Vincent (Brussels, Belgium)

#### **Presentation**

Speaker: Jan Bakker (Rotterdam, Netherlands)

## Scientific Programme

Clinical Challenges Session  
11:00 - 11:50

Barcelona

### How do I investigate the cause of AKI?

#renal

How do I assess the cause of AKI (including rare causes like AIN, vasculitis, ...). What tools do I use, e.g. lab/urine, biomarkers, ultrasound, HD assessment (PPV, CVP, CI, ...). Use of automated urine meters.

Chair: John Prowle (London, United Kingdom)

#### Presentation

Speaker: Antoine Schneider (Lausanne, Switzerland)

Thematic Session  
11:00 - 12:00

Geneva

### Ventilator induced dyaphragmatic dysfunction

#lung

Chair: Giacomo Bellani (Monza, Italy)

Chair: Samir Jaber (Montpellier, France)

#### Is dysfunction simply weakness?

11:00

Speaker: Samir Jaber (Montpellier, France)

#### Discussion

11:15

#### How to monitor it

11:20

Speaker: Ewan Goligher (Toronto, Canada)

#### Discussion

11:35

#### How to deal with it

11:40

Speaker: Leo Heunks (Neimegen, Netherlands)

#### Discussion

11:55

Clinical Challenges Session  
11:00 - 11:50

Rome

### How do I understand pulse pressure variation 20 years later?

#cardio

Chair: Simon Vistisen (Aarhus, Denmark)

#### Presentation

11:00

Speaker: Frederic Michard (Lausanne, Switzerland)

## Scientific Programme

Clinical Challenges Session  
11:00 - 11:50

Stockholm

### How do I manage fever in patients with severe infections?

#micro

Chair: Jordi Rello (Barcelona, Spain)

#### Presentation

Speaker: Frédérique Schortgen (Paris, France)

Thematic Session  
11:00 - 12:00

Lisbon

### Critical care biomarkers

#renal#sepsis#lung

Chair: John Laffey (Toronto, Canada)

Chair: Thomas Rimmelé (Lyon, France)

#### Biomarkers in acute kidney injury

11:00

Speaker: Eric Hoste (Ghent, Belgium)

#### Discussion

11:15

#### Biomarkers in sepsis

11:20

Speaker: Ludhmila Hajjar (Sao Paulo, Brazil)

#### Discussion

11:35

#### Biomarkers in acute respiratory failure

11:40

Speaker: Danny McAuley (Belfast, Ireland)

#### Discussion

11:55

Thematic Session  
11:00 - 12:00

Athens

### Antimicrobial stewardship

#micro

Chair: José Garnacho-Montero (Seville, Spain)

Chair: Claire Roger (Nimes, France)

#### Antibiotic stewardship: A team sport

11:00

Speaker: Paula Ramirez (Valencia, Spain)

#### Discussion

11:15

#### Essential tools in antibiotic stewardship

11:20

Speaker: José Artur Paiva (Porto, Portugal)

#### Discussion

11:35

## Scientific Programme

<b>Challenges in implementation</b>	<b>11:40</b>
Speaker: Jeroen Schouten (Radboud, Netherlands)	
<b>Discussion</b>	<b>11:55</b>
Thematic Session 11:00 - 12:00	Vienna
<b>Battling burnout</b>	
#ethic	
Chair: Christiane Hartog (Jena, Germany) Chair: Mitchell Levy (Providence, United States)	
<b>Do psychological interventions work?</b>	<b>11:00</b>
Speaker: Bara Ricou Arita (Geneva, Switzerland)	
<b>Discussion</b>	<b>11:15</b>
<b>The benefit of mindfulness</b>	<b>11:20</b>
Speaker: Ruth Endacott (Plymouth, United Kingdom)	
<b>Discussion</b>	<b>11:35</b>
<b>Lessons from Magnet Hospitals</b>	<b>11:40</b>
Speaker: Freda DeKeyser Ganz (Jerusalem, Israel)	
<b>Discussion</b>	<b>11:55</b>
Clinical Challenges Session 11:00 - 11:50	Glasgow
<b>How do I drive a quality improvement programme in my ICU?</b>	
#LIVES2018	
Chair: Geoffrey Bellington (London, United Kingdom)	
<b>Presentation</b>	<b>11:00</b>
Speaker: Julian Bion (Birmingham, United Kingdom)	



## Scientific Programme

Interactive Debates  
11:00 - 12:00

Interactive Debates

### Individualising therapy in traumatic brain injury

#neuro

Limitations of guidelines - which are the variables to target in the treatment of these patients? - how to individualise brain perfusion - in which patients? Other potential "individualised" therapies

Chair: Nino Stocchetti (Milan, Italy)

#### Debate

11:00

Speaker: Mauro Oddo (Lausanne, Switzerland)  
Speaker: David Menon (Cambridge, United Kingdom)  
Speaker: Louis Puybasset (Paris, France)

Simulation Centre  
11:00 - 12:30

Simulation Centre - ECMO Area

### ECMO area

#cardio

#### Hands-on

11:00

Speaker: Emric Besnard (Paris, France)  
Speaker: Hugo Guillou (Paris, France)  
Speaker: Sabine Valera (Marseille, France)  
Speaker: Dinis Reis Miranda (Groningen, Netherlands)  
Speaker: Anne-Sophie Lequeulx (Paris, France)

Tech Lounge  
11:00 - 11:45

Tech Lounge

### Break-Networking-Brainstorming

NEXT Lounge  
11:00 - 12:00

NEXT Lounge

### NEXT Research Workshop

#ESICMNEXT

Chair: Burcin Halacli (Ankara, Turkey)  
Chair: Stefan Schaller (Munich, Germany)

#### Study design workshop - Build a study today!

11:00

Speaker: Claudia Spies (Berlin, Germany)  
Speaker: Geert Meyfroidt (Leuven, Belgium)  
Speaker: Hannah Wunsch (Toronto, Canada)

## Scientific Programme

Arena  
11:10 - 12:20

Arena

### AKI in different clinical scenarios

Chair: Patrick Honoré (Brussels, Belgium)  
Chair: Julia Wendon (London, United Kingdom)

**The incidence and associations of acute kidney injury in trauma patients admitted to critical care: a systematic review and meta analysis**

Abstract Presenter: Ryan Haines (London, United Kingdom)

**Doppler-based renal resistive index is independently associated with acute kidney injury stages and outcome in ICU patients**

Abstract Presenter: Georgia Fotopoulou (Athens, Greece)

**The value of clinical examination and cardiac ultrasonography to forecast acute kidney injury in critically ill patients: a sub-study of the Simple Intensive Care Studies-I**

Abstract Presenter: Renske Wiersema (Groningen, Netherlands)

**Effects of perioperative dexmedetomidine infusion on microcirculation and kidney and intestinal injury in kidney transplant recipients**

Abstract Presenter: Yin-Chin Wang (Taipei, Taiwan, Province of China)

**Modification of sequential organ failure assessment score using acute kidney injury classification**

Abstract Presenter: Yuki Kotani (Kamogawa, Japan)

**Frailty is an important confounder of creatinine levels when studying acute kidney injury in the ICU**

Abstract Presenter: Patrick James Gleeson (Bruxelles, Belgium)

**Heme oxygenase 1 repeat polymorphism in septic acute kidney injury**

Abstract Presenter: Laura M. Vilander (Helsinki, Finland)

**Citrate versus heparin lock for non-tunneled hemodialysis catheters in critically ill patients: a multicentre randomized double-blind controlled trial (the VERROU-REA study)**

Abstract Presenter: Rémi Bruyère (Bourg-en-Bresse, France)

**Impact of renal replacement therapy in patients with acute respiratory distress syndrome: insights from the LUNG SAFE study**

Abstract Presenter: Bairbre A. McNicholas (Galway, Ireland)

**Association between use of mannitol and acute kidney injury in patients with moderate to severe traumatic brain injury**

Abstract Presenter: Markus Skrifvars (Helsinki, Finland)

Simulation Centre  
11:30 - 13:00

Simulation Centre - Basics of Bronchoscopy in ICU Area

### Basics of bronchoscopy in ICU area

#lung

## Scientific Programme

### Hands-on

11:30

Speaker: Paul Abraham (Lyon, France)  
Speaker: Manuel Mendoza Ruano (Las Palmas de Gran Canaria, Spain)  
Speaker: Sheila Nainan Myatra (Mumbai, India)

Tech Lounge  
11:45 - 12:45

Tech Lounge

### Deep learning: What is all the hype about?

#tech

Chair: Theodoros Kyprianou (Nicosia, Cyprus)  
Chair: Armand Girbes (Amsterdam, Netherlands)

#### What is deep learning?

11:45

Speaker: Marius Terblanche (London, United Kingdom)

#### Models that remember - Predicting the future

12:00

Speaker: Marius Terblanche (London, United Kingdom)

#### Reinforcement learning in sepsis management

12:15

Speaker: Matthieu Komorowski (London, United Kingdom)

#### Discussion

12:30

Thematic Session  
12:00 - 14:00

BM6

### Workshop: Scientific writing - A beginners' guide

#LIVES2018

Chair: Johannes Mellinshoff (London, United Kingdom)

#### Presentation

12:00

Speaker: Ruth Endacott (Plymouth, United Kingdom)  
Speaker: Jos Latour (Plymouth, United Kingdom)

NEXT Lounge  
12:00 - 13:00

NEXT Lounge

### NEXT Lunch Session & Quiz

#ESICMNEXT

#### EDIC quiz

12:00

Speaker: Cristina Santonocito (Palermo, Italy)  
Speaker: Rahul Costa-Pinto (Melbourne, Australia)

## Scientific Programme

Industry Sponsored Session  
12:30 - 14:00

Berlin

### Industry sponsored session

Industry Sponsored Session  
12:30 - 14:00

Barcelona

### Industry sponsored session

Industry Sponsored Session  
12:30 - 14:00

Geneva

### Industry sponsored session

Industry Sponsored Session  
12:30 - 14:00

Rome

### Industry sponsored session

Industry Sponsored Session  
12:30 - 14:00

Stockholm

### Industry sponsored session

Industry Sponsored Session  
12:30 - 14:00

Lisbon

### Industry sponsored session

Industry Sponsored Session  
12:30 - 14:00

Athens

### Industry sponsored session

Industry Sponsored Session  
12:30 - 14:00

Vienna

### Industry sponsored session

## Scientific Programme

Industry Sponsored Session  
12:30 - 14:00

Brussels

### Industry sponsored session

Industry Sponsored Session  
12:30 - 14:00

Amsterdam

### Industry sponsored session

Simulation Centre  
12:30 - 14:00

Simulation Centre - TEE/TOE Area

### TTE area (for EDEC Advanced Course)

#cardio

#### Hands-on

12:30

Speaker: Bouchra Lamia (Rouen, France)  
Speaker: Daniel De Backer (Braine L'Alleud, Belgium)  
Speaker: Anthony McLean (Sydney, Australia)  
Speaker: Armand Mekontso Dessap (Créteil, France)

Industry Sponsored Session  
12:40 - 13:40

Arena

### Industry sponsored session

Tech Lounge  
12:45 - 14:15

Tech Lounge

### Clinical Decision Support in complex haemodynamics: The Aplysia Cardiovascular Lab

#tech

Chair: Cecilia Akerlund (Stockholm, Sweden)

#### Advanced heart failure management supported by high-fidelity, real time simulation

12:45

Speaker: Dirk Donker (Utrecht, Netherlands)  
Speaker: Michael Broomé (Stockholm, Sweden)

## Scientific Programme

NEXT Lounge  
13:00 - 14:00

NEXT Lounge

### NEXT & Professional Development

#ESICMNEXT

Chair: Cristina Santonocito (Palermo, Italy)  
Chair: Victoria Bennett (London, United Kingdom)

#### **The challenges of learning in the new era**

**13:00**

Speaker: Francesca Rubulotta (London, United Kingdom)

Speaker: Adrian Wong (London, United Kingdom)

Speaker: Kelly Underman (Philadelphia, United States)

Arena  
14:00 - 15:10

Arena

### Infections

Chair: Jan De Waele (Ghent, Belgium)  
Chair: Pedro Pova (Lisbon, Portugal)

#### **Healthcare associated infections (HAI) in critically ill cardiac patients (CICP): a categorical principal components analysis (CATPCA) study in Spanish ICU based on ENVIN-HELICS National Registry**

Abstract Presenter: Emilio Renes Carreño (Madrid, Spain)

#### **Development of a clinical prediction rule to exclude catheter-related bloodstream infections in patients with new-onset fever during central venous catheter placement**

Abstract Presenter: Won Sup Oh (Chuncheon, Korea, Republic of)

#### **Nebulized amikacin as adjunctive therapy for multi-drug resistant *P. aeruginosa* right-sided pneumonia: an experimental study**

Abstract Presenter: Andrea Meli (Milan, Italy)

#### **Evaluation of steady-state pharmacokinetic and pharmacodynamic properties of intravenous colistimethate sodium in cystic fibrosis and critically ill patients**

Abstract Presenter: Tyree H. Kiser (Aurora, United States)

#### **The prevalence of suspected ventilator-associated pneumonia in Scottish intensive care units: a prospective analysis**

Abstract Presenter: Robert Hart (Glasgow, United Kingdom)

#### **Avian anti-*Pseudomonas aeruginosa* IgY-antibodies can reduce tracheal colonization with *P. aeruginosa* in mechanically ventilated piglets**

Abstract Presenter: Alexander Otterbeck (Uppsala, Sweden)

#### **Accuracy of the Clinical Pulmonary Infection score to differentiate ventilator-associated tracheobronchitis from ventilator-associated pneumonia: a retrospective analysis from the TAVeM study**

Abstract Presenter: Alexandre Gaudet (Lille, France)

## Scientific Programme

**Patients with digestive colonization with Extended-Spectrum  $\beta$ -Lactamase-producing Enterobacteriaceae (ESBLE): how to predict the risk of ESBLE infection following liver transplantation**

Abstract Presenter: Emmanuel Weiss (Clichy, France)

**Accuracy of T2MR in diagnosing candidemia in critically ill patients: a prospective observational study**

Abstract Presenter: Olivier Pouly (Lille, France)

**Risk factors of being a carrier of multiresistant bacteria upon admission to ICU**

Abstract Presenter: Mercedes Palomar (Lleida, Spain)

Poster Corner  
14:00 - 16:00

Poster corner

## CRRT & RRT for AKI

Chair: Miet Schetz (Leuven, Belgium)  
Chair: Antoine Schneider (Lausanne, Switzerland)

**Acute kidney injury and renal replacement therapy in patients on ECMO: a single center experience**

Abstract Presenter: Rafael Avila (Santa Fe, Argentina)

**Urinary liver-type fatty acid-binding protein point-of-care kit for the prediction of renal replacement therapy requirement in critically ill patients with acute circulatory failure**

Abstract Presenter: Kei Ishimura (Osaka, Japan)

**Urinary L-FABP level predicts initiation of renal replacement therapy and prognosis in patients with septic shock**

Abstract Presenter: Ayumu Tsuruoka (Kyoto, Japan)

**Predictors of 90 day survival in CRRT patients**

Abstract Presenter: Chee Hong Loh (Singapore, Singapore)

**Comparison of hemodynamic parameters among continuous, intermittent and hybrid renal replacement therapy in acute kidney injury: a systematic review of randomized clinical trials**

Abstract Presenter: Diana Russo (Porto Alegre, Brazil)

**Antibiotic dosage in the critically ill patients in continuous renal replacement therapy: are we sure that a lesser posology is the best for the patient?**

Abstract Presenter: Alberto Corona (Milano, Italy)

**Renal replacement therapy with citrate in different doses (CiDoSes) study**

Abstract Presenter: Alexandre Baptista (Portimão, Portugal)

**Renal replacement therapy under extracorporeal membrane oxygenation**

Abstract Presenter: Nicolas Tsekouras (Saint Etienne, France)

**Extracorporeal chloride removal to treat acidemia: in vitro evaluation of three techniques**

Abstract Presenter: Emanuele Rezoagli (Monza, Italy)

## Scientific Programme

**Continuous renal replacement therapy during veno-venous ECMO: a retrospective study on regional citrate anticoagulation**

Abstract Presenter: Marco Giani (Monza, Italy)

**The relationship between base excess unmeasured anions and mortality in patients with acute kidney injury receiving continuous renal replacement therapy**

Abstract Presenter: Bulent Gucyetmez (Istanbul, Turkey)

**Regional citrate anticoagulation for CRRT in critical patients with liver failure**

Abstract Presenter: Màrius Sánchez Satorra (Badalona, Spain)

**Hemodynamic monitoring during continuous renal replacement therapy (CRRT) with oXiris filter in septic shock patients**

Abstract Presenter: Marco Tengattini (Ponderano, Italy)

**Citrate anticoagulant does not influence CO<sub>2</sub> extraction during CRRT**

Abstract Presenter: Joop Jonckheer (Jette, Belgium)

**Retrospective analysis of different CVVH-substitution fluids and their effects on the acid-base-metabolism**

Abstract Presenter: Sebastian J. Klein (Innsbruck, Austria)

**Quality improvement project on efficacy of haemo-filters in intensive care (ITU) by analysing various factors influencing the prescription in patients requiring RRT (renal replacement therapy) at Northampton General Hospital, ITU**

Abstract Presenter: Ahalya Parthasarathy (Northampton, United Kingdom)

**Can plasma nucleoproteins be removed with continuous renal replacement therapy?**

Abstract Presenter: Mónica Crespo Gómez (Valencia, Spain)

Poster Corner  
14:00 - 16:00

Poster corner

## Pneumonia, COPD and other causes of acute respiratory failure

Chair: Danny McAuley (Belfast, Ireland)  
Chair: Davide Chiumello (Milan, Italy)

**Pneumonia determines readmissions and mortality of lung transplant patients in the ICU: beyond the perioperative period**

Abstract Presenter: Alberto Sandiumenge (Barcelona, Spain)

**Etiology and prognosis of acute respiratory failure in patients with primary malignant brain tumors admitted to the intensive care unit**

Abstract Presenter: Maxens Decavèle (Paris, France)

**Distribution of pulmonary ventilation and inflammation before and after intubation in acute hypoxemic respiratory failure patients: a preliminary report**

Abstract Presenter: Jaime Retamal (Santiago, Chile)

**Six-minute walk test as a predictor of changes in basic functional dyspnea assessed by the modified medical research council scale in ICU COPD survivors**

Abstract Presenter: Mohamed Boussarsar (Sousse, Tunisia)



## Scientific Programme

**Pulmonary embolism among ICU population: prevalence, delay of onset, diagnostic features and prognosis**

Abstract Presenter: Olfa Turki (Sfax, Tunisia)

**Factors associated with intra-abdominal hypertension in mechanically ventilated patients with acute exacerbation of chronic obstructive pulmonary disease (AE/COPD): a retrospective study**

Abstract Presenter: Mohamed Boussarsar (Sousse, Tunisia)

**Evaluation of inflammatory markers with a routine blood test, for the identification of patients with severe exacerbation of chronic obstructive pulmonary disease, in intensive care unit**

Abstract Presenter: Mariana Portilla-Botelho (Ciudad Real, Spain)

**Prone positioning in severe acute respiratory failure not fulfilling Berlin definition ARDS criteria: a case series**

Abstract Presenter: Mohamed Boussarsar (Sousse, Tunisia)

**Is the routine use of antipseudomonal antibiotics as empiric treatment of AECOPD in ICU indicated? A retrospective study**

Abstract Presenter: Florian Marcy (Berlin, Germany)

**Compared prognosis of acute exacerbation of chronic obstructive pulmonary disease (AE/COPD) with and without intra-abdominal hypertension in mechanically ventilated patients**

Abstract Presenter: Mohamed Boussarsar (Sousse, Tunisia)

**Management of intra-abdominal hypertension in acute exacerbation of chronic obstructive pulmonary disease (AE/COPD): experience of a medical Tunisian ICU**

Abstract Presenter: Mohamed Boussarsar (Sousse, Tunisia)

**Factors affecting cost of patients with severe community-acquired pneumonia in intensive care unit**

Abstract Presenter: Ayca Gumus (Antalya, Turkey)

**Frequency, characteristics and prognosis of acute exacerbation of chronic obstructive pulmonary disease (AE/COPD) patients presenting with intra-abdominal hypertension in a Tunisian medical ICU: a retrospective study**

Abstract Presenter: Mohamed Boussarsar (Sousse, Tunisia)

**Severe Acute Respiratory Infection (SARI): frequency and microbiology in a Tunisian medical ICU**

Abstract Presenter: Mohamed Boussarsar (Sousse, Tunisia)

**The effect of the ventilator care bundle on ventilator acquired pneumonia, length of stay and mortality rate: a systematic review and meta-analysis**

Abstract Presenter: Leanne Dolman (London, United Kingdom)

**Influence of hypophosphatemia at ICU admission on the duration of mechanical ventilation in sepsis**

Abstract Presenter: Jun Shima (Shimotsuke city, Japan)

**Association between time to intubation and outcomes in a unselected population of mechanically ventilated ICU patients**

Abstract Presenter: Roberto Jiménez (Cartagena, Spain)

## Scientific Programme

Poster Corner  
14:00 - 16:00

Poster corner

### Microcirculation & organ injury

Chair: Jacques Duranteau (Kremlin-Bicetre, France)  
Chair: Can Ince (Amsterdam, Netherlands)

**Cardiac hyaluronan may be associated with the persistence of atrial fibrillation**

Abstract Presenter: Yuichiro Kashima (Matsumoto, Japan)

**A reduction in skin perfusion can reliably predict tissue hypoperfusion during ultrafiltration**

Abstract Presenter: Wasineenart Mongkolpun (Brussels, Belgium)

**Cardiac function in critically ill patients with traumatic brain injury: preliminary results of a prospective study**

Abstract Presenter: Victor Martin Moles (Santa Fe, Argentina)

**Non-invasive administration of inhaled nitric oxide in critically ill adults - a retrospective cohort study**

Abstract Presenter: Jan-Alexis Tremblay (Montreal, Canada)

**Prognostic factors are useful in pulmonary thromboembolism in a intensive care unit?**

Abstract Presenter: Xiana Taboada Fraga (A Coruña, Spain)

**Systemic and tissue response to fluid challenge**

Abstract Presenter: Paolo De Santis (Brussels, Belgium)

**Renal involvement during cardio-renal syndrome type 2: predictive factors and prognosis**

Abstract Presenter: Emna Rachdi (La Marsa, Tunisia)

**MINOCA (myocardial infarction with nonobstructive coronary atherosclerosis)**

Abstract Presenter: Elena Trujillo García (Málaga, Spain)

**Acute systemic microcirculatory effects of high frequency neuromuscular electrical stimulation in critically ill patients**

Abstract Presenter: Asu Ozgultekin (Istanbul, Turkey)

**Eight years building bridges in cardiogenic shock**

Abstract Presenter: Isaías Martín Badía (Madrid, Spain)

**Veno-arterial extracorporeal membrane oxygenation blood flow affects left ventricular contractility in cardiogenic shock**

Abstract Presenter: Petr Ostadal (Prague, Czech Republic)

**A software tool to quantify capillary blood volume and absolute red blood cell velocity in sublingual incident dark field microscopy video clips**

Abstract Presenter: Matthias Peter Hilty (Amsterdam, Netherlands)

**A method to derive local blood flow and local vascular resistance from tissue haemoglobin oxygen saturation**

Abstract Presenter: Christopher Smart (London, United Kingdom)

**Microvascular reactivity at the early stage of ischemic cardiogenic shock: a preliminary observational study**

Abstract Presenter: Timothée Jouitteau (Montpellier, France)

**Ivabradine effect on tissue perfusion in critical patients**

Abstract Presenter: Eder Ivan Zamarron Lopez (Tampico, Mexico)

## Scientific Programme

### **Calculating cardiac output during veno-venous ECMO using indirect calorimetry and blood gas analysis**

Abstract Presenter: Michael Christian Müller (Berlin, Germany)

### **Does airway pressure cause right ventricular dysfunction in septic patients undergoing mechanical ventilation?**

Abstract Presenter: David Pérez-Torres (Valladolid, Spain)

Poster Corner  
14:00 - 16:00

Poster corner

## Quality improvement

Chair: Mette Berger (Lausanne, Switzerland)  
Chair: Bruno Mégarbane (Paris, France)

### **The quality improvement of unplanned extubation among patients with mechanical ventilator in a medical center**

Abstract Presenter: Chin-Ming Chen (Tainan, Taiwan, Province of China)

### **Collecting family feedback by digital survey**

Abstract Presenter: Joke H. Coops (Amsterdam, Netherlands)

### **Geographic distribution of intensive care audit in Europe**

Abstract Presenter: Jan Krzysztof Adamski (Pori, Finland)

### **Care beyond the ICU - using a novel level of care protocol for critical care support of the terminally ill patient**

Abstract Presenter: Rohit Gupta (New York, United States)

### **Specialized group implementation for in-hospital transport**

Abstract Presenter: Miguel Cenacchi Garcia Pereira (São Paulo, Brazil)

### **Early rehabilitation in the ICU - reality in a large neurocritical care unit**

Abstract Presenter: Miguel Cenacchi Garcia Pereira (São Paulo, Brazil)

### **The effects of music therapy on the level of depression and anxiety in family caregivers of critically ill patients**

Abstract Presenter: Kim Jeong Min (Seoul, Korea, Republic of)

### **Factors affecting consultant review of patients after admission to intensive care**

Abstract Presenter: Nicholas Dobson (Aylesbury, United Kingdom)

### **Influence of an open-door policy on the noise generated in an intensive care unit (ICU)**

Abstract Presenter: Alberto Touceda (Vigo, Spain)

### **Social media in critical care is the hype worth the effort: a 3-year analysis and modelling for the future**

Abstract Presenter: Adrian Wong (London, United Kingdom)

### **Evaluation in the hospitalary management of the high commitment human resource practices from the perspective of the ICU healthcare personnel**

Abstract Presenter: Paula Vega Ocaña (Las Palmas de Gran Canaria, Spain)

### **Change of hospital and critical care unit - does it influence outcome?**

Abstract Presenter: Marko Strube (Göteborg, Sweden)

## Scientific Programme

**Challenges associated with critically ill patients admitted to the intensive care unit following international repatriation: retrospective case study and analysis**

Abstract Presenter: Dominic Johnpillai (Glasgow, United Kingdom)

**Analysis of unplanned transferences from intermediate care units to intensive care units: a cohort study**

Abstract Presenter: João Gabriel Rosa Ramos (Salvador, Brazil)

**Audit of oral cavity assessment for patients with endotracheal tube in Neuro ICU**

Abstract Presenter: Arlene Kwan (London, United Kingdom)

**Compliance of the initial resuscitation bundle in patients with sepsis and septic shock in a catalan tertiary hospital**

Abstract Presenter: Victor Daniel Gumucio Sanguino (Hospitalet de Llobregat, Spain)

Poster Corner  
14:00 - 16:00

Poster corner

## Acute cerebrovascular diseases

Chair: Raimund Helbok (Innsbruck, Austria)  
Chair: Victoria McCredie (Toronto, Canada)

**Impact of assignment of stroke specialist to the stroke care system on reducing in-hospital delay in reperfusion therapy**

Abstract Presenter: Hong-Kyun Park (Goyang-si, Korea, Republic of)

**Stroke in elderly population: a descriptive study of patients admitted for reperfusion treatment in the ICU**

Abstract Presenter: Daniela García Huertas (Granada, Spain)

**Selective cerebral hypothermia is an effective component of neuroprotection in patients with ischemic stroke**

Abstract Presenter: Bagrat Torosyan (Moscow, Russian Federation)

**Elevated cardiac troponin I is associated with lower blood pressure on the first admission day after aneurysmal subarachnoid hemorrhage**

Abstract Presenter: Marilyn Hravnak (Pittsburgh, United States)

**Morbidity and mortality after acute ischemic stroke: differences upon age**

Abstract Presenter: Paula Matía Almudévar (Madrid, Spain)

**Frequency of brain death in acute cerebrovascular disease related mortality**

Abstract Presenter: Anantha R Vellipuram (El Paso, United States)

**Impact of hyperoxia and hypocapnia on neurological outcome in patients with aneurysmal subarachnoid hemorrhage**

Abstract Presenter: Kin Chio Li (Hong Kong, Hong Kong, China)

**Clinical predictors of outcome of acute stroke patients requiring invasive mechanical ventilation**

Abstract Presenter: Etienne de Montmollin (Paris, France)

**Incidence, diagnosis and burden of sepsis on subarachnoid haemorrhage**

Abstract Presenter: Fernando Bozza (Rio de Janeiro, Brazil)

## Scientific Programme

**The effect of daily fluid balance on mechanical ventilation in the subarachnoid hemorrhage patient population in the ICU**

Abstract Presenter: Avinash B Kumar (Nashville, United States)

**Perimesencephalic subarachnoid haemorrhage: is there enough evidence to change our attitude?**

Abstract Presenter: Sofia Dias (Lisboa, Portugal)

**In-hospital complications following acute neurological injuries**

Abstract Presenter: Anantha R Vellipuram (El Paso, United States)

**Some characteristics of hormonal status in patients in the acute period after spontaneous intracerebral hemorrhage**

Abstract Presenter: Liubov Tsentsiper (St-Petersburg, Russian Federation)

**Glycaemia in patients with ischemic stroke**

Abstract Presenter: Alexey Gritsan (Krasnoyarsk, Russian Federation)

**Neutrophil-to-lymphocyte ratio as a predictor of poor prognosis after intracerebral haemorrhage**

Abstract Presenter: Diana Latasa (Rosario, Argentina)

**Frequency of severe hypocapnia in patients in the acute period of non-traumatic subarachnoid hemorrhages with various clinical outcomes**

Abstract Presenter: Alexander Solodov (Moscow, Russian Federation)

**Maintenance of cerebral perfusion pressure (CPP) determines neurology - a traumatic brain injury (TBI) model in swine**

Abstract Presenter: Martin Wepler (Ulm, Germany)

Poster Corner  
14:00 - 16:00

Poster corner

## Outcome in perioperative medicine

Chair: Arnaldo Dubin (La Plata, Argentina)  
Chair: Morten Hylander Møller (Copenhagen, Denmark)

**Usefulness of presepsin for the early detection of infectious complications after elective colorectal surgery, compared with C-reactive protein and procalcitonin**

Abstract Presenter: Erika Amanai (Hirosaki, Japan)

**The impact of goal-directed fluid therapy during major abdominal surgery on postoperative oxygenation and extravascular lung water**

Abstract Presenter: Ahmed Hasanin (Cairo, Egypt)

**Lactate levels in predicting in-hospital mortality after surgery for intestinal perforation**

Abstract Presenter: Seung-Young Oh (Seoul, Korea, Republic of)

**Indications and outcomes of emergency laparotomy in patients on extracorporeal membrane oxygenation**

Abstract Presenter: Claire McCann (London, United Kingdom)

**Intraoperative positive end-expiratory pressure setting guided by esophageal pressure measurement during laparoscopic gynecologic surgery: a pilot study**

Abstract Presenter: Annop Piriyaatsom (Bangkok, Thailand)

## Scientific Programme

**Electrolytes disorders and kidney complications in immediate postoperative after cytoreductive surgery and hyperthermic intraperitoneal chemotherapy**

Abstract Presenter: Alejandra Acha (Alcala de Henares, Spain)

**Outcome of extreme oncology digestive surgery at intensive care unit**

Abstract Presenter: Orville Victoriano Báez-Pravia (Madrid, Spain)

**Norton score: a useful tool for identifying high risk patients prior to emergency surgery**

Abstract Presenter: Galia Karp (Rehovot, Israel)

**Effects of perioperative high inspired oxygen fraction on surgical site infection in the patients with gastrointestinal surgery**

Abstract Presenter: Airi Kumasaka (Sakatashi, Yamagata, Japan)

**Prevalence and risk factors of preoperative sarcopenia and malnutrition in elderly cancerous patients**

Abstract Presenter: Onuma Chaiwat (Bangkok, Thailand)

**Regional cerebral oxygen saturation changes monitored during spinal neurosurgery in prone position and postoperative cognitive dysfunction evaluation**

Abstract Presenter: Sniedze Murniece (Riga, Latvia)

**Genetic polymorphism of pleiotrophine is associated with severity of cancer pain but not postoperative pain**

Abstract Presenter: Yoshika Sudo (Tokyo, Japan)

**Frequency of occurrence of arterial hypotension in anesthesia, including alpha2-adrenoagonists in neurooncological patients**

Abstract Presenter: Marina Rumiantceva (Saint Petersburg, Russian Federation)

**Sedatives for use during gastrointestinal endoscopic procedures**

Abstract Presenter: Yijun Seo (Seoul, Korea, Republic of)

**Effect of transfusion ratio on mortality in patients undergoing massive transfusion during cytoreductive surgery: a retrospective cohort study**

Abstract Presenter: Swapnil Pawar (Sydney, Australia)

**Do statins help prevent VTE in haemorrhagic stroke during the acute period?**

Abstract Presenter: Kwangwook Jo (Bucheon, Korea, Republic of)

Poster Corner  
14:00 - 16:00

Poster corner

## Antibiotic therapy in septic patients

Chair: Jean-François Timsit (Paris, France)  
Chair: George Dimopoulos (Athens, Greece)

**Clinical impact of the use of procalcitonin-based algorithms for duration of antibiotic treatment in critical adult patients: a meta analysis of randomized clinical trials**

Abstract Presenter: José Garnacho-Montero (Seville, Spain)

**Delayed antibiotic therapy and deterioration of organ dysfunction in critically-ill septic patients in the emergency department**

Abstract Presenter: Jae Min Kim (Seoul, Korea, Republic of)

## Scientific Programme

**Relationship between antibiotic desescalation and microbiological documentation. Influence on outcome of sepsis patients detected by a sepsis team in a teaching hospital**

Abstract Presenter: Rafael Zaragoza (Valencia, Spain)

**Early empirical antimicrobial therapy does not prevent sepsis development in critically ill surgical patients with suspected nosocomial infection**

Abstract Presenter: Bruno Martins Tomazini (São Paulo, Brazil)

**Time to antibiotic as a mortality factor in patients with sepsis and septic shock: a multicentric, point prevalence study**

Abstract Presenter: Graciela Merinos-Sánchez (Cuauhtémoc, Mexico)

**Association of antibiotic pharmacodynamic indices with survival in human septic shock**

Abstract Presenter: Gloria Vázquez-Grande (Winnipeg, Canada)

**The implementation of antibiotic therapy as part of sepsis six bundle: a twelve month single centre study of compliance with antibiotic therapy and outcomes**

Abstract Presenter: Rangaswamy Mothukuri (Swansea, United Kingdom)

**Adherence to antibiotic guidelines in patients admitted to ICU with severe sepsis and septic shock: does it affect clinical outcome?**

Abstract Presenter: Oscar Lindberg (Linköping, Sweden)

**Ceftazidime-avibactam to treat severe deep-seated infections due to KPcp in the critically ill**

Abstract Presenter: Alberto Corona (Milano, Italy)

**High-speed antibiotic susceptibility testing of blood-culture isolates of septicemia with surface-enhanced Raman spectroscopy**

Abstract Presenter: Yin-Yi Han (Taipei, Taiwan, Province of China)

**Molecular regulation of acute Tie2 suppression in sepsis**

Abstract Presenter: Sascha David (Hannover, Germany)

**Right dose, right now. developing autokinetics for personalised, real time, big data driven, antibiotic dosing**

Abstract Presenter: L.F. Roggeveen (Amsterdam, Netherlands)

**Variability of plasma concentrations of meropenem and piperacillin / tazobactam in standard doses in patients with severe infections**

Abstract Presenter: Adela Fernández Galilea (Sevilla, Spain)

**Prevalence of insufficient plasma concentration of  $\beta$ -lactam antibiotics in ICU patients: a one-year retrospective single centre study**

Abstract Presenter: Sacha Sarfati (Rouen, France)

**What is the most important clinical determinant of procalcitonin?**

Abstract Presenter: Silvia Zampieri (Verona, Italy)

**Use of procalcitonin levels to guide the efficacy and safety in reducing the duration of antibiotic treatment in critically ill patients**

Abstract Presenter: Samuel Fernández Vilches (Sabadell, Barcelona, Spain)

**Impact of appropriate empirical antibiotics on clinical outcome in Klebsiella pneumoniae bacteraemia in the intensive care unit**

Abstract Presenter: Kin Chio Li (Hong Kong, Hong Kong, China)

## Scientific Programme

Poster Corner  
14:00 - 16:00

Poster corner

### Cardiac arrest and post resuscitation care

Chair: Alain Cariou (Paris, France)  
Chair: Cornelia Genbrugge (Genk, Belgium)

**Interaction effects between targeted temperature management and hypertension on survival outcomes after out-of-hospital cardiac arrest**

Abstract Presenter: Hyunho Ryu (Gwangju, Korea, Republic of)

**Prediction of neurologic outcome after return of spontaneous circulation in out-of-hospital cardiac arrest: retrospective analysis using fast and frugal tree**

Abstract Presenter: So Mi Shin (Seoul, Korea, Republic of)

**Optimum chest compression point for cardiopulmonary resuscitation in children revisited using a three-dimensional coordinate system imposed on computed tomography: a retrospective, cross-sectional study**

Abstract Presenter: Sung-Bin Chon (Seongnam, Korea, Republic of)

**Impact of ischemic etiology-based difference on extracorporeal cardiopulmonary resuscitation in patients with refractory out-of-hospital cardiac arrest underlying cardiac diagnosis**

Abstract Presenter: Kanako Takeshige (Matsumoto, Japan)

**Gray matter to the white matter ratio for predicting neurological outcomes in patients treated with target temperature management after cardiac arrest: a systematic review and meta analysis**

Abstract Presenter: Wonhee Kim (Seoul, Korea, Republic of)

**Survival following witnessed out-of-hospital cardiac arrests during nights and weekends**

Abstract Presenter: Hyunho Ryu (Gwangju, Korea, Republic of)

**Chest compression-only vs conventional CPR by laypersons for unwitnessed out-of-hospital cardiac arrest**

Abstract Presenter: Kunihiro Maekawa (Sapporo, Japan)

**Effect of selenium supplementation on oxidative stress in patient after cardiac arrest**

Abstract Presenter: Marek Janotka (Prague, Czech Republic)

**Outcomes of in-Hospital cardiac arrest in a British District General Hospital**

Abstract Presenter: Eric Landymore (Redhill, United Kingdom)

**Changes in cardiac arrest profile after rapid response team implementation**

Abstract Presenter: Marina Viana (Porto Alegre, Brazil)

**Extracorporeal cardiopulmonary resuscitation for cardiac arrest patients: a propensity-matched study**

Abstract Presenter: Daniel Patricio (Bruxelles, Belgium)

**Evaluation of ECLS management in cardiogenic shock after cardiac arrest in myocardial infarction**

Abstract Presenter: Romain Zunarelli (La Tronche, France)

**Routine use of continuous insufflation of oxygen without tracheal intubation improves quality of cardio-pulmonary resuscitation**

Abstract Presenter: Vincent Peigne (Meythet, France)



## Scientific Programme

### **Is NIRO Pulse a useful monitor for cardiopulmonary resuscitation?**

Abstract Presenter: Kento Sakaguchi (Yamagata, Japan)

### **Analysis of relationship between body temperature and survival rate of patients of in-hospital cardiac arrest**

Abstract Presenter: Eunjoo Choi (Seoul, Korea, Republic of)

### **Long term follow up after out of hospital cardiac arrest: survival and performance status comparison between therapeutic hypothermia and targeted temperature management**

Abstract Presenter: Tamim Akbari (London, United Kingdom)

NEXT Lounge  
14:00 - 15:00

NEXT Lounge

## **NEXT My case reviewed by an expert**

#ESICMNEXT

Chair: Gennaro De Pascale (Rome, Italy)

### **Case 1 (Adjunctive Treatment in Sepsis)**

**14:00**

Speaker: Bernardo Bollen Pinto (Geneva, Switzerland)

Speaker: Massimo Girardis (Modena, Italy)

Thematic Session  
14:15 - 15:45

Paris

## **Monitoring the ventilated patient**

#lung

Chair: Alexandre Demoule (Paris, France)

Chair: John Laffey (Toronto, Canada)

### **How to guide treatment with transpulmonary pressure**

**14:15**

Speaker: Laurent Brochard (Toronto, Canada)

### **Discussion**

**14:30**

### **Monitoring and managing respiratory drive**

**14:33**

Speaker: Leo Heunks (Nijmegen, Netherlands)

### **Discussion**

**14:48**

### **Plateau and driving pressure during assisted ventilation**

**14:51**

Speaker: Giacomo Bellani (Monza, Italy)

### **Discussion**

**15:06**

### **Monitoring response to PEEP: Gas exchange and respiratory mechanics**

**15:09**

Speaker: Ewan Goligher (Toronto, Canada)

### **Discussion**

**15:24**

## Scientific Programme

<b>Integrating physiology and imaging at the bedside</b>	<b>15:27</b>
Speaker: Michael Quintel (Göttingen, Germany)	
<b>Discussion</b>	<b>15:42</b>
Joint Session 14:15 - 15:45	Berlin
<b>Joint with ISF - Sepsis in 2018: What's hot?</b>	
#sepsis	
Chair: Charles L. Sprung (Jerusalem, Israel) Chair: Mervyn Singer (London, United Kingdom)	
<b>Sepsis and ARDS are outdated concepts</b>	<b>14:15</b>
Speaker: John Marshall (Toronto, Canada)	
<b>Do people die of or with sepsis?</b>	<b>14:35</b>
Speaker: Mervyn Singer (London, United Kingdom)	
<b>Biomarkers for infection and sepsis: Are we making any headway?</b>	<b>14:55</b>
Speaker: Derek Angus (Pittsburgh, United States)	
<b>I like a 1-hour sepsis bundle: Pro</b>	<b>15:15</b>
Speaker: Flavia R. Machado (São Paulo, Brazil)	
<b>I like a 1-hour sepsis bundle: Con</b>	<b>15:25</b>
Speaker: Jean-Louis Vincent (Brussels, Belgium)	
<b>Discussion</b>	<b>15:35</b>
Thematic Session 14:15 - 15:45	Barcelona
<b>The haemodynamic physiology we must know</b>	
#cardio	
Chair: Sheldon Magder (Montreal, Canada) Chair: Michael Pinsky (Pittsburgh, United States)	
<b>Significance of Critical Closing pressures (Starling resistors) in arterial circulation</b>	<b>14:15</b>
Speaker: Michael Pinsky (Pittsburgh, United States)	
<b>Discussion</b>	<b>14:30</b>
<b>Arterial load and dynamic arterial elastance</b>	<b>14:33</b>
Speaker: Manuel Ignacio Monge García (Jerez de la Frontera, Spain)	
<b>Discussion</b>	<b>14:48</b>
<b>How does the venous system respond to changes in arterial pressure?</b>	<b>14:51</b>
Speaker: Sheldon Magder (Montreal, Canada)	

## Scientific Programme

<b>Discussion</b>	<b>15:06</b>
<b>How to monitor the venous tone at the bedside?</b>	<b>15:09</b>
Speaker: Hollmann Aya Bernal (London, United Kingdom)	
<b>Discussion</b>	<b>15:24</b>
<b>Reaction of different territories in shock (kidney, gut, sublingual)</b>	<b>15:27</b>
Speaker: Vanina Edul (Buenos Aires, Argentina)	
<b>Discussion</b>	<b>15:42</b>

Thematic Session  
14:15 - 15:45

Geneva

### Perioperative cardiac intensive care

#periop

Chair: Aarne Feldheiser (Berlin, Germany)  
Chair: Isabelle Michaux (Namur, Belgium)

<b>Perioperative ultrasounds: Gains and pitfalls</b>	<b>14:15</b>
Speaker: Mike Gillies (Edinburgh, United Kingdom)	
<b>Discussion</b>	<b>14:30</b>
<b>Postoperative mechanical support: Too early or too far?</b>	<b>14:33</b>
Speaker: Alain Vuylsteke (London, United Kingdom)	
<b>Discussion</b>	<b>14:48</b>
<b>Postoperative AKI: Watch or replace?</b>	<b>14:51</b>
Speaker: John Prowle (London, United Kingdom)	
<b>Discussion</b>	<b>15:06</b>
<b>Vasopressors and vasodilators: New and old</b>	<b>15:09</b>
Speaker: Isabelle Michaux (Namur, Belgium)	
<b>Discussion</b>	<b>15:24</b>
<b>The pros and cons of extracorporeal cytokine adsorption therapy</b>	<b>15:27</b>
Speaker: Matthias Derwall (Aachen, Germany)	
<b>Discussion</b>	<b>15:42</b>

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

Rome

### How do I estimate the chances of survival?

#outcomes

Chair: Hannah Wunsch (Toronto, Canada)  
Chair: Christiaan Boerma (Lleuwaarden, Netherlands)

## Scientific Programme

<b>Risk assessment: The basics</b>	<b>14:15</b>
Speaker: Hannah Wunsch (Toronto, Canada)	
<b>Discussion</b>	<b>14:30</b>
<b>External validation of severity of illness models</b>	<b>14:33</b>
Speaker: Hannah Wunsch (Toronto, Canada)	
<b>Discussion</b>	<b>14:48</b>
<b>Predicting quality of life in survivors</b>	<b>14:51</b>
Speaker: Philipp Metnitz (Graz, Austria)	
<b>Discussion</b>	<b>15:06</b>
<b>Long term cognitive impairment in ICU survivors</b>	<b>15:09</b>
Speaker: Arjen Slooter (Utrecht, Netherlands)	
<b>Discussion</b>	<b>15:24</b>
<b>Predicting outcome after one week of admission</b>	<b>15:27</b>
Speaker: Dylan de Lange (Utrecht, Netherlands)	
<b>Discussion</b>	<b>15:42</b>

Joint Session  
14:15 - 15:45

Stockholm

### Joint with ESA - What's hot in trauma management?

#trauma

Chair: Kjetil Sunde (Oslo, Norway)  
Chair: Cesare Gregoretti (Palermo, Italy)

<b>Communication within the trauma team</b>	<b>14:15</b>
Speaker: Sharon Einav (Jerusalem, Israel)	
<b>Discussion</b>	<b>14:30</b>
<b>Does HEMS improve outcome in major trauma?</b>	<b>14:33</b>
Speaker: Jacob Steinmetz (Copenhagen, Denmark)	
<b>Discussion</b>	<b>14:48</b>
<b>Trauma induced coagulopathy - pathophysiology and early management</b>	<b>14:51</b>
Speaker: Sophie Hamada (Paris, France)	
<b>Discussion</b>	<b>15:06</b>
<b>Damage Control Resuscitation - implications for intensive care</b>	<b>15:09</b>
Speaker: Luke Leenen (Utrecht, Netherlands)	
<b>Discussion</b>	<b>15:24</b>
<b>Surgical complications after trauma - diagnosis and management</b>	<b>15:27</b>
Speaker: Christina Gaarder (Oslo, Norway)	

## Scientific Programme

**Discussion** **15:42**

Thematic Session  
14:15 - 15:45

Lisbon

### Blood products in sepsis: Risks & benefits

#sepsis

Chair: Nathan D. Nielsen (New Orleans, United States)  
Chair: Ricard Ferrer Roca (Barcelona, Spain)

**Red blood cell transfusion** **14:15**

Speaker: Ludhmila Hajjar (Sao Paulo, Brazil)

**Discussion** **14:30**

**Platelets** **14:33**

Speaker: Nathan D. Nielsen (New Orleans, United States)

**Discussion** **14:48**

**Plasma** **14:51**

Speaker: John Marshall (Toronto, Canada)

**Discussion** **15:06**

**IVIG** **15:09**

Speaker: Didier Payen de la Garanderie (Paris, France)

**Discussion** **15:24**

**Albumin** **15:27**

Speaker: Luciano Gattinoni (Milan, Italy)

**Discussion** **15:42**

Thematic Session  
14:15 - 15:45

Athens

### Intra-abdominal infections

#micro

Chair: Lennie Derde (Utrecht, Netherlands)  
Chair: Ignacio Martin-Loeches (Dublin, Ireland)

**Epidemiology of IAI in critically ill patients** **14:15**

Speaker: Stijn Blot (Ghent, Belgium)

**Discussion** **14:30**

**Optimising strategies in source control** **14:33**

Speaker: Philippe Montravers (Paris, France)

**Discussion** **14:48**

## Scientific Programme

<b>New antibiotics and how to use them in IAI</b>	<b>14:51</b>
Speaker: José Artur Paiva (Porto, Portugal)	
<b>Discussion</b>	<b>15:06</b>
<b>The role of candida</b>	<b>15:09</b>
Speaker: José Garnacho-Montero (Seville, Spain)	
<b>Discussion</b>	<b>15:24</b>
<b>Duration of antibiotic therapy and de-escalation: Dos and don'ts</b>	<b>15:27</b>
Speaker: Liesbet De Bus (Gent, Belgium)	
<b>Discussion</b>	<b>15:42</b>
Thematic Session 14:15 - 15:45	Vienna
<b>Oxygen: The most misused drug</b>	
#LIVES2018#sepsis	
Chair: Anders Perner (Copenhagen, Denmark)	
Chair: Fabio Silvio Taccone (Brussels, Belgium)	
<b>Oxygen pathways and metabolism in stressful conditions</b>	<b>14:15</b>
Speaker: Peter Radermacher (Ulm, Germany)	
<b>Discussion</b>	<b>14:30</b>
<b>Hyperoxia and ischaemia reperfusion syndrome during cardiac arrest</b>	<b>14:33</b>
Speaker: Fabio Silvio Taccone (Brussels, Belgium)	
<b>Discussion</b>	<b>14:48</b>
<b>Which oxygen strategy in critically ill patient?</b>	<b>14:51</b>
Speaker: Phillip Dellinger (Camden, United States)	
<b>Discussion</b>	<b>15:06</b>
<b>Oxygen in the brain: Friend or foe?</b>	<b>15:09</b>
Speaker: Giuseppe Citerio (Monza, Italy)	
<b>Discussion</b>	<b>15:24</b>
<b>Liberal, restrictive or super-restrictive oxygen targets: Data from clinical trials</b>	<b>15:27</b>
Speaker: Massimo Girardis (Modena, Italy)	
<b>Discussion</b>	<b>15:42</b>

## Scientific Programme

Thematic Session  
14:15 - 15:45

Glasgow

### The ICU environment: What matters?

#outcomes

Chair: Michelle Chew (Malmö, Sweden)  
Chair: Andrew Rhodes (London, United Kingdom)

**Regional economics, state and health insurance** **14:15**

Speaker: Peter van der Voort (Amsterdam, Netherlands)

**Discussion** **14:30**

**Do ICU size and layout impact on outcome?** **14:33**

Speaker: Andreas Valentin (Schwarzach, Austria)

**Discussion** **14:48**

**The influence of step down units on hospital mortality** **14:51**

Speaker: Andrew Rhodes (London, United Kingdom)

**Discussion** **15:06**

**Academic versus non-academic ICUs: Does it have an impact on outcome?** **15:09**

Speaker: Michelle Chew (Malmö, Sweden)

**Discussion** **15:24**

**Specialist coverage and patient-to-staff ratios** **15:27**

Speaker: Christina Agvald-Öhman (Stockholm, Sweden)

**Discussion** **15:42**

Interactive Debates  
14:15 - 15:15

Interactive Debates

### Safely stopping antibiotics - Guidelines, biomarkers or common sense?

#micro

Identify determinants of antibiotic duration; apply guidelines on antibiotic duration in clinical practice; discuss the role of biomarkers in determining the optimal duration of antibiotic therapy

Chair: Jeroen Schouten (Radboud, Netherlands)

**Debate** **14:15**

Speaker: Jean Chastre (Paris, France)  
Speaker: Jeffrey Lipman (Brisbane, Australia)  
Speaker: Claire Roger (Nimes, France)

Tech Lounge  
14:15 - 14:30

Tech Lounge

### Break-Networking-Brainstorming

## Scientific Programme

Tech Lounge  
14:30 - 16:00

Tech Lounge

### Practical demonstration session: Crafting data for your needs

#tech

Chair: Marius Terblanche (London, United Kingdom)  
Chair: Charlotte Summers (Cambridge, United Kingdom)

**Attendees will obtain knowledge of techniques to prepare data for analysis**

**14:30**

Speaker: Ari Ercole (Cambridge, United Kingdom)

NEXT Lounge  
15:00 - 16:00

NEXT Lounge

### NEXT Young Lecturer Award

#ESICMNEXT

Chair: Laura Galarza Barrachina (Castellon, Spain)  
Chair: Julian Bion (Birmingham, United Kingdom)  
Chair: Kelly Underman (Philadelphia, United States)  
Chair: Matthew J. Rowland (Oxford, United Kingdom)  
Chair: Victoria Bennett (London, United Kingdom)

Arena  
15:20 - 16:30

Arena

### New insights into post resuscitation care

Chair: Theresa Olasveengen (Oslo, Norway)  
Chair: Claudio Sandroni (Rome, Italy)

**Targeting normoxia vs. mild hyperoxia after cardiac arrest and resuscitation: a randomized pilot trial (NCT02698917)**

Abstract Presenter: Pekka Jakkula (Helsinki, Finland)

**Comparison of two sedation regimens during targeted temperature management after cardiac arrest**

Abstract Presenter: Marine Paul (Paris, France)

**Extracorporeal cardiopulmonary resuscitation for cardiac arrest patients: a multi-centric cohort study**

Abstract Presenter: Lorenzo Calabro (Bruxelles, Belgium)

**EEG reactivity for prognosis in patients after cardiac arrest**

Abstract Presenter: Janneke Horn (Amsterdam, Netherlands)

**Long-term changes in quality of life after out-of-hospital cardiac arrest**

Abstract Presenter: Henning Wimmer (Oslo, Norway)

**Platelet dysfunction post cardiac arrest. Results from the Platelets in out of Hospital Cardiac ARrest (PoHCAR) study**

Abstract Presenter: Agnieszka Skorko (Bristol, United Kingdom)



## Scientific Programme

**Late awakening in survivors of post-anoxic coma: early neurophysiological predictors and association with ICU and long-term neurological recovery**

Abstract Presenter: Arnaud Rey (Lausanne, Switzerland)

**Intravascular versus surface cooling for targeted temperature management after out-of-hospital cardiac arrest: an analysis of the TTH48 study**

Abstract Presenter: Chiara De Fazio (Brussels, Belgium)

**Functional recovery and quality of life after in-hospital cardiac arrest - Preliminary results. Australia and New Zealand Cardiac Arrest Outcome Determinants and ECMO suitability study (ANZ-CODE): a multi-centre prospective observational study of in-hospital cardiac arrests**

Abstract Presenter: Gemma Pound (Melbourne, Australia)

**Combination of NSE and Synek score to predict poor neurological outcome in post anoxic comatose patients treated with induced hypothermia**

Abstract Presenter: Dimitri Titeca Beauport (Amiens, France)

Interactive Debates  
15:30 - 16:30

Interactive Debates

### Lung recruitment: Let's stop talking about that!

#lung

Highlighting the need (if any) to keep focusing research on the role of recruitment during ARDS, based on recent literature data.

Chair: Laurent Papazian (Marseille, France)

**Debate**

**15:30**

Speaker: Marco Ranieri (Rome, Italy)  
Speaker: Eddy Fan (Toronto, Canada)  
Speaker: Alain Mercat (Angers, France)

Simulation Centre  
15:30 - 16:30

Simulation Centre - Mechanical Ventilation Area

### Mechanical ventilation area

#lung

**Case scenario - Setting the ventilator in pressure controlled and volume controlled ventilation**

**15:30**

Speaker: Lise Piquilloud (Lausanne, Switzerland)  
Speaker: Giacomo Bellani (Monza, Italy)

## Scientific Programme

Thematic Session  
16:00 - 18:15

Paris

### Presidents' Ground Breaking Research Release

#LIVES2018

Chair: Massimo Antonelli (Rome, Italy)  
Chair: Jozef Kesecioglu (Utrecht, Netherlands)

<b>Global Sepsis Alliance Award 2018</b>	<b>16:00</b>
Speaker: Konrad Reinhart (Jena, Germany)	
<b>ALIVE, the ESICM Fund</b>	<b>16:01</b>
Speaker: Martin Dünser (Linz, Austria)	
Speaker: Mervyn Mer (Johannesburg, South Africa)	
<b>The TARGET Trial</b>	<b>16:07</b>
Speaker: Marianne Chapman (Adelaide, Australia)	
Speaker: Sandra Peake (Adelaide, Australia)	
<b>Comments</b>	<b>16:19</b>
Speaker: Jerry Zimmerman (Seattle, United States)	
<b>Discussion</b>	<b>16:21</b>
<b>Randomised controlled trial of protocolised extubation to non-invasive versus invasive weaning from mechanical ventilation in acute respiratory failure: The Breathe Study</b>	<b>16:23</b>
Speaker: Gavin Perkins (Coventry, United Kingdom)	
<b>Comments</b>	<b>16:35</b>
Speaker: Jean-Michel Constantin (Clermont-Ferrand, France)	
<b>Discussion</b>	<b>16:37</b>
<b>Decontamination strategies in Intensive Care Units: A multinational cluster RCT</b>	<b>16:39</b>
Speaker: Bastiaan H. Wittekamp (Utrecht, Netherlands)	
<b>Comments</b>	<b>16:51</b>
Speaker: Yatin Mehta (India)	
<b>Discussion</b>	<b>16:53</b>
<b>Psychological Outcomes following a nurse-led Preventative Psychological Intervention for critically ill patients (POPPI) trial</b>	<b>16:55</b>
Speaker: Kathy Rowan (London, United Kingdom)	
<b>Comments</b>	<b>17:07</b>
Speaker: María Cruz Martín Delgado (Madrid, Spain)	
<b>Discussion</b>	<b>17:09</b>
<b>MIND-USA: Phase III RCT of antipsychotics vs. placebo for delirium and other ICU outcomes</b>	<b>17:11</b>
Speaker: Wes Ely (Nashville, United States)	
<b>Comments</b>	<b>17:23</b>
Speaker: Carl Waldmann (Reading, United Kingdom)	
<b>Discussion</b>	<b>17:25</b>

## Scientific Programme

<b>Effect of targeted polymyxin B haemoperfusion on 28-day mortality in patients with septic shock and elevated endotoxin level: the EUPHRATES randomised clinical trial</b>	<b>17:27</b>
Speaker: Phillip Dellinger (Camden, United States)	
<b>Comments</b>	<b>17:39</b>
Speaker: Diederik Gommers (Rotterdam, Netherlands)	
<b>Discussion</b>	<b>17:41</b>
<b>INTEREST Trial results</b>	<b>17:43</b>
Speaker: Marco Ranieri (Rome, Italy)	
<b>Comments</b>	<b>17:55</b>
Speaker: Ciro Leite Mendes (João Pessoa, Brazil)	
<b>Discussion</b>	<b>17:57</b>
<b>Venovenous ECMO for very severe ARDS: A Bayesian analysis</b>	<b>17:59</b>
Speaker: Ewan Goligher (Toronto, Canada)	
<b>Comments</b>	<b>18:11</b>
Speaker: Alain Mercat (Angers, France)	
<b>Discussion</b>	<b>18:13</b>
Thematic Session 16:00 - 18:00	Berlin
<b>ECMO for respiratory failure</b>	
#lung	
Chair: Paolo Pelosi (Genova, Italy) Chair: Jean-Daniel Chiche (Paris, France)	
<b>When (not) to start VV ECMO</b>	<b>16:00</b>
Speaker: Michael Quintel (Göttingen, Germany)	
<b>Discussion</b>	<b>16:15</b>
<b>When to switch to VA</b>	<b>16:20</b>
Speaker: Alain Combes (Paris, France)	
<b>Discussion</b>	<b>16:35</b>
<b>Monitoring patients during VV ECMO</b>	<b>16:40</b>
Speaker: Antonio Pesenti (Milan, Italy)	
<b>Discussion</b>	<b>16:55</b>
<b>What should we target?</b>	<b>17:00</b>
Speaker: Marco Ranieri (Rome, Italy)	
<b>Discussion</b>	<b>17:15</b>
<b>Mechanical ventilation during ECMO</b>	<b>17:20</b>
Speaker: Eddy Fan (Toronto, Canada)	

## Scientific Programme

**Discussion** **17:35**

**Managing coagulation** **17:40**

Speaker: Beverley Hunt (London, United Kingdom)

**Discussion** **17:55**

Thematic Session  
16:00 - 18:00

Barcelona

### Top tips for the golden hours of septic shock

#sepsis

Chair: Michael Bauer (Jena, Germany)  
Chair: Claude Martin (Marseille, France)

**Avoiding too much fluid** **16:00**

Speaker: Yasser Sakr (Jena, Germany)

**Discussion** **16:15**

**High doses of catecholamines?** **16:20**

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

**Discussion** **16:35**

**A place for non-adrenergic vasopressors** **16:40**

Speaker: Elio Antonucci (Piacenza, Italy)

**Discussion** **16:55**

**How to evaluate cardiac dysfunction** **17:00**

Speaker: Sebastian Stehr (Leipzig, Germany)

**Discussion** **17:15**

**Positive inotropic drugs: Which, when, how?** **17:20**

Speaker: Alexandre Mebazaa (Paris, France)

**Discussion** **17:35**

**Oxygen metabolism, ScvO<sub>2</sub>? Lactate? PCO<sub>2</sub> gap? Others?** **17:40**

Speaker: Arnaldo Dubin (La Plata, Argentina)

**Discussion** **17:55**

State of the Art Session  
16:00 - 18:00

Geneva

### Cardiovascular monitoring

#cardio

Chair: Thomas Scheeren (Groningen, Netherlands)  
Chair: Bernd Saugel (Hamburg, Germany)

## Scientific Programme

<b>How to monitor Blood Pressure</b>	<b>16:00</b>
Speaker: Olfa Hamzaoui (Clamart, France)	
<b>Discussion</b>	<b>16:15</b>
<b>How to monitor Central Venous Pressure</b>	<b>16:20</b>
Speaker: Sheldon Magder (Montreal, Canada)	
<b>Discussion</b>	<b>16:35</b>
<b>How to monitor Cardiac Output</b>	<b>16:40</b>
Speaker: Thomas Scheeren (Groningen, Netherlands)	
<b>Discussion</b>	<b>16:55</b>
<b>How to monitor Microcirculation</b>	<b>17:00</b>
Speaker: Can Ince (Amsterdam, Netherlands)	
<b>Discussion</b>	<b>17:15</b>
<b>What about physical examination?</b>	<b>17:20</b>
Speaker: Iwan Van der Horst (Groningen, Netherlands)	
<b>Discussion</b>	<b>17:35</b>
<b>How to individualise monitoring</b>	<b>17:40</b>
Speaker: Bernd Saugel (Hamburg, Germany)	
<b>Discussion</b>	<b>17:55</b>

Thematic Session  
16:00 - 18:00

Rome

### Few positive trials in Sepsis: Is it the treatment or the trial?

#ethic

Chair: Andrej Michalsen (Tettngang, Germany)  
Chair: Charlotte Summers (Cambridge, United Kingdom)

<b>Asking the right research question</b>	<b>16:00</b>
Speaker: Christiaan Boerma (Lleuwaarden, Netherlands)	
<b>Discussion</b>	<b>16:15</b>
<b>Testing the right population</b>	<b>16:20</b>
Speaker: Flavia R. Machado (São Paulo, Brazil)	
<b>Discussion</b>	<b>16:35</b>
<b>There is no such thing as a negative trial</b>	<b>16:40</b>
Speaker: Marlies Ostermann (London, United Kingdom)	
<b>Discussion</b>	<b>16:55</b>
<b>Sepsis Trials: We did it all wrong!</b>	<b>17:00</b>
Speaker: Armand Girbes (Amsterdam, Netherlands)	

## Scientific Programme

<b>Discussion</b>	<b>17:15</b>
<b>Improving quality of care from the evidence we have</b>	<b>17:20</b>
Speaker: Geoffrey Bellington (London, United Kingdom)	
<b>Discussion</b>	<b>17:35</b>
<b>The right outcomes that really matter to patients. Do we know them?</b>	<b>17:40</b>
Speaker: Kenneth Christopher (Boston, United States)	
<b>Discussion</b>	<b>17:55</b>
Continuous Professional Education Session 16:00 - 18:00	
	Stockholm
<b>Improving ARDS outcome</b>	
#lung	
Chair: Danny McAuley (Belfast, Ireland)	
Chair: Carolyn Calfee (San Francisco, United States)	
<b>Overall mortality is not the right outcome measure for ARDS</b>	<b>16:00</b>
Speaker: Jesus Villar (Las Palmas de Gran Canaria, Spain)	
<b>Discussion</b>	<b>16:15</b>
<b>What are the relevant outcomes for ventilation trials?</b>	<b>16:20</b>
Speaker: Bronagh Blackwood (Belfast, United Kingdom)	
<b>Discussion</b>	<b>16:35</b>
<b>Precision medicine for ARDS treatment</b>	<b>16:40</b>
Speaker: Carolyn Calfee (San Francisco, United States)	
<b>Discussion</b>	<b>16:55</b>
<b>Improving ventilation practice</b>	<b>17:00</b>
Speaker: Luigi Camporota (London, United Kingdom)	
<b>Discussion</b>	<b>17:15</b>
<b>Pharmacologic therapies</b>	<b>17:20</b>
Speaker: Danny McAuley (Belfast, Ireland)	
<b>Discussion</b>	<b>17:35</b>
<b>Cell based therapies</b>	<b>17:40</b>
Speaker: John Laffey (Toronto, Canada)	
<b>Discussion</b>	<b>17:55</b>

## Scientific Programme

Joint Session  
16:00 - 18:00

Lisbon

### Joint with ERC - State of the art in cardiac arrest management

#trauma

Chair: Kjetil Sunde (Oslo, Norway)  
Chair: Jerry Nolan (Bath, United Kingdom)

<b>Differences between IHCA and OHCA</b>	<b>16:00</b>
Speaker: Alain Cariou (Paris, France)	
<b>Discussion</b>	<b>16:15</b>
<b>Sex and resuscitation outcomes</b>	<b>16:20</b>
Speaker: Sharon Einav (Jerusalem, Israel)	
<b>Discussion</b>	<b>16:35</b>
<b>Oxygen: Friend or foe?</b>	<b>16:40</b>
Speaker: Markus Skrifvars (Helsinki, Finland)	
<b>Discussion</b>	<b>16:55</b>
<b>Refractory cardiac arrest</b>	<b>17:00</b>
Speaker: Claudio Sandroni (Rome, Italy)	
<b>Discussion</b>	<b>17:15</b>
<b>When to terminate resuscitation?</b>	<b>17:20</b>
Speaker: Theresa Olasveengen (Oslo, Norway)	
<b>Discussion</b>	<b>17:35</b>
<b>Cardiac arrest centres: Do they make a difference?</b>	<b>17:40</b>
Speaker: Jerry Nolan (Bath, United Kingdom)	
<b>Discussion</b>	<b>17:55</b>

Thematic Session  
16:00 - 18:00

Athens

### Outcome in...

#outcomes

Chair: Michelle Chew (Malmö, Sweden)  
Chair: Elie Azoulay (Paris, France)

<b>... high-risk surgical patients</b>	<b>16:00</b>
Speaker: Michelle Chew (Malmö, Sweden)	
<b>Discussion</b>	<b>16:15</b>
<b>... frail patients</b>	<b>16:20</b>
Speaker: Bertrand Guidet (Paris, France)	
<b>Discussion</b>	<b>16:35</b>

## Scientific Programme

<b>... intoxicated patients</b>	<b>16:40</b>
Speaker: Dylan de Lange (Utrecht, Netherlands)	
<b>Discussion</b>	<b>16:55</b>
<b>... pneumonia patients</b>	<b>17:00</b>
Speaker: Ignacio Martin-Loeches (Dublin, Ireland)	
<b>Discussion</b>	<b>17:15</b>
<b>... neutropenic patients</b>	<b>17:20</b>
Speaker: Elie Azoulay (Paris, France)	
<b>Discussion</b>	<b>17:35</b>
<b>... ECMO treated patients</b>	<b>17:40</b>
Speaker: Dirk Donker (Utrecht, Netherlands)	
<b>Discussion</b>	<b>17:55</b>
Continuous Professional Education Session 16:00 - 18:00	
	Vienna
<b>Antibiotic PK/PD in the critically ill</b>	
#micro	
Chair: Barbara Borgatta (Oxford, United Kingdom) Chair: José Artur Paiva (Porto, Portugal)	
<b>Prolonged infusion of beta-lactam antibiotics</b>	<b>16:00</b>
Speaker: Barbara Borgatta (Oxford, United Kingdom)	
<b>Discussion</b>	<b>16:15</b>
<b>How to optimise empirical therapy using PK/PD</b>	<b>16:20</b>
Speaker: Fredrik Sjövall (Malmö, Sweden)	
<b>Discussion</b>	<b>16:35</b>
<b>PK/PD based therapy of MDR infections</b>	<b>16:40</b>
Speaker: Hendrik Bracht (Ulm, Germany)	
<b>Discussion</b>	<b>16:55</b>
<b>Barriers to applying PK/PD in clinical practice</b>	<b>17:00</b>
Speaker: Pedro Pova (Lisbon, Portugal)	
<b>Discussion</b>	<b>17:15</b>
<b>Therapeutic drug monitoring for antibiotics: Finally there?</b>	<b>17:20</b>
Speaker: Jan De Waele (Ghent, Belgium)	
<b>Discussion</b>	<b>17:35</b>
<b>Antifungal PK/PD: What an intensivist needs to know</b>	<b>17:40</b>
Speaker: Claire Roger (Nîmes, France)	



## Scientific Programme

**Discussion** **17:55**

Thematic Session  
16:00 - 18:00

Glasgow

### Perioperative quality improvement outside of the ICU

#periop

Chair: Ib Jammer (Bergen, Norway)  
Chair: Hannah Wunsch (Toronto, Canada)

**ICU style management outside the ICU** **16:00**

Speaker: Ib Jammer (Bergen, Norway)

**Discussion** **16:15**

**Enhanced perioperative care for high-risk surgical patients** **16:20**

Speaker: Mike Gillies (Edinburgh, United Kingdom)

**Discussion** **16:35**

**Postoperative non-invasive ventilation** **16:40**

Speaker: Roland Francis (Berlin, Germany)

**Discussion** **16:55**

**Individualising perioperative haemodynamic therapy** **17:00**

Speaker: Aarne Feldheiser (Berlin, Germany)

**Discussion** **17:15**

**The deteriorating patient on the ward: How to rescue** **17:20**

Speaker: Rupert Pearse (London, United Kingdom)

**Discussion** **17:35**

**Hypoactive delirium: Why should I care?** **17:40**

Speaker: Tarek Sharshar (Paris, France)

**Discussion** **17:55**

Thematic Session  
16:00 - 18:00

BM6

### N&AHP research & networking: What's new?

#LIVES2018#rehab

Chair: Carole Boulanger (Exeter, United Kingdom)  
Chair: Johannes Mellinghoff (London, United Kingdom)

**Palliative care in ICU** **16:00**

Speaker: Freda DeKeyser Ganz (Jerusalem, Israel)

**Discussion** **16:10**

## Scientific Programme

<b>Person-centred care: A challenge in daily practice!</b>	<b>16:15</b>
Speaker: Margo Van Mol (Rotterdam, Netherlands)	
<b>Discussion</b>	<b>16:25</b>
<b>Early rehabilitation programs: What's the evidence saying?</b>	<b>16:30</b>
Speaker: Peter Nydahl (Kiel, Germany)	
<b>Discussion</b>	<b>16:40</b>
<b>Awake or not awake during MV? Psychological Impact</b>	<b>16:45</b>
Speaker: Eva Laerkner (Odense C, Denmark)	
<b>Discussion</b>	<b>16:55</b>
<b>Meet the Team Q&amp;A Speaker</b>	<b>17:00</b>
Speaker: Carole Boulanger (Exeter, United Kingdom)	
<b>N&amp;AHP Abstract Awards 2018</b>	<b>17:15</b>
<b>Networking</b>	<b>17:30</b>

Poster Corner  
16:00 - 18:00

Poster corner

## Epidemiology & diagnosis of AKI

Chair: Marjel van Dam (Utrecht, Netherlands)  
Chair: Patrick Honoré (Brussels, Belgium)

### **Hospital-acquired and community-acquired acute kidney injury in critically ill patients with renal replacement therapy requirements: an observational study**

Abstract Presenter: Erika P. Plata-Menchaca (L'Hospitalet de Llobregat, Spain)

### **Usefulness of NephroCheck™ test for the therapeutic approach of acute kidney injury in critically ill patients**

Abstract Presenter: Gemma Echarri (Pamplona, Spain)

### **Preoperative prediction of acute kidney injury requiring renal replacement therapy after left ventricular assist device implantation: comparison of three clinical risk scores**

Abstract Presenter: Kevin Pilarczyk (Rendsburg, Germany)

### **Acute kidney injury after Kasai portoenterostomy for biliary atresia**

Abstract Presenter: Jin Ha Park (Seoul, Korea, Republic of)

### **Predicting factors of mortality during the first 24 hours of continuous renal replacement therapy in patients with acute renal injury stage 3 in an intensive care unit**

Abstract Presenter: Norma Elizabeth Carrillo Molina (México, Mexico)

### **Acute kidney injury in a medical ICU: a prospective observational study**

Abstract Presenter: Burcin Halacli (Ankara, Turkey)

### **Epidemiology study of patients with advanced chronic kidney disease admitted in intensive care**

Abstract Presenter: Maria Guerrero Marin (Jaen, Spain)

## Scientific Programme

**Mortality prediction in patients with severe dialysis - dependent acute kidney injury**

Abstract Presenter: Dalia Adukauskienė (Kaunas, Lithuania)

**Early detection of acute kidney injury in polytrauma patients who admitted to the Emergency Department of Dr. Hasan Sadikin Hospital, Bandung, Indonesia**

Abstract Presenter: Tinni Trihartini Maskoen (Bandung, Indonesia)

**Prospective study of patients with acute kidney injury with co-morbidities with respect to their outcomes**

Abstract Presenter: Subhal Dixit (Pune, India)

**Performance of two scales in the detection of renal failure progression and need for renal replacement therapy**

Abstract Presenter: Jorge Cruz Lopez (Mexico, Mexico)

**Urinary TIMP2 and IGFBP7 identifies high risk patients of progression from mild and moderate to severe acute kidney injury during septic shock**

Abstract Presenter: Julien Maizel (Amiens, France)

**Bioelectrical impedance measurements for assessment of kidney function in critically ill patients**

Abstract Presenter: Lutea A.A. van Gendt - de Jong (Apeldoorn, Netherlands)

**Postoperative level of urine neutrophilic gelatinase-associated lipocalin (u-NGAL) can predict acute renal injury, MODS and outcome in cardiovascular surgery patients**

Abstract Presenter: Aleksandr Eremenko (Moscow, Russian Federation)

**Investigating the association between in-hospital mortality and age in patients receiving continuous veno-venous haemofiltration during their hospital admission**

Abstract Presenter: Nicola Raeside (Redhill, United Kingdom)

**Descriptive analysis of patients with AKI admitted in ICU**

Abstract Presenter: Núria Ramon Coll (Lleida, Spain)

**The comparison of urinary kidney injury molecule 1 as a biomarker of renal function to creatinine in critically ill patients under colistin treatment at intensive care units in two referral teaching hospitals**

Abstract Presenter: Afsaneh Vazin (Shiraz, Iran, Islamic Republic of)

Poster Corner  
16:00 - 18:00

Poster corner

## ARDS management

Chair: Fekri Abroug (Monastir, Tunisia)  
Chair: Antonio Artigas (Barcelona, Spain)

**Bedside ultrasound assessment of lung re-aeration in patients receiving veno-venous extracorporeal membrane oxygenation**

Abstract Presenter: Lu Xiao (Hangzhou, China)

**The predictive factors for success of high flow nasal cannula in acute hypoxemic respiratory failure patients in a regional hospital in Hong Kong**

Abstract Presenter: Chung-Tat Lun (Hong Kong, Hong Kong, China)

## Scientific Programme

**High-flow nasal cannula in adults with acute respiratory failure and after extubation: a Systematic review and meta analysis**

Abstract Presenter: Zhiheng Xu (Guangzhou, China)

**Switch to spontaneous breathing during nearly total extracorporeal CO2 removal: a novel test to assess severity of ARDS patients on ECMO**

Abstract Presenter: Elena Spinelli (Milano, Italy)

**High flow oxygen therapy for the treatment of acute respiratory failure outside the intensive care unit: feasibility, safety and efficacy**

Abstract Presenter: Giacomo Grasselli (Milan, Italy)

**Bedside ultrasound assessment of lung reaeration in patients with blunt thoracic injury receiving high-flow nasal cannula therapy: a retrospective study**

Abstract Presenter: Lu Xiao (HangZhou, China)

**High flow nasal oxygen therapy in patients with acute exacerbations of COPD**

Abstract Presenter: Burcin Halacli (Ankara, Turkey)

**Pulmonary vasodilators use before ecmo initiation in lung transplantation affects mortality?**

Abstract Presenter: Marta López Sánchez (Santander, Spain)

**Management of venovenous extracorporeal membrane oxygenation with moderate-target anticoagulation: a retrospective study**

Abstract Presenter: Luca Bastia (Monza, Italy)

**Use of high flow nasal cannula therapy for acute hypoxemic respiratory failure: a review of predictors of success and outcomes**

Abstract Presenter: Ken, Jun Yang Goh (Singapore, Singapore)

**Use of prone positioning and airway pressure release ventilation (APRV) for patients with acute respiratory distress syndrome (ARDS) in intensive care units in London and the South-East of England**

Abstract Presenter: Rohan Dinash Lakhani (Redhill, United Kingdom)

**A retrospective observational study of prone positioning practices in the management of acute respiratory distress syndrome (ARDS) over a 2 year period in a single adult district general hospital (DGH) intensive care unit (ICU)**

Abstract Presenter: Adaeze Fiona Nwamarah (Surrey, United Kingdom)

**Effects of set flow rate on the ROX index in acute hypoxemic respiratory failure patients undergoing high flow therapy**

Abstract Presenter: Donatella Tortolani (Ferrara, Italy)

**Effects of spontaneous breathing during ECMO in a severe ARDS experimental model**

Abstract Presenter: Alejandro Bruhn (Santiago, Chile)

**Initial ECCO2R experience in the great Paris area: the REXECOR observatory**

Abstract Presenter: Jean Loup Augy (Paris, France)

**Physiological evaluation of high flow oxygen therapy versus standard oxygen therapy effects in tracheostomized patients**

Abstract Presenter: Rosa Di mussi (Bari, Italy)

## Scientific Programme

Poster Corner  
16:00 - 18:00

Poster corner

### Advanced haemodynamic monitoring

Chair: Xavier Monnet (Paris, France)  
Chair: Simon Vistisen (Aarhus, Denmark)

**Follow-up evaluation of patients with heart failure: prognostic role of ambulatory blood pressure monitoring**

Abstract Presenter: Ana María González González (Malaga, Spain)

**Fluid challenge definitions and fluid responsiveness: an epidemiological study on passive leg raising**

Abstract Presenter: Antonio Messina (Novara, Italy)

**Changes in central venous pressure during passive leg raising do not allow predicting preload unresponsiveness in critically ill patients**

Abstract Presenter: Corentin Gouëzel (Clamart, France)

**Optimal atrio-ventricular (AV) interval election in dual-chamber pacemaker implantation by two bedside echocardiographic technics in an intensive care unit**

Abstract Presenter: Olga Moreno Romero (Granada, Spain)

**A modified intracavitary electrocardiographic method to localise the tip of central venous access devices in atrial fibrillation**

Abstract Presenter: Daniele Biasucci (Rome, Italy)

**Routine versus triggered echocardiography in the intensive care unit- an audit of clinical practice**

Abstract Presenter: Olusegun Oladele Olusanya (Aylesbury, United Kingdom)

**Estimation of thermodilution derived cardiac index (CI<sub>TD</sub>) by combined information from the uncalibrated devices ClearSight, FloTrac and a completely non-invasive assessment of CI (CI<sub>CNI</sub>) derived from surface temperatures and biometrics: a prospective observational study**

Abstract Presenter: Wolfgang Huber (Munich, Germany)

**Effects of inspiratory flow waveforms on arterial pulse pressure variation and inferior vena cava distensibility in mechanically ventilated patients: a randomized cross-over study**

Abstract Presenter: Zied Hajjej (Tunis, Tunisia)

**Assessment of 24-hour ambulatory blood pressure monitoring in nonhypertensive patients with chronic heart failure**

Abstract Presenter: Ana María González González (Malaga, Spain)

**Guiding ultrafiltration with echocardiography**

Abstract Presenter: Sharad Patel (Philadelphia, United States)

**Predictive assessment of Baroreflex in the ICU**

Abstract Presenter: Riccardo Barbieri (Milano, Italy)

**Correlation between the measurement of cardiac output by magnetic cardiac pulsepresiometer (PPC) and fick method in critical patients**

Abstract Presenter: Alba Hernández-Gutiérrez (Leon, Mexico)

**Disagreement between FloTrac®/Vigileo® system and BioZ® system for stroke volume variation measurement for determining of fluid administration: a preliminary study**

Abstract Presenter: Seungyong Park (Jeonju, Korea, Republic of)

## Scientific Programme

### **Choices of ultrasonographic fluid evaluation measurement methods and their applicability in medical ICU patients**

Abstract Presenter: Burhan Sami Kalin (Ankara, Turkey)

Poster Corner  
16:00 - 18:00

Poster corner

### **Can we improve our ICU system?**

Chair: Lennie Derde (Utrecht, Netherlands)  
Chair: Peter van der Voort (Amsterdam, Netherlands)

#### **Platelets count and serum calcium could be two important parameter for artificial intelligent decisions in fluid resuscitation**

Abstract Presenter: Zhang Qin (Shanghai, China)

#### **Identification of patients with septic shock using natural language processing on electronic health records**

Abstract Presenter: Joris Vermassen (Ghent, Belgium)

#### **Association between postoperative 30-day mortality and night and weekend postoperative admissions to the surgical intensive care unit in a setting with day-time intensivists coverage**

Abstract Presenter: JeongPyo Hong (Seongnam, Korea, Republic of)

#### **Visit of minors in an intensive care unit: what do the health personnel believe?**

Abstract Presenter: Elia Calvet Gonzalez (Terrassa, Spain)

#### **Are machine learning techniques better suited for outcome prediction than classic statistical methods?**

Abstract Presenter: Niklas Keller (Berlin, Germany)

#### **Can quadriceps femoris muscle thickness measured by ultrasonography predict fluid and malnutrition status in critically ill patients?**

Abstract Presenter: Uğur Özdemir (Ankara, Turkey)

#### **Prospective study of optic nerve sheath diameter by ocular ultrasonography in adult Indian patients admitted to ICU**

Abstract Presenter: Subhal Dixit (Pune, India)

#### **UltraNurse: teaching bedside ultrasound to ICU nurses**

Abstract Presenter: Amy Morreale-Tulleken (Amsterdam, Netherlands)

#### **The additional value of strain imaging to detect right ventricular dysfunction in critically ill patients: a sub-study of the Simple Intensive Care Studies-I**

Abstract Presenter: M.E. Vos (Groningen, Netherlands)

#### **Diagnostic performance of the BLUE-lung ultrasound protocol in critically ill patients undergoing thoracic CT: a prospective observational study**

Abstract Presenter: Mark Evert Haaksma (Amsterdam, Netherlands)

#### **Development of an intensive care advanced echo course**

Abstract Presenter: Jonathan Aron (London, United Kingdom)

## Scientific Programme

**Comparison of bedside ultrasound with Chest X-ray to detect CVC related mechanical complications: a prospective observational study (COMBUX-study)**

Abstract Presenter: Jasper Martijn Smit (Amsterdam, Netherlands)

**Comparison between percutaneous drainage and open surgery for acute pancreatitis in intensive care medicine. Which is the best option?**

Abstract Presenter: Natalia Mejuto Montero (A Coruña, Spain)

**Chest sonography in intensive care unit (ICU): comparison of computerized scanning findings with sonographing findings performed by intensivist and radiologist in patients with pleural effusion**

Abstract Presenter: Behzad Maghsoudi (Shiraz, Iran, Islamic Republic of)

**Monobacterial versus polibacterial multidrug-resistant A.baumannii ventilator-associated pneumonia: prognostic factors of mortality**

Abstract Presenter: Ausra Ciginskiene (Kaunas, Lithuania)

Poster Corner  
16:00 - 18:00

Poster corner

## Making the best of antibiotic use

Chair: Marc Leone (Marseille, France)  
Chair: Saad Nseir (Lille, France)

**Impact of AST meetings on antimicrobial therapy decisions in the ICU**

Abstract Presenter: Sofie Dhaese (Ghent, Belgium)

**Bactericidal effects of telavancin in comparison with linezolid for the treatment of severe MRSA pneumonia: an experimental study**

Abstract Presenter: Andrea Meli (Milan, Italy)

**Clinical impact of an Antimicrobial Stewardship Program in critical patients based on early antibiotic adequacy**

Abstract Presenter: Filipe Sousa Amado (São Luís, Brazil)

**Postoperative intra-abdominal infections with positive cultures of staphylococci: epidemiology, clinical relevance and prognosis**

Abstract Presenter: Philippe Montravers (Paris, France)

**Incidence and time dependence of inadequate and supratherapeutic vancomycin levels in critically ill: a retrospective study**

Abstract Presenter: J.E. van der Mast (Groningen, Netherlands)

**Prevalence and role of respiratory viruses in ICU patients with community acquired-pneumonia (CAP): a one-year retrospective single center study**

Abstract Presenter: Marion Giry (Rouen, France)

**Risk factors for multiresistant bacterias in critical patients. Are there differences between the previous acquisition or during the stay in ICU?**

Abstract Presenter: Mercedes Palomar (Lleida, Spain)

**Diagnostic performance of a rapid detection test (PCR) for multiresistant bacteria (MRB) in patients admitted to the ICU**

Abstract Presenter: Antonio Carranza Pinel (Granada, Spain)

## Scientific Programme

**Bronchial colonization from multidrug-resistant pathogens and ventilator-associated pneumonia in ICU during a 3-years period. Preventive measures and innovation**

Abstract Presenter: Antigoni Karathanou (Volos, Greece)

**Does dosing of ceftriaxone in critically ill patients on ECMO need to change? A pharmacokinetics study**

Abstract Presenter: Vesa Cheng (Brisbane, Australia)

**The first experience of targeted antibiotics for the regulation of the metabolic activity of the gut microbiota (MAGM) in critically ill patients with pneumonia or abdominal infection**

Abstract Presenter: Natalia Beloborodova (Moscow, Russian Federation)

**Appropriate empirical antibiotic treatment rate in multiresistant ESKAPE bacteria in a critical care unit**

Abstract Presenter: Olga Moreno Romero (Granada, Spain)

**Effects of antibiotic prophylaxis on ventilator-associated pneumonia in severe traumatic brain injury. A post hoc analysis of two trials**

Abstract Presenter: Florian Reizine (Rennes, France)

**The effects of intervention by a ward pharmacist on vancomycin blood level control in the emergency medical center**

Abstract Presenter: Koichi Takahashi (Kita, Japan)

**Antifungal treatment in peritonitis: do we need it?**

Abstract Presenter: Susana Mendes Fernandes (Lisboa, Portugal)

**Target controlled infusion for dose optimization of cefepime in critically ill patients**

Abstract Presenter: Arthur Grigoryan (Aalst, Belgium)

Poster Corner  
16:00 - 18:00

Poster corner

## Rehabilitation & outcomes

Chair: Mireia Llaurodo Serra (Barcelona, Spain)  
Chair: Ruth Endacott (Plymouth, United Kingdom)

**Hygiene and safety for both your patient and yourself: how to improve the compliance with three of the five moments of hand hygiene on the ICC unit of the VU Medical Centre?**

Abstract Presenter: Reina Al (Amsterdam, Netherlands)

**Effects on oral intake by supporting HDU patients with a nutrition assistant**

Abstract Presenter: Anna J. M. Dobber-Lambalk (Amsterdam, Netherlands)

**Short-term and long-term impact of training for ICU nurses on incompatibilities and drug interactions**

Abstract Presenter: Mohamed Sabri Kochat (Sousse, Tunisia)

**Predictors and outcomes of delirium within a multi-specialty United Kingdom based ICU: a single centre retrospective cohort study**

Abstract Presenter: David McWilliams (Birmingham, United Kingdom)

**Current situation of rehabilitation in a polyvalent ICU before the implementation of a program of early mobilization**

Abstract Presenter: Maria del Mar Fernandez (Barcelona, Spain)



## Scientific Programme

**Worldwide qualitative investigation of nursing after death rituals**

Abstract Presenter: Julie Benbenishty (Jerusalem, Israel)

**Freedom from physical restraints in ICU: result from a scoping review**

Abstract Presenter: Elisa Mattiussi (Udine, Italy)

**The effect of an informatics system on use of informal/ad hoc critical care nursing notes as an adjunct to formal systems of communication, work flow support and documentation in a central London teaching hospital**

Abstract Presenter: Harriet Rook (London, United Kingdom)

**Sedation assessment and management in ICUs in Australia and England**

Abstract Presenter: Ruth Endacott (Plymouth, United Kingdom)

**Early mobilisation of critically ill patients in Singapore - a quality improvement project**

Abstract Presenter: Diana Sani (Singapore, Singapore)

**Trauma outcome - quality of life, Injury perception, dream recall and symptom severity over time trajectory from 2 weeks to 5 years post hospital discharge**

Abstract Presenter: Julie Benbenishty (Jerusalem, Israel)

**Better estimation of height in ICU is essential for effective lung protective ventilation**

Abstract Presenter: Victoria Edwards\* (Oxford, United Kingdom)

**Physiotherapy outcome measure use on adult intensive care units in the United Kingdom (UK)**

Abstract Presenter: Claire Purkiss (London, United Kingdom)

**Does functional ability improve for patients in the intensive care unit (ICU) with a structural physiotherapy indication using the patient mobility framework (PMF) protocol?**

Abstract Presenter: Niamh L O'Sullivan (Rotterdam, Netherlands)

**The benefits of a specialist physiotherapist in ICU rehabilitation clinic**

Abstract Presenter: Victoria Robinson (Kingston Upon Thames, United Kingdom)

**Interactive gaming for evaluating dysphagia in ICU patients**

Abstract Presenter: Jonneke Lut (Apeldoorn, Netherlands)

Poster Corner  
16:00 - 18:00

Poster corner

## Pearls in Neurocritical Care

Chair: Mauro Oddo (Lausanne, Switzerland)  
Chair: Pierre Bouzat (Grenoble, France)

**Using of dexmedetomidine in term neonates with hypoxic-ischemic encephalopathy**

Abstract Presenter: Denys Surkov (Dnipro, Ukraine)

**The use of automated pupillometry to assess cerebral autoregulation**

Abstract Presenter: Armin Alvaro Quispe-Cornejo (Brussels, Belgium)

**N-terminal pro-brain natriuretic peptide as a bio-marker of the acute brain injury**

Abstract Presenter: Liubov Tsentsiper (St-Petersburg, Russian Federation)

## Scientific Programme

**Multicenter retrospective study of early in-ICU anesthetic drugs' management in convulsive status epilepticus**

Abstract Presenter: Sinéad Zeidan (Paris, France)

**Validation of a new clinical tool to help diagnose Minimally Conscious State patients: the Disorders of Consciousness [DoC] - feeling scale**

Abstract Presenter: Bertrand Hermann (Paris, France)

**Is impairment similar between upper and lower limbs measured using ultrasonography in critically ill traumatic brain injury patients**

Abstract Presenter: Vinicius Maldaner (Brasília, Brazil)

**A comparison of mortality with hypertonic saline versus mannitol in severe traumatic brain injury - The TBI Collaborative**

Abstract Presenter: James Anstey (Melbourne, Australia)

**Inspiratory muscular training in non-collaborative patients using mechanical ventilation in the ICU**

Abstract Presenter: Priscilla Melo (Brasilia, Brazil)

**A prognostic prediction model for critically ill patients with status epilepticus**

Abstract Presenter: Jamil Cedeño Mora (Madrid, Spain)

**Effects of acute subdural hematoma on cerebral mitochondrial respiration in a porcine resuscitated model**

Abstract Presenter: Tamara Merz (Ulm, Germany)

**Neurophysiological fluctuations in patients with disorders of consciousness impact conscious processing**

Abstract Presenter: Pauline Perez (Paris, France)

**Intra- and postoperative effects of remifentanyl and fentanyl infusion in patients with elective brain tumour surgery**

Abstract Presenter: Dragana Loncar Stojiljkovic (Belgrade, Serbia)

**Assessment of quality measures after implementation of treatment guidelines with an electronic health record order set for the treatment of status epilepticus: a single center experience**

Abstract Presenter: Keaton S Smetana (Columbus, United States)

**Piperacillin concentrations and neurological toxicity in septic patients**

Abstract Presenter: Federica Montanaro (Bruxelles, Belgium)

**Evaluation of the diameter of the optic nerve in patients with TBI and its correlation with intracranial pressure**

Abstract Presenter: Juan Francisco Martínez Carmona (Málaga, Spain)

**Systemic hemodynamics and lung mechanics during increased positive end-expiratory pressure levels in critically ill neurosurgical patients with different baseline intracranial pressure levels**

Abstract Presenter: Alexander Solodov (Moscow, Russian Federation)

## Scientific Programme

Poster Corner  
16:00 - 18:00

Poster corner

### Cardiac arrest - Aspects before and after ROSC

Chair: Cornelia Genbrugge (Genk, Belgium)  
Chair: Jacob Steinmetz (Copenhagen, Denmark)

**Effect of hypertension across the age group on survival outcomes in out-of-hospital cardiac arrest**

Abstract Presenter: Ryu Hyunho (Gwangju, Korea, Republic of)

**Perioperative cardiac arrest & major non cardiac surgery admitting to the general surgical ICU**

Abstract Presenter: Suneerat Kongsayreepong (Bangkok, Thailand)

**Oxygen and carbon dioxide in patients after cardiac arrest**

Abstract Presenter: Lorenzo Peluso (Brussels, Belgium)

**Urine biomarkers may early predict acute kidney injury and outcome after out-of-hospital cardiac arrest**

Abstract Presenter: Sigrid Beitland (Oslo, Norway)

**Transcranial doppler flow pattern during and after target temperature management for outcome prediction after out-of-hospital cardiac arrest**

Abstract Presenter: Antje Reichenbach (Lørenskog, Norway)

**The clinical outcome of patients with refractory cardiac arrest treated with extracorporeal cardiopulmonary resuscitation**

Abstract Presenter: Andreas Krüger (Prague, Czech Republic)

**ICU characteristics and outcome after cardiac arrest in patients  $\geq 90$  years old**

Abstract Presenter: Kevin Roedl (Hamburg, Germany)

**Dynamic changes in coagulation and fibrinolysis during percutaneous cardiopulmonary support in patients after out-of-hospital cardiac arrest**

Abstract Presenter: Takumi Tsuchida (Sapporo-shi, Hokkaido, Japan)

**Neuron specific enolase as a prognostic biomarker after cardiac arrest**

Abstract Presenter: Jennifer Worthy (Brighton, United Kingdom)

**Clinical neurological examination in prediction of late outcome after cardiac arrest - the Neuro-NORCAST sub-study**

Abstract Presenter: Julia Henriksen (Oslo, Norway)

**Optic nerve sheath diameter measured using early unenhanced brain computed tomography shows no correlation with neurological outcomes in patients undergoing targeted temperature management after cardiac arrest**

Abstract Presenter: Dong Hoon Lee (Seoul, Korea, Republic of)

**Prolonged transport of patients after out-hospital cardiac arrest (OHCA) primarily to regional cardiac arrest center (CAC) doesn't affect initial hemodynamic parameters and outcomes**

Abstract Presenter: Jiri Karasek (Liberec, Czech Republic)

**"School of relatives", basic CPR training for laymen. Where do we start?**

Abstract Presenter: Jesús Priego Sanz (Ourense, Spain)

## Scientific Programme

**“School of relatives”, basic CPR training for laymen. How much and what do our attendants remain?**

Abstract Presenter: Jesús Priego Sanz (Ourense, Spain)

**Streamlined infrastructure reduces time-to-extracorporeal life support for in-hospital cardiac arrest**

Abstract Presenter: Martje Martha Suverein (Maastricht, Netherlands)

**What happens after cardiorespiratory arrest? Description of the neurological population and prognosis**

Abstract Presenter: Esmoris Arijon Ines (A CORUÑA, Spain)

Tech Lounge  
16:00 - 16:15

Tech Lounge

## Break-Networking-Brainstorming

NEXT Lounge  
16:00 - 17:00

NEXT Lounge

## NEXT Challenging debate

#ESICMNEXT

Chair: Nishkantha Arulkumaran (London, United Kingdom)

**Overtreatment and staff burnout**

**16:00**

Speaker: Ruth Kleinpell (Chicago, United States)

Speaker: Dominique Benoit (Ghent, Belgium)

Tech Lounge  
16:15 - 17:30

Tech Lounge

## Roundtable expert discussion: Telemedicine models in European ICUs - Why & how?

#tech

Chair: Marius Terblanche (London, United Kingdom)

Chair: Theodoros Kyprianou (Nicosia, Cyprus)

**What has telemedicine ever done for us?**

**16:15**

Speaker: Marius Terblanche (London, United Kingdom)

**A safety net, or a lever for change?**

**16:30**

Speaker: Robert Gatherer (London, United Kingdom)

**Communication between remote teams: Doing it well, and doing it badly**

**16:45**

Speaker: Theomary Karamanis (New York, United States)

**Making the financial case**

**17:00**

Speaker: Richard Beale (London, United Kingdom)

## Scientific Programme

### Discussion

17:15

Arena  
16:40 - 17:50

Arena

### Cardiovascular dynamics

Chair: Jean-Louis Teboul (Kremlin-Bicetre, France)  
Chair: Sheila Nainan Myatra (Mumbai, India)

**Biological scoring system for early prediction of acute bowel ischemia after cardiac surgery: the PALM score**

Abstract Presenter: Elie Zogheib (Amiens, France)

**Clinical and epidemiological characteristics of acute heart failure in the critically ill patient (ICAUCI study group)**

Abstract Presenter: Maria Consuelo Guia (Sabadell, Spain)

**Effects of adjustment of blood flow of venoarterial extracorporeal membrane oxygenation life support on microcirculation**

Abstract Presenter: Tzu Jung Wei (Taipei, Taiwan, Province of China)

**Dynamic assessment of fluid challenge in critically ill patients**

Abstract Presenter: Antonio Messina (Novara, Italy)

**Systemic and tissue response to fluid challenge**

Abstract Presenter: Paolo De Santis (Brussels, Belgium)

**Differences in EVLWI's behaviour among survivors and not survivors critically ill patients in a mexican intensive care unit**

Abstract Presenter: Mario Arturo Carrasco Flores (Mexico City, Mexico)

**Acute heart failure treatment in critically ill patients**

Abstract Presenter: Rocio Gomez (Pontevedra, Spain)

**The values from continual monitoring of arterial dP/dt max correlate with left ventricular contractility assessed by echocardiography in patients with advanced heart failure**

Abstract Presenter: Dagmar Vondrakova (Prague, Czech Republic)

**Fluid responsiveness depend on arterial load and vasopressor use in ICU patients**

Abstract Presenter: Maxime Nguyen (Dijon, France)

**Model based estimation of instability severity level in continuously monitored patients**

Abstract Presenter: Marilyn Hravnak (Pittsburgh, United States)

## Scientific Programme

Interactive Debates  
16:45 - 17:45

Interactive Debates

### The ideal workplace is just a dream

#ethic

You know what your ideal workplace looks like; you can name staffing requirements; you can draw a sketch of the ideal ICU building

Chair: Rik Gerritsen (Leeuwarden, Netherlands)

#### Debate

16:45

Speaker: Victoria Metaxa (London, United Kingdom)  
Speaker: Freda DeKeyser Ganz (Jerusalem, Israel)  
Speaker: Adrian Wong (London, United Kingdom)

NEXT Lounge  
17:00 - 18:00

NEXT Lounge

### NEXT Happy Hour

#ESICMNEXT

#### Connect to NEXT

17:00

Industry Sponsored Session  
18:15 - 19:15

Rome

### Industry sponsored session

Industry Sponsored Session  
18:15 - 19:15

Athens

### Industry sponsored session

Industry Sponsored Session  
18:15 - 19:15

Vienna

### Industry sponsored session

Industry Sponsored Session  
18:15 - 19:15

Glasgow

### Industry sponsored session

## Scientific Programme

### Tuesday, 23 October 2018

---

Keynote Lecture  
08:00 - 08:20

Paris

#### **ARDS phenotyping: A new era for clinical trials?**

#lung

Chair: Antonio Pesenti (Milan, Italy)

##### **Presentation**

**08:00**

Speaker: Carolyn Calfee (San Francisco, United States)

Thematic Session  
08:30 - 09:30

Berlin

#### **Advanced life support**

#trauma

Chair: Alain Cariou (Paris, France)

Chair: Markus Skrifvars (Helsinki, Finland)

##### **Airway management**

**08:30**

Speaker: Jerry Nolan (Bath, United Kingdom)

##### **Discussion**

**08:45**

##### **NIRS and ETCO<sub>2</sub> during resuscitation**

**08:50**

Speaker: Cornelia Genbrugge (Genk, Belgium)

##### **Discussion**

**09:05**

##### **Vasopressors and antiarrhythmics**

**09:10**

Speaker: Theresa Olasveengen (Oslo, Norway)

##### **Discussion**

**09:25**

Thematic Session  
08:30 - 09:30

Barcelona

#### **CNS infections**

#neuro

Chair: Geert Meyfroidt (Leuven, Belgium)

Chair: Giuseppe Citerio (Monza, Italy)

##### **Infection of the central nervous system: what's new**

**08:30**

Speaker: Lara Prisco (Oxford, United Kingdom)

##### **Discussion**

**08:45**

## Scientific Programme

<b>How to abolish EVD associated infection</b>	<b>08:50</b>
Speaker: Raimund Helbok (Innsbruck, Austria)	
<b>Discussion</b>	<b>09:05</b>
<b>Management of cerebral complications of endocarditis</b>	<b>09:10</b>
Speaker: Romain Sonnevill (Paris, France)	
<b>Discussion</b>	<b>09:25</b>
Thematic Session 08:30 - 09:30	Lisbon
<b>Too old for the ICU!</b>	
#outcomes	
Chair: Bertrand Guidet (Paris, France)	
Chair: Hans Flaatten (Bergen, Norway)	
<b>Predicting futility in elderly patients</b>	<b>08:30</b>
Speaker: Dylan de Lange (Utrecht, Netherlands)	
<b>Discussion</b>	<b>08:45</b>
<b>Can we select elderly patients that survive ICU</b>	<b>08:50</b>
Speaker: Bertrand Guidet (Paris, France)	
<b>Discussion</b>	<b>09:05</b>
<b>Healthcare associated costs associated with elderly</b>	<b>09:10</b>
Speaker: Hans Flaatten (Bergen, Norway)	
<b>Discussion</b>	<b>09:25</b>
Thematic Session 08:30 - 09:30	Vienna
<b>New insights on glycaemic control</b>	
#metabolic	
Chair: Valentin Fuhrmann (Hamburg, Germany)	
Chair: Karim Asehnoune (Nantes, France)	
<b>Continuous monitoring</b>	<b>08:30</b>
Speaker: Karim Asehnoune (Nantes, France)	
<b>Discussion</b>	<b>08:45</b>
<b>Individualised targets</b>	<b>08:50</b>
Speaker: Mette Berger (Lausanne, Switzerland)	
<b>Discussion</b>	<b>09:05</b>



## Scientific Programme

**Assessment of performance** 09:10

Speaker: Jean-Charles Preiser (Brussels, Belgium)

**Discussion** 09:25

Thematic Session  
08:30 - 09:30

Glasgow

### Interdisciplinary working & learning: How to get together

#LIVES2018

Chair: Johannes Mellinshoff (London, United Kingdom)  
Chair: Margo Van Mol (Rotterdam, Netherlands)

**Ingredients to create chemistry: Is IT the solution?** 08:30

Speaker: Pascale Gruber (London, United Kingdom)

**Discussion** 08:45

**Free speech? M&M meetings exposed!** 08:50

Speaker: Anne-Sophie Debue (Paris, France)

**Discussion** 09:05

**Professional identity in advanced roles: Where do I belong?** 09:10

Speaker: Carole Boulanger (Exeter, United Kingdom)

**Discussion** 09:25

Interactive Debates  
08:30 - 09:30

Interactive Debates

### Nutrition: The sooner the better?

#metabolic

Does data from the literature support utilising early nutrition in critically ill patients? What is the most appropriate delay of initiative nutrition in ICU?

Chair: Todd Rice (Nashville, United States)

**Debate** 08:30

Speaker: Annika Reintam Blaser (Tartu, Estonia)  
Speaker: Michael Hiesmayr (Vienna, Austria)  
Speaker: Jan Wernerman (Stockholm, Sweden)

## Scientific Programme

Clinical Challenges Session  
08:40 - 09:30

Paris

### **How do I manage haemodynamics in the ventilated patient?**

#cardio

Chair: Michael Pinsky (Pittsburgh, United States)

#### **Presentation**

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

Clinical Challenges Session  
08:40 - 09:30

Geneva

### **How do I manage a very agitated patient?**

#outcomes

Chair: Geeta Mehta (Toronto, Canada)

#### **Presentation**

Speaker: Arjen Slooter (Utrecht, Netherlands)

Clinical Challenges Session  
08:40 - 09:30

Rome

### **How do I identify the pathogenic micro organisms in septic patients early?**

#sepsis

Chair: Jan De Waele (Ghent, Belgium)

#### **Presentation**

Speaker: Michael Bauer (Jena, Germany)

Clinical Challenges Session  
08:40 - 09:30

Stockholm

### **How do I use antibiotics in obese patients?**

#micro

Chair: Jean Chastre (Paris, France)

#### **Presentation**

Speaker: Jeffrey Lipman (Brisbane, Australia)

## Scientific Programme

Clinical Challenges Session  
08:40 - 09:30

Athens

### How do I diagnose & manage vasculitis in ICU?

#renal

Intended for the non-systemic disease specialist.

Chair: Michael Joannidis (Innsbruck, Austria)

#### Presentation

Speaker: Marlies Ostermann (London, United Kingdom)

Tech Lounge  
09:00 - 09:50

Tech Lounge

### Machine learning & deep networks: An introduction

#tech

Chair: Cecilia Akerlund (Stockholm, Sweden)

Chair: Robert Gatherer (London, United Kingdom)

#### Artificial intelligence and machine learning - An overview

09:00

Speaker: Ari Ercole (Cambridge, United Kingdom)

#### Creating a predictive deep network - An introduction

09:25

Speaker: Marius Terblanche (London, United Kingdom)

NEXT Lounge  
09:00 - 10:00

NEXT Lounge

### NEXT Blackboard Lecture

#ESICMNEXT

Chair: Bernardo Bollen Pinto (Geneva, Switzerland)

Chair: Brijesh Patel (London, United Kingdom)

#### Understanding acute brain injury in critical illness

09:00

Speaker: Wes Ely (Nashville, United States)

Arena  
09:10 - 10:20

Arena

### Sepsis: From genetics to therapeutics

Chair: Richard Beale (London, United Kingdom)

Chair: Mitchell Levy (Providence, United States)

#### Vasopressin versus norepinephrine for the management of septic shock in cancer patients (VANCS II)

Abstract Presenter: Ludhmila Hajjar (Sao Paulo, Brazil)

## Scientific Programme

**Relationship between time to positivity of blood culture and mortality according to the site of infection**

Abstract Presenter: Young Woo Um (Seongnam, Korea, Republic of)

**Obstructive sleep apnea increases risk of sepsis, but with improved survival**

Abstract Presenter: Augustine Lee (Jacksonville, United States)

**The effect antibiotics duration on mortality and infectious complications in critically-ill septic patients- a meta-analysis**

Abstract Presenter: Muska Khpal (London, United Kingdom)

**A prospective and external validation of quick sequential organ failure assessment versus systemic inflammatory response syndrome criteria in patients with suspected infection in the emergency department**

Abstract Presenter: Atsushi Shiraishi (Kamogawa, Japan)

**Combining procalcitonin with the quick SOFA score improves sepsis mortality prediction**

Abstract Presenter: Chien-Chang Lee (Taipei, Taiwan, Province of China)

**The effects of human chorionic gonadotropin hormone-derivative EA-230 on the systemic inflammatory response and renal function following on-pump cardiac surgery, a randomized double-blind placebo-controlled phase II study**

Abstract Presenter: Roger van Groenendael (Nijmegen, Netherlands)

**Epigenome-wide DNA methylation profiling of sepsis**

Abstract Presenter: Alexandra Binnie (Faro, Portugal)

**Performance-based assessment of capillary leak index as mortality predictor in septic patients**

Abstract Presenter: Paul Palacios Moguel (Mexico City, Mexico)

**Clinical usefulness of modified CRB-65 score compared to SIRS and qSOFA as a screening tool for sepsis in initial emergency department: a propensity score matching study**

Abstract Presenter: Hyunjoo Oh (Jeju-si, Korea, Republic of)

Simulation Centre  
09:15 - 10:15

Simulation Centre - Mechanical Ventilation Area

## Mechanical ventilation area

#lung

**Case scenario - Measurement of respiratory mechanics at the bedside: From basics to advanced**

**09:15**

Speaker: Lise Piquilloud (Lausanne, Switzerland)

Speaker: Alain Mercat (Angers, France)

## Scientific Programme

Simulation Centre  
09:15 - 10:15

Simulation Centre - TEE/TOE Area

### TEE/TOE area

#cardio

#### Hands-on

09:15

Speaker: Filippo Sanfilippo (Catania, Italy)  
Speaker: Michelle Chew (Malmö, Sweden)

Simulation Centre  
09:15 - 10:45

Simulation Centre - Basics of Bronchoscopy in ICU Area

### Basics of bronchoscopy in ICU area

#lung

#### Hands-on

09:15

Speaker: Sheila Nainan Myatra (Mumbai, India)  
Speaker: Cristina Santonocito (Palermo, Italy)  
Speaker: Massimo Antonelli (Rome, Italy)

Simulation Centre  
09:15 - 10:45

Simulation Centre - ECMO Area

### ECMO area

#cardio

#### Hands-on

09:15

Speaker: Emric Besnard (Paris, France)  
Speaker: Hugo Guillou (Paris, France)  
Speaker: Sabine Valera (Marseille, France)  
Speaker: Dinis Reis Miranda (Groningen, Netherlands)  
Speaker: Anne-Sophie Lequeulx (Paris, France)

Oral Presentations  
09:40 - 10:55

Paris

### Abstract award winning session

```
<table border="0" cellpadding="0" cellspacing="0" width="80">
<tbody>
<tr height="20">
<td height="20" width="80">#LIVES2018</td>
</tr>
</tbody>
</table>
```

Chair: Maurizio Cecconi (Milan, Italy)  
Chair: Armand Girbes (Amsterdam, Netherlands)

## Scientific Programme

<b>Comparison of two opposite strategies of weaning: high vs. low work of breathing: a multicentre randomised controlled trial</b>	<b>09:40</b>
Abstract Presenter: Carles Subirà (Manresa, Spain)	
<b>Targeting low-normal vs. high-normal carbon dioxide after cardiac arrest and resuscitation: a randomized pilot trial (NCT02698917)</b>	<b>09:55</b>
Abstract Presenter: Pekka Jakkula (Helsinki, Finland)	
<b>Target attainment of empirically dosed continuous infusion of piperacillin/tazobactam and meropenem in critically ill patients</b>	<b>10:10</b>
Abstract Presenter: Sofie Dhaese (Ghent, Belgium)	
<b>Translational studies into the immunomodulatory effects of norepinephrine and alternative vasopressors</b>	<b>10:25</b>
Abstract Presenter: Roeland Stolk (Nijmegen, Netherlands)	
<b>Painful intensive care unit (ICU) stay reported by ICU survivors: influence of chest tube removal, intrahospital transport, and other events occurring during the stay in the ICU</b>	<b>10:40</b>
Abstract Presenter: Pierre Kalfon (Chartres, France)	

Oral Presentations  
09:40 - 10:55

Berlin

## Sepsis identification & prognosis

Chair: John Marshall (Toronto, Canada)  
Chair: Laura Evans (New York, United States)

<b>Association of septic shock definitions and standardized mortality ratio in a contemporary cohort of critically ill patients</b>	<b>09:40</b>
Abstract Presenter: Phillipe Bauer (Rochester, United States)	
<b>Hospital pre-alerting in a cohort of potentially septic patients brought into the emergency department by ambulance, is associated with more rapid delivery of antibiotics and improvement in physiological parameters at hospital admission</b>	<b>09:55</b>
Abstract Presenter: Duncan Hargreaves (Worthing, United Kingdom)	
<b>Diagnostic accuracy of a novel multiplex real-time PCR on whole blood for pathogen identification in critically ill patients with presumed sepsis</b>	<b>10:10</b>
Abstract Presenter: Kirsten van de Groep (Utrecht, Netherlands)	
<b>Role of Interleukin-6 on critically ill patients outcome: a post-hoc analysis of the FROG-ICU study</b>	<b>10:25</b>
Abstract Presenter: Benjamin Glenn Chousterman (Paris, France)	
<b>Global trends in sepsis mortality between 1985 and 2015: a temporal analysis of the WHO mortality database</b>	<b>10:40</b>
Abstract Presenter: Justin Saliccioli (Cambridge, United States)	

## Scientific Programme

Oral Presentations  
09:40 - 10:55

Barcelona

### Mechanical ventilation monitoring

Chair: Giacomo Bellani (Monza, Italy)  
Chair: Carolyn Calfee (San Francisco, United States)

- |   |              |
|---|--------------|
| <b>Transpulmonary pressures measurements as a mean to optimize mechanical ventilation in an unique series of patients combining ARDS and very severe morbid obesity</b> | <b>09:40</b> |
| Abstract Presenter: Damien Vimpere (Paris, France)  |              |
| <b>Early changes of end expiratory lung volume and lung strain predict lung collapse after PEEP decrement in recovering ARDS patients</b>                               | <b>09:55</b> |
| Abstract Presenter: Napplika Kongpolprom (Pathumwan, Thailand)  |              |
| <b>Diaphragmatic Tissue Doppler Imaging: a new technique to evaluate diaphragmatic dysfunction? A preliminary study</b>   | <b>10:10</b> |
| Abstract Presenter: Eleni Soilemezi (Thessaloniki, Greece)  |              |
| <b>Effects of timing of tracheostomy on mortality in a heterogeneous population of critically ill patients admitted to Italian ICUs</b>                                 | <b>10:25</b> |
| Abstract Presenter: Massimiliano Greco (Rozzano, Italy)   |              |
| <b>Assessment of reverse triggering during mechanical ventilation: validation of an automatic detection software</b>  | <b>10:40</b> |
| Abstract Presenter: Tai Pham (Toronto, Canada)  |              |

Oral Presentations  
09:40 - 10:55

Geneva

### Neurocritical Care

Chair: Fabio Silvio Taccone (Brussels, Belgium)  
Chair: Victoria McCredie (Toronto, Canada)

- |   |              |
|---|--------------|
| <b>Cerebral ketone metabolism at the acute phase of traumatic brain injury in humans: implications for glycemic and nutritional control</b>   | <b>09:40</b> |
| Abstract Presenter: Adriano Bernini (Lausanne, Switzerland)   |              |
| <b>Results of the implementation of a protocol and clinical pathway for the cerebral reperfusion of the acute ischemic stroke</b>   | <b>09:55</b> |
| Abstract Presenter: Josep Trenado Alvarez (Terrassa, Spain)   |              |
| <b>Imaging predictors of early recovery of consciousness after intracerebral hemorrhage</b>   | <b>10:10</b> |
| Abstract Presenter: Benjamin Rohaut (New York, United States)   |              |
| <b>Neurological symptoms in cirrhotic patients in ICU: hepatic or drug-induced encephalopathy? a metabolomic study</b>  | <b>10:25</b> |
| Abstract Presenter: Nicolas Weiss (Paris, France)   |              |
| <b>Impact of tolvaptan on osmolar efficacy of hypertonic saline in severe traumatic brain injury: a single centric, prospective, double blind, investigator initiated, randomized controlled clinical trial</b> | <b>10:40</b> |
| Abstract Presenter: Badri Prasad Das (Varanasi, India)  |              |

## Scientific Programme

Oral Presentations  
09:40 - 10:55

Rome

### Delirium biomarkers and treatment

Chair: Roland Francis (Berlin, Germany)  
Chair: Stijn Blot (Ghent, Belgium)

- |  |              |
|--|--------------|
| <b>Reduction effect of ramelteon, a melatonin receptor agonist, for delirium in ICU patients: a subgroup analysis from MELIt trial</b> | <b>09:40</b> |
| Abstract Presenter: Yuma Yasuda (Nagoya city, Japan)   |              |
| <b>Serum orexin-A concentration and acute brain dysfunction in critically ill patients</b>   | <b>09:55</b> |
| Abstract Presenter: Jun Oto (Tokushima, Japan)   |              |
| <b>Haloperidol serum concentrations in critically ill patients included in the REDUCE study</b>  | <b>10:10</b> |
| Abstract Presenter: Anne van Schijndel (Amsterdam, Netherlands)  |              |
| <b>Pharmacological interventions for the treatment of delirium in critically ill patients: a network meta analysis</b>                 | <b>10:25</b> |
| Abstract Presenter: Lisa Burry (Toronto, Canada)   |              |
| <b>Efficacy of dexmedetomidine in reducing duration of mechanical ventilation in patients with severe burn injury</b>                  | <b>10:40</b> |
| Abstract Presenter: Athina Lavrentieva (Thessaloniki, Greece)  |              |

Oral Presentations  
09:40 - 10:55

Stockholm

### Weaning from mechanical ventilation: New ideas

Chair: Leo Heunks (Nijmegen, Netherlands)  
Chair: Laurent Brochard (Toronto, Canada)

- |   |              |
|---|--------------|
| <b>The Weaning score to predict duration of weaning from readiness to extubation</b>                              | <b>09:40</b> |
| Abstract Presenter: Martin Dres (Paris, France)   |              |
| <b>The effects of pressure support and proportional assist ventilation on metabolic parameters during weaning</b> | <b>09:55</b> |
| Abstract Presenter: Murat Arslan (Izmir, Turkey)  |              |
| <b>Sleep depth before a weaning test from mechanical ventilation</b>  | <b>10:10</b> |
| Abstract Presenter: Martin Dres (Paris, France)   |              |
| <b>Indices of diaphragm ultrasound during voluntary cough and extubation outcome: an interim report</b>           | <b>10:25</b> |
| Abstract Presenter: Takushi Santanda (Chiba, Urayasu city, Japan)   |              |
| <b>Ventilator-induced diaphragm dysfunction in brain-dead and Maastricht III donors</b>                           | <b>10:40</b> |
| Abstract Presenter: Irene Dot Jordana (Barcelona, Spain)  |              |



## Scientific Programme

Oral Presentations  
09:40 - 10:55

Lisbon

### Preventive strategies in critical care infections

Chair: Paula Ramirez (Valencia, Spain)  
Chair: Jean-François Timsit (Paris, France)

- |   |              |
|---|--------------|
| <b>Impact of enteral nutrition on microaspiration of gastric contents in intubated critically ill patients with shock: a planned ancillary study of a randomized controlled trial</b>   | <b>09:40</b> |
| Abstract Presenter: Saad Nseir (Lille, France)  |              |
| <b>Impact of selective digestive decontamination on nosocomial infections and multiresistant bacteria in two intensive care units: one with versus another without selective digestive decontamination</b>  | <b>09:55</b> |
| Abstract Presenter: Catalina Sánchez Ramírez (Las Palmas de Gran Canaria, Spain)  |              |
| <b>Influence of tracheostomies, sub-glottic suction endotracheal tubes and routine chlorhexidine on the rate of suspected ventilator-associated pneumonia in Scottish intensive care units</b>  | <b>10:10</b> |
| Abstract Presenter: Robert Hart (Glasgow, United Kingdom)   |              |
| <b>The introduction of a policy of chlorhexidine washing is not associated with a reduction in rates of intensive care associated bloodstream infections, blood culture contamination, and colonisation or infection with multidrug-resistant microorganisms: an interrupted time series analysis</b> | <b>10:25</b> |
| Abstract Presenter: Frank van Haren (Canberra, Australia)   |              |
| <b>Value of semi-quantitative throat and rectal swabs to predict ESBL-VAP in ESBL carriers: a prospective cohort study</b>  | <b>10:40</b> |
| Abstract Presenter: Olivier Andreumont (Paris, France)  |              |

Oral Presentations  
09:40 - 10:55

Athens

### Outcomes in critical illness

Chair: Derek Angus (Pittsburgh, United States)  
Chair: Arjen Slooter (Utrecht, Netherlands)

- |   |              |
|---|--------------|
| <b>Memories: what the patient remembers after ICU discharge</b>   | <b>09:40</b> |
| Abstract Presenter: Amaury Cesar Jorge (Cascavel, Brazil)   |              |
| <b>Moral Distress, Burnout, and Coping among Intensive Care Professionals in Japanese ICUs</b>  | <b>09:55</b> |
| Abstract Presenter: Tomoko Fujii (Kyoto, Japan)   |              |
| <b>Association between delirium in the ICU and post-ICU functional dependency status</b>  | <b>10:10</b> |
| Abstract Presenter: Amaury Cesar Jorge (Cascavel, Brazil)   |              |
| <b>Evaluation of sleep architecture in patients recovering from critical care illness (CCI) in intensive care unit (ICU) and step down unit (SDU)</b> | <b>10:25</b> |
| Abstract Presenter: Brijesh Prajapat (Rohtak, India)  |              |

## Scientific Programme

**Long-term developmental effects of withholding parenteral nutrition in PICU** **10:40**  
Abstract Presenter: Sören Verstraete (Leuven, Belgium)

Oral Presentations  
09:40 - 10:55

Vienna

### Monitoring in sepsis

Chair: Bruno Levy (Vandoeuvre les Nancy, France)  
Chair: Antonio Artigas (Barcelona, Spain)

**Early identification of the microorganism causing bacteremia by metabolomic study in urine of patients diagnosed with sepsis and septic shock** **09:40**  
Abstract Presenter: Francisco Jose Rosa (Valencia, Spain)

**Neuroimaging findings in sepsis-induced brain dysfunction: association with clinical and laboratory findings** **09:55**  
Abstract Presenter: Gunseli Orhun (İstanbul, Turkey)

**Defining optimal dosing of ciprofloxacin in patients with septic shock** **10:10**  
Abstract Presenter: Fredrik Sjövall (Malmö, Sweden)

**Evaluating the response to volume administration in septic shock patients. Time to move from the Frank-Starling "Responder"?** **10:25**  
Abstract Presenter: Jaume Mesquida (Sabadell, Spain)

**Utility of brain natriuretic peptide levels to predict left ventricular systolic dysfunction in septic patients admitted to the intensive care unit** **10:40**  
Abstract Presenter: David Pérez-Torres (Valladolid, Spain)

Oral Presentations  
09:40 - 10:55

Glasgow

### Improving quality and ICU outcomes

Chair: Bertrand Guidet (Paris, France)  
Chair: Rik Gerritsen (Leeuwarden, Netherlands)

**Less is more: "Not to do" recommendations in the intensive care unit** **09:40**  
Abstract Presenter: M. Dolores Bosque (Sant Cugat del Vallés, Spain)

**Association between aging and the prevalence of systemic inflammatory response syndrome (SIRS) signs in patients admitted to the ICU with severe infection: a retrospective cohort study** **09:55**  
Abstract Presenter: Fernando Zampieri (São Paulo, Brazil)

**A nudge to improve protective lung ventilation strategies** **10:10**  
Abstract Presenter: Luke Hodgson (Southampton, United Kingdom)

**Clinical examination for estimating low cardiac output in critically ill patients: a SICS-I substudy** **10:25**  
Abstract Presenter: Thomas Kaufmann (Groningen, Netherlands)

## Scientific Programme

### **Lung ultrasound reliably predicts loss of aeration and ARDS morphology**

**10:40**

Abstract Presenter: Irene Steinberg (Turin, Italy)

Interactive Debates  
09:45 - 10:45

Interactive Debates

### **Advanced non-medical practitioners: Do they have a place in ICU?**

#LIVES2018

This discussion is centred around the impact of non medical roles on the medical monopoly. Is it good or bad? Where are we globally with the development of new advanced roles? What framework should be used and which stakeholders should be involved in this context?

Chair: Peter Nydahl (Kiel, Germany)

#### **Debate**

**09:45**

Speaker: Carole Boulanger (Exeter, United Kingdom)

Speaker: David McWilliams (Birmingham, United Kingdom)

Speaker: Pascale Gruber (London, United Kingdom)

Tech Lounge  
10:00 - 12:00

Tech Lounge

### **Demonstration session: Deep learning neural networks in action**

#tech

Chair: Ari Ercole (Cambridge, United Kingdom)

#### **Attendees will obtain introductory knowledge of data preprocessing, model design, fitting, and interpreting outputs**

**10:00**

Speaker: Marius Terblanche (London, United Kingdom)

NEXT Lounge  
10:00 - 11:00

NEXT Lounge

### **NEXT 2025: The future of Intensive Care**

#ESICMNEXT

Chair: Gennaro De Pascale (Rome, Italy)

Chair: Nishkantha Arulkumaran (London, United Kingdom)

#### **Super bugs of the future? What are we facing?**

**10:00**

Speaker: Jan De Waele (Ghent, Belgium)

Speaker: Despoina Koulenti (Brisbane, Australia)

Speaker: José Garnacho-Montero (Seville, Spain)

## Scientific Programme

Poster Corner  
10:10 - 12:10

Poster corner

### Acute respiratory failure, experimental studies

Chair: Paolo Pelosi (Genova, Italy)

Chair: Jesus Villar (Las Palmas de Gran Canaria, Spain)

**Effects of Hippo signaling on anti-oxidative stress of mesenchymal stem cells in vitro**

Abstract Presenter: Liang Dong (Wuxi, China)

**Silencing of cirHIPK3 ameliorates fibroblast myofibroblast differentiation**

Abstract Presenter: Jiaxiang Zhang (Shanghai, China)

**Magnetic resonance 4d flow evaluation of pulmonary vascular dysfunction in a porcine model of acute respiratory distress syndrome**

Abstract Presenter: Arnoldo Santos (Madrid, Spain)

**Effect of hypercapnia in in vitro human primary culture of alveolar cells**

Abstract Presenter: Luis Morales-Quinteros (Barcelona, Spain)

**Antioxidative effect of human adult adipose derived mesenchymal stem cells in pulmonary epithelial damage induced by mechanical stretch**

Abstract Presenter: Oscar Peñuelas (Getafe, Spain)

**Global and regional strain increase in extubated subjects on spontaneous ventilation after experimental lung injury. Preliminary results**

Abstract Presenter: Pablo Cruces (Santiago, Chile)

**Effects of acute hyperoxia exposure in lipopolysaccharide (LPS) lung injury mouse model**

Abstract Presenter: Sei Won Kim (Seoul, Korea, Republic of)

**Respiratory enthalpy is not affected by acute manipulations of the ventilation-perfusion-ratio in a porcine model**

Abstract Presenter: Maximilian Edlinger-Stanger (Vienna, Austria)

**Small airway hyperreactivity in an experimental model of acute lung injury**

Abstract Presenter: Roque Basoalto (Santiago, Chile)

**The washout of CO<sub>2</sub> from anatomical dead space is the same with Hi-VNI and Optiflow**

Abstract Presenter: Yu Onodera (Yamagata, Japan)

**Alkaline phosphatase does not affect pulmonary inflammation and coagulation in a two-hit lung injury model**

Abstract Presenter: Jenny Juschten (Amsterdam, Netherlands)

**Transpulmonary thermodilution during ECMO: detection of a potential loss of indicator by a second, extra-corporeal thermodilution catheter within the ECMO-circuit: the HEUREKA-IV animal study**

Abstract Presenter: Wolfgang Huber (Munich, Germany)

**Modulation of Hippo signaling promotes mesenchymal stem cells to optimize lung injury repair in murine lipopolysaccharide induced ARDS**

Abstract Presenter: Liang Dong (Wuxi, China)

**Intravenous analysis (IVA) detects right heart failure during respiratory arrest in a rat model**

Abstract Presenter: Susan Eagle (Nashville, United States)

## Scientific Programme

Poster Corner  
10:10 - 12:10

Poster corner

### Monitoring during respiratory support

Chair: Claude Guérin (Lyon, France)  
Chair: Hannah Wunsch (Toronto, Canada)

**Prevalence of atypical sleep and pathological wakefulness in patients with acute respiratory failure in respiratory care unit**

Abstract Presenter: Nuttapol Rittayamai (Bangkok, Thailand)

**Customized spontaneous breathing trials determined by electrical impedance tomography improved successful weaning rate in prolong mechanical ventilated patients**

Abstract Presenter: Yeong-Long Hsu (New Taipei City, Taiwan, Province of China)

**Comparison of mechanical and electronic devices to prevent underinflation of tracheal tube cuff pressure in mechanically ventilated patients**

Abstract Presenter: Nicolas Adam (Paris, France)

**Ventilation free hours in cardiac surgery: new proposal prognosis measure**

Abstract Presenter: Montserrat Gómez Orozco (Ciudad de México, Mexico)

**Accuracy of the functional residual capacity (FRC) of a lung simulator (TestChest®) using a modified nitrogen washout/washin technique by using an agreement analysis with an ICU ventilator**

Abstract Presenter: Joana Berger-Estilita (Bern, Switzerland)

**A description of the structure and contractile activity of the diaphragm during the course of mechanical ventilation**

Abstract Presenter: Susan Hanekom (Stellenbosch, South Africa)

**Lung recruitment volume assessed by traditional pressure-volume curve and electrical impedance tomography**

Abstract Presenter: Jian-Xin Zhou (Beijing, China)

**Evaluation of the immediate effect of different metered dose inhalers on mechanical ventilator patients with acute exacerbation of obstructive pulmonary diseases by using a non-invasive electrical impedance tomography**

Abstract Presenter: Mei Yun Chang (New Taipei City, Taiwan, Province of China)

**The measurement of the hysteresis in a pressure-volume curve, with a post tracheal tube pressure sensor, during a PEEP trial could allow to evaluating the variation of the recruited pulmonary volume by the tidal volume at each level of PEEP**

Abstract Presenter: Jean Francois Georger (Villeneuve Saint Georges, France)

**Monitoring diaphragmatic ultrasound in acute hypoxic-hypercapnic respiratory failure: a pilot feasibility study**

Abstract Presenter: Gianmaria Cammarota (Novara, Italy)

**Electrical impedance tomography compared to biomechanical based on computed tomography (CT) for the measurement of regional lung strain in ARDS patients. Preliminary results**

Abstract Presenter: Rodrigo Cornejo (Santiago, Chile)

**Accuracy of pulse oximetry for INTELLiVENT-ASV®: a prospective observational study**

Abstract Presenter: Shinshu Katayama (Shimotsuke, Tochigi, Japan)

**Application of adaptive support ventilation in Korean patients with acute lung injury**

Abstract Presenter: Wou Young Chung (Suwon, Korea, Republic of)

## Scientific Programme

### **Tuning the ventilator using diaphragmatic ultrasonography**

Abstract Presenter: Eleni Soilemezi (Thessaloniki, Greece)

### **MOTIVE: Monitoring Tidal VolumEs. A feasibility trial measuring the tidal volume of every breath during invasive ventilation**

Abstract Presenter: Melvin J Leong (Alverstoke, United Kingdom)

### **Aeration changes induced by high flow nasal cannula are more homogeneous than those generated by non-invasive ventilation in healthy subjects**

Abstract Presenter: Irene Dot (Barcelona, Spain)

Poster Corner  
10:10 - 12:10

Poster corner

## Heart surgery

Chair: Alexandre Mebazaa (Paris, France)  
Chair: Christiaan Boerma (Lleuwaarden, Netherlands)

### **Perioperative risk factors of deteriorating lung oxygenation after cardiac surgery**

Abstract Presenter: Hiroki Taenaka (Suita-shi, Osaka, Japan)

### **Surgery of congenital heart disease in adults predictive factors of re-entry and mortality**

Abstract Presenter: María Dolores Fernández Zamora (Málaga, Spain)

### **Statins prevent bleeding in patients undergoing myocardial revascularization surgery**

Abstract Presenter: María Dolores Fernández Zamora (Málaga, Spain)

### **Surgery for infective endocarditis are there differences between prosthetic and native valves?**

Abstract Presenter: Nora Palomo-López (Sevilla, Spain)

### **Our 20 years experience with complicated infective endocarditis in intensive care unit: early vs late surgical intervention**

Abstract Presenter: Farook Ahmad (Kuala Lumpur, Malaysia)

### **A 20 years retrospective study of complicated infective endocarditis in intensive care unit; medical treatment versus surgical intervention**

Abstract Presenter: Farook Ahmad (Kuala Lumpur, Malaysia)

### **Bleeding and need of polytransfusion in obese population who has undergone heart surgery**

Abstract Presenter: Elena Trujillo García (Málaga, Spain)

### **Study of complications and mortality in patients older than 70 years undergoing myocardial revascularization surgery collected in the ARIAM Registry of Andalusia**

Abstract Presenter: María Dolores Fernández Zamora (Málaga, Spain)

### **Post-operative follow-up of patients who underwent surgery for congenital cardiopathies of adults in the ICU**

Abstract Presenter: María Dolores Fernández Zamora (Málaga, Spain)

### **Analysis of the impact of early surgery on in-hospital mortality in patients with infective endocarditis**

Abstract Presenter: Sara Escalona Rodriguez (Seville, Spain)

## Scientific Programme

**Dexmedetomidine for delirium after cardiac surgery in high risk patients: friend or foe?**

Abstract Presenter: Aristeia Petroulaki (Heraklion, Greece)

**Dialysis-dependent chronic renal failure is a risk factor for post-cardiac surgery vasoplegic syndrome**

Abstract Presenter: Suga Masafumi (Kobe, Japan)

**Evolution of ruptured abdominal aortic aneurysm treatment: a ten-year overview in ICU**

Abstract Presenter: Olga Moreno Romero (Granada, Spain)

**Analysis of effective responders by inhaled nitric oxide in adult cardiovascular surgery with pulmonary hypertension**

Abstract Presenter: Hidenobu Kamohara (Kumamoto, Japan)

**Pulmonary hypertension and heart disease after pneumonectomy: the key role of pulmonary endothelial cells**

Abstract Presenter: Pierre Sentenac (Montpellier, France)

**Interaction of ventricular arterial coupling in postoperative aortic valve replacement**

Abstract Presenter: Ivan Lima Lucero (Mexico City, Mexico)

**Fluid therapy after elective coronary artery bypass surgery: a retrospective analysis of maintenance, resuscitation and unintended fluids**

Abstract Presenter: Tina Maes (Jette, Belgium)

Poster Corner  
10:10 - 12:10

Poster corner

## "Food & thoughts"

Chair: Christina Agvald-Öhman (Stockholm, Sweden)  
Chair: Margo Van Mol (Rotterdam, Netherlands)

**Long-term mechanical ventilation patients in intensive care units, what to do**

Abstract Presenter: Manuel Muñoz Garach (Granada, Spain)

**End-of-life practices (EOLP) in worldwide intensive care units (ICUs): the Ethicus II study**

Abstract Presenter: Alex Avidan (Jerusalem, Israel)

**Don't write off the liver! 20 year retrospective analysis of patients with decompensated alcoholic liver disease (ALD) admitted to a single district general hospital (DGH) intensive care unit (ICU)**

Abstract Presenter: Nicola Raeside (Redhill, United Kingdom)

**Acute-on-chronic liver failure score in acute decompensated cirrhosis: measurement and prognostic value**

Abstract Presenter: Nasreddine Foudhaili (Tunis, Tunisia)

**Prognostic value of albumin-to-bilirubin score in decompensated cirrhosis**

Abstract Presenter: Nasreddine Foudhaili (Tunis, Tunisia)

**Metabolic differences during normothermic regional preservation in donation after circulatory death type II and type III**

Abstract Presenter: Nora Palomo-López (Sevilla, Spain)

## Scientific Programme

**Actual and potential organ donation procedures after successfully resuscitated cardiac arrest in a French general ICU**

Abstract Presenter: Yacine Arrahmane (Paris, France)

**Uncontrolled donation after circulatory death (uDCD) in Donostia University Hospital, 2015-2018**

Abstract Presenter: Mariana De Almeida e Silva (Donostia - San Sebastian, Spain)

**Admission conditioned to organ donation in a hospital without on site neurosurgical facilities**

Abstract Presenter: Noemi Arriero Fernández (Guadalajara, Spain)

**Ethical evaluation before living kidney donation: a pilot study**

Abstract Presenter: Karine Hadaya (Geneva, Switzerland)

**Analysis of potential organ donors (explantation of abdominal organs) in  $\geq 75$ -year-old brain dead patients in an intensive care unit (medical ICU) in a secondary-level university hospital**

Abstract Presenter: Esther Moreno Lopez (Ferrol, Spain)

**Iconographic (brain CT-scan) and clinical characteristics of patients with acute cerebrovascular disease (ACVD), hemorrhagic or ischemic, who were declared brain dead in a secondary-level university hospital in a six-year period**

Abstract Presenter: Esther Moreno Lopez (Ferrol, Spain)

**Brain dead donors (BDD) following cerebral gunshot wounds: renal allografts' validity**

Abstract Presenter: Belén Estébanez Montiel (Madrid, Spain)

**Depression and anxiety symptoms among living donor liver transplantation patients' relatives**

Abstract Presenter: Hakan Korkut Atalan (Istanbul, Turkey)

**Analysis of preconditioning factors influencing immediate graft function after deceased donor kidney transplantation**

Abstract Presenter: Jin Joo Kim (Seoul, Korea, Republic of)

**DCD process in Italy: a growing experience**

Abstract Presenter: Paola Fassini (Legnano, Italy)

**Causes of failure during the management process from identification of brain-dead potential organ donors to actual donation in Korea - 5-year data analysis (2012-2016)**

Abstract Presenter: Jae-Myeong Lee (Seoul, Korea, Republic of)

Poster Corner  
10:10 - 12:10

Poster corner

## What can we do to influence the outcome in our patients?

Chair: Dylan de Lange (Utrecht, Netherlands)

Chair: Kenneth Christopher (Boston, United States)

**Long-term survival and causes of death in alcohol misuse patients after ICU discharge**

Abstract Presenter: Siiri Hietanen (Oulu, Finland)



## Scientific Programme

**Length of stay in the intensive care unit (ICU) and associated critical care outcomes: aretrospective review of 12,975 patients**

Abstract Presenter: Stefan Weetman (Redhill, United Kingdom)

**One-year follow up of high-risk patients admitted in ICU after elective surgery from 2011 to 2016**

Abstract Presenter: Andrea Forastieri Molinari (Lecco (LC), Italy)

**ICU follow-up clinic: which patients benefit the most?**

Abstract Presenter: Ana Rita Costa (Porto, Portugal)

**SAHUCI: results of the first Spanish multicenter study about satisfaction in ICU**

Abstract Presenter: Maria Soledad Holanda Peña (Santander, Spain)

**Analysis of prognostic scoring systems used in critically ill patients with status epilepticus**

Abstract Presenter: Sara Casanova Prieto (Madrid, Spain)

**Prevalence and impact of frailty in patients over 65 years of age admitted to intensive care unit**

Abstract Presenter: Sonia Lopez-Cuenca (Getafe, Spain)

**Compared airway pressures' discriminative properties in the prediction of mortality in non-COPD patients**

Abstract Presenter: Mohamed Boussarsar (Sousse, Tunisia)

**The outcomes and prognostic factors of patients with acute respiratory failure and prolonged intensive care unit stay**

Abstract Presenter: Kuo-Chen Cheng (Tainan, Taiwan, Province of China)

**Incidence and mortality of multiple organ failure (MOF) in septic patients. An 11 year review in Catalonia**

Abstract Presenter: Carol Lorencio (Girona, Spain)

**Outcome of oncology patients in intensive care unit: 5 year experience**

Abstract Presenter: Vasiliki Psallida (Athens, Greece)

**What happens after sepsis? A review of sepsis patient outcomes in Catalonia**

Abstract Presenter: Carol Lorencio (Girona, Spain)

**Intensive care and the post-intensive care syndrome: a prospective cohort study**

Abstract Presenter: Inês Furtado (Porto, Portugal)

Poster Corner  
10:10 - 12:10

Poster corner

## Quality interventions

Chair: Anne-Sophie Debue (Paris, France)  
Chair: Andreas Valentin (Schwarzach, Austria)

**Incidence and risk factors associated with ocular surface disorders in ventilated ICU patients and impact of protocolised eye care**

Abstract Presenter: Vikas Bhagat (Mumbai, India)

## Scientific Programme

**Multicenter binational investigation of necrotizing soft tissue infections from diagnosis and to six months: patient and family perspective. A presentation of three sub-studies**

Abstract Presenter: Ingrid Egerod (Copenhagen, Denmark)

**Nurse perception of support for young children during their visit of an adult beloved one in the ICU**

Abstract Presenter: E.M. van Hooff (Amsterdam, Netherlands)

**Nursing model of end of life care: from curative interventions to palliative measures**

Abstract Presenter: Julie Benbenishty (Jerusalem, Israel)

**Embedding clinical research into the culture of clinical practice within the critical care environment**

Abstract Presenter: Sarah Bean (Truro Cornwall, United Kingdom)

**Patients' experience regarding night time and sleep deprivation in ICU: results from a metasynthesis**

Abstract Presenter: Matteo Danielis (Udine, Italy)

**Accuracy and precision of non-invasive thermometers in comparison to pulmonary artery temperature: a systematic review and meta-analysis**

Abstract Presenter: Rafael Lima Rodrigues Carvalho (Belo Horizonte, Brazil)

**The impact of follow-up visits and diaries on patient outcome after ICU discharge: a descriptive and explorative study**

Abstract Presenter: Eva Åkerman (Stockholm, Sweden)

**Nurse led intravenous (IV) team in a post surgical critical care unit: evaluation of the insertion technique of peripherally inserted central catheters (PICC)**

Abstract Presenter: Noemi Cortes Rey (A Coruña, Spain)

**Sustainability in critical care practice**

Abstract Presenter: Heather Baid (Brighton, United Kingdom)

**A concept analysis of discomfort: differentiating pain and discomfort**

Abstract Presenter: Shelly Ashkenazy (Jerusalem, Israel)

**The challenge in decreasing central line associated bloodstream infections (CLABSI)**

Abstract Presenter: Tanya Sonin Yehuda (Ramat Gan, Israel)

**A comparison of international ICU nurse involvement in EOL decisions: 2002 versus 2017**

Abstract Presenter: Julie Benbenishty (Jerusalem, Israel)

**Organised nurse teaching program by senior ICU nurses improves nurse led cardiac output monitor guided management of severe septic shock**

Abstract Presenter: Michela Di Pierro (Cambridge, United Kingdom)

**An investigation of the cultural perspectives of a group of patients and relatives on blood donation and blood transfusion in Turkey**

Abstract Presenter: Aynur Koyuncu (Gaziantep, Turkey)

**Comparison of endotracheal tube cuff pressure values before and after training seminar in ICU**

Abstract Presenter: Tomasz Skladzien (Cracow, Poland)

**Using a structured judgement review methodology to evaluate care following discharge from ICU**

Abstract Presenter: Sarah Vollam (Oxford, United Kingdom)

## Scientific Programme

Poster Corner  
10:10 - 12:10

Poster corner

### Endotoxaemia & blood purification in sepsis

Chair: Marc Leone (Marseille, France)  
Chair: Peter Schellongowski (Vienna, Austria)

**The effects of genistein supplementation to oral/enteral nutrition solutions on inflammatory cytokines in septic ICU patients: prospective, single-center, randomized controlled, a pilot study**

Abstract Presenter: Murat Sungur (Kayseri, Turkey)

**Multivariate analysis of cytokines in septic shock predicts outcome**

Abstract Presenter: David B Antcliffe (London, United Kingdom)

**The clinical application of extracorporeal membrane oxygenation for sepsis related non pulmonary associated infection**

Abstract Presenter: Taehwa Hong (Anyang-si, Korea, Republic of)

**Effects of polymyxin B hemoperfusion on septic shock in patients after liver surgery: a pilot study**

Abstract Presenter: A Lan Lee (Seoul, Korea, Republic of)

**Endotoxin and cytokin reduction function of the oXiris filter in a prospective double-blinded cross-over setting in patients with critical Gram- septic shock and continuous renal replacement therapy requiring acute kidney injury**

Abstract Presenter: Marcus Ewert Broman (Lund, Sweden)

**The affecting factors for EAA (Endotoxin Activity Assay) are important in safety and efficacy of polymyxin B hemoperfusion (PMX) for septic shock (EUPHRATES) trial**

Abstract Presenter: Miri Kang (Tokyo, Japan)

**Hemoadsorption by extracorporeal cytokine adsorption therapy (CytoSorb®) in the management of sepsis: a retrospective observational study**

Abstract Presenter: Yogendra Pal Singh (New Delhi, India)

**Cytokine and DAMP adsorption in septic acute kidney injury**

Abstract Presenter: Clara Maria Laubach (Munich, Germany)

**Early therapeutic plasma exchange as rescue therapy in septic shock**

Abstract Presenter: Sascha David (Hannover, Germany)

**The combination of AN69ST-CRRT and PMX-DHP reduces the dosage of vasopressors needed and fluid infusion in patients with septic AKI**

Abstract Presenter: Hiromichi Narumiya (Kyoto, Japan)

**The selection criteria for blood purification as a mediator modulator in critical care: a single-center case-control study**

Abstract Presenter: Yoshitaka Hara (Toyoake, Japan)

**Polymyxin hemoperfusion in gramnegative septic shock**

Abstract Presenter: Jose-Maria Bonell Goytisolo (Palma de Mallorca, Spain)

**Not only endotoxin values but also coagulopathy and renal failure could contribute to 28 day mortality in septic shock after PMX-DHP therapy**

Abstract Presenter: Mihoko Tsunoda (Tokyo, Japan)

## Scientific Programme

**Initial experience of using polymyxin B hemoperfusion in abdominal septic shock: things to consider for better outcome**

Abstract Presenter: Jin Joo Kim (Seoul, Korea, Republic of)

**Fever control reduces the severity of diffuse intravascular dissemination in human endotoxemia, associated with inhibition of endothelial activation**

Abstract Presenter: Matthew Harmon (Amsterdam, Netherlands)

**Circulating evil humours cause mitochondrial dysfunction in sepsis. Does size matter?**

Abstract Presenter: Sean Pollen (London, United Kingdom)

**Human endotoxemia and hypoxia increase dicarbonyl stress in healthy men**

Abstract Presenter: Rob Driessen (Maastricht, Netherlands)

Poster Corner  
10:10 - 12:10

Poster corner

## Cardiac arrest & trauma - Experimental studies

Chair: Markus Skrifvars (Helsinki, Finland)

Chair: Jerry Nolan (Bath, United Kingdom)

**Omecamtiv mecarbil treatment improves post-resuscitation cardiac output and neurological outcome in an animal model**

Abstract Presenter: Chien-Hua Huang (Taipei, Taiwan, Province of China)

**Exploring optimal mean arterial pressure at various temperatures in a porcine cardiac arrest model**

Abstract Presenter: Theresa Olasveengen (Oslo, Norway)

**Commencing one-handed chest compressions while activating emergency medical system by handheld mobile device in lone rescuer basic life support: a randomised crossover simulation study**

Abstract Presenter: Donggun Lee (Anyang si, Korea, Republic of)

**Comparison of different resuscitation algorithms regarding hand-on time and algorithm adherence**

Abstract Presenter: Timur Sellmann (Wuppertal, Germany)

**Cardiac effects of beta1-adrenergic receptor blockade (esmolol) during extracorporeal cardiopulmonary resuscitation (VA-ECMO) in pigs**

Abstract Presenter: Hilde Karlsen (Oslo, Norway)

**Impact of training on quality of cardiopulmonary resuscitation**

Abstract Presenter: Karolina Kaunaite (Vilnius, Lithuania)

**Comparison of quality of chest compressions during cardiopulmonary resuscitation with two models of automated external defibrillator**

Abstract Presenter: Vincent Peigne (Meythet, France)

**Evaluation of the quality of cardiopulmonary resuscitation according to vehicle driving pattern, using a virtual reality ambulance driving system: a prospective, crossover, randomised study**

Abstract Presenter: Yoo Seok Park (Seoul, Korea, Republic of)

## Scientific Programme

**Low perfusion ECMO can provide appropriate therapeutic hypothermia for post cardiac arrest syndrome**

Abstract Presenter: Hideki Arimoto (Osaka, Japan)

**Crew resource management: is it lacking in basic life support training? - CRM study**

Abstract Presenter: André Correia (Faro, Portugal)

**Therapeutic application of recombinant human ADAMTS-13 to improve deranged coagulation in a trauma-transfusion rat model**

Abstract Presenter: Mathijs R Wirtz (Amsterdam, Netherlands)

**Therapeutic effect of xanthine oxidase (XO) inhibitors on animal models of haemorrhagic shock: a systematic review**

Abstract Presenter: Karen Azouri (Montréal, Canada)

**Impairment of glucocorticoid receptor function aggravates hypotension and lung injury in mice after hemorrhagic shock**

Abstract Presenter: Martin Wepler (Ulm, Germany)

**Myeloid-derived suppressor cells infiltrate the brain and suppress neuroinflammation in a mouse model of traumatic brain injury**

Abstract Presenter: Sanae Hosomi (Suita, Japan)

**High (2:1) versus standard (1:1) platelet:RBC dose in a rat polytrauma transfusion model**

Abstract Presenter: Derek J.B. Kleinveld (Amsterdam, Netherlands)

Unplugged Session  
10:30 - 11:00

Arena

### Mervyn Singer Unplugged

#sepsis

Chair: Flavia R. Machado (São Paulo, Brazil)

**Sepsis-3: Good? Very good? Bad? Or Ugly?**

10:30

Speaker: Mervyn Singer (London, United Kingdom)

Simulation Centre  
10:30 - 11:30

Simulation Centre - Mechanical Ventilation Area

### Mechanical ventilation area

#lung

**Case scenario - Ventilating a patient with obstructive disease**

10:30

Speaker: Jordi Mancebo Cortes (Barcelona, Spain)

Speaker: Lise Piquilloud (Lausanne, Switzerland)

## Scientific Programme

Simulation Centre  
10:30 - 11:30

Simulation Centre - TEE/TOE Area

### TEE/TOE area

#cardio

#### Hands-on

10:30

Speaker: Nick Fletcher (London, United Kingdom)  
Speaker: Bernard Cholley (Paris, France)

Clinical Challenges Session  
11:00 - 11:50

Paris

### How do I manage my patient during non-invasive ventilation?

#lung

Chair: Jean-Daniel Chiche (Paris, France)

#### Presentation

Speaker: Alexandre Demoule (Paris, France)

Thematic Session  
11:00 - 12:00

Berlin

### Does my patient have AKI?

#renal

The specifics of diagnosing AKI by the classic tools, biomarkers or an e-alert and the strengths and limitations of the different methods for diagnosing AKI

Chair: Eric Hoste (Ghent, Belgium)  
Chair: Suvi Vaara (Helsinki, Finland)

#### Serum creatinine, urine output and urine biochemistry are enough

11:00

Speaker: Marjel van Dam (Utrecht, Netherlands)

#### Discussion

11:15

#### New biomarkers

11:20

Speaker: Michael Joannidis (Innsbruck, Austria)

#### Discussion

11:35

#### An AKI e-alert

11:40

Speaker: Miet Schetz (Leuven, Belgium)

#### Discussion

11:55

## Scientific Programme

Thematic Session  
11:00 - 12:00

Barcelona

### Haemorrhagic shock

#cardio

Chair: Azriel Perel (Tel Aviv, Israel)  
Chair: Sameer Jog (Pune, India)

#### Optimal arterial pressure in haemorrhagic shock

11:00

Speaker: Martin Dünser (Linz, Austria)

#### Discussion

11:15

#### Hypotension and outcome

11:20

Speaker: Thomas Scheeren (Groningen, Netherlands)

#### Discussion

11:35

#### Vasopressors in haemorrhagic shock

11:40

Speaker: Olfa Hamzaoui (Clamart, France)

#### Discussion

11:55

Clinical Challenges Session  
11:00 - 11:50

Geneva

### How do I decrease delirium in my ICU?

#periop

Chair: Arjen Slooter (Utrecht, Netherlands)

#### Presentation

Speaker: Mark van den Boogaard (Nijmegen, Netherlands)

Thematic Session  
11:00 - 12:00

Rome

### ICM Year in Review: Editors' best picks

#LIVES2018

Chair: Elie Azoulay (Paris, France)  
Chair: Samir Jaber (Montpellier, France)

#### Learning from your publications in ARDS

11:00

Speaker: Laurent Papazian (Marseille, France)

#### Discussion

11:15

#### Cardiovascular disorders

11:18

Speaker: Antoine Vieillard-Baron (Boulogne, France)

#### Discussion

11:33

## Scientific Programme

<b>Ethical issues</b>	<b>11:36</b>
Speaker: J. Randall Curtis (Seattle, United States)	
<b>Discussion</b>	<b>11:51</b>
<b>The three best 2017 ICM papers</b>	<b>11:54</b>
Speaker: Elie Azoulay (Paris, France)	

Thematic Session  
11:00 - 12:00

Stockholm

### Point of care tests: Closer to an answer or just to the bed?

#sepsis

Chair: Massimo Girardis (Modena, Italy)  
Chair: Ricard Ferrer Roca (Barcelona, Spain)

<b>Microbiological diagnosis of sepsis: Blood culture vs. PCR</b>	<b>11:00</b>
Speaker: Michael Bauer (Jena, Germany)	
<b>Discussion</b>	<b>11:15</b>
<b>Biochip point of care device for sepsis diagnostics</b>	<b>11:20</b>
Speaker: Pedro Pova (Lisbon, Portugal)	
<b>Discussion</b>	<b>11:35</b>
<b>The use of multiplex PCR for the pathogen</b>	<b>11:40</b>
Speaker: Karim Asehnoune (Nantes, France)	
<b>Discussion</b>	<b>11:55</b>

Thematic Session  
11:00 - 12:00

Lisbon

### Critical emergencies: Burns & toxicology

#trauma

Chair: Bruno Mégarbane (Paris, France)  
Chair: Sharon Einav (Jerusalem, Israel)

<b>Fluid resuscitation in the burn patient: Fluid restriction vs standard management</b>	<b>11:00</b>
Speaker: Jean-Louis Teboul (Kremlin-Bicetre, France)	
<b>Discussion</b>	<b>11:15</b>
<b>Infections in burn patients: Epidemiology, prevention and treatment</b>	<b>11:20</b>
Speaker: Matthieu Legrand (Paris, France)	
<b>Discussion</b>	<b>11:35</b>
<b>An update on toxicology: Hot topics and management</b>	<b>11:40</b>
Speaker: Bruno Mégarbane (Paris, France)	



## Scientific Programme

**Discussion** **11:55**

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

Athens

### ICM Experimental 2: Lessons from the lab

#LIVES2018

Chair: Mervyn Singer (London, United Kingdom)  
Chair: Peter Radermacher (Ulm, Germany)

**How do stem cells work?** **11:00**

Speaker: John Laffey (Toronto, Canada)

**Discussion** **11:15**

**How do kidneys fail?** **11:20**

Speaker: Nishkantha Arulkumaran (London, United Kingdom)

**Discussion** **11:35**

**How does the microcirculation respond to different shock states?** **11:40**

Speaker: Arnaldo Dubin (La Plata, Argentina)

**Discussion** **11:55**

Clinical Challenges Session  
11:00 - 11:50

Vienna

### How do I implement early mobilisation & exercise?

#metabolic

Chair: Jan Wernerman (Stockholm, Sweden)

#### Presentation

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

Clinical Challenges Session  
11:00 - 11:50

Glasgow

### How do I humanise patient care?

#LIVES2018

Chair: Silvia Calvino Günther (Grenoble, France)

#### Presentation

Speaker: Nancy Kentish-Barnes (Paris, France)

## Scientific Programme

Interactive Debates  
11:00 - 12:00

Interactive Debates

### We still need colloids in our ICUs

#sepsis

1) To highlight the benefits and risks of colloid therapy; 2) To discuss the evidence & pros and cons of colloid therapy in sepsis; 3) To discuss the practical aspects of using colloids in patients with sepsis

Chair: Claude Martin (Marseille, France)

#### Debate

11:00

Speaker: Djillali Annane (Garches, France)  
Speaker: Yasser Sakr (Jena, Germany)  
Speaker: Josef Briegel (München, Germany)

Simulation Centre  
11:00 - 12:30

Simulation Centre - ECMO Area

### ECMO area

#cardio

#### Hands-on

11:00

Speaker: Emric Besnard (Paris, France)  
Speaker: Hugo Guillou (Paris, France)  
Speaker: Sabine Valera (Marseille, France)  
Speaker: Dinis Reis Miranda (Groningen, Netherlands)  
Speaker: Anne-Sophie Lequeulx (Paris, France)

NEXT Lounge  
11:00 - 12:00

NEXT Lounge

### NEXT Research Workshop

#ESICMNEXT

Chair: Stefan Schaller (Munich, Germany)  
Chair: Burcin Halacli (Ankara, Turkey)

#### Critical literature appraisal workshop

11:00

Speaker: Howard Bauchner (Boston, United States)  
Speaker: Massimo Antonelli (Rome, Italy)  
Speaker: Marlies Ostermann (London, United Kingdom)

Arena  
11:10 - 12:20

Arena

### Nutrition

Chair: Michael Casaer (Leuven, Belgium)  
Chair: Carole Ichai (Nice, France)

## Scientific Programme

**Predictor of developing type 2 diabetes mellitus: glycosylated hemoglobin in patients with coronary disease and without known diabetes**

Abstract Presenter: Ana María González González (Malaga, Spain)

**Feasibility of intervention delivery for a Phase 2 randomised clinical trial to investigate the effect of intermittent versus continuous enteral nutrition on muscle wasting in critical illness**

Abstract Presenter: Angela McNelly (London, United Kingdom)

**Safety and efficacy of volume-based feeding in critically ill, mechanically ventilated adults: a before-and-after study**

Abstract Presenter: Sue Brierley-Hobson (Rhyl, United Kingdom)

**Glucocorticoid receptor expression in critically ill patients**

Abstract Presenter: Alice G. Vassiliou (AOHNA, Greece)

**Optimized caloric-protein nutrition in critically ill patients. Impact on short and long-term outcomes**

Abstract Presenter: José Azevedo (São Luís, Brazil)

**Early vs. late parenteral nutrition in patients with cancer undergoing major gastrointestinal surgery: a randomized and clinical study**

Abstract Presenter: Patricia Camargo (Sao Paulo, Brazil)

**Supplemental parenteral nutrition does not alter substrate metabolism but improves immunity: the SPN2 randomized trial**

Abstract Presenter: Mette Berger (Lausanne, Switzerland)

**Diarrhea: interventions, consequences and epidemiology in the ICU (DICE-ICU) study**

Abstract Presenter: Joanna Dionne (Hamilton, Canada)

**Does parenteral nutrition affect liver function in the critically ill patient: a retrospective study**

Abstract Presenter: Alice Lunt (London, United Kingdom)

**Postoperative hypometabolic state persists in non-survivors after major surgery**

Abstract Presenter: Lisa Füreder (Vienna, Austria)

Simulation Centre  
11:30 - 13:00

Simulation Centre - Basics of Bronchoscopy in ICU Area

## Basics of bronchoscopy in ICU area

#lung

### Hands-on

11:30

Speaker: Gennaro De Pascale (Rome, Italy)

Speaker: Brijesh Patel (London, United Kingdom)

Speaker: Rahul Costa-Pinto (Melbourne, Australia)

## Scientific Programme

Tech Lounge  
12:00 - 13:00

Tech Lounge

### Meet the Industry

```
<table width="321" cellspacing="0" cellpadding="0" border="0"><colgroup><col width="321" /> </colgroup>
<tbody>
<tr height="16">
<td width="321" height="16"><font size="2" face="Calibri">An opportunity for clinicians, researchers and industry
partners to meet and brainstorm together.</font></td>
</tr>
</tbody>
</table>
```

Chair: Theodoros Kyprianou (Nicosia, Cyprus)  
Chair: Marius Terblanche (London, United Kingdom)

NEXT Lounge  
12:00 - 13:00

NEXT Lounge

### NEXT Lunch Session & Quiz

#ESICMNEXT

#### EDIC quiz

12:00

Speaker: Laura Galarza Barrachina (Castellon, Spain)  
Speaker: Manuel Mendoza Ruano (Las Palmas de Gran Canaria, Spain)

Industry Sponsored Session  
12:30 - 14:00

Berlin

### Industry sponsored session

Industry Sponsored Session  
12:30 - 14:00

Barcelona

### Industry sponsored session

Industry Sponsored Session  
12:30 - 14:00

Geneva

### Industry sponsored session

Industry Sponsored Session  
12:30 - 14:00

Rome

### Industry sponsored session

## Scientific Programme

Industry Sponsored Session  
12:30 - 14:00

Stockholm

### Industry sponsored session

Industry Sponsored Session  
12:30 - 14:00

Lisbon

### Industry sponsored session

Industry Sponsored Session  
12:30 - 14:00

Athens

### Industry sponsored session

Industry Sponsored Session  
12:30 - 14:00

Vienna

### Industry sponsored session

Industry Sponsored Session  
12:30 - 14:00

Glasgow

### Industry sponsored session

Industry Sponsored Session  
12:30 - 14:00

Amsterdam

### Industry sponsored session

Simulation Centre  
12:30 - 14:00

Simulation Centre - TEE/TOE Area

### TTE area (for EDEC Advanced Course)

#cardio

#### Hands-on

12:30

Speaker: Bouchra Lamia (Rouen, France)  
Speaker: Philippe Vignon (Limoges, France)  
Speaker: Martin Balik (Prague, Czech Republic)  
Speaker: Michel Slama (Amiens, France)

## Scientific Programme

Industry Sponsored Session  
12:40 - 13:40

Arena

### Industry sponsored session

Simulation Centre  
13:00 - 14:00

Simulation Centre - Mechanical Ventilation Area

### Mechanical ventilation area

#lung

#### Case scenario - Monitoring of patient-ventilator interaction at the bedside

13:00

Speaker: Leo Heunks (Neimegen, Netherlands)  
Speaker: Lise Piquilloud (Lausanne, Switzerland)

Simulation Centre  
13:00 - 14:30

Simulation Centre - ECMO Area

### ECMO area

#cardio

#### Hands-on

13:00

Speaker: Emric Besnard (Paris, France)  
Speaker: Hugo Guillou (Paris, France)  
Speaker: Sabine Valera (Marseille, France)  
Speaker: Dinis Reis Miranda (Groningen, Netherlands)  
Speaker: Anne-Sophie Lequeulx (Paris, France)

Tech Lounge  
13:00 - 14:15

Tech Lounge

### e-Learning technologies: The ESICM vision & paradigm

#tech

Chair: Jacobus Preller (Cambridge, United Kingdom)  
Chair: Theodoros Kyprianou (Nicosia, Cyprus)

#### Physiology of Learning and how it is addressed in ESICM platform

13:00

Speaker: Jacobus Preller (Cambridge, United Kingdom)

#### New technologies in education and training

13:15

Speaker: Nikolas Stylianides (Nicosia, Cyprus)

#### New developments in ESICM Academy

13:30

Speaker: Theodoros Kyprianou (Nicosia, Cyprus)

#### ESICM Academy: A roadmap

13:45

Speaker: Pascale Gruber (London, United Kingdom)

## Scientific Programme

### ApplC

Speaker: Anne-Sophie Debue (Paris, France)

14:00

NEXT Lounge  
13:00 - 14:00

NEXT Lounge

## NEXT & Professional Development

#ESICMNEXT

Chair: Burcin Halacli (Ankara, Turkey)  
Chair: Paul Abraham (Lyon, France)

### A good intensivist: How to assess?

Speaker: Frantisek Duska (Prague, Czech Republic)  
Speaker: Matthew J. Rowland (Oxford, United Kingdom)  
Speaker: Marco Maggiorini (Zurich, Switzerland)

13:00

Simulation Centre  
13:45 - 15:15

Simulation Centre - Basics of Bronchoscopy in ICU Area

## Basics of bronchoscopy in ICU area

#lung

### Hands-on

Speaker: Gennaro De Pascale (Rome, Italy)  
Speaker: Manuel Mendoza Ruano (Las Palmas de Gran Canaria, Spain)  
Speaker: Cristina Santonocito (Palermo, Italy)

13:45

Arena  
14:00 - 15:10

Arena

## Insights into brain diseases

Chair: Pedro Kurtz (Rio de Janeiro, Brazil)  
Chair: Fabio Silvio Taccone (Brussels, Belgium)

### Dysfunction of the blood-brain barrier in postoperative delirium patients, referring to the neuronal axonal damage biomarker (pNF-H)

Abstract Presenter: Kazuhito Mietani (Tokyo, Japan)

### Pharmacokinetics of levetiracetam in neurosurgical ICU patients

Abstract Presenter: Jasmine Ong (Singapore, Singapore)

### The behavior of immobility on the thickness and eointensity muscle of the upper and lower limbs after traumatic brain injury in the intensive care unit

Abstract Presenter: Lorraine Nunes (Brasília, Brazil)

## Scientific Programme

**Outcome comparison of mechanically ventilated Guillain-Barre syndrome versus Myasthenia gravis in US hospitals**

Abstract Presenter: Anantha R Vellipuram (El Paso, United States)

**Evolution of the functional situation after trauma brain injury between two monitoring periods of 1 and 3-4 years**

Abstract Presenter: Maria Guerrero-Marin (Jaen, Spain)

**Does physical therapy care provided within 24 hours improve outcomes compared to physical therapy provided within 18 hours in clinical cardiac intensive care unit? A cohort study**

Abstract Presenter: Rocha Lara (Brasilia, Brazil)

**Apnea test in brain death determination using oxygen diffusion method is safe**

Abstract Presenter: Ali Daneshmand (Rochester, United States)

**Analysis of factors associated with disability and mortality in patients with decompressive craniectomy six months after discharge, along five years in a neurotraumatic ICU**

Abstract Presenter: Catalina Sánchez Ramírez (Las Palmas de Gran Canaria, Spain)

**The frontal bone window for transcranial Doppler ultrasonography in intensive care units: a new approach**

Abstract Presenter: Pierre Sentenac (Montpellier, France)

Poster Corner  
14:00 - 16:00

Poster corner

## Mechanical ventilation, experimental studies

Chair: Antonio Artigas (Barcelona, Spain)  
Chair: Geoffrey Bellingan (London, United Kingdom)

**The HME filter resistance after drug nebulisation, experimental study**

Abstract Presenter: Vaclav Zvonicek (Brno, Czech Republic)

**Standardization of a sampling technic for evaluating airway inflammation in mechanically ventilated patients**

Abstract Presenter: Rodopi Stamatou (Larisa, Greece)

**Respiratory PaO<sub>2</sub> oscillations and their relationship to dynamic atelectasis measured by CT during tidal ventilation in a surfactant depletion model of ARDS**

Abstract Presenter: Douglas Crockett (Oxford, United Kingdom)

**Development of an ex vivo invasive mechanical ventilation model for preclinical aerosol studies**

Abstract Presenter: Quentin Georges (Saint Priest en Jarez, France)

**Not only pendelluft: multifold local inspiratory air-redistribution events continuously occur in collapsible lungs. An experimental study**

Abstract Presenter: G. Perchiazzi (Uppsala, Sweden)

**Re-thinking mechanical ventilation: technological simplicity meets physiological complexity**

Abstract Presenter: Jamie Mccanny (London, United Kingdom)



## Scientific Programme

**Lateral decubitus worsens lung ultrasound score of dependent lungs in an experimental model of right-sided pneumonia**

Abstract Presenter: Andrea Meli (Milan, Italy)

**Positive end-expiratory pressure ventilation induces longitudinal atrophy in diaphragm fibers**

Abstract Presenter: Marloes van den Berg (Amsterdam, Netherlands)

**Effect of invasive mechanical ventilation (IMV) on sleep architecture in intensive care unit (ICU) using 24 hour polysomnography**

Abstract Presenter: Brijesh Prajapat (Rohtak, India)

**Impact of different positive end-expiratory pressure levels on lung mechanics, gas exchange and circulation in the setting of moderate intraabdominal hypertension: a pig model**

Abstract Presenter: Mascha Fiedler (Heidelberg, Germany)

**Asynchronies using a simulator of artificial ventilation (SimVA) in virtual COPD patients, effects of reducing pressure support or increasing expiratory trigger**

Abstract Presenter: Hadrien Roze (Pessac, France)

**Cellular profiles in bronchial airways of mechanically ventilated patients: a comparison of two types of macroscopically visible bronchial aspirates**

Abstract Presenter: Vasiliki Tsolaki (Larisa, Greece)

**Performance of continuous positive airway pressure (CPAP) systems based on air-entrainment mask. Bench test**

Abstract Presenter: Purificación Carmona Sánchez (Córdoba, Spain)

Poster Corner  
14:00 - 16:00

Poster corner

## Acute respiratory failure & mechanical ventilation clinical studies

Chair: Giuseppe Foti (Monza, Italy)  
Chair: Ewan Goligher (Toronto, Canada)

**The incidence of ICU-acquired swallowing disorders after prolonged intubation in the elderly: an endoscopic evaluation**

Abstract Presenter: Misuzu Nakanishi (Kurashiki, Japan)

**Lung aeration score and the role of lung ultrasound in patients with acute respiratory distress syndrome on veno-venous extracorporeal membrane oxygenation: a prospective observational study**

Abstract Presenter: Stefanie Curry (Papworth Everard, Cambridge, United Kingdom)

**Conventional vs Transpulmonary pressure drive ventilation during uro-gynecological pelvic robotic surgery: preliminary data**

Abstract Presenter: Gianmaria Cammarota (Novara, Italy)

**Incidence and risk factors for the occurrence of Expiratory Flow Limitation (EFL) in ICU patients**

Abstract Presenter: Savino Spadaro (Ferrara, Italy)

## Scientific Programme

**The effect of serum phosphate level and correction of hypophosphataemia on the duration of mechanical ventilation**

Abstract Presenter: Ping Wu (Hong Kong, China)

**Addressing diaphragm dysfunction in cardiac surgery patients: successful therapeutic use with current technology and future prophylactic use of temporary diaphragm pacing utilizing intramuscular electrodes**

Abstract Presenter: Raymond Onders (Cleveland, United States)

**Functional residual capacity, respiratory system compliance, and lung stress and strain recordings in a PEEP INview trial in mechanically ventilated children - a pilot study**

Abstract Presenter: Elisavet Geromarkaki (Heraklion, Greece)

**Identifying patients at risk of pulmonary complications post cardiac surgery using static compliance and clinical risk factors**

Abstract Presenter: Hannah Burns (London, United Kingdom)

**Esophageal pressure guided PEEP optimization significantly improves oxygenation and intra-pulmonary shunt without increasing driving pressure in obese and pregnant patients**

Abstract Presenter: Elizabeth Rohrs (Burnaby, Canada)

**Predict evolution of lung transplantation according to the respiratory mechanics of the early postoperative. Elastance based on transpulmonary pressure versus pulmonary artery occlusion pressure**

Abstract Presenter: Purificación Carmona Sánchez (Córdoba, Spain)

**The impact of using Echinacea as a complementary modality with use of ventilator care bundle to prevent ventilator-associated pneumonia**

Abstract Presenter: Amr Wahdan (Cairo, Egypt)

**Additional inspiratory load of breathing imposed by endotracheal tubes. Dynamic study in patient during pressure support ventilation**

Abstract Presenter: Purificación Carmona Sánchez (Córdoba, Spain)

**Effects of inspiratory airflow on transpulmonary pressure and lung heterogeneity: preliminary results in mild and moderate ARDS patients**

Abstract Presenter: Donatella Tortolani (Ferrara, Italy)

**Use of regional pressure-volume curves from electrical impedance tomography to set mechanical ventilation in acute hypoxic respiratory failure and acute respiratory distress syndrome: a feasibility study**

Abstract Presenter: Gaetano Scaramuzzo (Ferrara, Italy)

**Establishing reliability in providing lung protective ventilation to all mandatory ventilated patients in a general ICU**

Abstract Presenter: Claire McCue (Glasgow, United Kingdom)

Poster Corner  
14:00 - 16:00

Poster corner

## Patients' characteristics influence ICU results, or do they?

Chair: Dirk Donker (Utrecht, Netherlands)

Chair: Michael Broomé (Stockholm, Sweden)

## Scientific Programme

**Quality of life after ICU discharge: a prospective observational study from a tertiary care centre in North India**

Abstract Presenter: Afzal Azim (Lucknow, India)

**Epidemiology and early prediction of long stays in ICU**

Abstract Presenter: Bertrand Hermann (Paris, France)

**What is associated with quality of life after the ICU - a prospective cohort study**

Abstract Presenter: Ana Rita Costa (Porto, Portugal)

**Elderly donor and gender impact on cumulative survival rates of liver graft recipient in 20 years of experience in Santiago de Compostela, Spain**

Abstract Presenter: Rita Fernández Garda (Santiago de Compostela, Spain)

**Changing practices - impact in outcome concerning intra-abdominal infections after ICU reorganization**

Abstract Presenter: Gloria Campello (Portimão, Portugal)

**Mortality of patients discharged in-hours and out-of-hours from a British ICU: are functional ICU practices to blame?**

Abstract Presenter: Julian Cumberworth (Brighton, United Kingdom)

**Risk factors for one-year mortality at ICU discharge in patients with free flap reconstruction due to cancer of the head and neck**

Abstract Presenter: Sanna Lahtinen (Oulu, Finland)

**A single centre retrospective study: can lactate be used to predict increased length of stay in post-operative surgical patients admitted to the intensive care unit (ICU)?**

Abstract Presenter: Elina Ahmad (Redhill, United Kingdom)

**Patients with chronic critical illness admitted to the intensive care unit: influence of age under versus over 60 years**

Abstract Presenter: Renata Fumis (São Paulo, Brazil)

**Intensive care follow-up study: cognitive, mood and quality of life outcomes following an acute critical illness**

Abstract Presenter: John Gordon Boyd (Kingston, Canada)

**Predictive value of physical functioning preceding ICU admission to 1 year survival**

Abstract Presenter: Jose Hofhuis (Apeldoorn, Netherlands)

**The patient experience of recovery from critical illness: a systematic review and meta-synthesis of qualitative studies across the continuum of recovery**

Abstract Presenter: Bronwen Connolly (London, United Kingdom)

**Detect Discomfort 1: perceived discomfort in patients admitted to intensive care: a prospective observational study**

Abstract Presenter: Theresa Jacques (Sydney, Australia)

**Risk factors associated with vasopressor use in patients admitted to the intensive care unit after major orthopedic surgery**

Abstract Presenter: Bruno Martins Tomazini (São Paulo, Brazil)

## Scientific Programme

Poster Corner  
14:00 - 16:00

Poster corner

### Calories & vitamins delivery

Chair: Mette Berger (Lausanne, Switzerland)  
Chair: Jan Wernerman (Stockholm, Sweden)

**Influence of nutrition support therapy on readmission among patients with acute heart failure in the intensive care unit: a single-center observational study**

Abstract Presenter: Isao Miyajima (Nankoku, Japan)

**Impact of calorie intake in the first week and severity measured by SOFA score in the hospital mortality of critically ill patients**

Abstract Presenter: Guilherme Duprat Ceniccola (Brasilia, Brazil)

**Vitamin d levels of patients in intensive care unit and its association with nutritional risk screening 2002 score**

Abstract Presenter: Avsar Zerman (Adana, Turkey)

**The refeeding syndrome in critical care patients: a challenge**

Abstract Presenter: Yaiza Rovira Valles (Badalona, Spain)

**The effect of dexmedetomidine versus midazolam sedation on resting energy expenditure in critically-ill ventilated patients: a randomized controlled study**

Abstract Presenter: Ayman Abougabal (Cairo, Egypt)

**Differences in critically ill patients with severe acute pancreatitis between a district general hospital and a tertiary referral hospital in Scotland, UK**

Abstract Presenter: Claire McCue (Glasgow, United Kingdom)

**Metabolic monitoring of patients in chronic critical illness after brain damage: a pilot study**

Abstract Presenter: Kirill Krylov (Moscow, Russian Federation)

**Effect of glutamine supplementation in polytrauma patients**

Abstract Presenter: Flavia Marchese (Foggia, Italy)

**A comparative study of advantages of using separate bottle T.P.N. formulae and the 3-in-1 admixture of T.P.N. in critically ill pediatric patients**

Abstract Presenter: Amr Wahdan (Cairo, Egypt)

**Association of energy adequacy with 28-day mortality in mechanically ventilated critically ill patients**

Abstract Presenter: Beliz Bilgili (Istanbul, Turkey)

**Thiamine status in adults receiving chronic diuretic therapy prior to admission to a medical intensive care unit: a pilot study**

Abstract Presenter: Kursat Gundogan (Kayseri, Turkey)

**Comparison of the 'Malnutrition Universal Screening Tool' (MUST) and 'Nutritional Risk Screening 2002' (NRS-2002) for prognosis in the intensive care unit**

Abstract Presenter: Hülya Sungurtekin (Denizli, Turkey)

**Risk factors for severe vitamin D deficiency in critically ill patient at ICU admission**

Abstract Presenter: Amina Khaldi (Anderlecht, Belgium)

**Clinical relevance of calcium measurements in ICU patients: a practice survey**

Abstract Presenter: Frederic Jacobs (Clamart, France)

## Scientific Programme

### **Descriptive study of patients with hepatic failure treated with molecular adsorbent recirculating system (MARS) during the period 2007-2014**

Abstract Presenter: Alejandro Cortes Herrera (Barcelona, Spain)

Poster Corner  
14:00 - 16:00

Poster corner

## **Delirium in the ICU**

Chair: Wes Ely (Nashville, United States)  
Chair: Davide Chiumello (Milan, Italy)

### **Nighttime slow wave activity in recovery from ICU delirium: a pilot study**

Abstract Presenter: Jukka Kortelainen (Oulu, Finland)

### **Impact of a multifaceted nursing engagement intervention on pain, agitation, and delirium assessment in a community intensive care unit**

Abstract Presenter: Carolyn Michelle Tan (St. Catharines, Canada)

### **Incidence and risk factors of postoperative delirium in adult patients after elective craniotomy: a prospective cohort study**

Abstract Presenter: Jian-Xin Zhou (Beijing, China)

### **Impact of dexmedetomidine on the time to extubation when used for the treatment of hyperactive delirium**

Abstract Presenter: César Santis (Santiago, Chile)

### **Effects of nocturnal dexmedetomidine on sleep quality in critically ill patients equipped with high flow nasal cannula**

Abstract Presenter: Yoshitoyo Ueno (Tokushima, Japan)

### **Challenges and barriers to optimising sedation in intensive care: a qualitative study nested within a cluster randomised quality improvement trial in eight Scottish intensive care units**

Abstract Presenter: Kalliopi Kydonaki (Edinburgh, United Kingdom)

### **Serum noradrenaline levels can predict the occurrence of delirium in the ICU in catecholamine-free patients**

Abstract Presenter: Mitsuaki Nishikimi (Nagoya, Japan)

### **Observational analysis of the incidence and factors related to delirium in the critical patient**

Abstract Presenter: Jordi Codina Calero (Lleida, Spain)

### **Analysis of results and costs after the implementation of a sedation protocol in intensive care patients on mechanical ventilation**

Abstract Presenter: Nadia Pires (Rosario, Argentina)

### **Benzodiazepine use during ICU stay is associated with benzodiazepine dependence after discharge**

Abstract Presenter: Masaaki Sakuraya (Hatsukaichi, Japan)

### **The impact of difficult sedation on the evolution of patients hospitalized in intensive care unit**

Abstract Presenter: Diana Gil Castillejos (Tarragona, Spain)

## Scientific Programme

**The prevalence, risk factors and outcomes of ICU delirium among Chinese patients in an intensive care unit in Hong Kong**

Abstract Presenter: Candice Yin Yin Lee (Hong Kong, Hong Kong, China)

**Analysis of analgesia, sedation and delirium practices in critically ill patients through a simulation course survey**

Abstract Presenter: Nuria Martinez Sanz (Madrid, Spain)

**Incidence, risk factors and outcomes of delirium in a Tunisian intensive care unit (ICU)**

Abstract Presenter: Mohamed Boussarsar (Sousse, Tunisia)

**Relationship between near-infrared spectroscopy (NIRS) derived cerebral oxygenation and delirium in critically ill patients: a systematic review**

Abstract Presenter: John Gordon Boyd (Kingston, Canada)

**Assessment and documentation of delirium in a single district general hospital intensive care unit (ICU) using the Confusion Assessment Method in ICU (CAM-ICU)**

Abstract Presenter: Carys Fleming (Redhill, United Kingdom)

Poster Corner  
14:00 - 16:00

Poster corner

## Immune system & sepsis

Chair: Peter Pickkers (Nijmegen, Netherlands)  
Chair: Xavier Monnet (Paris, France)

**Assessment of postoperative lymphopenia as risk factor for postoperative infections: EVALYMPH study**

Abstract Presenter: Guillaume Dupont (Saint Etienne, France)

**Effect of experimental sepsis and fluid resuscitation on the expression of micro RNAs involved in the inflammatory response**

Abstract Presenter: Lorena Oteiza (Madrid, Spain)

**Analysis of lipoproteins in septic shock**

Abstract Presenter: Francesco Fiorini (London, United Kingdom)

**Secondary hemophagocytic lymphohistiocytosis in sepsis: two sides of the same coin?**

Abstract Presenter: Frantzeska Frantzeskaki (Athens, Greece)

**Delta Neutrophil Index (DNI) at 72 hours can be a good prognostic marker of mortality in pneumonia sepsis**

Abstract Presenter: So Young Park (Daejeon, Korea, Republic of)

**Lack of association between neutrophil-to-lymphocyte ratio and ICU stay in patients with sepsis: a retrospective cohort study**

Abstract Presenter: Yoshihito Fujita (Nagakute, Japan)

**Association between soluble Toll-like receptor 2 levels and sepsis on admission to the ICU: results of a case-control study**

Abstract Presenter: Yin Lim (Cardiff, United Kingdom)

**Circulating monocyte counts and its impact on outcomes in patients with severe sepsis or septic shock**

Abstract Presenter: HyungLan Chang (Seongnam-si, Korea, Republic of)

## Scientific Programme

**Research of leukocyte, TNF-alpha, IL-10, IL-4 and procalcitonin levels in mortality and morbidity in patients with sepsis, severe sepsis and septic shock**

Abstract Presenter: Elif Kizilmese (Kocaeli, Turkey)

**Role of neutrophil-to-lymphocyte ratio in the prognosis of severe community-acquired pneumonia**

Abstract Presenter: Atzin Ruiz-Hernández (Mexico City, Mexico)

**Survivin variants mRNA expression and protein activity in sepsis**

Abstract Presenter: Marianna Miliaraki (Heraklion, Greece)

**Defining the role of monocytes in sepsis**

Abstract Presenter: Kate Colette Tatham (London, United Kingdom)

**Resistin exerts differential immunomodulatory effects on neutrophils and macrophages in sepsis**

Abstract Presenter: Anthony Bonavia (Hershey, United States)

**Inflammation promotes coagulation by activation of the extrinsic pathway through endothelial cells in-vitro**

Abstract Presenter: Anna Katharina Brandtner (Innsbruck, Austria)

**Molecular expression in ventilator-associated pneumonia (VAP)**

Abstract Presenter: Ramon Cicuendez Avila (Valladolid, Spain)

**Immature granulocytes as a sepsis predictor in patients undergoing cardiac surgery**

Abstract Presenter: Michal Porizka (Prague, Czech Republic)

Poster Corner  
14:00 - 16:00

Poster corner

## Clinical microbiology in sepsis

Chair: José Artur Paiva (Porto, Portugal)  
Chair: José Garnacho-Montero (Seville, Spain)

**Dynamics of hospital-acquired bacteremia strains of Gramnegative rods at intensive care units in 7yrs period**

Abstract Presenter: Dovile Valanciene (Kaunas, Lithuania)

**Bacterial translocation and gut barrier failure in critically ill patients with spontaneous intracerebral bleeding**

Abstract Presenter: Jörn Schäper (Göttingen, Germany)

**Persistent isolation of Staphylococcus aureus in mechanically-ventilated patients: impact of host-pathogen factors on outcome**

Abstract Presenter: Sandra Triginer Roig (Badalona, Spain)

**Critically ill burn patient and invasive candidiasis: do not keep calm!**

Abstract Presenter: A. Agrifoglio (Madrid, Spain)

**Invasive pneumococcal disease in the ICU: a retrospective study**

Abstract Presenter: Elsa Fragoso (Lisboa, Portugal)

## Scientific Programme

**Clinical, microbiological and metabolomics changes in oral samples of septic patients admitted to the intensive care unit: a preliminary analysis**

Abstract Presenter: Luciano Cesar Pontes de Azevedo (Sao Paulo, Brazil)

**Does maintenance of the Zero Resistance project in ICU improve rates?**

Abstract Presenter: Manuel Muñoz Garach (Granada, Spain)

**Value of epidemiological swab in patients with microbiologically confirmed sepsis**

Abstract Presenter: Raimundas Stasiūnaitis (Vilnius, Lithuania)

**Urinary tract infection with nephrostomy**

Abstract Presenter: Juan M. Mora Ordóñez (Málaga, Spain)

**The pleiotropic presentations of Legionella pneumophila infection in critically ill patients**

Abstract Presenter: Hafid Khelifa (Braine l'Alleud, Belgium)

**Association between digestive relative abundance (RA) in multi drug resistant gram-negative bacteria (MDR GNB) in intensive care unit (ICU) patients and occurrence of invasive MDR GNB infections**

Abstract Presenter: Candice Fontaine (Paris, France)

**Determination of risk factors to develop infection with enterococo faecalis and faecium vancomycin-resistant in critically ill patients and outcome associated to appropriate empirical antibiotic**

Abstract Presenter: Daniel Molano (Bogota, Colombia)

**Serial CRP levels do not correlate with antibiotic sensitivity in culture-positive ventilator-associated pneumonia and tracheobronchitis**

Abstract Presenter: Joel Lage (Faro, Portugal)

**Gastrointestinal motility disorders in patients with acute brain injury - a risk factor for sepsis?**

Abstract Presenter: Jörn Schäper (Göttingen, Germany)

**Quantitative and qualitative modifications of high-density lipoproteins (HDLs) induced by bacteria and lipopolysaccharide in human sepsis**

Abstract Presenter: Sébastien Tanaka (Paris, France)

**A rapid diagnostic to exclude bacteraemia may reduce antimicrobial prescribing in the critically ill**

Abstract Presenter: Georgia Bercades (London, United Kingdom)

Poster Corner  
14:00 - 16:00

Poster corner

## Different critical care situations

Chair: Sharon Einav (Jerusalem, Israel)  
Chair: Matthieu Legrand (Paris, France)

**Changes of three-dimensional shapes and functional behaviors of red blood cells after cardiac arrest**

Abstract Presenter: Lee Hui Jai (Dongjak-gu, Korea, Republic of)

**CPR guidance by an emergency physician via video call**

Abstract Presenter: Seung Min Park (Anyang si, Korea, Republic of)



## Scientific Programme

**Comparison of advanced airway management and bag mask ventilation during simulated cardiac arrest**

Abstract Presenter: Timur Sellmann (Wuppertal, Germany)

**How comfortable are residents with CPR?**

Abstract Presenter: G. Perchiazzi (Uppsala, Sweden)

**Study of the diffusion and concentration of micafungin in peritoneal fluid for the treatment of severe *Candida* peritonitis. Perseus study**

Abstract Presenter: Demetrio Víctor Pérez Civantos (Badajoz, Spain)

**A population pharmacokinetic analysis of cefotaxime in critically ill patients**

Abstract Presenter: Tingjie Guo (Amsterdam, Netherlands)

**Vancomycin therapy - indications and the influence of renal dysfunction on serum levels**

Abstract Presenter: Jan Hrudá (Brno, Czech Republic)

**Does the income level of the residential area impact the incidence of ICU admission and demographics of acute poisonings?**

Abstract Presenter: Lauri Koskela (Oulu, Finland)

**Imidacloprid poisoning: an Indian experience**

Abstract Presenter: Jain Nikhilesh (Indore, India)

**Anaphylaxis: study of epidemiological and therapeutic characteristics**

Abstract Presenter: Ben Jazia Amira (Tunis, Tunisia)

**Cyproheptadin intoxication: analytical study**

Abstract Presenter: Amira Ben Jazia (Tunis, Tunisia)

**The impact of an initial antibiotic therapy on the emergence of 3GC-resistant bacteria in severe trauma patients: a retrospective study in 507 patients**

Abstract Presenter: Guillaume Faivre (Montpellier, France)

**Antibiotic prophylaxis is associated with a reduced occurrence of early ventilator-associated pneumonia in traumatic brain injury: a retrospective cohort study**

Abstract Presenter: Frederico B Carvalho (Belo Horizonte, Brazil)

**Early hypoalbuminemia is associated with 28-day mortality in critically ill burn patients**

Abstract Presenter: Simon Pallado (Paris, France)

**Enzymatic debridement: a new therapeutic approach in critically burned patients**

Abstract Presenter: Claudio Gutierrez (Madrid, Spain)

NEXT Lounge  
14:00 - 15:00

NEXT Lounge

### NEXT My case reviewed by an expert

#ESICMNEXT

Chair: Rahul Costa-Pinto (Melbourne, Australia)

**Case 2 (ARDS-case)**

**14:00**

Speaker: Michael Quintel (Göttingen, Germany)

Speaker: Roland Francis (Berlin, Germany)

## Scientific Programme

Continuous Professional Education Session  
14:15 - 15:45

Paris

### Challenges in TBI management

#neuro

Chair: Lara Prisco (Oxford, United Kingdom)  
Chair: Pierre Bouzat (Grenoble, France)

<b>Optimal osmotic therapy: where is the evidence ?</b>	<b>14:15</b>
Speaker: Nino Stocchetti (Milan, Italy)	
<b>Discussion</b>	<b>14:30</b>
<b>My optimal neuromonitoring strategy</b>	<b>14:33</b>
Speaker: Victoria McCredie (Toronto, Canada)	
<b>Discussion</b>	<b>14:48</b>
<b>A wiser approach to second-tier therapies</b>	<b>14:51</b>
Speaker: David Menon (Cambridge, United Kingdom)	
<b>Discussion</b>	<b>15:06</b>
<b>Paroxysmal autonomic dysfunction</b>	<b>15:09</b>
Speaker: Geert Meyfroidt (Leuven, Belgium)	
<b>Discussion</b>	<b>15:24</b>
<b>Post-traumatic coagulopathy</b>	<b>15:27</b>
Speaker: Raimund Helbok (Innsbruck, Austria)	
<b>Discussion</b>	<b>15:42</b>

Thematic Session  
14:15 - 15:45

Berlin

### Initial treatment of trauma patients

#trauma

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

<b>Initial critical care for the severely injured</b>	<b>14:15</b>
Speaker: Sophie Hamada (Paris, France)	
<b>Discussion</b>	<b>14:30</b>
<b>Management of pelvic fractures</b>	<b>14:33</b>
Speaker: Luke Leenen (Utrecht, Netherlands)	
<b>Discussion</b>	<b>14:48</b>
<b>Severe liver injuries</b>	<b>14:51</b>
Speaker: Christina Gaarder (Oslo, Norway)	
<b>Discussion</b>	<b>15:06</b>

## Scientific Programme

<b>Emergency thoracotomy: When, why and by who?</b>	<b>15:09</b>
Speaker: Luke Leenen (Utrecht, Netherlands)	
<b>Discussion</b>	<b>15:24</b>
<b>Severe splenic injuries: Observe, embolise or operate?</b>	<b>15:27</b>
Speaker: Christina Gaarder (Oslo, Norway)	
<b>Discussion</b>	<b>15:42</b>

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

Barcelona

### Less is more in sepsis: Is it so simple?

#sepsis

Chair: Josef Briegel (München, Germany)  
Chair: Charlotte Summers (Cambridge, United Kingdom)

<b>No more ScvO2?</b>	<b>14:15</b>
Speaker: Kathy Rowan (London, United Kingdom)	
<b>Discussion</b>	<b>14:30</b>
<b>Less vasopressors?</b>	<b>14:33</b>
Speaker: Anthony Gordon (London, United Kingdom)	
<b>Discussion</b>	<b>14:48</b>
<b>Less antibiotics?</b>	<b>14:51</b>
Speaker: Jeroen Schouten (Radboud, Netherlands)	
<b>Discussion</b>	<b>15:06</b>
<b>Less fluids?</b>	<b>15:09</b>
Speaker: Anders Perner (Copenhagen, Denmark)	
<b>Discussion</b>	<b>15:24</b>
<b>Less inotropics?</b>	<b>15:27</b>
Speaker: Sebastian Stehr (Leipzig, Germany)	
<b>Discussion</b>	<b>15:42</b>

Thematic Session  
14:15 - 15:45

Geneva

### From tradition to innovation in haemodynamics

#cardio

Chair: Bernd Saugel (Hamburg, Germany)  
Chair: Thomas Scheeren (Groningen, Netherlands)

## Scientific Programme

<b>Indicator dilution methods</b>	<b>14:15</b>
Speaker: Olfa Hamzaoui (Clamart, France)	
<b>Discussion</b>	<b>14:30</b>
<b>Arterial waveform analysis: Invasive or non invasive?</b>	<b>14:33</b>
Speaker: Bernd Saugel (Hamburg, Germany)	
<b>Discussion</b>	<b>14:48</b>
<b>Fluid responsiveness monitoring: Invasive or non invasive?</b>	<b>14:51</b>
Speaker: Thomas Scheeren (Groningen, Netherlands)	
<b>Discussion</b>	<b>15:06</b>
<b>Echocardiography: Current status and future directions</b>	<b>15:09</b>
Speaker: Bernard Cholley (Paris, France)	
<b>Discussion</b>	<b>15:24</b>
<b>Lung water assessment: From gravimetry to wearables</b>	<b>15:27</b>
Speaker: Frederic Michard (Lausanne, Switzerland)	
<b>Discussion</b>	<b>15:42</b>
Thematic Session 14:15 - 15:45	Rome
<b>Non-invasive ventilation</b>	
#lung	
Chair: Alexandre Demoule (Paris, France)	
Chair: Luigi Camporota (London, United Kingdom)	
<b>Different interfaces, different results?</b>	<b>14:15</b>
Speaker: Antonio Pesenti (Milan, Italy)	
<b>Discussion</b>	<b>14:30</b>
<b>In perioperative care</b>	<b>14:33</b>
Speaker: Paolo Pelosi (Genova, Italy)	
<b>Discussion</b>	<b>14:48</b>
<b>In ARDS/AHRF</b>	<b>14:51</b>
Speaker: John Laffey (Toronto, Canada)	
<b>Discussion</b>	<b>15:06</b>
<b>For earlier extubation?</b>	<b>15:09</b>
Speaker: Louise Rose (Toronto, Canada)	
<b>Discussion</b>	<b>15:24</b>
<b>What to monitor during NIV</b>	<b>15:27</b>
Speaker: Claude Guérin (Lyon, France)	

## Scientific Programme

**Discussion** **15:42**

Continuous Professional Education Session  
14:15 - 15:45

Stockholm

### The maze of vasoactive drugs in sepsis

#sepsis

Chair: Ricard Ferrer Roca (Barcelona, Spain)  
Chair: Jean-Louis Teboul (Kremlin-Bicetre, France)

**Vasopressors: When to start, when to stop** **14:15**

Speaker: Yasser Sakr (Jena, Germany)

**Discussion** **14:30**

**Alternatives to catecholamines** **14:33**

Speaker: Flavia R. Machado (São Paulo, Brazil)

**Discussion** **14:48**

**Nitric oxide?** **14:51**

Speaker: Can Ince (Amsterdam, Netherlands)

**Discussion** **15:06**

**Vasopressin analogs** **15:09**

Speaker: Anthony Gordon (London, United Kingdom)

**Discussion** **15:24**

**Beta-blockade: Yes or no?** **15:27**

Speaker: Bruno Levy (Vandoeuvre les Nancy, France)

**Discussion** **15:42**

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

Lisbon

### Perioperative delirium

#periop

Chair: Alain Vuylsteke (London, United Kingdom)  
Chair: Tarek Sharshar (Paris, France)

**Delirium or encephalopathy?** **14:15**

Speaker: Arjen Slooter (Utrecht, Netherlands)

**Discussion** **14:30**

**Septic encephalopathy** **14:33**

Speaker: Tarek Sharshar (Paris, France)

**Discussion** **14:48**

## Scientific Programme

<b>Perioperative neurocognitive disorders: What's in a name?</b>	<b>14:51</b>
Speaker: Mathieu van der Jagt (Rotterdam, Netherlands)	
<b>Discussion</b>	<b>15:06</b>
<b>Post-intensive care syndrome: A new entity?</b>	<b>15:09</b>
Speaker: Claudia Spies (Berlin, Germany)	
<b>Discussion</b>	<b>15:24</b>
<b>State of the art delirium prediction</b>	<b>15:27</b>
Speaker: Mark van den Boogaard (Nijmegen, Netherlands)	
<b>Discussion</b>	<b>15:42</b>
Thematic Session 14:15 - 15:45	Athens
<b>The gut under stress</b>	
#metabolic	
Chair: Annika Reintam Blaser (Tartu, Estonia)	
Chair: Manu Malbrain (Antwerp, Belgium)	
<b>How does the gut respond to stress?</b>	<b>14:15</b>
Speaker: Michael Casaer (Leuven, Belgium)	
<b>Discussion</b>	<b>14:30</b>
<b>Stress ulceration</b>	<b>14:33</b>
Speaker: Joel Starkopf (Tartu, Estonia)	
<b>Discussion</b>	<b>14:48</b>
<b>Acute mesenteric ischaemia</b>	<b>14:51</b>
Speaker: Marc Leone (Marseille, France)	
<b>Discussion</b>	<b>15:06</b>
<b>Ogilvie's syndrome</b>	<b>15:09</b>
Speaker: Annika Reintam Blaser (Tartu, Estonia)	
<b>Discussion</b>	<b>15:24</b>
<b>Abdominal compartment syndrome</b>	<b>15:27</b>
Speaker: Manu Malbrain (Antwerp, Belgium)	
<b>Discussion</b>	<b>15:42</b>

## Scientific Programme

Thematic Session  
14:15 - 15:45

Vienna

### Rationalising antimicrobial therapy

#micro

Chair: Paula Ramirez (Valencia, Spain)  
Chair: Jeffrey Lipman (Brisbane, Australia)

<b>Antibiotics for colonisation: Why and how to avoid it</b>	<b>14:15</b>
Speaker: Liesbet De Bus (Gent, Belgium)	
<b>Discussion</b>	<b>14:30</b>
<b>Biomarkers to decrease antibiotic use</b>	<b>14:33</b>
Speaker: Pedro Pova (Lisbon, Portugal)	
<b>Discussion</b>	<b>14:48</b>
<b>Watchful waiting in suspected infection</b>	<b>14:51</b>
Speaker: Jan De Waele (Ghent, Belgium)	
<b>Discussion</b>	<b>15:06</b>
<b>Who really needs antifungal prophylaxis?</b>	<b>15:09</b>
Speaker: George Dimopoulos (Athens, Greece)	
<b>Discussion</b>	<b>15:24</b>
<b>Combination therapy: When and how?</b>	<b>15:27</b>
Speaker: Fredrik Sjövall (Malmö, Sweden)	
<b>Discussion</b>	<b>15:42</b>

Thematic Session  
14:15 - 15:45

Glasgow

### Advancing the science of decision-making in the ICU

#ethic

Chair: Rik Gerritsen (Leeuwarden, Netherlands)  
Chair: Bara Ricou Arita (Geneva, Switzerland)

<b>Tough talk; critical decisions and conversations</b>	<b>14:15</b>
Speaker: Andrej Michalsen (Tettnang, Germany)	
<b>Discussion</b>	<b>14:30</b>
<b>Communication among the team</b>	<b>14:33</b>
Speaker: J. Randall Curtis (Seattle, United States)	
<b>Discussion</b>	<b>14:48</b>
<b>The role of palliative care, psychologists, etc.</b>	<b>14:51</b>
Speaker: Hanne Irene Jensen (Vejle, Denmark)	
<b>Discussion</b>	<b>15:06</b>

## Scientific Programme

<b>Beyond the ICU, quality of life</b>	<b>15:09</b>
Speaker: Christiane Hartog (Jena, Germany)	
<b>Discussion</b>	<b>15:24</b>
<b>A decision-making aid</b>	<b>15:27</b>
Speaker: Victoria Metaxa (London, United Kingdom)	
<b>Discussion</b>	<b>15:42</b>

Interactive Debates  
14:15 - 15:15

Interactive Debates

### Starting RRT for AKI: Early, late, not, biomarkers or scores for decision?

#renal

Practical: use of lab/urine, biomarkers, ultrasound

Chair: Lui Forni (Surrey, United Kingdom)

<b>Debate</b>	<b>14:15</b>
Speaker: Miet Schetz (Leuven, Belgium)	
Speaker: Michael Darmon (Saint-Etienne, France)	
Speaker: Michael Joannidis (Innsbruck, Austria)	

Simulation Centre  
14:15 - 15:15

Simulation Centre - TEE/TOE Area

### TEE/TOE area

#cardio

<b>Hands-on</b>	<b>14:15</b>
Speaker: Xavier Repesse (Paris, France)	
Speaker: Martin Balik (Prague, Czech Republic)	

Tech Lounge  
14:15 - 15:15

Tech Lounge

### Don't mess up the data: Good practice in data management

#tech

Chair: Matthieu Komorowski (London, United Kingdom)  
Chair: Ari Ercole (Cambridge, United Kingdom)

<b>Designing quality into big observational studies</b>	<b>14:15</b>
Speaker: Ari Ercole (Cambridge, United Kingdom)	
<b>Data curation - Doing it right</b>	<b>14:30</b>
Speaker: Theodoros Kyprianou (Nicosia, Cyprus)	



## Scientific Programme

### Important lessons for structuring ICU data for best use

14:45

Speaker: Cecilia Akerlund (Stockholm, Sweden)

### Discussion

15:00

NEXT Lounge  
15:00 - 16:00

NEXT Lounge

## NEXT Young Lecturer Award

#ESICMNEXT

Chair: Laura Galarza Barrachina (Castellon, Spain)  
Chair: Matthew J. Rowland (Oxford, United Kingdom)  
Chair: Kelly Underman (Philadelphia, United States)  
Chair: Julian Bion (Birmingham, United Kingdom)  
Chair: Victoria Bennett (London, United Kingdom)

Tech Lounge  
15:15 - 15:30

Tech Lounge

## Break-Networking-Brainstorming

Arena  
15:20 - 16:30

Arena

## Making a difference

Chair: Silvia Calvino Günther (Grenoble, France)  
Chair: Gisela Lilja (Lund, Sweden)

### Social media at international intensive care medicine conference - are the voices of nurses and AHPs being heard? A three-year analysis across continents

Abstract Presenter: Owen Gustafson (Oxford, United Kingdom)

### An evaluation of the role of occupational therapy within a United Kingdom multi speciality critical care unit

Abstract Presenter: Elizabeth Felton (Birmingham, United Kingdom)

### The impact of a 7 day working model on physiotherapy intervention and outcomes in the abdominal surgical patient group compared to a traditional 5 day service

Abstract Presenter: Philippa Piper (Oxford, United Kingdom)

### An Investigation into the use of ultrasound as a surrogate measure of respiratory muscle function

Abstract Presenter: Susan Hanekom (Stellenbosch, South Africa)

### Spouse as continuity: a qualitative study of the experiences of patient and spouse following discharge from intensive care to home

Abstract Presenter: Janne Bruun Frandsen (Odense C, Denmark)

## Scientific Programme

### **Negotiated mobilization: an ethnographic exploration of the nurse-patient interaction in the intensive care unit**

Abstract Presenter: Eva Laerkner (Odense C, Denmark)

### **Comparative evaluation of the efficiency of using hygienic washcloths for skin care in severely ill patients**

Abstract Presenter: Tatyana Beznosyuk (Moscow, Russian Federation)

### **Effect of institutional case volume on mortality after pediatric liver transplantation: analysis of cases of the last decade in Korea**

Abstract Presenter: Hannah Lee (Seoul, Korea, Republic of)

### **Subtherapeutic antimicrobial plasma concentrations with standard amoxicillin-clavulanate dosing regimens in paediatric cardiac surgery patients**

Abstract Presenter: Evelyn Dhont (Ghent, Belgium)

### **Focal status epilepticus hemispheric (rcSO2 reading's correlational analysis to seizure complexity, anticonvulsant therapy and possible prediction trends in a PED**

Abstract Presenter: Thomas Abramo MD,FAAP,FACEP (Little Rock, United States)

Interactive Debates  
15:30 - 16:30

Interactive Debates

## **When, why & how to treat fever**

#neuro

Role of fever; where and how to monitor; when to start therapy; in which patient; how to treat; for how long

Chair: Victoria McCredie (Toronto, Canada)

### **Debate**

**15:30**

Speaker: Fabio Silvio Taccone (Brussels, Belgium)

Speaker: Mathieu van der Jagt (Rotterdam, Netherlands)

Speaker: Chiara Robba (Cambridge, United Kingdom)

Tech Lounge  
15:30 - 17:30

Tech Lounge

## **Making the most of the EMR**

#tech

Chair: Theodoros Kyprianou (Nicosia, Cyprus)

Chair: Cecilia Akerlund (Stockholm, Sweden)

### **Setting the stage - Opportunities & challenges**

**15:30**

Speaker: Carl Waldmann (Reading, United Kingdom)

### **Implementing a hospital EMR: Implications for ICU**

**15:50**

Speaker: Richard Beale (London, United Kingdom)

## Scientific Programme

<b>The role of ESICM - Outlining a vision</b>	<b>16:10</b>
Speaker: Armand Girbes (Amsterdam, Netherlands)	
<b>Strategic discussion - The next steps</b>	<b>16:30</b>
Speaker: Theodoros Kyprianou (Nicosia, Cyprus)	

Thematic Session  
16:00 - 18:08

Paris

### Clinical Trials in the ICU

#LIVES2018

Chair: Elie Azoulay (Paris, France)  
Chair: Maurizio Cecconi (Milan, Italy)

<b>L/KG/MIN: More efficient than 2 L/KG/MIN to support young infants with severe viral bronchiolitis using high-flow nasal cannulae? Multicentre randomised controlled trial (TRAMONTANE 2 Study)</b>	<b>16:00</b>
Speaker: Christophe Milesi (Montpellier, France)	
<b>Comments</b>	<b>16:12</b>
Speaker: Miet Schetz (Leuven, Belgium)	
<b>Discussion</b>	<b>16:14</b>
<b>A multicentre randomised pilot trial on the effectiveness of different levels of cooling in comatose survivors of out-of-hospital cardiac arrest: The FROST-I trial</b>	<b>16:16</b>
Speaker: Esteban Lopez-de-Sa (Madrid, Spain)	
<b>Comments</b>	<b>16:28</b>
Speaker: Giuseppe Citerio (Monza, Italy)	
<b>Discussion</b>	<b>16:30</b>
<b>Terlipressin versus norepinephrine as infusion in patients with septic shock: A multicentre, randomised, double-blinded trial</b>	<b>16:32</b>
Speaker: Zi-Meng Liu (China)	
<b>Comments</b>	<b>16:44</b>
Speaker: Ignacio Martin-Loeches (Dublin, Ireland)	
<b>Discussion</b>	<b>16:46</b>
<b>Plasma angiopoietin-2 as a potential causal marker in sepsis-associated ARDS development: Evidence from mendelian randomisation and mediation analysis</b>	<b>16:48</b>
Speaker: John P Reilly (Philadelphia, United States)	
<b>Comments</b>	<b>17:00</b>
Speaker: Laurent Papazian (Marseille, France)	
<b>Discussion</b>	<b>17:02</b>
<b>Safety and tolerability of a single administration of AR-301, a human monoclonal antibody, in ICU patients with severe pneumonia caused by Staphylococcus aureus: First-in-human trial</b>	<b>17:04</b>
Speaker: Pierre-François Laterre (Louvain, Belgium)	

## Scientific Programme

<b>Comments</b>	<b>17:16</b>
Speaker: Samir Jaber (Montpellier, France)	
<b>Discussion</b>	<b>17:18</b>
<b>Small volume resuscitation with 20% albumin in intensive care: Physiological effects</b>	<b>17:20</b>
Speaker: Johan Mårtensson (Stockholm, Sweden)	
<b>Comments</b>	<b>17:32</b>
Speaker: Anders Perner (Copenhagen, Denmark)	
<b>Discussion</b>	<b>17:34</b>
<b>Questions to improve family-staff communication in the ICU: A randomised controlled trial</b>	<b>17:36</b>
Speaker: Elie Azoulay (Paris, France)	
<b>Comments</b>	<b>17:48</b>
Speaker: Giuseppe Citerio (Monza, Italy)	
<b>Discussion</b>	<b>17:50</b>
<b>Impact of a multifaceted prevention programme on ventilator-associated pneumonia including selective oropharyngeal decontamination</b>	<b>17:52</b>
Speaker: Jérôme Pugin (Geneva, Switzerland)	
<b>Comments</b>	<b>18:04</b>
Speaker: Laurent Papazian (Marseille, France)	
<b>Discussion</b>	<b>18:06</b>
Joint Session 16:00 - 18:00	Berlin
<b>Joint with SCCM - Surviving sepsis in low &amp; middle resource settings</b>	
#sepsis	
Chair: Jerry Zimmerman (Seattle, United States) Chair: Massimo Antonelli (Rome, Italy)	
<b>The WHO resolution on sepsis</b>	<b>16:00</b>
Speaker: Janet Victoria Diaz (Geneva, Switzerland)	
<b>Discussion</b>	<b>16:14</b>
<b>Surviving Sepsis Campaign - Research priorities for sepsis and septic shock</b>	<b>16:17</b>
Speaker: Craig Coopersmith (Atlanta, United States)	
<b>Discussion</b>	<b>16:31</b>
<b>Achieving high quality despite low resources: The Brazilian experience</b>	<b>16:34</b>
Speaker: Flavia R. Machado (São Paulo, Brazil)	
<b>Discussion</b>	<b>16:48</b>

## Scientific Programme

<b>What can we do for Africa?</b>	<b>16:51</b>
Speaker: Arthur Kwizera (Kampala, Uganda)	
<b>Discussion</b>	<b>17:05</b>
<b>Progressing the SSC for limited resource settings</b>	<b>17:08</b>
Speaker: Laura Evans (New York, United States)	
<b>Discussion</b>	<b>17:22</b>
<b>Current bundles: What's working and what's missing?</b>	<b>17:25</b>
Speaker: Martin Dünser (Linz, Austria)	
<b>Discussion</b>	<b>17:39</b>
<b>Children with sepsis and limited resources: What must we do?</b>	<b>17:42</b>
Speaker: Pierre Tissieres (Paris, France)	
<b>Discussion</b>	<b>17:56</b>
State of the Art Session 16:00 - 18:00	Barcelona
<b>Weaning from mechanical ventilation</b>	
#lung	
Chair: Marco Ranieri (Rome, Italy) Chair: Claude Guérin (Lyon, France)	
<b>Classification of weaning: How and why?</b>	<b>16:00</b>
Speaker: Laurent Brochard (Toronto, Canada)	
<b>Discussion</b>	<b>16:15</b>
<b>Indices of weaning: Are they useful?</b>	<b>16:20</b>
Speaker: Paolo Pelosi (Genova, Italy)	
<b>Discussion</b>	<b>16:35</b>
<b>Do we need weaning protocols?</b>	<b>16:40</b>
Speaker: Bronagh Blackwood (Belfast, United Kingdom)	
<b>Discussion</b>	<b>16:55</b>
<b>Is it possible to retrain respiratory muscles?</b>	<b>17:00</b>
Speaker: Leo Heunks (Neimegen, Netherlands)	
<b>Discussion</b>	<b>17:15</b>
<b>Automated weaning systems</b>	<b>17:20</b>
Speaker: Lise Piquilloud (Lausanne, Switzerland)	
<b>Discussion</b>	<b>17:35</b>
<b>Heart failure during weaning</b>	<b>17:40</b>
Speaker: Michael Pinsky (Pittsburgh, United States)	

## Scientific Programme

**Discussion** **17:55**

Thematic Session  
16:00 - 18:00

Geneva

### Medical management of AKI

#renal

Chair: Thomas Rimmelé (Lyon, France)  
Chair: Michael Joannidis (Innsbruck, Austria)

**Fluid therapy** **16:00**

Speaker: Michael Joannidis (Innsbruck, Austria)

**Discussion** **16:15**

**Haemodynamics** **16:20**

Speaker: Marlies Ostermann (London, United Kingdom)

**Discussion** **16:35**

**Drug dosing** **16:40**

Speaker: Claire Roger (Nimes, France)

**Discussion** **16:55**

**Nutrition** **17:00**

Speaker: Michael Darmon (Saint-Etienne, France)

**Discussion** **17:15**

**Use of contrast** **17:20**

Speaker: Miet Schetz (Leuven, Belgium)

**Discussion** **17:35**

**Long-term follow up** **17:40**

Speaker: John Prowle (London, United Kingdom)

**Discussion** **17:55**

Thematic Session  
16:00 - 18:00

Rome

### Resuscitation targets in shock

#cardio

Chair: Daniel A. Reuter (Rostock, Germany)  
Chair: Jacques Duranteau (Kremlin-Bicetre, France)

**Resuscitation of circulatory shock should be guided by... arterial pressure** **16:00**

Speaker: Peter Radermacher (Ulm, Germany)

**Discussion** **16:15**

## Scientific Programme

<b>Resuscitation of circulatory shock should be guided by... central venous pressure</b>	<b>16:20</b>
Speaker: Daniel A. Reuter (Rostock, Germany)	
<b>Discussion</b>	<b>16:35</b>
<b>Resuscitation of circulatory shock should be guided by... cardiac output</b>	<b>16:40</b>
Speaker: Bernd Saugel (Hamburg, Germany)	
<b>Discussion</b>	<b>16:55</b>
<b>Resuscitation of circulatory shock should be guided by... lactate</b>	<b>17:00</b>
Speaker: Jan Bakker (Rotterdam, Netherlands)	
<b>Discussion</b>	<b>17:15</b>
<b>Resuscitation of circulatory shock should be guided by... ScvO2 and CO2 gap</b>	<b>17:20</b>
Speaker: Vanina Edul (Buenos Aires, Argentina)	
<b>Discussion</b>	<b>17:35</b>
<b>Resuscitation of circulatory shock should be guided by... microcirculation</b>	<b>17:40</b>
Speaker: Arnaldo Dubin (La Plata, Argentina)	
<b>Discussion</b>	<b>17:55</b>

State of the Art Session  
16:00 - 18:00

Stockholm

### The best IV fluid in sepsis: Does it exist?

#sepsis

Chair: Luciano Gattinoni (Milan, Italy)  
Chair: Sebastian Stehr (Leipzig, Germany)

<b>Crystalloids: Are they really safe?</b>	<b>16:00</b>
Speaker: Djillali Annane (Garches, France)	
<b>Discussion</b>	<b>16:15</b>
<b>The risk benefit profile of gelatin</b>	<b>16:20</b>
Speaker: Christiane Hartog (Jena, Germany)	
<b>Discussion</b>	<b>16:35</b>
<b>Starches: Any more to add?</b>	<b>16:40</b>
Speaker: Anders Perner (Copenhagen, Denmark)	
<b>Discussion</b>	<b>16:55</b>
<b>A place for hypertonic solutions?</b>	<b>17:00</b>
Speaker: Jean-Louis Vincent (Brussels, Belgium)	
<b>Discussion</b>	<b>17:15</b>
<b>Albumin: Not just volume replacement</b>	<b>17:20</b>
Speaker: Yasser Sakr (Jena, Germany)	

## Scientific Programme

**Discussion** **17:35**

**Blood products: When and how?** **17:40**

Speaker: Nathan D. Nielsen (New Orleans, United States)

**Discussion** **17:55**

Thematic Session  
16:00 - 18:00

Lisbon

### Managing pneumonia in the ICU

#micro

Chair: Despoina Koulenti (Brisbane, Australia)

Chair: Philippe Montravers (Paris, France)

**VAC, VAT, iVAC, VAP - What does an intensivist need to know?** **16:00**

Speaker: Despoina Koulenti (Brisbane, Australia)

**Discussion** **16:15**

**Prevention - anything new?** **16:20**

Speaker: Jordi Rello (Barcelona, Spain)

**Discussion** **16:35**

**What antibiotics are becoming available to treat gram-negative VAP/HAP?** **16:40**

Speaker: Saad Nseir (Lille, France)

**Discussion** **16:55**

**The role of viruses in pneumonia** **17:00**

Speaker: Paula Ramirez (Valencia, Spain)

**Discussion** **17:15**

**Current evidence for rapid diagnostic tests** **17:20**

Speaker: Ignacio Martin-Loeches (Dublin, Ireland)

**Discussion** **17:35**

**Nebulised antibiotics for VAP** **17:40**

Speaker: Jean Chastre (Paris, France)

**Discussion** **17:55**

Continuous Professional Education Session  
16:00 - 18:00

Athens

### Nutrition in challenging conditions

#metabolic

Chair: Pierre Singer (Petah Tiqva, Israel)

Chair: Mette Berger (Lausanne, Switzerland)



## Scientific Programme

<b>Nutrition in patients with CRRT</b>	<b>16:00</b>
Speaker: Pierre Singer (Petah Tiqva, Israel)	
<b>Discussion</b>	<b>16:15</b>
<b>Nutrition of obese patients</b>	<b>16:20</b>
Speaker: Mette Berger (Lausanne, Switzerland)	
<b>Discussion</b>	<b>16:35</b>
<b>Nutrition during non-invasive ventilation</b>	<b>16:40</b>
Speaker: Steffen Weber-Carstens (Berlin, Germany)	
<b>Discussion</b>	<b>16:55</b>
<b>Nutrition in necrotising pancreatitis</b>	<b>17:00</b>
Speaker: Valentin Fuhrmann (Hamburg, Germany)	
<b>Discussion</b>	<b>17:15</b>
<b>Nutrition in elderly frail patients</b>	<b>17:20</b>
Speaker: Jean-Charles Preiser (Brussels, Belgium)	
<b>Discussion</b>	<b>17:35</b>
<b>Nutrition in malnourished patients</b>	<b>17:40</b>
Speaker: Michael Hiesmayr (Vienna, Austria)	
<b>Discussion</b>	<b>17:55</b>
Thematic Session 16:00 - 18:00	Vienna
<b>Acid-base disorders in ICU</b>	
#metabolic	
Chair: Carole Ichai (Nice, France) Chair: Eric Hoste (Ghent, Belgium)	
<b>Epidemiology in ICU</b>	<b>16:00</b>
Speaker: Hervé Quintard (Nice, France)	
<b>Discussion</b>	<b>16:15</b>
<b>A practical approach for diagnosis</b>	<b>16:20</b>
Speaker: Carole Ichai (Nice, France)	
<b>Discussion</b>	<b>16:35</b>
<b>Diabetic ketoacidosis: What's new?</b>	<b>16:40</b>
Speaker: Hervé Quintard (Nice, France)	
<b>Discussion</b>	<b>16:55</b>
<b>Metabolic alkalosis</b>	<b>17:00</b>
Speaker: Lui Forni (Surrey, United Kingdom)	

## Scientific Programme

<b>Discussion</b>	<b>17:15</b>
<b>Acidosis in acute kidney injury</b>	<b>17:20</b>
Speaker: Olivier Joannes-Boyau (Pessac, France)	
<b>Discussion</b>	<b>17:35</b>
<b>Alkalinisation in ICU</b>	<b>17:40</b>
Speaker: Samir Jaber (Montpellier, France)	
<b>Discussion</b>	<b>17:55</b>
Thematic Session	
16:00 - 18:00	Glasgow
<b>Caring for the dying</b>	
#LIVES2018	
Chair: Rik Gerritsen (Leeuwarden, Netherlands)	
Chair: Anne-Sophie Debue (Paris, France)	
<b>Optimism &amp; pessimism in ICU</b>	<b>16:00</b>
Speaker: Mireia Llaurodo Serra (Barcelona, Spain)	
<b>Discussion</b>	<b>16:15</b>
<b>Impact of dying on the family</b>	<b>16:20</b>
Speaker: Jos Latour (Plymouth, United Kingdom)	
<b>Discussion</b>	<b>16:35</b>
<b>Organ donation: What's new?</b>	<b>16:40</b>
Speaker: Rik Gerritsen (Leeuwarden, Netherlands)	
<b>Discussion</b>	<b>16:55</b>
<b>DNAR orders: A self-fulfilling prophecy?</b>	<b>17:00</b>
Speaker: Marjel van Dam (Utrecht, Netherlands)	
<b>Discussion</b>	<b>17:15</b>
<b>Practical aspects of EoL care</b>	<b>17:20</b>
Speaker: Freda DeKeyser Ganz (Jerusalem, Israel)	
<b>Discussion</b>	<b>17:35</b>
<b>Ethical Issues in ECMO therapy: When do we stop?</b>	<b>17:40</b>
Speaker: Jan Bakker (Rotterdam, Netherlands)	
<b>Discussion</b>	<b>17:55</b>

## Scientific Programme

Poster Corner  
16:00 - 18:00

Poster corner

### Airways & NIV

Chair: Fekri Abroug (Monastir, Tunisia)  
Chair: Jordi Mancebo Cortes (Barcelona, Spain)

**Non-invasive ventilation vs. high flow nasal cannula oxygenation in pneumonia-associated acute respiratory failure. An observational retrospective study**

Abstract Presenter: Sergio Rebollo (Cartagena, Spain)

**Application of the ROX index as a predictor of response to high-flow nasal cannula in patients with acute hypoxemic respiratory failure**

Abstract Presenter: Neus Guasch Boqué (Tarragona, Spain)

**Efficacy and safety of percutaneous dilatational tracheostomy with or without bronchoscopic guidance**

Abstract Presenter: Tae-Ok Kim (Gwangju, Korea, Republic of)

**Perioperative factors associated with tracheostomy following oesophagogastrrectomy surgery**

Abstract Presenter: Michelle Gerstman (London, United Kingdom)

**Endotracheal tubes with polyurethane cuffs and subglottic aspiration port - what's the evidence?**

Abstract Presenter: Rihard Knafelj (Ljubljana, Slovenia)

**The bedhead EndoTracheal tube airway information (BETTA-In) project**

Abstract Presenter: Eryl Davies (Manchester, United Kingdom)

**Surgical tracheostomy performed by a dedicated ENT surgeon in a Tunisian medical intensive care unit: early and late complications in an outcome study**

Abstract Presenter: Wafa Zarrougui (Sousse, Tunisia)

**Tracheostomy in a Tunisian medical ICU: practices and outcomes**

Abstract Presenter: Mohamed Boussarsar (Sousse, Tunisia)

**Percutaneous tracheostomy can be safely performed without bronchoscopic guidance**

Abstract Presenter: Samuel Appavu (Rockford IL, United States)

**The use of high flow nasal cannula oxygen outside the intensive care unit**

Abstract Presenter: Phillip Levin (Jerusalem, Israel)

**Timing of failure of non-invasive positive ventilation and clinical outcomes of critically ill patients**

Abstract Presenter: Oscar Peñuelas (Getafe, Spain)

**Non-invasive ventilation for very old patients: 5-year experience from a tertiary care center**

Abstract Presenter: Maria Esteves Brandão (Vila Real, Portugal)

**Cost-minimization analysis of Non-invasive and Invasive mechanical ventilation for de novo acute hypoxemic respiratory failure in an Eastern European setting**

Abstract Presenter: Viktoria Ilieva (Sofia, Bulgaria)

**High-flow oxygen through Nasal cannula versus Continuous Positive Airway Pressure in patients with moderate hypoxemic respiratory failure due to pneumonia**

Abstract Presenter: Manuela Giovini (Piacenza, Italy)

## Scientific Programme

### **The role of non-invasive ventilation in mild-to-moderate acute respiratory distress syndrome**

Abstract Presenter: Maria Esteves Brandão (Vila Real, Portugal)

Poster Corner  
16:00 - 18:00

Poster corner

## **End-of-life & organ donation**

Chair: Glenn Hernandez (Santiago, Chile)  
Chair: Victoria Metaxa (London, United Kingdom)

### **Ethical framework of the integration of palliative care in intensive care: results from a qualitative study with professionals**

Abstract Presenter: Carla Margarida Teixeira (Porto, Portugal)

### **Morbidity and mortality of discharge against medical advice patients in a tertiary care hospital in a developing country**

Abstract Presenter: Pragyan Kumar Routray (Bhubaneswar, India)

### **Acceptance rates of end-of-life decisions among ICU physicians in Turkey**

Abstract Presenter: Nur Baykara (Istanbul, Turkey)

### **Reduction of medical costs by implementing early family meeting with the decision to withdraw life-sustaining treatments in the medical intensive care unit: a propensity score-matched study in a medical center**

Abstract Presenter: Hou-Tai Chang (New Taipei City, Taiwan, Province of China)

### **Prevalence, risk factors and clinical characteristics of burnout in critical care units from Colombia**

Abstract Presenter: Stella Maria Navarro Estrada (Medellin, Colombia)

### **Intensive care unit (ICU) nurses' death perception, end of life stress and end of life nursing attitudes**

Abstract Presenter: Kim Sera (Seoul, Korea, Republic of)

### **Invasive techniques and mortality in both patients over and under 75 years old in a polyvalent ICU: a comparative study**

Abstract Presenter: Ángela Hurtado (Sevilla, Spain)

### **Ethnography in intensive care unit: the 'Emergent ICU Body' and two models of care**

Abstract Presenter: Ioannis Anastasiou (Durham, United Kingdom)

### **Impact on the perception and attitudes of an on-line educative action about limitation of life sustaining treatment (LLST), donation after brain death (DBD) and donation after circulatory death (DCD) on spanish critical care doctors**

Abstract Presenter: Alberto Sandiumenge (Barcelona, Spain)

### **Does the transcranial doppler help us in the diagnosis of brain death?**

Abstract Presenter: Hugo Rodríguez Pérez (Las Palmas de Gran Canaria, Spain)

### **Very elderly donors as a potential source for liver transplant**

Abstract Presenter: María Arís Pérez Lucendo (Madrid, Spain)

## Scientific Programme

**Normothermic regional perfusion as way to optimize kidney graft function in controlled cardiac death donors**

Abstract Presenter: Inmaculada Fernández Simón (Madrid, Spain)

**Importance of intensive care units (ICUS) in organ and tissue donation. 20-year experience in the Mexican Social Security Institute (IMSS) in León, Mexico**

Abstract Presenter: Enrique Mario Olivares-Durán (León, Mexico)

**Predisposing factors of failed apnea test during brain death determination in potential organ donor**

Abstract Presenter: Jin Joo Kim (Seoul, Korea, Republic of)

**Changes in end-of-life practices (EOLP) in European intensive care units (ICUs): the Ethicus II study**

Abstract Presenter: Joerg Schefold (Bern, Switzerland)

**ECMO mobile teams for normothermic regional perfusion to support cardiac death donors in hospitals of the Autonomous Community of Madrid, Spain. A one-year experience**

Abstract Presenter: Marina Pérez Redondo (Majadahonda, Madrid., Spain)

**Controlled donation after circulatory death (cDCD) in Donostia University Hospital, 2015-2018**

Abstract Presenter: Mariana De Almeida e Silva (Donostia - San Sebastian, Spain)

Poster Corner  
16:00 - 18:00

Poster corner

## Beyond the Intensive Care

Chair: Bertrand Guidet (Paris, France)  
Chair: Dylan de Lange (Utrecht, Netherlands)

**Augmented renal clearance as a predictor of poor outcome in critically ill patients, preliminary results of a single centre study**

Abstract Presenter: Agñel Ramos (Rosario, Argentina)

**A 20 year review of outcomes for critical care patients aged over 90 years**

Abstract Presenter: Claire Mearns (Redhill, United Kingdom)

**High central venous pressure and cumulative fluid balance is associated with mortality in ICU**

Abstract Presenter: Akhyar Hamonangan Nasution (Medan, Indonesia)

**Airway pressures discriminative properties for the prediction of death in acute exacerbations of COPD (AE/COPD) patients**

Abstract Presenter: Mohamed Boussarsar (Sousse, Tunisia)

**Exercise capacity and muscle strength differences in working aged patients with normal or impaired physical functioning after critical illness at three months after the hospital discharge**

Abstract Presenter: Miikka Niittyvuopio (Oulu, Finland)

**Airway pressures and difficult weaning prediction in acute exacerbations of COPD (AE/COPD) patients**

Abstract Presenter: Mohamed Boussarsar (Sousse, Tunisia)

## Scientific Programme

**Who is admitted, who stays, who lives and who dies? - decisions to refuse or limit treatment of intensive care patients**

Abstract Presenter: Eva Joelsson-Alm (Stockholm, Sweden)

**Predictors of prolonged stay in a Tunisian intensive care unit (ICU)**

Abstract Presenter: Mohamed Boussarsar (Sousse, Tunisia)

**Long-term outcomes in tracheoventilated patients**

Abstract Presenter: Roberto Di Benedetto (Piacenza, Italy)

**Impact of socioeconomic status on outcome in a neurointensive care unit**

Abstract Presenter: Shady Amer (Glasgow, United Kingdom)

**Cancer incidence following discharge from an intensive care unit**

Abstract Presenter: Maximilian Ralston (Glasgow, United Kingdom)

**ICU Frailout: a study of frailty and outcomes in ICU**

Abstract Presenter: Rui Ferreira de Almeida (Faro, Portugal)

**Clinical predictors of early death in critically ill medical patients**

Abstract Presenter: Mohamed Boussarsar (Sousse, Tunisia)

**Frailty in ICU: an unmeasured burden**

Abstract Presenter: Robert Hart (Glasgow, United Kingdom)

Poster Corner  
16:00 - 18:00

Poster corner

## Caring for immunocompromised patients

Chair: Peter Schellongowski (Vienna, Austria)  
Chair: Dominique Benoit (Ghent, Belgium)

**Endothelial toxicity of extracellular histones during tumor lysis syndrome: an experimental study**

Abstract Presenter: Maud Loiselle (Paris, France)

**Intensive care patients with haematological malignancy - why are they dying?**

Abstract Presenter: Lene Russell (Copenhagen, Denmark)

**Status performance at hospital discharge in critically ill cancer patients who survive after ICU admission**

Abstract Presenter: Domingo Díaz Díaz (Madrid, Spain)

**The choice of central venous catheters (CVCs) in patients (pts) undergoing allogeneic hematopoietic stem cell transplantation (allo-HSCT)**

Abstract Presenter: Polina Makarova (Moscow, Russian Federation)

**The influence of ICU admission of the patients (pts) with de novo acute myeloid leukemia (AML) on the long-term survival**

Abstract Presenter: Aleksei Bazhenov (Moscow, Russian Federation)

**Extracorporeal life support in critical ill immunocompromised adult patients**

Abstract Presenter: René López (Santiago, Chile)

## Scientific Programme

**Usefulness of SOFA score as prognosis factor in hematopoietic stem cell transplantation recipients admitted to critical care**

Abstract Presenter: Irene Romera (Barcelona, Spain)

**Prognostic factors in critically ill oncological patients admitted in a tertiary ICU: the Vall d'Hebron Intensive Care Department/Vall d'Hebron Institute of Oncology cohort (VHIO)**

Abstract Presenter: Cándido Díaz (Barcelona, Spain)

**Outcomes of patients with haematological malignancies admitted to a specialist intensive care unit**

Abstract Presenter: Cesar Cosacow (Buenos Aires, Argentina)

**Hospital mortality associated factors and utility of three severity of illness scores in critically ill solid cancer patients**

Abstract Presenter: María Lucía Pérez Pérez (Majadahonda, Spain)

**Safety of percutaneous dilatational tracheostomy in patients with hematologic malignancy**

Abstract Presenter: Jongmin Lee (Seoul, Korea, Republic of)

**Mortality related with infection at the admission in the intensive care in patients with haematological disease**

Abstract Presenter: Gabriela Narváez Chávez (Madrid, Spain)

**Infection impact as cause of admission in intensive care in patients with bone marrow transplant in a university hospital**

Abstract Presenter: Gabriela Narváez Chávez (Madrid, Spain)

**Predictive factors for mortality in cancer patients undergoing chemotherapy in the intensive care unit: an analysis of 222 cases**

Abstract Presenter: Ludhmila Hajjar (Sao Paulo, Brazil)

**Clinical outcomes and microbiological characteristics of severe infection in critically ill cancer patients**

Abstract Presenter: Domingo Díaz Díaz (Madrid, Spain)

**Bacterial infection in cirrhotics: comparison of diagnostic and prognostic values of some biomarkers**

Abstract Presenter: Nasreddine Foudhaili (Tunis, Tunisia)

**Are antibiotics a cause of sepsis-induced immunosuppression?**

Abstract Presenter: Muska Khpal (London, United Kingdom)

Poster Corner  
16:00 - 18:00

Poster corner

## Paediatrics & safety

Chair: Stijn Blot (Ghent, Belgium)  
Chair: Michael Sander (Giessen, Germany)

**Effect of Fluid resuscitation in first 3 hours and fluid balance on the mortality in pediatric septic shock**

Abstract Presenter: EunJu Ha (Seoul, Korea, Republic of)

**Efficacy and safety of early high-dose rehabilitation in ICU patients**

Abstract Presenter: Mikhail Bychinin (Moscow, Russian Federation)

## Scientific Programme

**Hemispheric cerebral oximetry (rcSO<sub>2</sub>) readings in status epilepticus in a pediatric emergency department: relationship to seizure complexity, anticonvulsant therapy and possible prediction trends**

Abstract Presenter: Thomas Abramo MD,FAAP,FACEP (Little Rock, United States)

**Evaluation of cerebral circulation in children with congenital heart disease—comparison of those with and without systemic oxygenated disturbance**

Abstract Presenter: Masataka Yamamoto (Sapporo, Japan)

**Are the parents' statements reliable for diagnosis of serious bacterial infection among the febrile children without source?**

Abstract Presenter: Ha Ni Lee (Seoul, Korea, Republic of)

**Clinical profile, intensive care needs and predictors of outcome in children with drowning: a developing country perspective**

Abstract Presenter: Madhusudan Samprathi (Chandigarh, India)

**Diaphragm pacing in complex pediatric respiratory care can have a significant role in treating respiratory failure from spinal cord injury to multiple other diseases including spinal muscle atrophy, pompe's and acute flaccid myelitis**

Abstract Presenter: Raymond Onders (Cleveland, United States)

**Complications and mortality associated with acute varicella - infections in a pediatric intensive care unit: a ten-year experience**

Abstract Presenter: Jef Willems (Gent, Belgium)

**Augmented renal clearance: a common phenomenon in critically ill children**

Abstract Presenter: Evelyn Dhont (Ghent, Belgium)

**Higher incidence of *Acinetobacter baumannii* isolated from adult ICU than PICU among critically ill children**

Abstract Presenter: Beomjoon Kim (Seoul, Korea, Republic of)

**Complications associated with central venous catheter in neonates: what is the problem?**

Abstract Presenter: Na Mi Lee (Seoul, Korea, Republic of)

Poster Corner  
16:00 - 18:00

Poster corner

## Bleeding & transfusion

Chair: Alexander Vlaar (Amsterdam, Netherlands)  
Chair: Sameer Jog (Pune, India)

**Plasma exchange in a Tunisian intensive care unit (ICU): a 10 year retrospective audit**

Abstract Presenter: Mohamed Boussarsar (Sousse, Tunisia)

**Pneumonia in a large teaching hospital ICU in the West of Scotland**

Abstract Presenter: Andrew Mackay (Glasgow, United Kingdom)

**Monitoring of mitochondrial oxygen tension during a red blood cell transfusion and fluid challenge in chronic anemia patients**

Abstract Presenter: Rinse Ubbink (Rotterdam, Netherlands)

**Iatrogenic blood loss during an ICU admission**

Abstract Presenter: Kai Koch (London, United Kingdom)



## Scientific Programme

### **Infusion-transfusion therapy - important component of intensive therapy of hemorrhagic shock in obstetric hemorrhages**

Abstract Presenter: Dinara Mambetalieva (Bishkek, Kyrgyzstan)

Abstract Presenter: Cholpon Stakeeva (Bishkek, Kyrgyzstan)

### **Effect of transfusion on hemodynamic and oxygen variables: systematic review and meta-analysis**

Abstract Presenter: Elaine Cavalcante dos Santos (Brussels, Belgium)

### **Clearance mechanisms of extracellular vesicles after red blood cell transfusion in human endotoxemia**

Abstract Presenter: Lisa van Manen (Amsterdam, Netherlands)

### **Analysis of the transfusion savings guided by tromboelastography (TEG) prior to invasive techniques in septic patients**

Abstract Presenter: Yaiza Rovira Valles (Badalona, Spain)

### **ECLS-related coagulopathy and transfusion needs are reversed by circuit exchange**

Abstract Presenter: René López (Santiago, Chile)

### **Major bleeding, can we identify some useful predictor of mortality?**

Abstract Presenter: Esmoris Arijon Ines (A CORUÑA, Spain)

### **Washing of red blood cells prior to transfusion decreases trapping of donor cells in organs in a pneumosepsis rat model**

Abstract Presenter: Lisa van Manen (Amsterdam, Netherlands)

### **The effect of an early transfusion on infection in severe trauma**

Abstract Presenter: Do Wan Kim (Gwangju, Korea, Republic of)

### **Retrospective observational cohort study of anticoagulation practices, thromboembolic events and bleeding events in patients that develop atrial fibrillation admitted to a mixed surgical and medical ICU in the United Kingdom**

Abstract Presenter: Brian Johnston (Liverpool, United Kingdom)

### **Introduction of massive hemorrhage protocol in II level trauma center. Analisis after one year**

Abstract Presenter: Alessandro Calzolari (Milan, Italy)

Poster Corner  
16:00 - 18:00

Poster corner

## **A focus on sepsis therapeutics**

Chair: Anthony Gordon (London, United Kingdom)

Chair: Ludhmila Hajjar (Sao Paulo, Brazil)

### **The effect of vitamin C on mechanically ventilated patients with severe sepsis and septic shock: a retrospective cohort study**

Abstract Presenter: Jee Hwan Ahn (Seoul, Korea, Republic of)

### **The effect of magnesium sulphate on cerebral perfusion in patients with sepsis-associated encephalopathy**

Abstract Presenter: Nesreen Adel Shaban (Alexandria, Egypt)

## Scientific Programme

**Administration of chemotherapy to patients with hematologic malignancies admitted to the ICU with sepsis**

Abstract Presenter: David Shaz (New York, United States)

**Clinical outcomes of septic patients with elevated cardiac troponin in Manila Doctors Hospital**

Abstract Presenter: Krislyn Panugayan (Manila, Philippines)

**Effect of fluid resuscitation with Ringer lactate versus acetate solution on correction of metabolic acidosis in critically ill patients**

Abstract Presenter: Neeru Sahni (Chandigarh, India)

**The Impact of hydrocortisone therapy on noradrenaline requirement and haemodynamics derived from transpulmonary thermodilution (TPTD) in patients with septic shock: an observational study**

Abstract Presenter: Wolfgang Huber (Munich, Germany)

**Is there a role for early administration of fixed low dose terlipressin in adult septic shock?**

Abstract Presenter: Rabea Etomi (London, United Kingdom)

**Hypotension in septic patients after intubation and sedation - shock or adverse effects from sedatives?**

Abstract Presenter: Johan Erik Larsson (Hilleroed, Denmark)

**Mesenchymal stem cells in a porcine model of progressive peritoneal sepsis**

Abstract Presenter: Jan Horak (Plzen, Czech Republic)

**Cell therapy using genetically modified mesenchymal stem cell in a murine model of sepsis**

Abstract Presenter: Josep Bringué (Sabadell, Spain)

**Effects of combined hydrocortisone and vitamin C for the treatment of sepsis**

Abstract Presenter: June Hong Ahn (Daegu, Korea, Republic of)

**Inhibition of uncoupling protein 2 exacerbates mitochondrial oxidative stress in the proximal tubular epithelial cells of a live kidney slice exposed to septic serum**

Abstract Presenter: Sean Pollen (London, United Kingdom)

**Blood transfusion for haemodynamic and volume resuscitation in endotoxaemic shock: is there a difference between fresh versus stored blood transfusion?**

Abstract Presenter: Nchafatso Obonyo (Chermside, Australia)

**Effects of platelet-activating factor and quinidine in the isolated perfused rat small intestine are related to similar MAPK pathways**

Abstract Presenter: Niklas Beckers (Kiel, Germany)

**Pentoxifylline inhibits M1 polarization and favors M2 of murine macrophages treated with TLR4 agonist**

Abstract Presenter: Julia Guerrero (Santiago, Chile)

**IgM-enriched IgG as adjuvant therapy to treat sepsis and septic shock in the critically ill**

Abstract Presenter: Alberto Corona (Milano, Italy)

**Hydrocortisone, vitamin C, low dose norepinephrine and thiamine for the treatment of severe sepsis and septic shock: a retrospective before-after study**

Abstract Presenter: Abdul Wadood Ahmadzai (Jalalabad, Afghanistan)

## Scientific Programme

Poster Corner  
16:00 - 18:00

Poster corner

### New insights on trauma management

Chair: Sophie Hamada (Paris, France)  
Chair: Christina Gaarder (Oslo, Norway)

**Association between hypotension and mortality in critically ill patients with severe traumatic brain injury: experience at a single Canadian trauma center**

Abstract Presenter: Rob Green (Halifax, Canada)

**Evaluation of two decision tools to reduce unnecessary whole-body CT exams in trauma patients**

Abstract Presenter: Javier Sainz Cabrejas (Madrid, Spain)

**Is the shock index a good predictor of mortality in trauma patients?**

Abstract Presenter: Laura Pariente Juste (Barcelona, Spain)

**Acute kidney injury in trauma patients admitted to the intensive care unit: a systematic review and meta-analysis**

Abstract Presenter: Signe Søvik (Lørenskog, Norway)

**Infection-related ventilator-associated complications in patients with acute brain injury**

Abstract Presenter: Allana R Corrêa (Belo Horizonte, Brazil)

**Antibiotic therapy does not prevent nosocomial pneumonia in critically ill trauma patients with pulmonary contusion**

Abstract Presenter: Bruno Martins Tomazini (São Paulo, Brazil)

**A new trauma-burn care system should be established near future**

Abstract Presenter: Qin Zhang (Shanghai, China)

**Clinical characteristics of critical burn injury at Vall d'Hebrón University Hospital: a retrospective analysis**

Abstract Presenter: Claudia Vizcaino Urresta (Barcelona, Spain)

**Induction of local anti-inflammatory IL-10 release at the onset of multiple trauma injury**

Abstract Presenter: George Filintisis (Athens, Greece)

**Comparison of serum biomarkers for CT positive mild to moderate traumatic brain injury in emergency department**

Abstract Presenter: Tadashi Kaneko (Kumamoto, Japan)

**Factors associated with posttraumatic meningitis: a nation-wide study with hospital-based trauma registry in Japan**

Abstract Presenter: Yusuke Katayama (Suita, Japan)

**Is early hemofiltration in major trauma patients feasible? Systematic review and a retrospective analysis**

Abstract Presenter: Ferdinando Avolio (Trieste, Italy)

**Comparative study of cohorts between isolated severe traumatic brain injury (TBI) and associated with polytrauma**

Abstract Presenter: A. Bueno González (Ciudad Real, Spain)

**Thoracic blunt aortic injury (TBAI) in polytrauma: how to define clinical priorities?**

Abstract Presenter: Chiarini Valentina (Bologna, Italy)

## Scientific Programme

### **Trauma care in Italy: a regional survey**

Abstract Presenter: Erika Borotto (Legnano, Italy)

### **The relation between neutrophil subsets mobilized after trauma and the occurrence of infectious complications**

Abstract Presenter: Lillian Hesselink (Utrecht, Netherlands)

NEXT Lounge  
16:00 - 17:00

NEXT Lounge

## NEXT Challenging debate

#ESICMNEXT

Chair: Victoria Bennett (London, United Kingdom)  
Chair: Laura Galarza Barrachina (Castellon, Spain)

### **Neuromonitoring in ICU: When - how - why!**

16:00

Speaker: Lara Prisco (Oxford, United Kingdom)  
Speaker: Arjen Slooter (Utrecht, Netherlands)  
Speaker: Mauro Oddo (Lausanne, Switzerland)

Arena  
16:40 - 17:50

Arena

## Transfusion & fluids in the perioperative period

Chair: Christian Sitzwohl (Vienna, Austria)  
Chair: Hollmann Aya Bernal (London, United Kingdom)

### **Perioperative number of transfused red blood cell units in coronary artery bypass surgery and outcome: the less is better and zero is the best**

Abstract Presenter: Fotini Ampatzidou (Thessaloniki, Greece)

### **Use of tidal volume challenge to predict fluid responsiveness in operating room**

Abstract Presenter: Antonio Messina (Novara, Italy)

### **Incidence, predictive factors and prognostic value of post-cardiac surgery vasoplegia: an observational prospective study**

Abstract Presenter: Philippe Gaudard (Montpellier, France)

### **Infections after cardiac surgery**

Abstract Presenter: Juan Carlos Lopez-Delgado (Barcelona, Spain)

### **Evaluation of nutritional status in cardiac surgery: the influence in outcomes**

Abstract Presenter: Juan Carlos Lopez-Delgado (Barcelona, Spain)

### **Hematological complications in immediate postoperative after cytoreductive surgery and hyperthermic intraperitoneal chemotherapy**

Abstract Presenter: Alejandra Acha (Alcala de Henares, Spain)

## Scientific Programme

### **Integration of psychological well-being service into critical care unit: stepped care model**

Abstract Presenter: Petra Polgarova (Cambridge, United Kingdom)

### **Transfusion results in priming and adhesion of neutrophils in human endotoxemia as well as in a cohort of critically ill patients**

Abstract Presenter: Maïke E. van Hezel (Amsterdam, Netherlands)

### **Platelet trajectory phenotypes in the ICU and how they predict 60-day mortality**

Abstract Presenter: Yue Wei (Pittsburgh, United States)

### **Association of perioperative allogeneic red blood cell transfusion with cancer recurrence in patients undergoing abdominal surgery for cancer: a systematic review, meta-analysis, and meta-regression**

Abstract Presenter: Oliver Hunsicker (Berlin, Germany)

Interactive Debates  
16:45 - 17:45

Interactive Debates

## **Sedation versus restraints?**

#outcomes

(1) Sedation is not good for patients versus sedation is necessary (2) Agitated patients are a danger to themselves (3) Restraining patients is unethical and dangerous

Chair: Mervyn Singer (London, United Kingdom)

### **Debate**

**16:45**

Speaker: Geeta Mehta (Toronto, Canada)

Speaker: Hans Flaatten (Bergen, Norway)

Speaker: Peter van der Voort (Amsterdam, Netherlands)

NEXT Lounge  
17:00 - 18:00

NEXT Lounge

## **NEXT Happy Hour**

#ESICMNEXT

**Connect to NEXT**

**17:00**

## Scientific Programme

### Wednesday, 24 October 2018

---

Keynote Lecture  
08:00 - 08:20

Paris

#### **Immune system: The forgotten organ in intensive care**

#sepsis

Chair: Yasser Sakr (Jena, Germany)

##### **Presentation**

**08:00**

Speaker: Peter Pickkers (Nijmegen, Netherlands)

Thematic Session  
08:30 - 10:00

Paris

#### **Renal replacement therapy: How to decide**

#renal

Chair: Marlies Ostermann (London, United Kingdom)

Chair: Michael Darmon (Saint-Etienne, France)

##### **Initiation**

**08:30**

Speaker: Suvi Vaara (Helsinki, Finland)

##### **Discussion**

**08:45**

##### **Access**

**08:48**

Speaker: Thomas Rimmelé (Lyon, France)

##### **Discussion**

**09:03**

##### **Modality**

**09:06**

Speaker: Michael Darmon (Saint-Etienne, France)

##### **Discussion**

**09:21**

##### **Dose**

**09:24**

Speaker: Michael Joannidis (Innsbruck, Austria)

##### **Discussion**

**09:39**

##### **Termination**

**09:42**

Speaker: Olivier Joannes-Boyau (Pessac, France)

##### **Discussion**

**09:57**

## Scientific Programme

Continuous Professional Education Session  
08:30 - 10:00

Berlin

### Fluid therapy: Where is the solution?

#cardio

Chair: Jan Bakker (Rotterdam, Netherlands)  
Chair: Thomas Scheeren (Groningen, Netherlands)

**Fluid restriction: Physiological considerations and practical aspects** **08:30**

Speaker: Glenn Hernandez (Santiago, Chile)

**Discussion** **08:45**

**Peripheral perfusion as a target** **08:48**

Speaker: Vanina Edul (Buenos Aires, Argentina)

**Discussion** **09:03**

**Microcirculation responsiveness as a target** **09:06**

Speaker: Christiaan Boerma (Lleuwaarden, Netherlands)

**Discussion** **09:21**

**Fluids in brain injury** **09:24**

Speaker: Sameer Jog (Pune, India)

**Discussion** **09:39**

**Transfusion related circulatory overload** **09:42**

Speaker: Alexander Vlaar (Amsterdam, Netherlands)

**Discussion** **09:57**

Joint Session  
08:30 - 10:00

Barcelona

### Joint with SRLF/SFAR - Controversies & challenges in the management of severe COPD exacerbation

#LIVES2018

Chair: Jacques Duranteau (Kremlin-Bicetre, France)  
Chair: Luigi Camporota (London, United Kingdom)

**Novelties in non-invasive ventilatory support** **08:30**

Speaker: Alexandre Demoule (Paris, France)

**Discussion** **08:45**

**Choosing the right patient and the right moment to intubate** **08:48**

Speaker: Luigi Camporota (London, United Kingdom)

**Discussion** **09:03**

**On what criteria should I give or not give antibiotics?** **09:06**

Speaker: Jean-Michel Constantin (Clermont-Ferrand, France)

## Scientific Programme

<b>Discussion</b>	<b>09:21</b>
<b>Should steroids be given to every patient?</b>	<b>09:24</b>
Speaker: Fekri Abroug (Monastir, Tunisia)	
<b>Discussion</b>	<b>09:39</b>
<b>CO2 removal: Are we ready to start?</b>	<b>09:42</b>
Speaker: Samir Jaber (Montpellier, France)	
<b>Discussion</b>	<b>09:57</b>

Thematic Session  
08:30 - 10:00

Geneva

### Get ready for the stroke revolution

#neuro

Chair: Carl Waldmann (Reading, United Kingdom)  
Chair: Mathieu van der Jagt (Rotterdam, Netherlands)

<b>Reperfusion therapies: the ongoing revolution</b>	<b>08:30</b>
Speaker: Pierre Bouzat (Grenoble, France)	
<b>Discussion</b>	<b>08:45</b>
<b>The first 72 hours in the ICU</b>	<b>08:48</b>
Speaker: Donald Griesdale (Vancouver, Canada)	
<b>Discussion</b>	<b>09:03</b>
<b>Optimised ventilation and airways management</b>	<b>09:06</b>
Speaker: Victoria McCredie (Toronto, Canada)	
<b>Discussion</b>	<b>09:21</b>
<b>Decompressive craniectomy: friend or foe</b>	<b>09:24</b>
Speaker: Nino Stocchetti (Milan, Italy)	
<b>Discussion</b>	<b>09:39</b>
<b>When to stop treating in ICU and when to plan post ICU care</b>	<b>09:42</b>
Speaker: Mathieu van der Jagt (Rotterdam, Netherlands)	
<b>Discussion</b>	<b>09:57</b>

Thematic Session  
08:30 - 10:00

Rome

### Improving infection management at the bedside

#micro

Chair: Liesbet De Bus (Gent, Belgium)  
Chair: Gennaro De Pascale (Rome, Italy)



## Scientific Programme

<b>SDD to reduce nosocomial infections?</b>	<b>08:30</b>
Speaker: Lennie Derde (Utrecht, Netherlands)	
<b>Discussion</b>	<b>08:45</b>
<b>Aspergillosis in the immunocompetent host: Pitfalls and challenges</b>	<b>08:48</b>
Speaker: Jean-François Timsit (Paris, France)	
<b>Discussion</b>	<b>09:03</b>
<b>Tracking antibiotic prescription and resistance in the ICU</b>	<b>09:06</b>
Speaker: Jeroen Schouten (Radboud, Netherlands)	
<b>Discussion</b>	<b>09:21</b>
<b>Antibiotic time-out: A practical solution for optimising therapy</b>	<b>09:24</b>
Speaker: Despoina Koulenti (Brisbane, Australia)	
<b>Discussion</b>	<b>09:39</b>
<b>Empirical antibiotic therapy: Hit hard and early?</b>	<b>09:42</b>
Speaker: Jeffrey Lipman (Brisbane, Australia)	
<b>Discussion</b>	<b>09:57</b>

Thematic Session  
08:30 - 10:00

Stockholm

### Sepsis, the controversy never stops

#sepsis

Chair: Jean-Louis Vincent (Brussels, Belgium)  
Chair: Ricard Ferrer Roca (Barcelona, Spain)

<b>Protocolised vs. individualised therapy</b>	<b>08:30</b>
Speaker: Claude Martin (Marseille, France)	
<b>Discussion</b>	<b>08:45</b>
<b>Steroids for all or some?</b>	<b>08:48</b>
Speaker: Josef Briegel (München, Germany)	
<b>Discussion</b>	<b>09:03</b>
<b>Adjuvant therapies: Yes or no?</b>	<b>09:06</b>
Speaker: Massimo Girardis (Modena, Italy)	
<b>Discussion</b>	<b>09:21</b>
<b>Fluid replacement: Wet or dry?</b>	<b>09:24</b>
Speaker: Anders Perner (Copenhagen, Denmark)	
<b>Discussion</b>	<b>09:39</b>
<b>EGDT: Take it or leave it?</b>	<b>09:42</b>
Speaker: Daniel A. Reuter (Rostock, Germany)	

## Scientific Programme

**Discussion** **09:57**

State of the Art Session  
08:30 - 10:00

Lisbon

### Ventilation associated organ injury

#periop

Chair: Matthias Derwall (Aachen, Germany)  
Chair: Jesus Villar (Las Palmas de Gran Canaria, Spain)

**Ventilation induced acute kidney injury (VIKI)** **08:30**

Speaker: Eric Hoste (Ghent, Belgium)

**Discussion** **08:45**

**Ventilation induced acute lung injury (VILI)** **08:48**

Speaker: Marco Ranieri (Rome, Italy)

**Discussion** **09:03**

**Ventilation and cardiovascular interaction** **09:06**

Speaker: Michael Pinsky (Pittsburgh, United States)

**Discussion** **09:21**

**Ventilation during respiratory extracorporeal life support** **09:24**

Speaker: Matthias Derwall (Aachen, Germany)

**Discussion** **09:39**

**Ventilation and brain interaction** **09:42**

Speaker: Mauro Oddo (Lausanne, Switzerland)

**Discussion** **09:57**

State of the Art Session  
08:30 - 10:00

Athens

### Improving postoperative outcome

#periop

Chair: Mike Gillies (Edinburgh, United Kingdom)  
Chair: Bernardo Bollen Pinto (Geneva, Switzerland)

**What does grandma want? Aiming for the best outcome** **08:30**

Speaker: Ib Jammer (Bergen, Norway)

**Discussion** **08:45**

**Towards a better definition of perioperative goal-directed therapy** **08:48**

Speaker: Michael Sander (Giessen, Germany)

**Discussion** **09:03**

## Scientific Programme

<b>Perioperative cardiac complications: Who gets them and how to avoid</b>	<b>09:06</b>
Speaker: Bernardo Bollen Pinto (Geneva, Switzerland)	
<b>Discussion</b>	<b>09:21</b>
<b>Postoperative standard care vs. postoperative ICU care: Not one size fits all</b>	<b>09:24</b>
Speaker: Hannah Wunsch (Toronto, Canada)	
<b>Discussion</b>	<b>09:39</b>
<b>High-flow Oxygen or CPAP for postoperative respiratory support?</b>	<b>09:42</b>
Speaker: Alexandre Demoule (Paris, France)	
<b>Discussion</b>	<b>09:57</b>
Continuous Professional Education Session 08:30 - 10:00	
	Vienna
<b>Having a good death in our ICU</b>	
#ethic	
Chair: Victoria Metaxa (London, United Kingdom)	
Chair: Hanne Irene Jensen (Vejle, Denmark)	
<b>What is a good death?</b>	<b>08:30</b>
Speaker: Andrej Michalsen (Tettnang, Germany)	
<b>Discussion</b>	<b>08:45</b>
<b>Good end-of-life care for patient and family</b>	<b>08:48</b>
Speaker: Dominique Benoit (Ghent, Belgium)	
<b>Discussion</b>	<b>09:03</b>
<b>Which conflicts to expect at the end-of-life?</b>	<b>09:06</b>
Speaker: Hanne Irene Jensen (Vejle, Denmark)	
<b>Discussion</b>	<b>09:21</b>
<b>Withholding therapies: Ethical and legal aspects</b>	<b>09:24</b>
Speaker: Andrej Michalsen (Tettnang, Germany)	
<b>Discussion</b>	<b>09:39</b>
<b>Everything is easier with a more human environment</b>	<b>09:42</b>
Speaker: María Cruz Martín Delgado (Madrid, Spain)	
<b>Discussion</b>	<b>09:57</b>

## Scientific Programme

Thematic Session  
08:30 - 10:00

Glasgow

### Do you see what I see?

#LIVES2018

Chair: Mireia Llaurodo Serra (Barcelona, Spain)  
Chair: David McWilliams (Birmingham, United Kingdom)

#### The patient as a witness

08:30

Speaker: Silvia Calvino Günther (Grenoble, France)

#### Discussion

08:45

#### Privacy as an argument to exclude family members

08:48

Speaker: Anne-Sophie Debue (Paris, France)

#### Discussion

09:03

#### Do we dim the lights to relax?

09:06

Speaker: Johannes Mellinghoff (London, United Kingdom)

#### Discussion

09:21

#### Basic: Stimulation

09:24

Speaker: Peter Nydahl (Kiel, Germany)

#### Discussion

09:39

#### DecubICUs: what we know so far!

09:42

Speaker: Stijn Blot (Ghent, Belgium)

#### Discussion

09:57

Interactive Debates  
08:30 - 09:30

Interactive Debates

### Publishing Critical Care: 2020 and beyond

#LIVES2018

Chair: Elie Azoulay (Paris, France)

#### Debate

08:30

Speaker: Giuseppe Citerio (Monza, Italy)  
Speaker: Craig Coopersmith (Atlanta, United States)  
Speaker: Jean-Louis Teboul (Kremlin-Bicetre, France)

## Scientific Programme

Tech Lounge  
09:00 - 10:00

Tech Lounge

### Let's talk tech - Focus on human factors & safety

#tech#safety

Chair: Robert Gatherer (London, United Kingdom)  
Chair: Marius Terblanche (London, United Kingdom)

<b>Human interactions and stress</b>	<b>09:00</b>
Speaker: Ari Ercole (Cambridge, United Kingdom)	
<b>Using technology to understand the complexity of safety</b>	<b>09:20</b>
Speaker: Robert Gatherer (London, United Kingdom)	
<b>Discussion</b>	<b>09:40</b>

Arena  
09:10 - 10:20

Arena

### Think about choices

Chair: Bara Ricou Arita (Geneva, Switzerland)  
Chair: Ruth Endacott (Plymouth, United Kingdom)

<b>Practices in end-of-life care and in discontinuing mechanical ventilation in elderly critically ill patients: a nested study within an international observational study</b>	
Abstract Presenter: Karen E. A. Burns (Toronto, Canada)	
<b>Outcome comparison between alcoholic and non-alcoholic liver cirrhosis in intensive care</b>	
Abstract Presenter: Siiri Hietanen (Oulu, Finland)	
<b>Evaluation of the association between key factors of concept on good death and public's preference of life sustaining treatment during critical illness</b>	
Abstract Presenter: Wai Tat Wong (Shatin, Hong Kong, China)	
<b>Would you like to be admitted to the ICU? Intensivists' and the general public's preferences according to different outcomes</b>	
Abstract Presenter: Renata Fumis (São Paulo, Brazil)	
<b>Ethical aspects of prognosis and the passage of time in intensive care. A qualitative triangulation</b>	
Abstract Presenter: Anna-Henrikje Seidlein (Greifswald, Germany)	
<b>Death verification - after 5 years, we still can't diagnose death</b>	
Abstract Presenter: Katie Archer (Birmingham, United Kingdom)	
<b>Terminal extubation in critically ill patients</b>	
Abstract Presenter: Angel Estella (Jerez, Spain)	
<b>Life support limitation practices in an intensive care unit</b>	
Abstract Presenter: Leyla Alegria (Santiago, Chile)	

## Scientific Programme

### **Understanding & acceptance of the brain death concept among Cairo University Intensivists & Emergency Doctors. A survey study**

Abstract Presenter: Mai El-Sayed (Cairo, Egypt)

### **Evaluation of medical students knowledge about brain death**

Abstract Presenter: Miguel Cenacchi Garcia Pereira (São Paulo, Brazil)

Poster Corner  
09:10 - 11:10

Poster corner

## **Patient ventilator interaction**

Chair: Jordi Mancebo Cortes (Barcelona, Spain)  
Chair: Giacomo Grasselli (Milan, Italy)

### **Prevalence of reverse triggering early after intubation**

Abstract Presenter: Ricard Mellado Artigas (Barcelona, Spain)

### **Effect of sedatives and opioids on patient-ventilator asynchronies in critically ill patients**

Abstract Presenter: Cande De Haro (Sabadell, Spain)

### **Physiological response to different levels of GAIN and PEEP in lung transplant recipients undergoing neurally adjusted ventilatory assist in early post-operative period**

Abstract Presenter: Luigi Castagna (Milan, Italy)

### **The effect of phrenic nerve stimulation on heart rate**

Abstract Presenter: Marlena Ornowska (Burnaby, Canada)

### **Validity of ventilatory efficiency in patients recovering from critical illness**

Abstract Presenter: Bart-Jan van der Sleen (Deventer, Netherlands)

### **Automated patient-ventilator asynchrony monitoring in the ICU, feasibility and efficiency (CURVEX)**

Abstract Presenter: Yann Jan (Brest, France)

### **Reliability analysis of the Patient-Ventilator Breath Contribution (PVBC) index in mechanically ventilated patients**

Abstract Presenter: Annemijn Heleen Jonkman (Amsterdam, Netherlands)

### **Detecting excessive spontaneous effort and lung stress during assisted mechanical ventilation by an end-expiratory occlusion maneuver**

Abstract Presenter: Michele Bertoni (Brescia, Italy)

### **Flow-volume loop in asynchronies during support pressure ventilation**

Abstract Presenter: Purificación Carmona Sánchez (Córdoba, Spain)

### **Predicting patient-ventilator asynchrony with Poisson hidden Markov models**

Abstract Presenter: Rudys Magrans (Sabadell, Spain)

### **Comparison of occlusion pressure measured at 100 ms with Evita XL ventilator, at airway opening and from esophageal pressure in patients at the time of weaning from invasive mechanical ventilation**

Abstract Presenter: Mehdi Mezidi (Lyon, France)

## Scientific Programme

Poster Corner  
09:10 - 11:10

Poster corner

### Haemodynamic therapy in ICU

Chair: Didier Payen de la Garanderie (Paris, France)  
Chair: Iwan Van der Horst (Groningen, Netherlands)

**Comparison between obese and non-obese populations who have undergone heart surgery regarding bleeding, polytransfusion and bleeding-related reoperation**

Abstract Presenter: Elena Trujillo García (Málaga, Spain)

**Vascular closure device angioseal for femoral percutaneous catheterization: assessment of security**

Abstract Presenter: Ana Maria Garcia Bellon (Malaga, Spain)

**Comparative study of three therapeutic strategies in patients admitted to the ICU due to symptomatic bradycardia: temporary transvenous pacemaker (TTVP) vs chronotropic drugs (C+) vs observation (OBS)**

Abstract Presenter: Javier Romo (Guadalajara, Spain)

**Desmopressin, as a hemostatic agent, should always be given with tranexamic acid ? A pilot study**

Abstract Presenter: Georgia Fotopoulou (Athens, Greece)

**Short term mechanical circulatory assist devices placement: preliminary results after five years follow-up**

Abstract Presenter: Alvaro Jesus Roldan Reina (Seville, Spain)

**Albumin versus saline fluid resuscitation in patients with venoarterial extracorporeal membrane oxygenation (va-ECMO): a propensity score matched study**

Abstract Presenter: Dawiid Staudacher (Freiburg i. Br., Germany)

**Intra- aortic balloon pump induced venous oxygen saturation changes after cardiac surgery**

Abstract Presenter: Ayman Mohamed (Doha, Qatar)

**Outcomes in patients with fulminant myocarditis treated with mechanical circulatory support**

Abstract Presenter: Aymen Zayene (Lille, France)

**Left ventricular assist device implantation in patients with cardiogenic shock: is prior stabilization with Extracorporeal Life Support beneficial?**

Abstract Presenter: Kevin Pilarczyk (Rendsburg, Germany)

**The management of renal involvement in chronic heart failure**

Abstract Presenter: Emna Rachdi (La Marsa, Tunisia)

**Fibrinolytic therapy vs angioplasty. Are there more complications depending on the choice of reperfusion technique?**

Abstract Presenter: María Morales (Huelva, Spain)

**Descriptive analysis of pre-hospital fibrinolytic therapy vs. in-hospital in ST-elevated myocardial infarction (STEMI)**

Abstract Presenter: María Morales Navarrete (Huelva, Spain)

**Hemodynamic changes during initial resuscitation of critical burn patients with inhalation injury**

Abstract Presenter: Lucia Cachafeiro (Madrid, Spain)

## Scientific Programme

**Review of practice and outcomes in cardiac output monitor guided management of high dose norepinephrine requiring septic shock in a tertiary ICU**

Abstract Presenter: Michela Di Pierro (Cambridge, United Kingdom)

**The prognostic value of cardiac power output in septic patients**

Abstract Presenter: Beliz Bilgili (Istanbul, Turkey)

**Hemodynamic response of fixed-dose dobutamine in patients with severe cardiogenic shock**

Abstract Presenter: Petr Ostadal (Prague, Czech Republic)

**Haemodynamic effects of disconnection from the "advanced organ support" (ADVOS): the HAEMADVOS-II-study evaluating the "re-transfusion volume challenge option" (REVOLUTION)**

Abstract Presenter: Wolfgang Huber (Munich, Germany)

Poster Corner  
09:10 - 11:10

Poster corner

## Predicting unwanted outcomes

Chair: Barbara Borgatta (Oxford, United Kingdom)  
Chair: George Dimopoulos (Athens, Greece)

**Impact of Kaizen methodology (Lean Health Care) on the intra-hospital management of acute stroke**

Abstract Presenter: Sebastian Valenzuela (Barcelona, Spain)

**Quality improvement program outcomes for endotracheal intubation in the emergency department**

Abstract Presenter: Min Gyun Kim (Seoul, Korea, Republic of)

**Human failures and ineffective communications in the patient safety events related to the use of mechanical ventilation for the hospitalized patients: an exploration of the institutional incident reporting system of a medical center**

Abstract Presenter: Jih-Shuin Jerng (Taipei, Taiwan, Province of China)

**Residents' and nurses' attitudes to a rapid response team in a tertiary hospital**

Abstract Presenter: Dong Seon Lee (Seongnam, Korea, Republic of)

**Golden hour for ICU admission - don't get late!**

Abstract Presenter: Valter Loureiro (Faro, Portugal)

**Can we improve the quality of critical care referrals?**

Abstract Presenter: Nicole Robin (Chester, United Kingdom)

**Health professionals' perception of head-of-bed elevation in patients on mechanical ventilation**

Abstract Presenter: Alberto Hil Furtado Jr (Fortaleza, Brazil)

**Quality improvement project on patient diary in intensive care unit to build the picture on critical illness events for the road of survival and rehabilitation**

Abstract Presenter: Amy Chan-Dominy (London, United Kingdom)

**A 25 year retrospective analysis of the age of patients and length of stay in a single district general mixed medical/surgical critical care unit in the UK**

Abstract Presenter: Nicola Raeside (Redhill, United Kingdom)



## Scientific Programme

### **High frequency of severe burnout syndrome in health care professionals at ICU and stepdown unit**

Abstract Presenter: Carolina S A Azevedo Castro (São Paulo, Brazil)

### **Characteristics and evolution of patients of long stay in a polyvalent ICU throughout 15 years**

Abstract Presenter: Josep Trenado Alvarez (Terrassa, Spain)

### **Reliability of free open-access medical education for intensive care procedures**

Abstract Presenter: Jonathan Braviner (Newcastle upon Tyne, United Kingdom)

### **Healthcare workers and nursing students' attitudes and beliefs during an influenza pandemic**

Abstract Presenter: Borja Nicolas Santana-Lopez (Las Palmas de Gran Canaria, Spain)

### **Evaluation of SAPS-3 score in patients older than 80 years. Impact on the mortality of the previous functional situation**

Abstract Presenter: Maria Dolores Pola-Gallego-de-Guzmán (Jaen, Spain)

### **Daytime and its association with risk of death and chance of discharge in critically ill patients: a retrospective study**

Abstract Presenter: Paul Zajic (Graz, Austria)

### **The quality of life after ICU study: a prospective, multicenter, cohort study for the evaluation of long-term outcomes among general ICU survivors in Brazil**

Abstract Presenter: Regis Goulart Rosa (Porto Alegre, Brazil)

### **Renal insufficiency in intensive care unit patients: clinical characteristics and outcome**

Abstract Presenter: Manoela Sousa (Atibaia, Brazil)

Poster Corner  
09:10 - 11:10

Poster corner

## **Recovery from critical illness**

Chair: Geeta Mehta (Toronto, Canada)  
Chair: Kathy Rowan (London, United Kingdom)

### **Characteristics and outcomes of very elderly patients admitted to a Tunisian intensive care unit**

Abstract Presenter: Mohamed Boussarsar (Sousse, Tunisia)

### **Prevalence and impact of frailty on intensive care unit outcomes**

Abstract Presenter: Luke Hodgson (Southampton, United Kingdom)

### **The SOFA score dynamics and mortality prediction among trauma and non-trauma patients**

Abstract Presenter: Bruno Martins Tomazini (São Paulo, Brazil)

### **Assessment of lactate concentration as a co-predictor with the APACHE-IV scoring system**

Abstract Presenter: M.W.N. Nijsten (Groningen, Netherlands)

### **The use of SOFA, SAPS 3 and C-reactive protein (CRP)/Albumin ratio to predict mortality in surgical critically ill patients**

Abstract Presenter: Alessandra Fabiane Lago (Ribeirão Preto, Brazil)

## Scientific Programme

**Comparisons of prognostic accuracy of two early warning scoring systems with qSOFA and SOFA scores to predict mortality in sepsis patients**

Abstract Presenter: Bodin Khwannimit (Hat Yai, Thailand)

**The role of platelet distribution width in predicting mortality in critically ill patients**

Abstract Presenter: Alberto Fogagnolo (Ferrara, Italy)

**The use of SAPS 3, SOFA and Glasgow Coma Scale to predict mortality in patients with Subarachnoid Hemorrhage (SAH)**

Abstract Presenter: Alessandra Fabiane Lago (Ribeirão Preto, Brazil)

**Is there a decrease in the amount of in-hospital cardiac arrest (IHCA) after the instauration of an activation score for the Rapid Response Team (RRT) in a tertiary hospital?**

Abstract Presenter: Adriana Sánchez Ginés (Girona, Spain)

**Accuracy of critical care prognostic scores for intra-ICU mortality in early postoperative period of patients submitted to coronary artery bypass graft surgery**

Abstract Presenter: Angela Bezerra (Campinas, Brazil)

**The C-reactive protein/albumin ratio as a predictor of mortality in critically ill patients**

Abstract Presenter: Ah Young Leem (Seoul, Korea, Republic of)

**Prospective study of use of difference of day 1 and day 3 Sofa Score (Delta-Sofa) for outcome prediction in patients with sepsis**

Abstract Presenter: Subhal Dixit (Pune, India)

**How effective are metabolic markers in predicting mortality and length of stay in patients admitted into intensive care in comparison to existing scoring tools APACHE II and ICNARC?**

Abstract Presenter: Taha Khan (Brighton, United Kingdom)

**Accuracy of adding age in Sequential Organ Failure Assessment score for intra-ICU mortality prediction in postoperative myocardial revascularization surgery patients**

Abstract Presenter: Alexandre Barros (Campinas, Brazil)

**Implementation of an electronic early warning scoring system on a surgical ward: practical use and effects on patient outcomes**

Abstract Presenter: Eveline Mestrom (Eindhoven, Netherlands)

Poster Corner  
09:10 - 11:10

Poster corner

## Preventing ICU infections

Chair: Jordi Rello (Barcelona, Spain)  
Chair: Claire Roger (Nimes, France)

**Hand hygiene compliance at intensive care units: a prospective observational study**

Abstract Presenter: Magdalena Hoffmann (Graz, Austria)

**Impact of subglottic secretion drainage on microaspiration in critically ill patients: a prospective observational study**

Abstract Presenter: Guillaume Millot (Lille, France)

## Scientific Programme

**Comparison of hand rub with super-oxidised water & alcohol-based chlorhexidine for hand hygiene of healthcare workers in trauma ICU to prevent nosocomial infections: a single-centric, prospective, single-blinded, cross-over, clinical comparative interventional study**

Abstract Presenter: Badri Prasad Das (Varanasi, India)

**Application of zero resistance project in a intensive care unit. A preliminar study**

Abstract Presenter: Francisco Molina Cabrero (Albacete, Spain)

**Collaboration between ward pharmacists and infection control team for the appropriate antimicrobial use in the emergency medical center**

Abstract Presenter: Takakiyo Tatsumichi (Kagawa, Japan)

**Application of enteral topic 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)

**Ventilator associated pneumonia surveillance results before and after use of closed aspiration system in intensive care unit**

Abstract Presenter: Hulya Basar (Ankara, Turkey)

**Six 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)

**Compliance with hand hygiene guidelines in the context of glove usage**

Abstract Presenter: Christian Siebers (Munich, Germany)

**Effectiveness of disinfectant foot mat on incidence of surface, air colonization and hospital acquired infections in ICU of a tertiary care hospital in western India**

Abstract Presenter: Ruchira Khasne (Nashik, India)

**An interventional program to reduce bacterial colonization rates of mobile phones carried by health care workers in intensive care units**

Abstract Presenter: Hernan Aguirre-Bermeo (Cuenca, Ecuador)

**A practices-in-prevention and active surveillance survey of Ventilator Associated Pneumonia (VAP) across four London ICUs**

Abstract Presenter: Nirav Shah (London, United Kingdom)

**Influence of prevention programs (ZERO projects) on the incidence of pneumonia associated with mechanical ventilation (VAP) in critically ill cardiac patients admitted to the Spanish ICU from the National Registry ENVIN-HELICS**

Abstract Presenter: Almudena Escriba Barcena (Fuenlabrada, Spain)

**Endotracheal tubes with sub-glottic suction ports to reduce suspected ventilator-associated pneumonia... are our ICU patients worth it?**

Abstract Presenter: Robert Hart (Glasgow, United Kingdom)

**Influence of the Zero protocols and their patient safety protocol in catheter-associated urinary infection**

Abstract Presenter: María Guerrero (Jaén, Spain)

**Oral model infusion of chlorhexidine. A novel method for prevention of bacterial colonization**

Abstract Presenter: Amr Omar (Doha, Qatar)

## Scientific Programme

Poster Corner  
09:10 - 11:10

Poster corner

### Nutrition in ICU

Chair: Michael Hiesmayr (Vienna, Austria)  
Chair: Steffen Weber-Carstens (Berlin, Germany)

**The predisposing factors of nutritional insufficiency for postoperative patients in surgical intensive care unit**

Abstract Presenter: Jin Joo Kim (Seoul, Korea, Republic of)

**Enteral nutrition in critically ill patients undergoing vasoactive drugs therapy. The nutrivad study: preliminary results**

Abstract Presenter: Jose Luis Flordelís Lasierra (Leganés, Madrid, Spain)

**NUTRIC core: validation of clinical nutritional score using SAPS II and c-reactive protein**

Abstract Presenter: Tiago Petrucci (Lisbon, Portugal)

**Risk factors of enteral feeding intolerance in the intensive care setting in US and Europe: literature review**

Abstract Presenter: Jorge Puelles (London, United Kingdom)

**Pectin-containing liquid enteral nutrition for critical care: a historical control and propensity score matched study**

Abstract Presenter: Nakamura Kensuke (Ibaraki, Japan)

**Effectiveness of early goal-directed enteral nutrition in emergency and medical intensive care unit**

Abstract Presenter: Naoyuki Matsuda (Nagoya, Japan)

**What about nutritional status in patients with diabetes in intensive care unit?**

Abstract Presenter: Avsar Zerman (Adana, Turkey)

**Fullfillment of enteral nutritional requirements before and after the implementation of ASPEN guidelines 2016 in a mexican intensive care unit**

Abstract Presenter: Marco Antonio Toledo Rivera (Mexico City, Mexico)

**The implementation of nutritional administration protocols in surgical intensive care unit Siriraj Hospital**

Abstract Presenter: Pornrat Chinda (Bangkok, Thailand)

**We could do better? Implementation of enteric nutrition protocol**

Abstract Presenter: Gloria Campello (Portimão, Portugal)

**Enteral nutrition delivery in a tertiary cardiothoracic ICU: a quality improvement project**

Abstract Presenter: Mantej Sehmbhi (London, United Kingdom)

**The impact of basic nutritional parameters on the prognosis of sepsis patients**

Abstract Presenter: Ramón Cicuéndez Ávila (Valladolid, Spain)

Abstract Presenter: Gloria Renedo Sánchez-Girón (Valladolid, Spain)

**Elemental vs polymeric early enteral nutrition in ICU patients: does elemental feeding improves tolerance and outcome?**

Abstract Presenter: Maria Theodorakopoulou (Athens, Greece)

**Aplication of a protocol for the management of constipation in the intensive care unit of the General Hospital of Albacete: analysis and results**

Abstract Presenter: Elena Simón Polo (Albacete, Spain)

## Scientific Programme

### **Prevalence of electrolyte disorders in ICU and its correlation with mortality**

Abstract Presenter: Jussara Gomez (Passo Fundo, Brazil)

### **Nutritional therapy for patients admitted to Intensive care at Landspítali, the National University Hospital of Iceland**

Abstract Presenter: Hrönn Birgisdóttir (Reykjavík, Iceland)

### **The relationship between base excess unmeasured anions and postoperative outcomes in living donor liver transplantation candidates**

Abstract Presenter: Hakan Korkut Atalan (Istanbul, Turkey)

Poster Corner  
09:10 - 11:10

Poster corner

## **Modifying sedation to improve outcome**

Chair: Louise Rose (Toronto, Canada)

Chair: Jacob Steinmetz (Copenhagen, Denmark)

### **Epidural analgesia in patients who have undergone video-assisted thoracoscopic surgery prevents a breakthrough pain in the intensive care unit**

Abstract Presenter: Jun Suzuki (Sendai, Japan)

### **Changes in duration of mechanical ventilation after application of the sedation protocol in ICU**

Abstract Presenter: Ji Wook Kim (Seongnam-si, Korea, Republic of)

### **Sedation and analgesia practice variation: a meta-analysis of observational cohort studies**

Abstract Presenter: Lara Prisco (Oxford, United Kingdom)

### **The effect of melatonin administration on sedation level as adjuvant to propofol in traumatic brain injury patients**

Abstract Presenter: Mahmoud Soliman (Cairo, Egypt)

### **Depth of long term ICU sedation under 0,5 MAC isoflurane, sevoflurane or desflurane using MIRUS, an automated delivery system for volatile anaesthetics**

Abstract Presenter: Adrian Iustin Georgevici (Bochum, Germany)

### **Comparison between dexmedetomidine and fentanyl infusion for short term sedation in mechanically ventilated patients in intensive care unit**

Abstract Presenter: G J Himaaldev (Bangalore, India)

### **Pain study - correlation between objective and subjective pain assessments by the multidisciplinary team**

Abstract Presenter: Mateus Otero (Salvador, Brazil)

### **Implementation of a new sedation hold protocol**

Abstract Presenter: Shalini Shankla (Hastings, St Leonards-on-Sea, United Kingdom)

### **Factors associated with probable withdrawal syndrome in trauma intensive care unit patients**

Abstract Presenter: Carmen Mabel Arroyo-Novoa (San Juan, Puerto Rico)

### **Sevoflurane sedation in ICU ward using a Mirus™ system: an innovative methodology**

Abstract Presenter: Flavio Bassi (Pordenone, Italy)

## Scientific Programme

### **Iatrogenic opioid withdrawal syndrome in critically ill patients: a retrospective cohort study**

Abstract Presenter: Dong-Gon Hyun (Seoul, Korea, Republic of)

Poster Corner  
09:10 - 11:10

Poster corner

## Scoring for sepsis identification

Chair: Claude Martin (Marseille, France)

Chair: Konrad Reinhart (Jena, Germany)

### **Comparison of SIRS and qSOFA for predicting infection-induced organ dysfunction**

Abstract Presenter: Sanjay Parashar (Kansas City, United States)

### **Sepsis-3 definitions of septic shock are not only associated with higher disease severity but with differences in type and origin of infection**

Abstract Presenter: Daniel Thomas-Rüddel (Jena, Germany)

### **Comparison of capillary leak index versus traditional ICU scoring systems**

Abstract Presenter: Paul Palacios Moguel (Mexico City, Mexico)

### **An investigation of the discriminative value of PRESEP as a pre-hospital screening tool for diagnosing sepsis or identifying high mortality risk in a cohort of infected patients identified pre-hospital**

Abstract Presenter: Laura Smith (Hove, United Kingdom)

### **A prospective cohort study of the Quick Sequential Organ Failure Assessment (qSOFA) score versus the Systemic Inflammatory Response Syndrome (SIRS) criteria in the determination and prognostication of sepsis in a Philippine tertiary hospital**

Abstract Presenter: Stephanie Rachel C. Ang (Pasig City, Philippines)

### **Clinical impact of body mass index and lymphocytic count on clinical outcomes in septic patients in a critical care unit: chronic inflammation as a protective factor?**

Abstract Presenter: Alma Rosa Contreras Contreras (Mexico City, Mexico)

### **Comparison of sepsis biomarkers in critical patients upon admission to the emergency room**

Abstract Presenter: Kenichi Katabami (Sapporo, Japan)

### **Epidemiology, patterns of care, and in-hospital mortality for patients with severe sepsis in ICUs in Japan: the FORECAST study**

Abstract Presenter: Toshikazu Abe (Tokyo, Japan)

### **The biological evidence for the use of SOFA score on sepsis definition**

Abstract Presenter: Ramon Costa (São Paulo, Brazil)

### **Red-flag sepsis and SOFA identify different patient populations at risk of sepsis-related deaths on the general wards**

Abstract Presenter: Maja Kopczynska (Cardiff, United Kingdom)

### **Usefulness of hyperprocalcitonemia as a support to the decision to enter the ICU in patients with activation of the sepsis code**

Abstract Presenter: Alejandro Cortes Herrera (Barcelona, Spain)

### **The frequency and clinical significance of thrombocytopenia complicating sepsis: a meta-analysis**

Abstract Presenter: Ruilan Wang (Shanghai, China)

## Scientific Programme

### **Evaluation of qSOFA and NEWS2 for sepsis detection and of the improvement of adding heparin-binding protein plasma levels to screening scores**

Abstract Presenter: Lisa Mellhammar (Lund, Sweden)

### **Biomarkers of infection versus systemic inflammation in burn patients**

Abstract Presenter: Natalia Valero (Getafe, Spain)

### **Evolution in the identification and early treatment of critically ill septic patients at the emergency department of a Spanish tertiary hospital**

Abstract Presenter: Laura Anguela-Calvet (L'Hospitalet de Llobregat, Spain)

### **Sepsis-3 diagnostic criteria as a tool to predict hospital mortality in critically-ill patients: a validation study in developing country**

Abstract Presenter: Petch Wacharasint (Bangkok, Thailand)

### **Does peripheral circulating blood flow correlate with the quick SOFA score in emergency room patients?**

Abstract Presenter: Takahashi Kazunori (Yamagata, Japan)

Simulation Centre  
09:15 - 10:15

Simulation Centre - Mechanical Ventilation Area

## Mechanical ventilation area

#lung

### **Case scenario - Monitoring of patient-ventilator interaction at the bedside**

**09:15**

Speaker: Lise Piquilloud (Lausanne, Switzerland)

Speaker: Leo Heunks (Nijmegen, Netherlands)

Simulation Centre  
09:15 - 10:15

Simulation Centre - TEE/TOE Area

## TEE/TOE area

#cardio

### **Hands-on**

**09:15**

Speaker: Xavier Repesse (Paris, France)

Speaker: Bernard Cholley (Paris, France)

Simulation Centre  
09:15 - 10:45

Simulation Centre - Basics of Bronchoscopy in ICU Area

## Basics of bronchoscopy in ICU area

#lung

## Scientific Programme

### Hands-on

09:15

Speaker: Rahul Costa-Pinto (Melbourne, Australia)  
Speaker: Cristina Santonocito (Palermo, Italy)  
Speaker: Victoria Bennett (London, United Kingdom)

Simulation Centre  
09:15 - 10:45

Simulation Centre - ECMO Area

### ECMO area

#cardio

### Hands-on

09:15

Speaker: Emric Besnard (Paris, France)  
Speaker: Hugo Guillou (Paris, France)  
Speaker: Sabine Valera (Marseille, France)  
Speaker: Dinis Reis Miranda (Groningen, Netherlands)  
Speaker: Anne-Sophie Lequeulx (Paris, France)

NEXT Lounge  
09:30 - 10:30

NEXT Lounge

### NEXT Blackboard lecture

#ESICMNEXT

Chair: Paul Abraham (Lyon, France)  
Chair: Manuel Mendoza Ruano (Las Palmas de Gran Canaria, Spain)

### Understanding the role of vitamin D in critical illness

09:30

Speaker: Kenneth Christopher (Boston, United States)

Interactive Debates  
09:45 - 10:45

Interactive Debates

### Should we manage severe hypoxaemia with extracorporeal life support?

#lung

Chair: Antonio Pesenti (Milan, Italy)

### Debate

09:45

Speaker: Alain Combes (Paris, France)  
Speaker: Jean-Daniel Chiche (Paris, France)  
Speaker: Dirk Donker (Utrecht, Netherlands)



## Scientific Programme

Tech Lounge  
10:00 - 11:15

Tech Lounge

### Protecting the patient while using the data: Ethical & confidentiality considerations

#tech

Chair: Theodoros Kyprianou (Nicosia, Cyprus)  
Chair: Cecilia Akerlund (Stockholm, Sweden)

<b>Data privacy &amp; GDPR</b>	<b>10:00</b>
Speaker: Theodoros Kyprianou (Nicosia, Cyprus)	
<b>Using identifiable data - The ethical considerations</b>	<b>10:15</b>
Speaker: Andrej Michalsen (Tettang, Germany)	
<b>Discussion</b>	<b>10:30</b>

Oral Presentations  
10:10 - 11:25

Paris

### Cardiovascular monitoring

Chair: Jan Bakker (Rotterdam, Netherlands)  
Chair: Filippo Sanfilippo (Catania, Italy)

<b>Value of inferior vena cava diameter and of pulse pressure variations during tidal volume challenge to predict preload responsiveness in patients ventilated with a low tidal volume</b>	<b>10:10</b>
Abstract Presenter: Temistocle Taccheri (Paris, France)	
<b>Are variations of inferior vena cava measured by a transhepatic way a good tool to predict fluid responsiveness?</b>	<b>10:25</b>
Abstract Presenter: Jean Pierre Ponthus (Villeneuve Saint Georges, France)	
<b>External validation of the Smith &amp; Madigan formula to quantify the final end-diastolic volume of the left ventricle</b>	<b>10:40</b>
Abstract Presenter: Gabriela Patricia Santana Hernandez (Mexico City, Mexico)	
<b>Revisiting the limitations of respiratory variations of pulse pressure or stroke volume as predictors of fluid responsiveness: tidal volume, heart-rate-to-respiratory-rate ratio and respiratory system compliance</b>	<b>10:55</b>
Abstract Presenter: Simon Vistisen (Aarhus, Denmark)	
<b>A novel mitochondrial monitor combining NADH fluorescence and tissue haemoglobin saturation within a single implantable probe</b>	<b>11:10</b>
Abstract Presenter: Christopher Smart (London, United Kingdom)	

Oral Presentations  
10:10 - 11:25

Berlin

### Preclinical studies

Chair: John Laffey (Toronto, Canada)  
Chair: Davide Chiumello (Milan, Italy)

## Scientific Programme

<b>Opposite effects in diaphragm and soleus muscle of mTOR expression and activation, in experimental resistive work of breathing model</b>	<b>10:10</b>
Abstract Presenter: Pablo Cruces (Santiago, Chile)	
<b>Relationships between transpulmonary pressures and computed tomography in experimental ARDS</b>	<b>10:25</b>
Abstract Presenter: Jean-Christophe Richard (Lyon, France)	
<b>Effect of three PEEP strategies on cyclic recruitment-derecruitment in experimental ARDS</b>	<b>10:40</b>
Abstract Presenter: Jean-Christophe Richard (Lyon, France)	
<b>Impact of different positive end-expiratory pressure on lung mechanics, gas exchange and circulation in the setting of saline lavage induced lung injury and moderate intraabdominal hypertension: a pig model</b>	<b>10:55</b>
Abstract Presenter: Emilis Simeliunas (Heidelberg, Germany)	
<b>Metabolic activity in atelectactic regions differs among mechanisms of lung injury</b>	<b>11:10</b>
Abstract Presenter: Takuga Hinoshita (Boston, United States)	

Oral Presentations  
10:10 - 11:25

Barcelona

## Management of patients with sepsis

Chair: Jean-Charles Preiser (Brussels, Belgium)  
Chair: Michael Bauer (Jena, Germany)

<b>Adjunctive intravenous anti-toxin treatment with CAL02 in severe acute community-acquired pneumonia due to Streptococcus pneumoniae. A first-in-man, multicentre, double-blind, placebo-controlled study</b>	<b>10:10</b>
Abstract Presenter: Pierre-François Laterre (Louvain, Belgium)	
<b>Antimicrobial combination therapy in septic patients: a systematic review and meta-analysis</b>	<b>10:25</b>
Abstract Presenter: Gloria Vázquez-Grande (Winnipeg, Canada)	
<b>Lactated ringer versus albumin in early sepsis therapy (The RASP study): a randomized clinical trial</b>	<b>10:40</b>
Abstract Presenter: Ludhmila Hajjar (Sao Paulo, Brazil)	
<b>The restrictive intravenous fluid trail in severe sepsis and septic shock (RIFTS): a pilot study</b>	<b>10:55</b>
Abstract Presenter: Keith Corl (Providence, United States)	
<b>Blood purification and mortality in sepsis and septic shock: a systematic review and meta-analysis of randomized trials</b>	<b>11:10</b>
Abstract Presenter: Alessandro Putzu (Geneva, Switzerland)	

## Scientific Programme

Oral Presentations  
10:10 - 11:25

Geneva

### Haemodynamic therapy

Chair: Glenn Hernandez (Santiago, Chile)  
Chair: Bernd Saugel (Hamburg, Germany)

- |  |              |
|--|--------------|
| <b>Epinephrine and short-term survival in cardiogenic shock: an individual data meta-analysis of 2,583 patients</b>  | <b>10:10</b> |
| Abstract Presenter: Valentine Léopold (Paris, France)  |              |
| <b>Endocan and resolvin D1: two novel biomarkers for the management of acute heart failure?</b>  | <b>10:25</b> |
| Abstract Presenter: Marta Reina-Couto (Porto, Portugal)  |              |
| <b>Positive end-expiratory pressure increases extravascular lung water in acute respiratory distress syndrome</b>  | <b>10:40</b> |
| Abstract Presenter: Francesco Gavelli (Le Kremlin-Bicêtre, France)   |              |
| <b>The impact of connection to the extracorporeal circuit on haemodynamics (transpulmonary thermodilution (TPTD) and pulse contour analysis (PCA)) in patients treated with the ADVOS/HepaWash-device: the HAEMADVOS-I-study</b> | <b>10:55</b> |
| Abstract Presenter: Wolfgang Huber (Munich, Germany)   |              |
| <b>The Index Pressure Pulsatility: a novel useful tool to guide vasopressor therapy in septic shock patients</b>   | <b>11:10</b> |
| Abstract Presenter: Arnaldo Santos (Madrid, Spain)   |              |

Oral Presentations  
10:10 - 11:25

Rome

### Cardiac arrest management

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

- |   |              |
|---|--------------|
| <b>Background EEG reactivity and neurologic outcome after cardiac arrest in a Parisian registry</b>   | <b>10:10</b> |
| Abstract Presenter: Sarah Benghanem (Paris, France)   |              |
| <b>Smartphone video-assisted advanced life support for out-of-hospital cardiac arrest by emergency medical service teams under physician direction</b>        | <b>10:25</b> |
| Abstract Presenter: Donggun Lee (Anyang si, Korea, Republic of)   |              |
| <b>Targeting low-normal vs. high-normal mean arterial pressure after cardiac arrest and resuscitation: a randomized pilot trial (NCT02698917)</b>             | <b>10:40</b> |
| Abstract Presenter: Pekka Jakkula (Helsinki, Finland)   |              |
| <b>Hemodynamic efficiency of an hemodialysis treatment with high cut-off membrane during the early period of post-resuscitation shock: the HYPERDIA trial</b> | <b>10:55</b> |
| Abstract Presenter: Guillaume Geri (Paris, France)  |              |

## Scientific Programme

**Survival and neurological outcome in the elderly after out-of-hospital cardiac arrest** **11:10**  
Abstract Presenter: Tomonao Yoshida (Sapporo, Japan)

Oral Presentations  
10:10 - 11:25

Stockholm

### Advanced diagnosis of AKI

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

**A combined biomarker of fibroblast growth factor 23, erythropoietin and klotho predicts the development of acute kidney injury and development of chronic kidney disease in critical care patients: results of a prospective cohort** **10:10**  
Abstract Presenter: Luis Toro (Santiago, Chile)

**Downregulation of TIMP2 attenuates sepsis-induced acute kidney injury through NFκB pathway** **10:25**  
Abstract Presenter: Yi-Ming Li (Wuhan, China)

**A microRNA signature in Mesenchymal-Stromal/Stem-cell-treated septic murine kidneys** **10:40**  
Abstract Presenter: Niall Filewod (Toronto, Canada)

**Altered renal microcirculation revealed by dynamic contrast-enhanced ultrasound (CEUS) following fluid resuscitation in hemorrhagic shock in pigs** **10:55**  
Abstract Presenter: Bulent Ergin (Amsterdam, Netherlands)

**Systolic blood pressure and lactate levels can predict severe pediatric AKI after cardiac surgery: a machine learning approach** **11:10**  
Abstract Presenter: Stefano Falini (Trieste, Italy)

Oral Presentations  
10:10 - 11:25

Lisbon

### Between the OR and the ICU

Chair: Mike Gillies (Edinburgh, United Kingdom)  
Chair: Ib Jammer (Bergen, Norway)

**Unplanned ICU admission from the operating room after major noncardiac surgery** **10:10**  
Abstract Presenter: Suneerat Kongsayreepong (Bangkok, Thailand)

**Impact of crystalloid versus colloid solutions on renal function and disability after major abdominal surgery: long-term follow-up of a double-blind randomized controlled trial** **10:25**  
Abstract Presenter: Amelie Delaporte (Brussels, Belgium)

## Scientific Programme

<b>Evaluation of accuracy of noninvasive haemoglobin estimation by pulse-oximetry during major surgical haemorrhage</b>	<b>10:40</b>
Abstract Presenter: Sheila Nainan Myatra (Mumbai, India)	
<b>Indirect measurement of respiratory quotient in non-cardiac high risk surgery is a predictor of postoperative complications</b>	<b>10:55</b>
Abstract Presenter: Stéphane Bar (Amiens, France)	
<b>Results of the randomized, double-blind, placebo-controlled, Phase 3 HERCULES Study of caplacizumab in patients with acquired thrombotic thrombocytopenic purpura</b>	<b>11:10</b>
Abstract Presenter: Paul Coppo (Paris, France)	

Oral Presentations  
10:10 - 11:25

Athens

### Muscle weakness in ICU

Chair: Manu Malbrain (Antwerp, Belgium)  
Chair: Stefan Schaller (Munich, Germany)

<b>Impact of myostatin in intensive care unit acquired weakness</b>	<b>10:10</b>
Abstract Presenter: Tobias Wollersheim (Berlin, Germany)	
<b>Excluding early deaths: posthoc analysis from the VITdAL-ICU study</b>	<b>10:25</b>
Abstract Presenter: Gennaro Martucci (Palermo, Italy)	
<b>Intra- and interrater reliability for ultrasound measurements of fat and muscle thickness in 120 non-critically ill patients: the USVALID prospective trial</b>	<b>10:40</b>
Abstract Presenter: Arabella Fischer (Vienna, Austria)	
<b>Correlation between accumulated caloric deficit and delta of quadriceps thickness measured by ultrasound in critically ill patients</b>	<b>10:55</b>
Abstract Presenter: Teresita González Contreras (Mexico City, Mexico)	
<b>Prevalence of sarcopenia in a single institution adult intensive care unit and its clinical outcome</b>	<b>11:10</b>
Abstract Presenter: Fadhil Hadi Jamaluddin (Kuala Lumpur, Malaysia)	

Oral Presentations  
10:10 - 11:25

Vienna

### Critical care organisation

Chair: Dylan de Lange (Utrecht, Netherlands)  
Chair: Jerry Zimmerman (Seattle, United States)

<b>Prevalence and risk factors for ICU burnout syndrome among Thai intensivists and ICU nurses</b>	<b>10:10</b>
Abstract Presenter: Petch Wacharasint (Bangkok, Thailand)	

## Scientific Programme

<b>Effect of sepsis diagnosis at nighttime and weekends on adherence to treatment guidelines in Brazil: a multicenter retrospective cohort study</b>	<b>10:25</b>
Abstract Presenter: Luciano Cesar Pontes de Azevedo (Sao Paulo, Brazil)	
<b>Simulation for ICU transition - assessment and Re-evaluation (SITAR)</b>	<b>10:40</b>
Abstract Presenter: Swapnil Pawar (Sydney, Australia)	
<b>Central line unit: a new activity outside of the ICU</b>	<b>10:55</b>
Abstract Presenter: Elena Palleja Gutierrez (Sevilla, Spain)	
<b>Evaluation of rapid response team contact rate between day time and night time on surgical wards</b>	<b>11:10</b>
Abstract Presenter: Moonsuk Choi (Seoul, Korea, Republic of)	

Oral Presentations  
10:10 - 11:25

Glasgow

### Expanding clinical practice in ICU

Chair: Carole Boulanger (Exeter, United Kingdom)  
Chair: Gisela Lilja (Lund, Sweden)

<b>Effect of nurse led intervention to reduce post traumatic stress symptoms in patients discharged after intensive care treatment</b>	<b>10:10</b>
Abstract Presenter: Åse Valsø (Oslo, Norway)	
<b>Towards the acoustical characterisation of an intensive care unit</b>	<b>10:25</b>
Abstract Presenter: Deborah Dawson (London, United Kingdom)	
<b>Learning from within: a quality improvement programme to identify and address key themes for successful critical care rehabilitation</b>	<b>10:40</b>
Abstract Presenter: Sarah Bean (Truro Cornwall, United Kingdom)	
<b>Prevalence of early mobilization and its effects within the intensive care unit</b>	<b>10:55</b>
Abstract Presenter: Paulo Ricardo Marques Filho (Porto Alegre, Brazil)	
<b>Pre-extubation ultrasonographic measurement of intracricoid peritubal free space: a novel parameter to predict postextubation airway obstruction in children</b>	<b>11:10</b>
Abstract Presenter: Arun Kumar Baranwal (Chandigarh, India)	

Unplugged Session  
10:30 - 11:00

Arena

### Julia Wendon Unplugged

#metabolic

Chair: Carole Ichai (Nice, France)

<b>Challenges of liver failure in the ICU 2018</b>	<b>10:30</b>
Speaker: Julia Wendon (London, United Kingdom)	

## Scientific Programme

NEXT Lounge  
10:30 - 11:30

NEXT Lounge

### NEXT 2025: The future of Intensive Care

#ESICMNEXT

Chair: Nishkantha Arulkumaran (London, United Kingdom)  
Chair: Gennaro De Pascale (Rome, Italy)

#### Is it all about good bugs? Microbiome and critical illness

10:30

Speaker: Antoni Torres (Barcelona, Spain)  
Speaker: Ignacio Martin-Loeches (Dublin, Ireland)

Interactive Debates  
11:00 - 12:00

Interactive Debates

### Who is working in our unit in 2030?

```
<table border="0" cellpadding="0" cellspacing="0" width="64">
<tbody>
<tr height="20">
<td height="20" width="64">#ethic</td>
</tr>
</tbody>
</table>
```

Chair: Massimo Antonelli (Rome, Italy)

#### Debate

11:00

Speaker: Ruth Kleinpell (Chicago, United States)  
Speaker: Jozef Kesecioglu (Utrecht, Netherlands)  
Speaker: Heatherlee Bailey (Durham, United States)

Arena  
11:10 - 12:20

Arena

### Improving patient care

Chair: Jean-Louis Vincent (Brussels, Belgium)  
Chair: Dominique Benoit (Ghent, Belgium)

#### Reducing administrative burden: a core set of quality indicators for effective quality improvement and efficient accountability

Abstract Presenter: Marieke Zegers (Nijmegen, Netherlands)

#### Association between burnout syndrome, emotional stress, suicidal thought and substance abuse in critical care professionals

Abstract Presenter: Ahtziri Yunuén Rodríguez Santos (Mexico, Mexico)

#### Using patient and staff experience to maximise empathy in acute care: the Patient Experience And Reflective Learning (PEARL) project

Abstract Presenter: Olivia Brookes (Birmingham, United Kingdom)

## Scientific Programme

**Gaps between the expectations and perceptions of the patients and their families about the quality of healthcare service of a dedicated weaning unit for patients with prolonged mechanical ventilation: a study to investigate the needs and experience of the patients and their families**

Abstract Presenter: Jih-Shuin Jerng (Taipei, Taiwan, Province of China)

**Impact of policy of extended visits at intensive care unit on the family and professionals' satisfaction**

Abstract Presenter: Domingo Díaz Díaz (Madrid, Spain)

**What information do ICU relatives want in the waiting room?**

Abstract Presenter: Darius Zeinali (Chester, United Kingdom)

**Psychological symptoms in relatives of ICU-patients: a multi-centre study**

Abstract Presenter: Magdalena Hoffmann (Graz, Austria)

**What is the patients' physical, cognitive and mental status before ICU admission?**

Abstract Presenter: Wytse Geense (Nijmegen, Netherlands)

**Prognostic relevance of increased muscle echogenicity detected by ultrasound to predict intensive care unit-acquired weakness, weaning failure and outcome in critically ill patients: a longitudinal observational study**

Abstract Presenter: Johannes Ehler (Rostock, Germany)

**Ultrasonography-guided post-pyloric feeding tube insertion in medical intensive care patients**

Abstract Presenter: Uğur Özdemir (Ankara, Turkey)

Poster Corner  
11:10 - 13:10

Poster corner

## ARDS

Chair: Jesus Villar (Las Palmas de Gran Canaria, Spain)  
Chair: Alexandre Demoule (Paris, France)

**Optimal duration of prone positioning in patients with acute respiratory distress syndrome: a protocol for systematic review and meta-regression**

Abstract Presenter: Tetsuro Kamo (Tochigi, Japan)

**Videothoracoscopic lung biopsy in acute respiratory distress syndrome: a single centre experience**

Abstract Presenter: Diana Latasa (Rosario, Argentina)

**Neuromuscular blocking agents as adjuvant therapy in patients with severe ARDS: asystematic review and meta-analysis**

Abstract Presenter: Ludhmila Hajjar (Sao Paulo, Brazil)

**Impact of major comorbidities in patients with Acute Respiratory Distress Syndrome: insights from the LUNG SAFE study**

Abstract Presenter: Emanuele Rezoagli (Monza, Italy)

**The impact of positive intrathoracic pressure on kidney failure in patients with ARDS**

Abstract Presenter: Lina Marcela Polanco (Madrid, Spain)



## Scientific Programme

**Comparison of three methods to measure the mechanical power in patients with the acute respiratory distress syndrome**

Abstract Presenter: Bruno Louis (Creteil, France)

**Predicting the pREsence and the impact of Diffuse Alveolar Damage Through open lung biopsy in acute respiratORY distress syndrome - The PREDATOR Study**

Abstract Presenter: Pablo Cardinal-Fernández (Madrid, Spain)

**Efficacy of prone ventilation on ARDS in patients with abdominal surgery - therapeutic evaluation by CT findings**

Abstract Presenter: Masayuki Akatsuka (Sapporo, Japan)

**Review of the patients with moderate-severe acute respiratory distress syndrome in a polivalent ICU of a third level hospital**

Abstract Presenter: Emilia Rosas (Madrid, Spain)

**Impact of gender in patients with Acute Respiratory Distress Syndrome: insights from the LUNG SAFE study**

Abstract Presenter: Emanuele Rezoagli (Monza, Italy)

**High C-reactive protein as a marker of prognosis in ARDS patients**

Abstract Presenter: Susana Mendes Fernandes (Lisboa, Portugal)

**Acute respiratory distress syndrome diagnosis and management: assessment of current practice in a tertiary care center intensive care unit**

Abstract Presenter: Michael Mikhaeil, BSc, MD (London, Canada)

**Moderate and severe ARDS: hemodynamic and cardiac effects of an open lung strategy with recruitment maneuver analyzed using echocardiography**

Abstract Presenter: Michel Slama (Amiens, France)

**Ultrasonographic assessment of lung recruitment with two different positive end-expiratory pressure strategies in moderate to severe acute respiratory distress syndrome**

Abstract Presenter: Ahmad Bagheri moghaddam (Mashhad, Iran, Islamic Republic of)

**Effect of prone on PEEP-induced regional static strain in ARDS patients. Preliminary results**

Abstract Presenter: Rodrigo Cornejo (Santiago, Chile)

**Predicting prone withdrawal success in ARDS patients: DP/Cstat index, the role of stretch (PROWISARDS)**

Abstract Presenter: Jose Obeth Montoya Rojo (Mexico City, Mexico)

Poster Corner  
11:10 - 13:10

Poster corner

## Haemodynamic monitoring in the ICU

Chair: Martin Dünser (Linz, Austria)

Chair: Vanina Edul (Buenos Aires, Argentina)

**Left ventricular systolic functions in intensive care, ejection fraction vs aortic velocity time integral**

Abstract Presenter: Khalil Ahmad (Dubai, United Arab Emirates)

## Scientific Programme

**Use of the veno-arterial carbon dioxide gap and arterio-venous oxygen content to guide the resuscitation in liver transplanted patients**

Abstract Presenter: Yasser Nassar (Cairo, Egypt)

**Does respiratory variation in inferior vena cava diameter predict fluid responsiveness: a systematic review and meta-analysis**

Abstract Presenter: Kevin Pilarczyk (Rendsburg, Germany)

**Assessment of stroke volume after cardiac surgery: comparison of transesophageal echocardiography and thermodilution with pulmonary artery catheter**

Abstract Presenter: Kevin Pilarczyk (Rendsburg, Germany)

**Perioperative continuous cardiac monitoring for cardiac surgery**

Abstract Presenter: Robert Barnett (Brisbane, Australia)

**Continuous monitoring of dynamic arterial elastance by pulse pressure contour analysis during the early phase of septic shock**

Abstract Presenter: Pedro Revuelta (Guadalajara, Spain)

**Correlation between peripheral and central venous blood partial pressure of carbon dioxide in critically ill patients with shock**

Abstract Presenter: Thanist Pravitharangul (Bangkok, Thailand)

**Reassessment of the accuracy of cardiac Doppler pulmonary artery pressures measurements in ventilated ICU patients: a simultaneous Doppler-catheterization study**

Abstract Presenter: Yoann Zerbib (Amiens, France)

**Comparison of cardiac output estimation by echocardiography, bioreactance and USCOM. (Ultrasonic Cardiac Output Monitor)**

Abstract Presenter: Julia Cuesta Torres (Mexico City, Mexico)

**Changes in venous-to-arterial carbon dioxide tension after fluid bolus treatment in critically ill patients**

Abstract Presenter: Charalampos Pierrakos (Brussels, Belgium)

**Prediction of fluid responsiveness in the immediate post-operative period of cardiac surgery**

Abstract Presenter: Bernard Benjamin Albano (Quezon City, Philippines)

**Peripheral intravenous analysis (PIVA) for determining fluid responsiveness in post cardiac surgery patients with vasoplegia**

Abstract Presenter: Susan Eagle (Nashville, United States)

**Bayesian analysis for the venous-arterial CO<sub>2</sub> to arterial-venous O<sub>2</sub> content difference ratio in post-resuscitation patients and proposal of a simplified formula**

Abstract Presenter: Arturo Javier Fuentes-Gómez (Mexico City, Mexico)

**A real-time photoplethysmography signal artifacts removal system in ICU**

Abstract Presenter: Yang Chen (Pittsburgh, United States)

**Transthoracic echocardiographic Doppler indexes are a specific but non-sensitive method for predicting pulmonary artery occlusion pressure in the critically ill patient**

Abstract Presenter: Yoann Zerbib (Amiens, France)

**Assessing the accuracy of focused intensive care echocardiography (FICE)**

Abstract Presenter: Stefan Weetman (Redhill, United Kingdom)

## Scientific Programme

### **Time course of bilateral parameters of brain multimodal monitoring during porcine unilateral acute subdural hematoma-induced traumatic brain injury**

Abstract Presenter: Martin Wepler (Ulm, Germany)

Poster Corner  
11:10 - 13:10

Poster corner

## Imaging in the intensive care

Chair: Dirk Donker (Utrecht, Netherlands)  
Chair: Philipp Metnitz (Graz, Austria)

### **Feasibility of a web-based neurocognitive battery for assessing cognitive function in critical illness survivors**

Abstract Presenter: Kimia Honarmand (London, Canada)

### **Development of a critical care rehabilitation clinic at a district general hospital**

Abstract Presenter: Eriko Morino (Kingston-upon-Thames, United Kingdom)

### **The outcomes of inoperable critical ill cancer patients in medical ICU (MICU) is better than expected by prognostic scores**

Abstract Presenter: Olga Obukhova (Moscow, Russian Federation)

### **Benefit of a clinical pharmacist on a German surgical intensive care unit: a controlled interventional study**

Abstract Presenter: Nora Kessemeier (Kassel, Germany)

### **The management of the high commitment human resource practices and its relation with personal satisfaction and the management team's commitment for quality**

Abstract Presenter: Paula Vega Ocaña (Las Palmas de Gran Canaria, Spain)

### **Vital signs alarms in the ICU do not affect noise levels in the ICU**

Abstract Presenter: Jeanette Vreman (Nijmegen, Netherlands)

### **The use of social media as a communication tool for improving standards in critical care: a Norwegian cross-sectional survey**

Abstract Presenter: Antonija Petosic (Oslo, Norway)

### **Visiting polices in critical care area - liberal or restricted**

Abstract Presenter: Kapil Zirpe (Pune, India)

### **Functional status in traumatic brain injury (TBI) patients in the ICU and three months after discharge**

Abstract Presenter: Amaury Cesar Jorge (Cascavel, Brazil)

### **Critical care drug pouch a case to avoid mistakes**

Abstract Presenter: Francesca Rubulotta (London, United Kingdom)

### **Psychocognitive sequelae of ICU care, barriers to recovery, and correlation of post-ICU assessment with 3 months follow up**

Abstract Presenter: Jason Schultz (Rochester, United States)

### **Sarcopenia and adverse outcomes in critically ill surgical patients**

Abstract Presenter: Gilly Bethany Fleming (Kirkcaldy, United Kingdom)

## Scientific Programme

**Right Data, Right Now: developing a big data machine-learning based prediction model to prevent ICU readmission**

Abstract Presenter: Patrick Johannes Thorai (Amsterdam, Netherlands)

**Pessimism in the ICU: do long stays reduce survival?**

Abstract Presenter: Dominic C Marshall (Oxford, United Kingdom)

**Non-pharmacological interventions to prevent or mitigate long- term consequences among ICU survivors: a systematic review**

Abstract Presenter: Wytse Geense (Nijmegen, Netherlands)

**Association between cytomegalovirus DNA detection and clinical outcomes in critically ill adult patients**

Abstract Presenter: David Pérez-Torres (Valladolid, Spain)

Poster Corner  
11:10 - 13:10

Poster corner

## Severity of disease

Chair: Arjen Slooter (Utrecht, Netherlands)  
Chair: Laurent Papazian (Marseille, France)

**Critical care follow up organisation with technology support: a feasibility survey to explore the utility of an “app” based post-critical illness support**

Abstract Presenter: James McKenna (Belfast, United Kingdom)

**Arterial pressure and vasopressor dose as predictors of mortality in patients with distributive shock**

Abstract Presenter: Nathan D. Nielsen (New Orleans, United States)

**Clinical, biochemical and haemodynamic variables as independent predictors of 90-day mortality: the Simple Intensive Care Studies-I**

Abstract Presenter: Bart Hiemstra (Groningen, Netherlands)

**Influence of comorbidity on outcomes in very old patients admitted to the ICU**

Abstract Presenter: Alejandro Ortín (Cartagena, Spain)

**Mobile ICU response team (MIRT), a novel solution to expand undelayed critical care beyond the ICU doors; outcome on mortality and length of stay**

Abstract Presenter: Ali Omranian (Houston, United States)

**Mean arterial pressure and catecholamine-sparing effects of vasopressin in patients with distributive shock in an academic medical center**

Abstract Presenter: Feng Zeng (San Diego, United States)

**Lactate clearance in the burned patient, does it really clarify something?**

Abstract Presenter: Marcelo Aviles Garcia (Madrid, Spain)

**Thriving or surviving, national targets verses regional needs: outcomes for out of hospital cardiac arrests (OHCA) from intensive care in a geographically, architecturally and economically challenged region**

Abstract Presenter: Gemma Lee (Hull, United Kingdom)

## Scientific Programme

**A comparison of healthcare-associated infections caused by multidrug-resistant organism or non-multidrug-resistant organism on mortality, length of stay and hospital costs in patients admitted to the intensive care units: using propensity-score matching**

Abstract Presenter: Wei-Hung Lai (Kaohsiung, Taiwan, Province of China)

**Does the use of brief cognitive-behavioural and mindfulness techniques reduce psychological distress during critical care?**

Abstract Presenter: Christopher Lambert (Cambridge, United Kingdom)

**A feasibility study to assess pre-admission status and six month outcomes of major trauma patients admitted to an intensive care unit (ICU), using the WHO DAS 2.0 - preliminary analysis**

Abstract Presenter: Rebekah Haylett (Oxford, United Kingdom)

**Comparison of lung ultrasound (US) based weaning indices with RSBI: are they helpful?**

Abstract Presenter: Abhinav Banerjee (Jamshedpur, India)

**Ultrasound for determination of right ventricular - pulmonary artery coupling in ICU patients**

Abstract Presenter: Machteld Johanna Boonstra (Amsterdam, Netherlands)

**The added value of the daily presence of a pharmacist within the intensive care unit of a Dutch top-clinical hospital**

Abstract Presenter: Emmy Boerrigter (Tilburg, Netherlands)

**Comparing intravenous unfractionated heparin and subcutaneous low molecular weight heparin as therapeutic anticoagulation on intensive care**

Abstract Presenter: Rebecca Gayner (Bristol, United Kingdom)

**Modification of ICU environment is associated with reduced incidence of delirium - results from the VITALITY study**

Abstract Presenter: Alawi Luetz (Berlin, Germany)

Poster Corner  
11:10 - 13:10

Poster corner

## New research in perioperative medicine

Chair: Matthias Derwall (Aachen, Germany)  
Chair: Tarek Sharshar (Paris, France)

**Association of perioperative variables and the acute respiratory distress syndrome in liver transplant recipients**

Abstract Presenter: Juan G Ripoll (Rochester, United States)

**Intraoperative use of 6% hydroxyethyl starch (130/0.4) and outcome in patients with major surgical haemorrhage: a retrospective study**

Abstract Presenter: Jigeeshu Divatia (Mumbai, India)

**Cerebral oxygenation evaluated by spatially resolved near-infrared spectroscopy shows a clinically small decrease during arthroscopic shoulder surgery with the patient in the beach chair position**

Abstract Presenter: Yusuke Itosu (Sapporo, Japan)

## Scientific Programme

**Operation time of 15 hours or more increases postoperative complications: a retrospective study on extra-long hepatectomy**

Abstract Presenter: Mariko Nagata (Aichi, Japan)

**Intra-operative management of major pancreatic surgery: what matters most?**

Abstract Presenter: Katia Donadello (Verona, Italy)

**Risk factors for postoperative shallow tube depth of nasotracheal tube**

Abstract Presenter: Sun Ok Kim (Suwon, Korea, Republic of)

**Incidence and associated factors of successfully immediate extubation after liver transplantation**

Abstract Presenter: Aphichat Suphathamwit (Bangkok, Thailand)

**Cardiopulmonary exercise testing as a predictor of hospital stay in patients undergoing oesophagogastrectomy**

Abstract Presenter: Michelle Gerstman (London, United Kingdom)

**Evolution and complications in the immediate postoperative of cytoreductive surgery and hyperthermic intraperitoneal chemotherapy (CRS-HIPEC)**

Abstract Presenter: Emilia Rosas Carvajal (Madrid, Spain)

**Monitoring of mitochondrial oxygen tension in the operating theatre: first experiences with the novel COMET monitor**

Abstract Presenter: Mark Wefers Bettink (Rotterdam, Netherlands)

**Intensive care unit management, early morbidity and mortality of patients following cytoreductive surgery with hyperthermic intraperitoneal chemotherapy**

Abstract Presenter: Ana Raquel Monteiro (Coimbra, Portugal)

**The influence of pre-operative physical status on morbidity and mortality of patients undergoing major pancreatic surgery**

Abstract Presenter: Katia Donadello (Verona, Italy)

**Unbalanced fluid administration in liver transplant correlates with postoperative acidosis and chloride load: a single centre perspective**

Abstract Presenter: Anthony Yong Kheng Cordero Ng (Cambridge, United Kingdom)

**Cardiac output monitoring to guide fluid therapy in perioperative renal transplantation: results from a preliminary study**

Abstract Presenter: P. Gaspar da Costa (Lisbon, Portugal)

**Central venous-to-arterial carbon dioxide difference combined with arterial-to-venous oxygen content difference in the early postoperative care following liver transplantation**

Abstract Presenter: Ignacio Saez de la Fuente (Madrid, Spain)

**Impact of vascular procedures on coagulation and fibrinolysis**

Abstract Presenter: Kamil Polok (Kraków, Poland)

Poster Corner  
11:10 - 13:10

Poster corner

## Cardiothoracic & vascular surgery

Chair: Alain Vuylsteke (London, United Kingdom)

Chair: Manuel Ignacio Monge García (Jerez de la Frontera, Spain)

## Scientific Programme

**Lactate-guided therapy after cardiac surgery: a randomized and controlled trial**

Abstract Presenter: Ludhmila Hajjar (Sao Paulo, Brazil)

**The relationship of endothelial glycocalyx with hemodynamic and metabolic parameters during perioperative period of valve surgery**

Abstract Presenter: Mikhail Kirov (Arkhangelsk, Russian Federation)

**Effect of cytoadsorbant device on post-cardio-pulmonary bypass inflammation**

Abstract Presenter: Elettra Poli (Lausanne, Switzerland)

**Factors associated with post-operative complications within a thoracic surgery enhanced recovery pathway**

Abstract Presenter: Yên-Lan Nguyen (Paris, France)

**Comparison of coagulation and fibrinolysis markers concentrations between patients undergoing vascular procedures for abdominal aortic aneurysm, peripheral artery disease and a control group**

Abstract Presenter: Kamil Polok (Kraków, Poland)

**Use of mechanical support with ECMO in refractory respiratory failure due to reperfusion edema during postoperative care of pulmonary endarterectomy**

Abstract Presenter: Pablo Pagliarini Gil (Madrid, Spain)

**Rhabdomyolysis after elective cardiac surgery procedures with the use of cardiopulmonary bypass: a single center study**

Abstract Presenter: Fotini Ampatzidou (Thessaloniki, Greece)

**The effect of ERAS fluid protocol on platelet count and neutrophil-lymphocyte ratio (COP-NLR), mortality and morbidity in resectable lung cancer cases**

Abstract Presenter: Selda Sen (Aydın, Turkey)

**Relationship between hemoglobin level at admission and renal injury during hospital stay and after in patients undergoing cardiac surgery**

Abstract Presenter: Francisco Villagran Ramirez (Granada, Spain)

**Low functional grade of mobilizing capacity predict worse survival to lung transplantation in patients receiving immediate post-transplant pulmonary rehabilitation in intensive care unit**

Abstract Presenter: Nam Eun Kim (Seoul, Korea, Republic of)

**Extra-corporeal membrane oxygenation (ECMO) for refractory cardiogenic shock after adult cardiac surgery: pilot experience in a new referral center**

Abstract Presenter: Juan Carlos Lopez-Delgado (Barcelona, Spain)

**Exploring the use of an innovative technology for pain assessment during mediastinal tube removal in cardiac surgery patients in the intensive care unit: the Nociception Level (NOL) Index<sup>TM</sup>**

Abstract Presenter: Céline Gélinas (Montreal, Canada)

**Evaluation of patients with the diagnosis of vasculitis admitted to a medical ICU**

Abstract Presenter: Ebru Ortac Ersoy (Ankara, Turkey)

**Small-vessel vasculitides patients have the highest mortality among systemic autoimmune diseases patients in intensive care unit: a retrospective study with 5-year follow-up**

Abstract Presenter: Jacek Górka (Kraków, Poland)

**A global ergonomic evaluation of two new generation transport monitors in immersive simulation**

Abstract Presenter: Erwan L'Her (Brest, France)

## Scientific Programme

Poster Corner  
11:10 - 13:10

Poster corner

### Epidemiology & outcome in sepsis

Chair: Flavia R. Machado (São Paulo, Brazil)  
Chair: Philippe Montravers (Paris, France)

**Epidemiology and outcome of source control procedures in critically ill patients with severe intra-abdominal infections**

Abstract Presenter: Kirsten van de Groep (Utrecht, Netherlands)

**Influence of fluid administration in the first ICU day on septic patients mortality. Analysis of an electronic database**

Abstract Presenter: Antonio Naharro-Abellan (Majadahonda, Spain)

**Sepsis-related deaths in the at-risk population on the wards: attributable fraction of mortality in a large point-prevalence study**

Abstract Presenter: Maja Kopczynska (Cardiff, United Kingdom)

**The comparison of infection prevalence, sepsis development, mortality and morbidity rates in traumatic brain injury**

Abstract Presenter: Ilkay Saydere (Mersin, Turkey)

**Differences in the outcomes of patients with sepsis and septic shock admitted to either public or private hospitals in Argentina, a low-middle Income country (LMIC), using Sepsis-3 definitions**

Abstract Presenter: Elisa Estenssoro (La Plata, Argentina)

**Factors associated with mortality in patients with nosocomial infection in a mixed ICU after 6 years of selective digestive decontamination**

Abstract Presenter: Catalina Sánchez Ramírez (Las Palmas de Gran Canaria, Spain)

**Sepsis after elective surgery - a nationwide study on etiology and outcome**

Abstract Presenter: Edda Vesteynsdottir (Reykjavík, Iceland)

**Invasive mechanical ventilation in sepsis and outcome: an observational study**

Abstract Presenter: Ting Yang (Rochester, United States)

**Mortality and resource utilization in patients with community- and hospital-onset sepsis admitted to intensive care units in Japan: a nationwide discharge and administrative claim database study**

Abstract Presenter: Mayuko Tounai (Kamogawa, Japan)

**Association of mortality and circumferential left ventricular strain in ICU septic patients**

Abstract Presenter: Ahtziri Yunuén Rodríguez Santos (Mexico, Mexico)

**Influence on septic shock outcome of previous use of statins**

Abstract Presenter: Rafael Zaragoza (Valencia, Spain)

**Intensive care unit, surgical and medical wards acquired sepsis in a major university hospital**

Abstract Presenter: Gloria Renedo Sánchez-Girón (Valladolid, Spain)

**Factors associated with mortality in patients admitted for influenza A during 2012-2016**

Abstract Presenter: Juan Carlos Lopez-Delgado (Barcelona, Spain)

**Bacteraemia and its treatment in sepsis on the wards: results of a large point-prevalence study**

Abstract Presenter: Paul McNulty (Cardiff, United Kingdom)



## Scientific Programme

**Risk factors associated with septic shock in the emergency department: preliminar report of a multicenter study**

Abstract Presenter: Luis Antonio Gorordo-Delsol (Gustavo A. Madero, Mexico)

**Mortality prediction among sepsis patients using a combination of National Early Warning Score, age, gender and serum lactate levels**

Abstract Presenter: Chie Tanaka (Tokyo, Japan)

**Influence of fluid balance on mortality and duration of mechanical ventilation in septic shock**

Abstract Presenter: Diana Monge Donaire (Zamora, Spain)

Poster Corner  
11:10 - 13:10

Poster corner

### Monitoring tool in sepsis

Chair: Michael Sander (Giessen, Germany)  
Chair: Alexandre Mebazaa (Paris, France)

**Sepsis-induced myocardial dysfunction as a predictor of mortality in the adult septic patient in the intensive care unit: a prospective cohort study**

Abstract Presenter: David Pérez-Torres (Valladolid, Spain)

**Effect of hyperbaric oxygenation on red blood cells deformability**

Abstract Presenter: Francoise Steenebrugge (Charleroi, Belgium)

**Advanced glycation end products and new-onset atrial fibrillation in sepsis**

Abstract Presenter: Emilio Rodriguez-Ruiz (Santiago de Compostela, Spain)

**Evaluation of preload functional status and cardiac output in sepsis resuscitation**

Abstract Presenter: Ivor Douglas (Denver, United States)

**Bedside echocardiography to predict 28-day mortality in sepsis: the value of day 1 MAPSE**

Abstract Presenter: Pedro Cavaleiro (Faro, Portugal)

**The role of platelet aggregometry in predicting sepsis-induced thrombocytopenia**

Abstract Presenter: Alberto Fogagnolo (Ferrara, Italy)

**Acoustocerebrography in septic patients: first clinical results**

Abstract Presenter: Martin Sauer (Rostock, Germany)

**Ultrasound evaluation of muscle wasting in patients with sepsis and prolonged respiratory support**

Abstract Presenter: Juan Francisco Martínez Carmona (Málaga, Spain)

**MAP versus SBP - which parameter is more sensitive to determine an early decline in the clinical status of hospitalized patients with hypotension and comparison of hemodynamic characteristics of septic versus non-septic patients**

Abstract Presenter: Tony To Hang Lui (Singapore, Singapore)

**Changes in initial distribution volume of glucose in endotoxin-induced septic pig models**

Abstract Presenter: Takuya Suganuma (Hirosaki, Japan)

## Scientific Programme

**Poor agreement in venoarterial PCO<sub>2</sub>/arteriovenous O<sub>2</sub> content difference ratio, using central and mixed venous blood samples**

Abstract Presenter: Arnaldo Dubin (La Plata, Argentina)

**Decreased endothelial glycocalyx thickness is an early predictor of mortality in sepsis**

Abstract Presenter: Martine Bol (Maastricht, Netherlands)

**Real time assessment of tissue perfusion markers with fluid bolus in sepsis: time to change our targets???**

Abstract Presenter: Jain Nikhilesh (Indore, India)

**Dynamic arterial elastance as a predictor of arterial blood pressure response to fluid administration in septic patients: a prospective observational study**

Abstract Presenter: Mai El-Sayed (Cairo, Egypt)

**Factors influencing carotid blood flow measurements in ICU patients**

Abstract Presenter: Gul Gursel (Ankara, Turkey)

**Time-course of ventriculo-arterial decoupling in human sepsis**

Abstract Presenter: Giacomo Errico (Foggia, Italy)

**Preventive isolation in an intensive care unit**

Abstract Presenter: Elena Trujillo García (Málaga, Spain)

Tech Lounge  
11:15 - 12:00

Tech Lounge

## Break-Networking-Brainstorming

NEXT Lounge  
11:50 - 12:50

NEXT Lounge

## NEXT Research Studies

#ESICMNEXT

Chair: Burcin Halacli (Ankara, Turkey)

Chair: Stefan Schaller (Munich, Germany)

**Presentation of research study pitches by Research Master Class teams**

**11:50**

Thematic Session  
12:00 - 14:00

Paris

## SSC: The 2018 bundles release

#sepsis

Chair: Massimo Antonelli (Rome, Italy)

Chair: Maurizio Cecconi (Milan, Italy)

## Scientific Programme

<b>The 2018 Surviving Sepsis Campaign bundles</b>	<b>12:00</b>
Speaker: Andrew Rhodes (London, United Kingdom)	
<b>Guidelines and bundles, sorting through the confusion</b>	<b>12:20</b>
Speaker: Laura Evans (New York, United States)	
<b>Should the Surviving Sepsis Campaign guidelines be retired? Pros</b>	<b>12:40</b>
Speaker: Manu Malbrain (Antwerp, Belgium)	
<b>Should the Surviving Sepsis Campaign guidelines be retired? Cons</b>	<b>13:00</b>
Speaker: Mitchell Levy (Providence, United States)	
<b>Open questions to the panel</b>	<b>13:20</b>
Speaker: Andrew Rhodes (London, United Kingdom)	
Speaker: Laura Evans (New York, United States)	
Speaker: Manu Malbrain (Antwerp, Belgium)	
Speaker: Mitchell Levy (Providence, United States)	
Thematic Session 12:00 - 14:00	Berlin
<b>Assessing &amp; predicting fluid responsiveness</b>	
#cardio	
Chair: Thomas Scheeren (Groningen, Netherlands)	
Chair: Xavier Monnet (Paris, France)	
<b>...by manipulating ventilator settings</b>	<b>12:00</b>
Speaker: Sheila Nainan Myatra (Mumbai, India)	
<b>Discussion</b>	<b>12:15</b>
<b>...by passive leg raising</b>	<b>12:20</b>
Speaker: Xavier Monnet (Paris, France)	
<b>Discussion</b>	<b>12:35</b>
<b>...by mini-/micro fluid challenges</b>	<b>12:40</b>
Speaker: Simon Vistisen (Aarhus, Denmark)	
<b>Discussion</b>	<b>12:55</b>
<b>...using extra-systoles</b>	<b>13:00</b>
Speaker: Simon Vistisen (Aarhus, Denmark)	
<b>Discussion</b>	<b>13:15</b>
<b>...during spontaneous ventilation</b>	<b>13:20</b>
Speaker: Azriel Perel (Tel Aviv, Israel)	
<b>Discussion</b>	<b>13:35</b>
<b>Putting it all together: Integrating haemodynamic variables</b>	<b>13:40</b>
Speaker: Jean-Louis Teboul (Kremlin-Bicetre, France)	
<b>Discussion</b>	<b>13:55</b>

## Scientific Programme

State of the Art Session  
12:00 - 14:00

Barcelona

### Ultrasound for the intensivist

#cardio

Chair: Bernard Cholley (Paris, France)  
Chair: Iwan Van der Horst (Groningen, Netherlands)

**In assessing cardiac function** 12:00

Speaker: Antoine Vieillard-Baron (Boulogne, France)

**Discussion** 12:15

**In assessing the lungs** 12:20

Speaker: Daniel Lichtenstein (Paris, France)

**Discussion** 12:35

**In procedures** 12:40

Speaker: Jacques Duranteau (Kremlin-Bicetre, France)

**Discussion** 12:55

**In assessing circulatory volume** 13:00

Speaker: Bernard Cholley (Paris, France)

**Discussion** 13:15

**In assessing organ perfusion** 13:20

Speaker: Martin Dünser (Linz, Austria)

**Discussion** 13:35

**In assessing the whole body** 13:40

Speaker: Iwan Van der Horst (Groningen, Netherlands)

**Discussion** 13:55

State of the Art Session  
12:00 - 14:00

Geneva

### Getting to grips with antimicrobial resistance

#micro

Chair: Claire Roger (Nimes, France)  
Chair: Hendrik Bracht (Ulm, Germany)

**Recognising the patient at risk for antimicrobial resistance** 12:00

Speaker: Lennie Derde (Utrecht, Netherlands)

**Discussion** 12:15

**Resistant gram-positive infections** 12:20

Speaker: George Dimopoulos (Athens, Greece)

**Discussion** 12:35

## Scientific Programme

<b>Acinetobacter: Your patient's worst nightmare</b>	<b>12:40</b>
Speaker: José Garnacho-Montero (Seville, Spain)	
<b>Discussion</b>	<b>12:55</b>
<b>Treating ESBL-producing pathogens in 2018</b>	<b>13:00</b>
Speaker: Saad Nseir (Lille, France)	
<b>Discussion</b>	<b>13:15</b>
<b>Treatment options in CRE infections</b>	<b>13:20</b>
Speaker: Gennaro De Pascale (Rome, Italy)	
<b>Discussion</b>	<b>13:35</b>
<b>How to reduce antibiotic resistance: What intensivists can do</b>	<b>13:40</b>
Speaker: Jan De Waele (Ghent, Belgium)	
<b>Discussion</b>	<b>13:55</b>
Thematic Session 12:00 - 14:00	Rome
<b>AKI in patients with non-renal problems</b>	
#renal	
Chair: Miet Schetz (Leuven, Belgium) Chair: Antoine Schneider (Lausanne, Switzerland)	
<b>Trauma</b>	<b>12:00</b>
Speaker: John Prowle (London, United Kingdom)	
<b>Discussion</b>	<b>12:15</b>
<b>ARDS</b>	<b>12:20</b>
Speaker: Thomas Rimmelé (Lyon, France)	
<b>Discussion</b>	<b>12:35</b>
<b>Cardiogenic shock - Heart failure</b>	<b>12:40</b>
Speaker: Eric Hoste (Ghent, Belgium)	
<b>Discussion</b>	<b>12:55</b>
<b>Septic shock</b>	<b>13:00</b>
Speaker: Suvi Vaara (Helsinki, Finland)	
<b>Discussion</b>	<b>13:15</b>
<b>Liver failure</b>	<b>13:20</b>
Speaker: Lui Forni (Surrey, United Kingdom)	
<b>Discussion</b>	<b>13:35</b>
<b>Hypo-/hyperNa</b>	<b>13:40</b>
Speaker: Marjel van Dam (Utrecht, Netherlands)	

## Scientific Programme

**Discussion** **13:55**

Thematic Session  
12:00 - 14:00

Stockholm

### Secondary brain damage

#neuro

Chair: Victoria McCredie (Toronto, Canada)  
Chair: Chiara Robba (Cambridge, United Kingdom)

**Metabolic disturbances** **12:00**

Speaker: Donald Griesdale (Vancouver, Canada)

**Discussion** **12:15**

**Drug-induced encephalopathy** **12:20**

Speaker: Pedro Kurtz (Rio de Janeiro, Brazil)

**Discussion** **12:35**

**Haepatic encephalopathy** **12:40**

Speaker: Romain Sonnevill (Paris, France)

**Discussion** **12:55**

**Cerebral complications in the transplanted patient** **13:00**

Speaker: Geert Meyfroidt (Leuven, Belgium)

**Discussion** **13:15**

**Hyperthermia after neurological injury** **13:20**

Speaker: Chiara Robba (Cambridge, United Kingdom)

**Discussion** **13:35**

**Septic encephalopathy** **13:40**

Speaker: Mauro Oddo (Lausanne, Switzerland)

**Discussion** **13:55**

Thematic Session  
12:00 - 14:00

Lisbon

### New therapies in ICU: Will they work?

#sepsis

Chair: Yasser Sakr (Jena, Germany)  
Chair: Massimo Girardis (Modena, Italy)

**Update on recent clinical trials** **12:00**

Speaker: Ricard Ferrer Roca (Barcelona, Spain)

**Discussion** **12:15**

## Scientific Programme

<b>Angiotensin II</b>	<b>12:20</b>
Speaker: Elio Antonucci (Piacenza, Italy)	
<b>Discussion</b>	<b>12:35</b>
<b>Trimodulin</b>	<b>12:40</b>
Speaker: Antoni Torres (Barcelona, Spain)	
<b>Discussion</b>	<b>12:55</b>
<b>Immunostimulating strategies</b>	<b>13:00</b>
Speaker: Peter Pickkers (Nijmegen, Netherlands)	
<b>Discussion</b>	<b>13:15</b>
<b>Stem cell therapy</b>	<b>13:20</b>
Speaker: Antonio Artigas (Barcelona, Spain)	
<b>Discussion</b>	<b>13:35</b>
<b>Alkaline phosphatase</b>	<b>13:40</b>
Speaker: Pedro Pova (Lisbon, Portugal)	
<b>Discussion</b>	<b>13:55</b>
Thematic Session 12:00 - 14:00	Athens
<b>Tailored sedation use in the ICU</b>	
#neuro	
Chair: Claudia Spies (Berlin, Germany) Chair: David Menon (Cambridge, United Kingdom)	
<b>Can (and should we) avoid benzodiazepines?</b>	<b>12:00</b>
Speaker: Lara Prisco (Oxford, United Kingdom)	
<b>Discussion</b>	<b>12:15</b>
<b>Has dexmedetomidine added anything to our approach to sedation?</b>	<b>12:20</b>
Speaker: Pierre Bouzat (Grenoble, France)	
<b>Discussion</b>	<b>12:35</b>
<b>Symptom based management: Treating pain, anxiety, and agitation sleep individually</b>	<b>12:40</b>
Speaker: Björn Weiss (Berlin, Germany)	
<b>Discussion</b>	<b>12:55</b>
<b>Iatrogenic opioid withdrawal syndrome</b>	<b>13:00</b>
Speaker: Pedro Kurtz (Rio de Janeiro, Brazil)	
<b>Discussion</b>	<b>13:15</b>
<b>Physical restraint use in critically ill patients</b>	<b>13:20</b>
Speaker: Geeta Mehta (Toronto, Canada)	

## Scientific Programme

**Discussion** **13:35**

**How to get your patient moving: Beyond early mobilisation** **13:40**

Speaker: Steffen Weber-Carstens (Berlin, Germany)

**Discussion** **13:55**

Thematic Session  
12:00 - 14:00

Vienna

### Out of ICU: What now?

#LIVES2018#rehab

Chair: Carole Boulanger (Exeter, United Kingdom)  
Chair: Eva Laerkner (Odense C, Denmark)

**Let's standardise uniform PICS outcomes** **12:00**

Speaker: Hans Flaatten (Bergen, Norway)

**Discussion** **12:15**

**Drive the THRIVE forward!** **12:20**

Speaker: Ruth Endacott (Plymouth, United Kingdom)

**Discussion** **12:35**

**Nurse-led follow up clinics** **12:40**

Speaker: Margo Van Mol (Rotterdam, Netherlands)

**Discussion** **12:55**

**Anxiety & depression as a consequence of ICU stay** **13:00**

Speaker: Gisela Lilja (Lund, Sweden)

**Discussion** **13:15**

**Impact on family once home** **13:20**

Speaker: Jos Latour (Plymouth, United Kingdom)

**Discussion** **13:35**

**Rehabilitation: What comes first?** **13:40**

Speaker: David McWilliams (Birmingham, United Kingdom)

**Discussion** **13:55**

Thematic Session  
12:00 - 14:00

Glasgow

### Update in family centered care

#ethic

Chair: J. Randall Curtis (Seattle, United States)  
Chair: Christiane Hartog (Jena, Germany)



## Scientific Programme

<b>What is family centered care?</b>	<b>12:00</b>
Speaker: Rik Gerritsen (Leeuwarden, Netherlands)	
<b>Discussion</b>	<b>12:15</b>
<b>Is family satisfaction important?</b>	<b>12:20</b>
Speaker: Hanne Irene Jensen (Vejle, Denmark)	
<b>Discussion</b>	<b>12:35</b>
<b>Rounding with families</b>	<b>12:40</b>
Speaker: Lara Prisco (Oxford, United Kingdom)	
<b>Discussion</b>	<b>12:55</b>
<b>Improving communication</b>	<b>13:00</b>
Speaker: J. Randall Curtis (Seattle, United States)	
<b>Discussion</b>	<b>13:15</b>
<b>Psychological interventions</b>	<b>13:20</b>
Speaker: Bara Ricou Arita (Geneva, Switzerland)	
<b>Discussion</b>	<b>13:35</b>
<b>End-of-life care and bereavement</b>	<b>13:40</b>
Speaker: Nancy Kentish-Barnes (Paris, France)	
<b>Discussion</b>	<b>13:55</b>

Thematic Session  
12:00 - 14:00

BM6

### Workshop: Infusion pumps

Chair: Paul Klaver (Utrecht, Netherlands)  
Chair: Menne Schakel (Delft, Netherlands)

Interactive Debates  
12:15 - 13:15

Interactive Debates

### Prognostication in comatose cardiac arrest patients - How to proceed?

#trauma

Chair: Claudio Sandroni (Rome, Italy)

#### Presentation

**12:15**

Speaker: Mauro Oddo (Lausanne, Switzerland)  
Speaker: Kjetil Sunde (Oslo, Norway)  
Speaker: Markus Skrifvars (Helsinki, Finland)

## Scientific Programme

Arena  
12:30 - 13:40

Arena

### Acute respiratory failure: From mechanical ventilation to ECMO

Chair: Luciano Gattinoni (Milan, Italy)  
Chair: Ewan Goligher (Toronto, Canada)

**Transpulmonary thermodilution before and during veno-venous extra-corporeal membrane oxygenation ECMO: an observational study on a potential loss of indicator**

Abstract Presenter: Wolfgang Huber (Munich, Germany)

**Epidemiology of myocardial dysfunction in patients with hypoxemic respiratory failure and acute respiratory distress syndrome: an observational cohort study**

Abstract Presenter: Ken Parhar (Calgary, Canada)

**Neutrophils, L-lactate and D-lactate in the tracheal sputum from intubated patients at the intensive care unit as biomarkers for lower respiratory tract infection**

Abstract Presenter: Christian Dalby Sørensen (Hillerød, Denmark)

**Can ECCO2R be the rising sun for respiratory failure?**

Abstract Presenter: Adriaan Sablon (Jette, Belgium)

**Cardiac index (CI) derived from transpulmonary thermodilution (TPTD) with indicator injection into the pulmonary artery during ECMO: a comparison with indicator injection into the right atrium to derive CI from pulmonary arterial and transpulmonary thermodilution: the HEUREKA-II animal study**

Abstract Presenter: Wolfgang Huber (Munich, Germany)

**Oxygen challenge test and prediction of decannulation from veno-venous extracorporeal membrane oxygenation**

Abstract Presenter: Emma Louise Hartley (London, United Kingdom)

**Electrical impedance tomography reveals the loss of aeration in dependent zones during T-tube trial in weaning patients from mechanical ventilation**

Abstract Presenter: Brenda Fuenzalida (Santiago, Chile)

**Adaptive lung-protective ventilation with automated minimization of inspiratory power**

Abstract Presenter: Tobias Becher (Kiel, Germany)

**Comparing measurements of the exhaled CO<sub>2</sub> volume determined by volumetric capnography-equipped ventilators**

Abstract Presenter: Kenya Yarimizu (Yamagata, Japan)

**Esophageal balloon calibration improves esophageal pressure monitoring accuracy during robotic uro-gynecological surgery: feasibility study**

Abstract Presenter: Gianmaria Cammarota (Novara, Italy)

## Scientific Programme

Simulation Centre  
12:30 - 14:00

Simulation Centre - TEE/TOE Area

### TTE area (for EDEC Advanced Course)

#cardio

#### Hands-on

12:30

Speaker: Bouchra Lamia (Rouen, France)  
Speaker: Filippo Sanfilippo (Catania, Italy)  
Speaker: Nick Fletcher (London, United Kingdom)  
Speaker: Antoine Vieillard-Baron (Boulogne, France)

NEXT Lounge  
13:00 - 14:00

NEXT Lounge

### NEXT Winners (YLA & Research Workshop)

#ESICMNEXT

Chair: Jozef Kesecioglu (Utrecht, Netherlands)  
Chair: Björn Weiss (Berlin, Germany)  
Chair: Burcin Halacli (Ankara, Turkey)  
Chair: Stefan Schaller (Munich, Germany)  
Chair: Kelly Underman (Philadelphia, United States)  
Chair: Matthew J. Rowland (Oxford, United Kingdom)  
Chair: Julian Bion (Birmingham, United Kingdom)  
Chair: Laura Galarza Barrachina (Castellon, Spain)  
Chair: Cristina Santonocito (Palermo, Italy)

Hot Topics Session  
14:10 - 17:20

Paris

### Hot Topics Session

#LIVES2018

Chair: Howard Bauchner (Boston, United States)  
Chair: Massimo Antonelli (Rome, Italy)

#### Award winners

14:10

#### Pantoprazole in patients at risk for gastrointestinal bleeding in the ICU (SUP-ICU Trial)

14:40

Speaker: Morten Hylander Møller (Copenhagen, Denmark)

#### Discussion

14:55

#### Effect of a simulation programme on the reduction of psychosocial risks in ICU nurses: A Randomised Controlled Trial

15:00

Speaker: Sabine Valera (Marseille, France)

#### Discussion

15:15

#### Effect of a low versus intermediate tidal volume strategy on ventilator-free days in Intensive Care Unit Patients without ARDS: A Randomised Clinical Trial

15:20

Speaker: Marcus Schultz (Amsterdam, Netherlands)

## Scientific Programme

<b>Discussion</b>	<b>15:35</b>
<b>High-flow nasal oxygen vs standard oxygen in immunocompromised patients with Acute Respiratory Failure: The HIGH Randomised Clinical Trial</b>	<b>15:40</b>
Speaker: Elie Azoulay (Paris, France)	
<b>Discussion</b>	<b>15:55</b>
<b>Prophylactic hypothermia for severe Traumatic Brain Injury (POLAR) RCT</b>	<b>16:00</b>
Speaker: Jamie Cooper (Melbourne, Australia)	
<b>Discussion</b>	<b>16:15</b>
<b>Thrombomodulin administration in sepsis-associated coagulopathy</b>	<b>16:20</b>
Speaker: Jean-Louis Vincent (Brussels, Belgium)	
<b>Discussion</b>	<b>16:35</b>
<b>Human recombinant Alkaline Phosphatase for sepsis-associated acute kidney injury: A Randomised Clinical Trial</b>	<b>16:40</b>
Speaker: Peter Pickkers (Nijmegen, Netherlands)	
<b>Discussion</b>	<b>16:55</b>
<b>Peripheral perfusion targeted resuscitation in early septic shock: The ANDROMEDA shock study</b>	<b>17:00</b>
Speaker: Glenn Hernandez (Santiago, Chile)	
<b>Discussion</b>	<b>17:15</b>