Pre-congress course on current concepts in airway management
Pre-congress course organised by the ESA Scientific Subcommittee on Respiration and Airway Management, in collaboration with the European Airway Management Society (EAMS)
**IMPORTANT NOTICE: access is limited to pre-registered delegates**

**Chairs:**
Ellen P. O’Sullivan (Dublin, Ireland)
Arnd Timmermann (Berlin, Germany)
Lorenz Theiler (Bern, Switzerland)
Georges Savoldelli (Geneva, Switzerland)

**Introduction**
Arnd Timmermann (Berlin, Germany)
Lorenz Theiler (Bern, Switzerland)

**Welcome**
Ellen P. O’Sullivan (Dublin, Ireland)
Robert Greif (Bern, Switzerland)*

**Introduction to the hands on stations**
Arnd Timmermann (Berlin, Germany)

**The pearls of...**

...Flexible awake intubation
Paul Baker (Auckland, New Zealand)*

...Lung separation techniques
Brian Harte (Galway, Ireland)

...Videolaryngoscopy
Lorenz Theiler (Bern, Switzerland)

...Front of neck access techniques and ventilation
Dietmar Enk (Maastricht, Netherlands)*

...Ultrasound evaluation of the airway
Michael Seltz Kristensen (Copenhagen, Denmark)

**Workshop, Part 1, 3 Skill stations**

**Coffee break**

**Morbidity and mortality of airway management**
Anil Patel (London, United Kingdom)

**Pre-operative assessment and strategies**
Carin Hagberg (Houston, United States)*

**Lunch break**
# Workshop Part 2 - 3 Skill stations

**Small airway – big problems? (the paediatric difficult airway)**  
Thomas Engelhardt (Aberdeen, United Kingdom)

**Coffee break**

**Lost in transition: the challenges of moving from non-surgical airway to front-of-neck access**  
Nicholas Chrimes (Melbourne, Australia)

# Workshop Part 3 - 3 Skill stations

**Skill stations**

1A. Supraglottic devices (flexible SGA, oesophageal closing tubes)  
Anil Patel (London, United Kingdom)  
Rüdiger Noppens (London, Canada)

1B. Supraglottic devices (2nd Generation SGA advanced uses)  
Ana Maria Lopez Gutiérrez (Barcelona, Spain)*  
Gabriele Casso (Lugano, Switzerland)

2A. Flexible optic intubation  
Carin Hagberg (Houston, United States)*  
Ellen P. O’Sullivan (Dublin, Ireland)

2B. Flexible optic intubation – Simulation  
Kamil Toker (Kocaeli, Turkey)  
Paul Baker (Auckland, New Zealand)*

3. Intubation through supraglottic device  
Tolga Saracoglu (Istanbul, Turkey)  
Hulya Bilgin (Bursa, Turkey)

4. Lung isolation techniques  
Niels Erik Ove Andersen (Copenhagen, Denmark)  
Brian Harte (Galway, Ireland)

5. Apneic oxygenation, direct laryngoscopy and stylets  
Robert Greif (Bern, Switzerland)*  
Massimiliano Sorbello (Catania, Italy)*

6A. Direct and indirect videolaryngoscopy  
Volker Dörges (Kiel, Germany)*  
Elizabeth Behringer (Los Angeles, United States)*

6B. Rigid optical laryngoscopy - paediatric  
Thomas Engelhardt (Aberdeen, United Kingdom)  
Ilijas Hodzovic (Cardiff, United Kingdom)*

7. Ultrasonography in airway management  
Michael Seltz Kristensen (Copenhagen, Denmark)  
Wendy Teoh (Singapore, Singapore)

8A. Front of neck access  
Maren Kleine-Brueggeney (London, United Kingdom)  
Tomasz Gaszynski (Lodz, Poland)

8B. JET ventilation, expiratory ventilatory assistance (EVA)  
Dietmar Enk (Maastricht, Netherlands)*  
Vicente Martinez Pons (Valencia, Spain)

9A. Simulation - Difficult airways case A  
Dick Van Groeningen (Amsterdam, Netherlands)  
Johannes Huitink (Amsterdam, Netherlands)

9B. Simulation - Difficult airway case B  
Nicholas Chrimes (Melbourne, Australia)  
Michael Müller (Freiburg, Germany)
### Regional anaesthesia on cadavers

**Regional anaesthesia on cadavers**

**IMPORTANT NOTICE:** access is limited to pre-registered delegates

**Chairs:**
- Eric Albrecht (Lausanne, Switzerland)
- Hugues Cadas (Lausanne, Switzerland)

**Station 1: Cervical plexus**
- Alain Borgeat (Zurich, Switzerland)

**Station 2: Brachial plexus**
- José Alejandro Aguirre (Zurich, Switzerland)

**Station 3: Chest and abdominal wall**
- Sébastien Bloc (Quincy-Sous-Sénart, France)

**Station 4: Lumbosacral plexus**
- Slobodan Gligorjevic (Zurich, Switzerland)

**Station 5: Spine**
- Urs Eichenberger (Zurich, Switzerland)

**Station 6: Needling**
- Sheriff Abbas (Louvain, Belgium)
- Sylvain Gander (Yverdon, Switzerland)

**Station 7: Multimedia session**
- Hugues Cadas (Lausanne, Switzerland)

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### Regional anaesthesia on cadavers 2

**Regional anaesthesia on cadavers 2**

**IMPORTANT NOTICE:** access is limited to pre-registered delegates

**Chairs:**
- Eric Albrecht (Lausanne, Switzerland)
- Hugues Cadas (Lausanne, Switzerland)

**Station 1: Cervical plexus**
- Alain Borgeat (Zurich, Switzerland)

**Station 2: Brachial plexus**
- José Alejandro Aguirre (Zurich, Switzerland)

**Station 3: Chest and abdominal wall**
- Sébastien Bloc (Quincy-Sous-Sénart, France)

**Station 4: Lumbosacral plexus**
- Slobodan Gligorjevic (Zurich, Switzerland)

**Station 5: Spine**
- Urs Eichenberger (Zurich, Switzerland)

**Station 6: Needling**
- Sheriff Abbas (Louvain, Belgium)
- Sylvain Gander (Yverdon, Switzerland)

**Station 7: Multimedia session**
- Hugues Cadas (Lausanne, Switzerland)

---

### Surgical procedures in critical emergency medicine (Part 1) - a cadaver course with a focus on vascular access

**Surgical procedures in critical emergency medicine (Part 1) - a cadaver course with a focus on vascular access**

**Chairs:**
- Eric Albrecht (Lausanne, Switzerland)
- Hugues Cadas (Lausanne, Switzerland)

**Station 1: Cervical plexus**
- Alain Borgeat (Zurich, Switzerland)

**Station 2: Brachial plexus**
- José Alejandro Aguirre (Zurich, Switzerland)

**Station 3: Chest and abdominal wall**
- Sébastien Bloc (Quincy-Sous-Sénart, France)

**Station 4: Lumbosacral plexus**
- Slobodan Gligorjevic (Zurich, Switzerland)

**Station 5: Spine**
- Urs Eichenberger (Zurich, Switzerland)

**Station 6: Needling**
- Sheriff Abbas (Louvain, Belgium)
- Sylvain Gander (Yverdon, Switzerland)

**Station 7: Multimedia session**
- Hugues Cadas (Lausanne, Switzerland)
**Surgical procedures in critical emergency medicine (Part 2) - a cadaver course with a focus on immediately lifesaving procedures**

**IMPORTANT NOTICE: access is limited to pre-registered delegates**

### Chairs:
- Karl-Christian Thies (Birmingham, United Kingdom)
- Chris Ross (Chicago, United States)

**Overview**
- Intraosseous demonstration
- Arthrocentesis demonstration
- Cricothyrotomy – Closed and open technique
- Practice procedures - (Tables 1-5 rotate through airway/ultrasound table every 18 minutes)
- Cranial burr holes demonstration
- Pericardiocentesis demonstration
- Thoracotomy demonstration
- Practice demo procedures (Tables 6-10 rotate through airway/ultrasound table every 18 minutes)

**Wrap up**
- Catherine Heim (Lausanne, Switzerland)
- Jonathan Tilsed (Hull, United Kingdom)
- Eric Voiglio (Lyon, France)
- Al Mountain (Birmingham, United Kingdom)
- Jochen Hinkelbein (Köln, Germany)
- Ayten Saracoglu (Istanbul, Turkey)
- Louis Riddez (Stockholm, Sweden)
- Hayato Kurihara (Milan, Italy)
- Mauro Zago (Bergamo, Italy)
- Robbie Lendrum (Edinburgh and London, United Kingdom)
Pre-congress course on ultrasound use in critical care and anaesthesia

**IMPORTANT NOTICE: access is limited to pre-registered delegates**

**Chair:**
Patrick Wouters (Ghent, Belgium)

**Lectures and hands-on stations**
- Johan Bence (Leicester, United Kingdom)
- Dominique Bettex (Zurich, Switzerland)
- Raoul Breitkreutz (Frankfurt, Germany)
- Stefanie Bruemmer-Smith (Brighton, United Kingdom)
- Henry Skinner (Nottingham, United Kingdom)
- Aarne Feldheiser (Berlin, Germany)
- Nick Fletcher (London, United Kingdom)
- Fabio Guarracino (Pisa, Italy)
- Ravi Hebballi (Leicester, United Kingdom)
- Michael Sander (Gießen, Germany)
- Sascha Treskatsch (Berlin, Germany)
- Stefan Weber (Bonn, Germany)
- Patrick Wouters (Ghent, Belgium)
- Peter Juhl-Olsen (Aarhus, Denmark)
- Michael Schupp (Glenfield, United Kingdom)
- Patrick Wouters (Ghent, Belgium)
- Jan Paul Mulier (Bruges, Belgium)*
- Michael Margarson (Chichester, United Kingdom)

**Anaesthesia for the morbidly obese patient: basic issues**

**Pre-congress course organised by the European Society for Perioperative Care of the Obese Patient (ESPCOP)**

**IMPORTANT NOTICE: access is limited to pre-registered delegates**

**Chairs:**
- Luc De Baerdemaecker (Ghent, Belgium)
- Jan Paul Muller (Bruges, Belgium)*
- Michael Margarson (Chichester, United Kingdom)

**Introduction and background**

**Anaesthetic disasters and obesity: why we run this course**
Jonathan Cousins (London, United Kingdom)

**BMI & fat distribution**
Michael Margarson (Chichester, United Kingdom)

**Drug dosing in the morbidly obese**
Luc De Baerdemaecker (Ghent, Belgium)

**Questions and discussion**

**The impact of obesity**

**The metabolic syndrome**
Chris Bouch (Leicester, United Kingdom)

**Cardiovascular effects of obesity**
Johnatan Redman (York, United Kingdom)

**Respiratory effects of obesity**
Tomasz Gazynski (Lodz, Poland)

**Questions and discussion**

**Coffee break**

**Sleep apnoea**

**Pathophysiology and mechanisms**
Johnatan Redman (York, United Kingdom)
Screening and treatment
Michael Margarson (Chichester, United Kingdom)

Peri-operative pitfalls
Jan Paul Mullier (Bruges, Belgium)*

Questions and discussion

Pre-operative assessment to reduce risk

Cardiac risk and assessment
Johnatan Redman (York, United Kingdom)

The anaesthesiologist and the Multi-Disciplinary Team: risk-benefit judgements
Michael Margarson (Chichester, United Kingdom)

Fasting guidelines in the obese
Luc De Baerdemaeker (Ghent, Belgium)

Questions and discussion

Lunch break

Airways and ventilation

How to safely intubate and extubate the obese patient
Daniela Godoroja (Budapest, Romania)

Pulmonary mechanics and ventilation in the obese
Tomasz Gaszynski (Lodz, Poland)

The pneumoperitoneum
Jan Paul Mullier (Bruges, Belgium)*

Post-op care and thromboprophylaxis
Chris Bouch (Leicester, United Kingdom)

Coffee break

Anaesthetic systems and special cases

Regional techniques?
Daniela Godoroja (Budapest, Romania)

The ideal analgesic technique?
Chris Bouch (Leicester, United Kingdom)

The ideal anaesthetic technique?
Jonathan Cousins (London, United Kingdom)

Multiple Choice Questions: questions and answers
Jan Paul Mullier (Bruges, Belgium)*
Luc De Baerdemaeker (Ghent, Belgium)

Interactive voting

Panel of speakers
### Ethical practice and difficult decision making

**Chair:**
Paul McConnell (Paisley, United Kingdom)

**Introduction and overview**
Paul McConnell (Paisley, United Kingdom)

**Principles of biomedical ethics**
Michael Roddis (London, United Kingdom)

**Group work**

**Ethical conflict and moral leadership**
Michael Roddis (London, United Kingdom)

**Group work**

**Break**

**Principals of consent, capacity and best interests**
Claire McLaughlan (Stockbridge, United Kingdom)

**End of Life Care and the principle of futility**
Paul McConnell (Paisley, United Kingdom)

**Group work**

**Summary and close**
Michael Roddis (London, United Kingdom)

### Point of care guided haemostatic management during massive bleeding

**Chairs:**
Christian Fenger-Eriksen (Aarhus, Denmark)
Christa Boer (Amsterdam, Netherlands)*

**The coagulation system**
Christa Boer (Amsterdam, Netherlands)*

**Pathophysiology of coagulation during bleeding**
Christian Fenger-Eriksen (Aarhus, Denmark)

**Monitoring coagulation and platelet function during surgery / bleeding**
Aamer Ahmed (Leicester, United Kingdom)

**Monitoring and reversal of Direct Oral Anticoagulant (DOAC) therapy**
Alexander Vlaar (Amsterdam, Netherlands)

**Coffee break**

**Treatment of preoperative anaemia**
Christian Von Heymann (Berlin, Germany)*

**Transfusion strategies and micro-circulatory oxygenation**
Christa Boer (Amsterdam, Netherlands)*

**Goal directed haemostatic treatment during bleeding**
Dietmar Fries (Innsbruck, Austria)

**Coffee break**
Prevention of venous thromboembolism
Charles-Marc Samama (Paris, France)*

Group work

Thromboelastometry (ROTEM)/Thromboelastography (TEG) Hands-on

Platelet function analyser

Treatment algorithms

Case presentation and discussion

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**Pre-congress course on intraoperative neuromonitoring:**
the basics and the evidence

**IMPORTANT NOTICE:** access is limited to pre-registered delegates

Chair:
Massimo Lamperti (Abu Dhabi, United Arab Emirates)

Registration and welcome
Massimo Lamperti (Abu Dhabi, United Arab Emirates)

Basics of electroencephalogram for the non-neuroanaesthesiologist
Maria Cristina Honorato-Cia (Pamplona, Spain)

Awareness during anaesthesia: where are we?
Lionel Velly (Marseille, France)

Can we change our anaesthesia and sedation management?
Massimo Lamperti (Abu Dhabi, United Arab Emirates)

Coffee break

Cerebral oximetry
Rafael Badenes (Valencia, Spain)

Basics of trans-cranial doppler for the non-neuroanaesthesiologist
Frank A. Rasulo (Brescia, Italy)

Lunch break

Basics on evoked potentials
Pierre Pandin (Brussels, Belgium)

NEUROFAST WORKSHOP

Neurofast and Trans Cranial Doppler (TDC) workshop on ultrasound machines
Frank A. Rasulo (Brescia, Italy)
Massimo Lamperti (Abu Dhabi, United Arab Emirates)

Coffee break

Evoked potentials: the basics
Pierre Pandin (Brussels, Belgium)

Scenario with problem-based learning discussion
Maria Cristina Honorato-Cia (Pamplona, Spain)
Lionel Velly (Marseille, France)

Conclusions

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Ultrasound guided central venous access in neonates, infants and children

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Chairs:
Nicola Disma (London, United Kingdom)
Mauro Pittiruti (Rome, Italy)

Introduction
Nicola Disma (London, United Kingdom)

Ultrasound guidance in venous access: guidelines and evidence from the literature
Thierry Pirotte (Brussels, Belgium)*

Ultrasound anatomy of the veins of the supra/infraclavicular area
Christian Breschan (Klagenfurt, Austria)

Ultrasound visualization and Near InfraRed (NIR) visualization of peripheral veins
Daniele G. Biasucci (Rome, Italy)

Indications and technique of intra-osseous access
Nicola Disma (London, United Kingdom)

Centrally inserted central venous catheters in infants and children
Mauro Pittiruti (Rome, Italy)

Discussion

Coffee break

Centrally inserted central venous catheters in neonates
Christian Breschan (Klagenfurt, Austria)

Peripherally inserted central venous catheters in children
Thierry Pirotte (Brussels, Belgium)*

Tip location of central venous access: intracavitary electrocardiogram, radiology, echocardiography
Daniele G. Biasucci (Rome, Italy)

Insertion technique and infection prevention
Nicola Disma (London, United Kingdom)

Insertion technique and prevention of thrombosis
Mauro Pittiruti (Rome, Italy)

Discussion

Lunch break

Station 1 - Visualization of peripheral veins of the arm by ultrasound and Near InfraRed (NIR)
Daniele G. Biasucci (Rome, Italy)

Station 2 - Ultrasound visualization of central veins of the supra/infraclavicular area
Mauro Pittiruti (Rome, Italy)

Station 3 - Ultrasound guided venepuncture
Christian Breschan (Klagenfurt, Austria)

Station 4 - Intra-osseous access and US-guided vascular cannulation
Nicola Disma (London, United Kingdom)

Station 5 - Presentation and discussion of videos on paediatric vascular access
Thierry Pirotte (Brussels, Belgium)*
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<td>Introduction to perioperative medicine</td>
<td>Bernhard Walder (Geneva, Switzerland)</td>
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<td>Pre-course assessment: identifying knowledge gaps in perioperative medicine</td>
<td>Mohamed Aymen Kraiem Ben Rached (Geneva, Switzerland)</td>
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<td>Perioperative stress response: understanding the physiological changes</td>
<td>Bernardo Bollen Pinto (Geneva, Switzerland)</td>
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<td>Perioperative leadership principles: Understanding the perioperative clinical pathway</td>
<td>Sina Grape (Sion, Switzerland)</td>
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<td>Perioperative cardiac function: identifying cardiac risk factors, anticipating, preventing, and managing impaired cardiac function</td>
<td>Bernardo Bollen Pinto (Geneva, Switzerland)</td>
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<tr>
<td>Perioperative renal function: identifying risk factors of acute kidney injury and strategies to prevent renal failure</td>
<td>Amaury Govaerts (Geneva, Switzerland) Mohamed Aymen Kraiem Ben Rached (Geneva, Switzerland)</td>
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<tr>
<td>Lunch break</td>
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<tr>
<td>Perioperative pulmonary function and airway: Identifying risk factors of respiratory distress and strategies to reduce pulmonary complications</td>
<td>Bernhard Walder (Geneva, Switzerland)</td>
</tr>
<tr>
<td>Perioperative cognitive function: Identifying risk factors of cognitive disorders and their differential diagnosis</td>
<td>Gleicy Keli Barcelos (Geneva, Switzerland)</td>
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<td>Coffee break</td>
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<td>Practical illustration of newly acquired knowledge through clinical scenarios</td>
<td>Mohamed Aymen Kraiem Ben Rached (Geneva, Switzerland)</td>
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<tr>
<td>Post-course assessment: fulfilling previously identified knowledge gaps</td>
<td>Mohamed Aymen Kraiem Ben Rached (Geneva, Switzerland)</td>
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</table>
**Postgraduate course on patient-ventilator asynchrony**

**IMPORTANT NOTICE: access is limited to pre-registered delegates**

Room F

### How I detect and fix

Paolo Pelosi (Genoa, Italy)

**Postgraduate course on problem-based learning in thoracic anaesthesia**

**IMPORTANT NOTICE: access is limited to pre-registered delegates**

Room F

### My most challenging cases

Edmond Cohen (New York, United States)

**Spinal sonography course**

Pre-congress course organised by the Society for Ultrasound in Anaesthesia (SUA)

**IMPORTANT NOTICE: access is limited to pre-registered delegates**

Room 4

**Chairs:**
- Prit Anand Singh (Edinburgh, United Kingdom)
- Sumit Gulati (Liverpool, United Kingdom)

**Ultrasound guidance concepts and needles**
- Atul Gaur (Leicester, United Kingdom)

**Masterclass in lumbar/sacral spine sonography including facet joint, sacroiliac, caudal**
- Matav Mehra (Dirksland, Netherlands)

**Demonstration: lumbar spine sonography**
- Vijay Kumar (Scunthorpe, United Kingdom)
- Mohijr Baloch (Frimley, United Kingdom)
- Arif Ghazi (London, United Kingdom)

**Coffee break**

**Masterclass in thoracic spine and paraspinal sonography including paravertebral, dorsal root ganglion**
- Xavier Sala - Blanch (Barcelona, Spain)

**Demonstration - thoracic spine sonography**
- Simon Bindelle (Camberley, United Kingdom)
- Kiran Kumar Koneti (London, United Kingdom)
- Philip Das (Dublin, Ireland)

**How I do it: blocks for abdominal, trunk surgery**
- Prit Anand Singh (Edinburgh, United Kingdom)

**Lunch and interactive demonstration**
- Dave Patel (Northampton, United Kingdom)
- Yurvaj Kukreja (Surrey, United Kingdom)

**Guidelines and evidence base to use ultrasound for spinal and paraspinal injections**
- Sheelaj Sharma (Basildon, United Kingdom)
- Philippe Gautier (Brussels, Belgium)

**Masterclass in cervical spine sonography**
- Michael Sommer (Maastricht, Netherlands)

**Demonstration - cervical spine sonography: roots, facet joints**
- Sumit Gulati (Liverpool, United Kingdom)
- Deepak Malik (Birmingham, United Kingdom)
- Raja Reddy (Gillingham, United Kingdom)
### SIM LAB 1 Workshop

**Saturday, 3 June**

**10:30 – 12:00**

**SIM SPACE workshop - Life-threatening operating room crisis (high fidelity simulation session)**

**IMPORTANT NOTICE:** Access is limited to pre-registered delegates.

**Chairs:**
- Dan Benhamou (Paris, France)
- Georges Savoldelli (Geneva, Switzerland)

**Life-threatening operating room crisis**
- Benno Rehberg-Klug (Geneva, Switzerland)
- Amaury Govaerts (Geneva, Switzerland)
- Morgan Le Guen (Paris, France)

### SIM LAB 2 Workshop

**Saturday, 3 June**

**10:30 – 12:00**

**SIM SPACE workshop - Ultrasound guided central venous access (simulation-based procedural skills workshop)**

**IMPORTANT NOTICE:** Access is limited to pre-registered delegates.

**Chairs:**
- Dan Benhamou (Paris, France)
- Georges Savoldelli (Geneva, Switzerland)

**Ultrasound guided central venous access**
- Vanessa Cartier (Geneva, Switzerland)
- Marcel Rohrer (Geneva, Switzerland)
- Julien Maillard (Geneva, Switzerland)
- Selin Kivrak (Geneva, Switzerland)

### SIM LAB 3 Workshop

**Saturday, 3 June**

**14:00 – 15:30**

**SIM SPACE workshop - Airway management (high fidelity simulation session)**

**IMPORTANT NOTICE:** Access is limited to pre-registered delegates.

**Chairs:**
- Dan Benhamou (Paris, France)
- Georges Savoldelli (Geneva, Switzerland)

**Airway Management**
- Benno Rehberg-Klug (Geneva, Switzerland)
- Amaury Govaerts (Geneva, Switzerland)

### SIM LAB 4 Workshop

**Saturday, 3 June**

**14:00 – 15:30**

**SIM SPACE workshop - Basic Transthoracic Echocardiography (TTE) for anaesthesiologists (simulation-based procedural skills workshop)**

**IMPORTANT NOTICE:** Access is limited to pre-registered delegates.

**Chairs:**
- Dan Benhamou (Paris, France)
- Georges Savoldelli (Geneva, Switzerland)

**Basic Transthoracic Echocardiography (TTE) for anaesthesiologists**
- Karim Bendjelid (Geneva, Switzerland)
- Sophie Hamada (Paris, France)
- Paul Samuel Abraham (Geneva, Switzerland)
**SIM SPACE workshop - Life-threatening operating room crisis (high fidelity simulation session)**

**IMPORTANT NOTICE: access is limited to pre-registered delegates**

**Chairs:**
- Dan Benhamou (Paris, France)
- Georges Savoldelli (Geneva, Switzerland)

**Life-threatening operating room crisis**
- Benno Rehberg-Klug (Geneva, Switzerland)
- Amaury Govaerts (Geneva, Switzerland)
- Morgan Le Guen (Paris, France)

**SIM SPACE workshop - Basic Transthoracic Echocardiography (TTE) for anaesthesiologists (simulation-based procedural skills workshop)**

**IMPORTANT NOTICE: access is limited to pre-registered delegates**

**Chairs:**
- Dan Benhamou (Paris, France)
- Georges Savoldelli (Geneva, Switzerland)

**Basic Transthoracic Echocardiography (TTE) for anaesthesiologists**
- Karim Bendjelid (Geneva, Switzerland)
- Sophie Hamada (Paris, France)
- Paul Samuel Abraham (Geneva, Switzerland)

**SIM SPACE workshop - Airway management (high fidelity simulation session)**

**IMPORTANT NOTICE: access is limited to pre-registered delegates**

**Chairs:**
- Dan Benhamou (Paris, France)
- Georges Savoldelli (Geneva, Switzerland)

**Airway management**
- Domitille Dereu (Geneva, Switzerland)
- Georges Savoldelli (Geneva, Switzerland)
- Antonia Blanié (Paris, France)

**SIM SPACE workshop - Basic Trans-Esophageal Echocardiography (TEE) for anaesthesiologists (simulation-based procedural skills workshop)**

**IMPORTANT NOTICE: access is limited to pre-registered delegates**

**Chairs:**
- Dan Benhamou (Paris, France)
- Georges Savoldelli (Geneva, Switzerland)

**Basic Trans-Esophageal Echocardiography (TEE) for anaesthesiologists**
- Christoph Ellenberger (Geneva, Switzerland)
- Paul Samuel Abraham (Geneva, Switzerland)
- Virginie Dumans (Paris, France)

**SIM SPACE workshop - Life-threatening operating room crisis (high fidelity simulation session)**

**IMPORTANT NOTICE: access is limited to pre-registered delegates**

**Chairs:**
- Dan Benhamou (Paris, France)
- Georges Savoldelli (Geneva, Switzerland)
Chairs:
Georges Savoldelli (Geneva, Switzerland)
Dan Benhamou (Paris, France)

Life-threatening operating room crisis
Domitille Dereu (Geneva, Switzerland)
Georges Savoldelli (Geneva, Switzerland)
Antonia Blanié (Paris, France)

SIM LAB10 Workshop
Sunday, 4 June
10:30 – 12:00

SIM SPACE workshop - Basic Trans-Esophageal Echocardiography (TEE) for anaesthesiologists (simulation-based procedural skills workshop)
**IMPORTANT NOTICE: access is limited to pre-registered delegates**

Chairs:
Dan Benhamou (Paris, France)
Georges Savoldelli (Geneva, Switzerland)

Basic Trans-Esophageal Echocardiography (TEE) for anaesthesiologists
Christoph Ellenberger (Geneva, Switzerland)
Paul Samuel Abraham (Geneva, Switzerland)
Virginie Dumans (Paris, France)

SIM LAB11 Workshop
Sunday, 4 June
14:00 – 15:30

SIM SPACE workshop - Airway management (high fidelity simulation session)
**IMPORTANT NOTICE: access is limited to pre-registered delegates**

Chairs:
Dan Benhamou (Paris, France)
Georges Savoldelli (Geneva, Switzerland)

Airway management
Domitille Dereu (Geneva, Switzerland)
Georges Savoldelli (Geneva, Switzerland)
Antonia Blanié (Paris, France)

SIM LAB12 Workshop
Sunday, 4 June
14:00 – 15:30

SIM SPACE Workshop - Ultrasound guided central venous access (simulation-based procedural skills workshop)
**IMPORTANT NOTICE: access is limited to pre-registered delegates**

Chairs:
Dan Benhamou (Paris, France)
Georges Savoldelli (Geneva, Switzerland)

Ultrasound guided central venous access
Vanessa Cartier (Geneva, Switzerland)
Marcel Rohrer (Geneva, Switzerland)
Julien Maillard (Geneva, Switzerland)
Selin Kivrak (Geneva, Switzerland)

SIM LAB13 Workshop
Sunday, 4 June
16:00 – 17:30

SIM SPACE workshop - Life-threatening operating room crisis (high fidelity simulation session)
**IMPORTANT NOTICE: access is limited to pre-registered delegates**

Chairs:
Dan Benhamou (Paris, France)
Georges Savoldelli (Geneva, Switzerland)

Life-threatening operating room crisis
Domitille Dereu (Geneva, Switzerland)
Georges Savoldelli (Geneva, Switzerland)
Antonia Blanié (Paris, France)
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<th>Workshop</th>
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</table>
| SIMLAB14 | Sunday, 4  | 16:00 – 17:30| SIM SPACE Workshop - Ultrasound guided central venous access          | Georges Savoldelli (Geneva, Switzerland)  
|          | June       |              | (simulation-based procedural skills workshop)                         | Dan Benhamou (Paris, France)                                                                                   | Limited     |
|          |            |             | **IMPORTANT NOTICE: access is limited to pre-registered delegates     |                                                                                                                |             |
|          |            |             | Ultrasound guided central venous access                               | Vanessa Cartier (Geneva, Switzerland)  
|          |            |              | Marcel Rohrer (Geneva, Switzerland)  
|          |            |              | Julien Maillard (Geneva, Switzerland)  
|          |            |              | Selin Kivrak (Geneva, Switzerland)                                   |                                                                                                                |             |
| SIMLAB15 | Monday, 5  | 08:30 – 10:00| SIM SPACE workshop - Challenges in mechanical ventilation in the ICU patient (high fidelity simulation session) | Dan Benhamou (Paris, France)  
|          | June       |                | **IMPORTANT NOTICE: access is limited to pre-registered delegates    | Georges Savoldelli (Geneva, Switzerland)                                                                       |             |
|          |            |              | Challenges in mechanical ventilation in the ICU patient               | Laurence Fabian (Geneva, Switzerland)  
|          |            |              | Samy Figueiredo (Paris, France)                                        | Dan Benhamou (Paris, France)                                                                                   |             |
| SIMLAB16 | Monday, 5  | 08:30 – 10:00| SIM SPACE workshop - Ultrasound evaluation in trauma: the FAST exam   | Dan Benhamou (Paris, France)  
|          | June       |                | (simulation-based procedural skills workshop)                         | Georges Savoldelli (Geneva, Switzerland)                                                                       |             |
|          |            |              | **IMPORTANT NOTICE: access is limited to pre-registered delegates     | TBA  
|          |            |              | Anatole Harrois (Paris, France)                                       | Georges Savoldelli (Geneva, Switzerland)                                                                       |             |
| SIMLAB17 | Monday, 5  | 10:30 – 12:00| SIM SPACE workshop - Challenging cases in the trauma room             | Dan Benhamou (Paris, France)  
|          | June       |                | (high fidelity simulation session)                                     | Georges Savoldelli (Geneva, Switzerland)                                                                       |             |
|          |            |              | **IMPORTANT NOTICE: access is limited to pre-registered delegates     | Laurence Fabian (Geneva, Switzerland)  
|          |            |              | Samy Figueiredo (Paris, France)                                        | Dan Benhamou (Paris, France)                                                                                   |             |
| SIMLAB18 | Monday, 5  | 10:30 – 12:00| SIM SPACE workshop - Basic Trans-Esophageal Echocardiography (TEE) for anaesthesiologists (simulation-based procedural skills workshop) | Dan Benhamou (Paris, France)  
|          | June       |                | **IMPORTANT NOTICE: access is limited to pre-registered delegates     | Georges Savoldelli (Geneva, Switzerland)                                                                       |             |
|          |            |              | Basic Trans-Esophageal Echocardiography (TEE) for anaesthesiologists   | TBA  
|          |            |              | (simulation-based procedural skills workshop)                         | Georges Savoldelli (Geneva, Switzerland)                                                                       |             |

**IMPORTANT NOTICE:** Access to all workshops is limited to pre-registered delegates.
**SIM SPACE workshop - Challenges in mechanical ventilation in the ICU patient (high fidelity simulation session)**

**IMPORTANT NOTICE: access is limited to pre-registered delegates**

**SIM SPACE workshop - Ultrasound evaluation in trauma: the FAST exam (simulation-based procedural skills workshop)**

**IMPORTANT NOTICE: access is limited to pre-registered delegates**

**Thoracic anaesthesia hands-on workshop 1**

**IMPORTANT NOTICE: access is limited to pre-registered delegates**
Station 3: Endobronchial blockers 2
Nuzhet Mert Sentürk (Istanbul, Turkey)
Giorgio Della Rocca (Udine, Italy)

Station 4: Paediatric Lung Separation
Cesar Rodriguez-Diaz (New York, United States)
Torsten Loop (Freiburg, Germany)

Station 5: Analgesia 1 - Thoracic epidural anaesthesia
Manuel Granell Gil (Valencia, Spain)
Thomas Hachenberg (Magdeburg, Germany)

Station 6: Analgesia 2 - Paravertebral blocks
Padraig Mahon (Cork, Ireland)
Oliver Vicent (Dresden, Germany)

Station 7: Management of hypoxemia during one-lung ventilation
Marcelo Gama de Abreu (Dresden, Germany)*
Thomas Bluth (Dresden, Germany)
**Thoracic anaesthesia hands-on workshop 2**

Sunday, 4 June  
14:00 – 17:00

**Room 5**

**Chairs:**
Marcelo Gama de Abreu (Dresden, Germany)*  
Edmond Cohen (New York, United States)

**Introductory Pro-Con lectures**

**Endobronchial blockers are better!**  
Edmond Cohen (New York, United States)

**Double lumen tubes are even better!**  
Marcelo Gama de Abreu (Dresden, Germany)*

**Hands-on demonstration**

**Station 1: Double lumen tubes**  
Marc-Joseph Licker (Geneva, Switzerland)  
Laszlo Szegedi (Brussels, Belgium)

**Station 2: Endobronchial blockers 1**  
Andreas Güldner (Dresden, Germany)  
Thomas Kiss (Dresden, Germany)

**Station 3: Endobronchial blockers 2**  
Nuzhet Mert Sentürk (Istanbul, Turkey)  
Giorgio Della Rocca (Udine, Italy)

**Station 4: Paediatric Lung Separation**  
Cesar Rodriguez-Díaz (New York, United States)  
Torsten Loop (Freiburg, Germany)

**Station 5: Analgesia 1 - Thoracic epidural anaesthesia**  
Manuel Granell Gil (Valencia, Spain)  
Thomas Hachenberg (Magdeburg, Germany)

**Station 6: Analgesia 2 - Paravertebral blocks**  
Padraig Mahon (Cork, Ireland)  
Oliver Vicent (Dresden, Germany)

**Station 7: Management of hypoxemia during one-lung ventilation**  
Marcelo Gama de Abreu (Dresden, Germany)*  
Thomas Bluth (Dresden, Germany)
Ultrasound-guided regional anaesthesia 1
Room 6

**IMPORTANT NOTICE: access is limited to pre-registered delegates**

**Chair:**
Eric Albrecht (Lausanne, Switzerland)

**Interscalene and supraclavicular brachial plexus blocks**
Matthias Sluga (Fribourg, Switzerland)

**Infraclavicular and axillary brachial plexus blocks**
Andreas Burgi (Zurich, Switzerland)

**Chest and abdominal wall blocks**
Moira Baeriswyl (Lausanne, Switzerland)

**Femoral nerve, iliofascial, and adductor canal blocks**
Roxane Fournier (Geneva, Switzerland)

**Sciatic nerve block with different approaches**
Andrea Saporito (Bellinzona, Switzerland)

**Neuraxial and paravertebral blocks**
Cedric Luyet (Bern, Switzerland)*

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Ultrasound-guided regional anaesthesia 2
Room 6

**IMPORTANT NOTICE: access is limited to pre-registered delegates**

**Chair:**
Eric Albrecht (Lausanne, Switzerland)

**Interscalene and supraclavicular brachial plexus blocks**
Matthias Sluga (Fribourg, Switzerland)

**Infraclavicular and axillary brachial plexus blocks**
Andreas Burgi (Zurich, Switzerland)

**Chest and abdominal wall blocks**
Moira Baeriswyl (Lausanne, Switzerland)

**Femoral nerve, iliofascial, and adductor canal blocks**
Roxane Fournier (Geneva, Switzerland)

**Sciatic nerve block with different approaches**
Andrea Saporito (Bellinzona, Switzerland)

**Neuraxial and paravertebral blocks**
Cedric Luyet (Bern, Switzerland)*
Ultrasound guided regional anaesthesia 3
**IMPORTANT NOTICE: access is limited to pre-registered delegates

Room 6

Chair:
Eric Albrecht (Lausanne, Switzerland)

Interscalene and supraclavicular brachial plexus blocks
José Alejandro Aguirre (Zurich, Switzerland)

Infraclavicular and axillary brachial plexus blocks
Sina Grape (Sion, Switzerland)

Chest and abdominal wall blocks
Stephane Villet (Fribourg, Switzerland)*

Femoral nerve, iliofascial, and adductor canal blocks
Philippe Lasser (Lausanne, Switzerland)

Sciatic nerve block with different approaches
Matthias Desmet (Kortrijk, Belgium)

Neuraxial and paravertebral blocks
Urs Eichenberger (Zurich, Switzerland)

Ultrasound guided regional anaesthesia 4
**IMPORTANT NOTICE: access is limited to pre-registered delegates

Room 6

Chair:
Eric Albrecht (Lausanne, Switzerland)

Interscalene and supraclavicular brachial plexus blocks
José Alejandro Aguirre (Zurich, Switzerland)

Infraclavicular and axillary brachial plexus blocks
Sina Grape (Sion, Switzerland)

Chest and abdominal wall blocks
Stephane Villet (Fribourg, Switzerland)*

Femoral nerve, iliofascial, and adductor canal blocks
Philippe Lasser (Lausanne, Switzerland)

Sciatic nerve block with different approaches
Matthias Desmet (Kortrijk, Belgium)

Neuraxial and paravertebral blocks
Urs Eichenberger (Zurich, Switzerland)
**Ultrasound guided regional anaesthesia 5**

**Chair:**
Eric Albrecht (Lausanne, Switzerland)

**Interscalene and supraclavicular brachial plexus blocks**
Pablo Mondragon (Fribourg, Switzerland)*

**Infraclavicular and axillary brachial plexus blocks**
Eric Weber (Sion, Switzerland)

**Chest and abdominal wall blocks**
Sheriff Abbas (Louvain, Belgium)

**Femoral nerve, iliofascial, and adductor canal blocks**
Christian Balmer (Sion, Switzerland)

**Sciatic nerve block with different approaches**
Sébastien Bloc (Quincy-Sous-Sénart, France)

**Neuraxial and paravertebral blocks**
Marc René Suter (Lausanne, Switzerland)

**Ultrasound guided regional anaesthesia 6**

**Chair:**
Eric Albrecht (Lausanne, Switzerland)

**Interscalene and supraclavicular brachial plexus blocks**
Pablo Mondragon (Fribourg, Switzerland)*

**Infraclavicular and axillary brachial plexus blocks**
Eric Weber (Sion, Switzerland)

**Chest and abdominal wall blocks**
Sheriff Abbas (Louvain, Belgium)

**Femoral nerve, iliofascial, and adductor canal blocks**
Christian Balmer (Sion, Switzerland)

**Sciatic nerve block with different approaches**
Sébastien Bloc (Quincy-Sous-Sénart, France)

**Neuraxial and paravertebral blocks**
Marc René Suter (Lausanne, Switzerland)
ESA CTN research in action: results and challenges in current projects
Symposium organised by ESA Research Committee

Chair: Wolfgang F. Buhre (Maastricht, Netherlands)*

PROBESE: PRotective ventilation with higher versus lower positive end-expiratory pressure during general anaesthesia for surgery in OBESE patients – Randomised controlled trial
Marcelo Gama de Abreu (Dresden, Germany)*

NECTARINE NEonate – Children STudy of Anaesthesia pRactice IN Europe – Observational Trial
Nicola Disma (London, United Kingdom)

EpiMAP European Practices in the Management of Accidental Dural Puncture in Obstetrics – Observational Trial
Anil Gupta (Stockholm, Sweden)

An innovative approach to the airways
Symposium organised by the National Organising Committee (NOC)

Chair: Patrick Schoettker (Lausanne, Switzerland)*

Intubation or Oxygenation? Do both!
Lorenz Theiler (Bern, Switzerland)

Is technology the answer to airway management?
Patrick Schoettker (Lausanne, Switzerland)*

Learn or die: resource management in difficult airway
Mark Stacey (Cardiff, United Kingdom)

Networking with the experts on regional anaesthesia
Symposium organised by the ESA Trainee Network (ESA TN)

Chair: Gabriella Iohom (Cork, Ireland)

Regional anaesthesia in the trauma patient
Matthias Desmet (Kortrijk, Belgium)

Regional anaesthesia in the high risk patient
José Alejandro Aguirre (Zurich, Switzerland)

Complications after regional anaesthesia
Eric Albrecht (Lausanne, Switzerland)

Procedural sedation in adult (PSA): ESA guidelines
Symposium organised by the ESA Guidelines Committee
**Chair:**
Thomas Fuchs-Buder (Nancy, France)*

**The procedural sedation affair**
Edoardo De Robertis (Naples, Italy)*

**ESA guidelines on PSA: competences required**
Massimo Lamperti (Abu Dhabi, United Arab Emirates)

**ESA recommendations on PSA**
Jochen Hinkelbein (Köln, Germany)

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**ESASS Symposium**
**Sunday, 4 June**
**14:00 – 15:30**
**Room 2**

**Perioperative medicine in Europe: do we all within the ESA have the same definition?**
Symposium organised by the National Anaesthesiologists Societies Committee (NASC)

**Chairs:**
Dan Longrois (Paris, France)
Stefan De Hert (Ghent, Belgium)

**What is perioperative medicine?**
Helene Beloeil (Rennes, France)

**The ASA experience with perioperative medicine: what could be shared with the ESA?**
Beverly K. Philip (Boston, United States)

**The challenges of implementing/financing perioperative medicine in Europe**
Dorel Sandesc (Timisoara, Romania)

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**ESAS6 Symposium**
**Sunday, 4 June**
**16:00 – 17:00**
**Room 2**

**Big data - big trials**
Symposium organised by the European Journal of Anaesthesiology (EJA)

**Chair:**
Martin Tramèr (Geneva, Switzerland)

**Speaker**
Paul Myles (Melbourne, Australia)

**Discussion**

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**ESAS7 Symposium**
**Sunday, 4 June**
**16:00 – 17:30**
**Room V**

**ESA Research Grant Programme**
Symposium organised by ESA Research Committee

**Chair:**
Alexander Zarbock (Muenster, Germany)

**Evaluation - Impact of the ESA Research Grant Programme**
Alexander Zarbock (Muenster, Germany)

**EUSOS: Summary of results after 6 years**
Wolfgang F. Buhre (Maastricht, Netherlands)*

**How to apply for a grant**
Donal J. Buggy (Dublin, Ireland)*

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**ESAS8 Symposium**
**Monday, 5 June**
**08:30 – 10:00**
**Room 2**

**Meet the Editors-in-Chief**
Symposium organised by the European Journal of Anaesthesiology (EJA)
Presentations about editing-related issues, delivered by editors-in-chief of anaesthesia journals

Where are our next editors/peer reviewers going to come from? (Acta Anaesthesiologica Scandinavica)
Michael Haney (Umeå, Sweden)

Forcing Strategy' to improve the evaluation of clinical superiority in anaesthesia trials (Anaesthesia and Intensive Care)
Neville Gibbs (Nedlands, Australia)

Fraud - is there any difference between anaesthetic and non-anaesthetic journals in cases of potential data fabrication? (Anaesthesia)
Andrew Klein (Cambridge, United Kingdom)*

The problem with (and solution to) pilot studies (Canadian Journal of Anesthesia)
Hilary P. Grocott (Winnipeg, Canada)

Replicability, reproducibility, and fragility of research findings (Anesthesia & Analgesia)
Jean-François Pittet (Birmingham, United States)

Minimal reporting standards (Pediatric Anesthesia)
Andrew Davidson (Parkville, Australia)

Predators and prey in publishing (British Journal of Anaesthesia)
Hugh C. Hemmings (New York, United States)

Definitions and criteria for postoperative cognitive dysfunction and other perioperative cognitive disorders

Room 3

Chair:
Alexander Zlotnik (Beer Sheva, Israel)

Nomenclature for postoperative cognitive disorders
Lis Evered (Melbourne, Australia)

Postoperative delirium in the elderly: we need to improve perioperative care
Mark Coburn (Aachen, Germany)

Long-term consequences and possible mechanisms of perioperative cognitive disorders
Lis Evered (Melbourne, Australia)
**Individualised risk assessment and postoperative complications**
Symposium organised by the National Organising Committee (NOC)

**Room 3**

**Chair:**
Bernhard Walder (Geneva, Switzerland)

**Improved prediction with validated scores**
Bernhard Walder (Geneva, Switzerland)

**Cardiac risk for the non-cardiac surgery patient**
Miodrag Filipovic (St. Gallen, Switzerland)*

**Treatment of postoperative respiratory complications without mechanical ventilation**
Hans Ulrich Rothen (Bern, Switzerland)

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**Young Teaching Recognition Award winners giving refresher courses**

**Room 4**

**A hint of fear - the obstetric airway**
Petramay Cortis (Msida, Malta)

**Regional analgesia techniques for post-operative pain control of non-cosmetic and cosmetic breast surgeries**
Salviz Emine Aysu (Istanbul, Turkey)

**Patient Blood Management**
Dania Fischer (Frankfurt, Germany)*

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**Paediatric anaesthesia in Europe: the APRICOT study**
Symposium organised by ESA Research Committee

**Room V**

**Chair:**
Walid Habre (Geneva, Switzerland)

**Epidemiologic data on paediatric anaesthesia practice in Europe**
Nicola Disma (London, United Kingdom)

**Major outcomes and primary results**
Francis Veyckemans (Lille, France)

**Risk factors for severe critical events**
Katalin Virag (Szeged, Hungary)

**What did we learn and what can we do to improve**
Walid Habre (Geneva, Switzerland)
How we can learn more from each other...
Symposium organised by the Hospital Visiting and Training Accreditation Programme (HVTAP) joint Committee formed by the European Society of Anaesthesiology (ESA) and the European Board of Anaesthesiology (EBA)

Chairs:
Ioana Grigorias (Iasi, Romania)*
Benedikt Pannen (Düsseldorf, Germany)

How to build a network? Future perspectives for collaboration and exchange among certified training centres
Benedikt Pannen (Düsseldorf, Germany)

How to teach the teacher? The mentor qualification programme at the University of Helsinki
Leila Niemi-Murola (Helsinki, Finland)

How to give structured feedback to trainers and trainees?
Amaury Govaerts (Geneva, Switzerland)

How to define and measure the quality of training?
Götz Wietasch (Groningen, Netherlands)

History of anaesthesia
Chair:
David Wilkinson (Bishops Stortford, United Kingdom)

The evolution of Swiss anaesthesia; so different from the Federal Republic of Germany
Petermann Heike (Munster, Germany)

Great Swiss scientific presentations
Jean-François Pittet (Birmingham, United States)

The rise and fall of European anaesthesia societies
David Wilkinson (Bishops Stortford, United Kingdom)

Trainees for Trainees
Symposium organised by the ESA Trainee Network (ESA TN)

Challenges in perioperative care of high risk surgical patients
Bernardo Bollen Pinto (Geneva, Switzerland)

Pulse contour continuous cardiac output, Vigileo® and company! Or can I just also have a look on the patient and use other parameters?
Müller-Muttonen Steve-Oliver (Villach, Austria)

The values of focused assessment transthoracic echo in the emergency setting
Benjamin Greatorex (Oxford, United Kingdom)
<table>
<thead>
<tr>
<th>Lecture</th>
<th>Date</th>
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<th>Title</th>
<th>Chair</th>
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<tr>
<td>ESAL1</td>
<td>Saturday, 3 June</td>
<td>09:45 – 10:30</td>
<td>Sir Robert Macintosh Lecture&lt;br&gt;Perioperative medicine</td>
<td>Zeev Goldik (Haifa, Israel)*</td>
<td>Monty Mythen (London, United Kingdom)*</td>
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<td>ESAL2</td>
<td>Saturday, 3 June</td>
<td>16:00 – 16:45</td>
<td>Mobile health systems, what they have to offer and how they will affect medical practice&lt;br&gt;Lecture organised by the National Organising Committee (NOC)</td>
<td>Bernhard Walder (Geneva, Switzerland)</td>
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<td>ESAL3</td>
<td>Sunday, 4 June</td>
<td>09:30 – 10:15</td>
<td>Hot Topics in Pain Medicine - Last 12 months’ top publications</td>
<td>Marco Abraham Marcus (Doha, Qatar)</td>
<td>Acute and post-operative pain&lt;br&gt;Esther Pogatzki-Zahn (Muenster, Germany)*&lt;br&gt;Chronic pain and palliative medicine&lt;br&gt;Jan Van Zundert (Genk, Belgium)</td>
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<td>ESAL4</td>
<td>Sunday, 4 June</td>
<td>14:00 – 14:45</td>
<td>Hot Topics in Critical Emergency Medicine - Last 12 months’ top publications</td>
<td>Karl-Christian Thies (Birmingham, United Kingdom)</td>
<td>Speaker&lt;br&gt;Torben Wisborg (Tromsoe, Norway)</td>
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<td>ESAL5</td>
<td>Monday, 5 June</td>
<td>10:30 – 11:15</td>
<td>Hot Topics in Intensive Care Medicine - Last 12 months’ top publications</td>
<td>Gernot Marx (Aachen, Germany)*</td>
<td>Speaker&lt;br&gt;Sharon Einav (Jerusalem, Israel)</td>
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</tbody>
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**Hot Topics in Anaesthesiology - Last 12 months’ top publications**

**Chair:**
Charles-Marc Samama (Paris, France)

**Speaker**
Andreas Hoeft (Bonn, Germany)

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**Best Abstract Prize Competition (BAPC)**

**Chairs:**
Charles Marc Samama (France)
Anthony Absalom (Netherlands)
Cesare Gregoretti (Italy)*

**BAPC-1**
Effectiveness of personalised physical training intervention (prehabilitation) in high-risk patients undergoing elective major abdominal surgery: a randomised controlled trial
Ubré M., Risco R., Barberan-Garcia A., Roca J., de Lacy A.M., Martinez-Palli G.

**BAPC-2**
The effect of age on oral liquid oxycodone pharmacokinetics in paediatric patients
Sriswasdi P., Dube C., Pereira L., Berde C., Goobie S.

**BAPC-3**
Influence of xenon on pulmonary mechanics and tidal volume distribution
Schaefer M.S., Gauch J., Trescan T.A., Kienbaum P.

**BAPC-4**
Distribution of lung inflammation during assisted mechanical ventilation with titrated end-expiratory transpulmonary pressures in experimental acute respiratory distress syndrome
Kiss T., Bluth T., Braune A., Vivona L., Huhle R., Gama de Abreu M.

**BAPC-5**
Effects of dexamethasone on cognitive dysfunction following cardiac surgery
Glumac S., Kardum G., Karanovic N.

**BAPC-6**
Functional connectivity modulations in resting state and offset analgesia in chronic pain patients: an fMRI study
Li T., Ikeda E., Kobinata H., Zhang S., Makita K., Kurata J.

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**Young Teaching Recognition Award (YTRA)**

**Chairs:**
Dan Longrois (France)
Andreas Sandner-Kiesling (Austria)
Benedikt Preckel (Netherlands)
Diogo Sobreira Fernandes (Portugal)

You ready for massive bleeding in obstetrics?
Marina Sarkele (Riga, Latvia)

Rapid sequence spinal anaesthesia for caesarean section
Mariana Correia (Lisbon, Portugal)

Rotem trauma testing
Igor Vaskovic (Belgrade, Serbia)

Neuraxial analgesia for labour: standard techniques versus novel approach
Selin Erel (Ankara, Turkey)
## GUEST SESSIONS

### GUEST1 Symposium
**Saturday, 3 June**
**14:00 – 15:30**

**Ethical care in ICU: daily issues**
Symposium organised by the European Society of Intensive Care (ESICM)

**Chair:**
Jozef Kesecioglu (Utrecht, Netherlands)

- **Brain death definition: is brain dead...dead enough?**
  Giuseppe Citerio (Monza, Italy)

- **Resuscitative Extracorporeal Life Support: how much bang for the buck?**
  Jozef Kesecioglu (Utrecht, Netherlands)

- **Variation in end-of-life care: do we need yet another SOP?**
  Andrej Michalsen (Tettnang, Germany)

### GUEST2 Symposium
**Saturday, 3 June**
**17:00 – 18:30**

**Simulation in postgraduate training**
Symposium organised in collaboration with the European Board of Anaesthesiologists (EBA)

**Chairs:**
Doris Østergaard (Herlev, Denmark)
Georges Savoldelli (Geneva, Switzerland)

- **Should simulation be compulsory in PG training?**
  Georges Savoldelli (Geneva, Switzerland)

- **How to implement simulation based training in post graduate medical education?**
  Doris Østergaard (Herlev, Denmark)

- **Simulation for learning team dynamics - systemic debriefing methods**
  Michaela Kolbe (Zürich, Switzerland)*

- **What can I make of these concepts as a clinical teacher**
  Leila Niemi-Murola (Helsinki, Finland)

### GUEST3 Symposium
**Sunday, 4 June**
**08:30 – 10:00**

**Cardiopulmonary resuscitation (CPR) and medical emergency team (MET). Up-to-date technology**
Symposium organised by European Society for Computing and Technology in Anaesthesia and Intensive Care (ESCTAIC)

**Chairs:**
Gabriel Gurman (Beer Sheva, Israel)
Bernd Böttiger (Cologne, Germany)*

- **IT support for early warning scores**
  Chris Subbe (London, United Kingdom)

- **Mobile phone dispatch for first responders and laypersons - in-and out-of-hospital**
  Michael Müller (Freiburg, Germany)

- **Evolution of automatic external cardiac massage devices - when to use**
  Bernd Böttiger (Cologne, Germany)*
Endotracheal tube (ETT) current status and future directions
Symposium organised by European Society for Computing and Technology in Anaesthesia and Intensive Care (ESCTAIC)

Chair:
Gabriel Gurman (Beer Sheva, Israel)

The endotracheal tube cuff - a small device with a huge task
Gabriel Gurman (Beer Sheva, Israel)

Endotracheal tube and its related complications
William Denman (Boston, United States)

New developments and technologies aiming to reduce endotracheal tube related complications
Shai Efrati (Rishon Le’tzion, Israel)

IFNA-EBA-ESA Task Force
Session organised by the International Federation of Nurse Anesthetists (IFNA) in collaboration with the ESA and the European Board of Anaesthesiologists (EBA)

Chairs:
Charles-Marc Samama (Paris, France)
Pascal Rod (Mantes la Jolie, France)

The anaesthetic team, a model in practice: the Scandinavian experience and the EBA view
Jannicke Mellin-Olsen (Sandvika, Norway)
Brian Kinirons (Galway, Ireland)

How to enable comparability of nurse anaesthesia competencies across borders
Marianne Riesen (Schaffhausen, Switzerland)

An example for validating and implementing the CanMEDS-based IFNA standards
Christian Herion (Aarau, Switzerland)*

Modern aspects of procedural sedation
Symposium organised by the European Society for Intravenous Anaesthesia (EUROSIVA)

Chair:
Alain Borgeat (Zurich, Switzerland)

Who should perform sedation?
Claude Meistelman (Nancy, France)

Does sedation influence cognitive function?
Olivier Langeron (Paris, France)

Tips for sedation during regional anaesthesia
Alain Borgeat (Zurich, Switzerland)
Liver and coagulation
Symposium organised by the Liver Intensive Care Group of Europe (LICAGE)

**Chairs:**
Fuat Saner (Essen, Germany)*
John Klinck (Cambridge, United Kingdom)

**How best monitoring coagulation in the operation room in year**
Anabela Blasi (Barcelona, Spain)

**Fresh Frozen Plasma (FFP), Platelets, Factors Concentrates: how and when**
Koen Reyntjens (Groningen, Netherlands)

**Coagulation in liver disease: facts and myths**
Gianni Biancofiore (Pisa, Italy)

**Hands on: how I managed this difficult case**
Dana Tomsescu (Bucharest, Romania)

Anaesthetic toxicity-what you need to know in 2017
Symposium organised by the American Society of Anesthesiologists (ASA)

**Chair:**
Brenda Gentz (Tucson, United States)

**Neurotoxicity of local anaesthetics**
Andrew Rosenberg (New York, United States)

**Neurodevelopmental toxicity of general anaesthetics in infants and children**
Sulpicio Soriano (Boston, United States)

**Systemic toxicity of local anaesthetics**
Brenda Gentz (Tucson, United States)

Postoperative outcome: the role of anaesthesiologists
Symposium organised by the Chinese Society of Anaesthesiology (CSA)

**Chairs:**
Yuguang Huang (Beijing, China)
Daniela Filipescu (Bucharest, Romania)

**Pre-anaesthesia TTE fast scan reduces postoperative mortality in unstable patients undergoing emergency surgery**
Jin Liu (Chengdu, China)

**Anaesthesia and cancer recurrence**
Yuguang Huang (Beijing, China)

**Molecular hydrogen, a therapeutic medical gas in anaesthesiology, critical medicine and pain**
Guo-lin Wang (Beijing, China)

**The role of acupuncture in Enhanced Recovery After Surgery (ERAS): opportunities and challenges**
Qiang Wang (Xi’an, China)

Contemporary studies of pain from basic research to clinical practice
Symposium organised by the International Anaesthesia Research Society (IARS)
Chair: Emery Brown (Boston, United States)

Beyond Enhanced Recovery After Surgery (ERAS): biologic systems which regulate speed of recovery after injury
James C. Eisenach (Winston-Salem, United States)*

New insights into human pain mechanisms from advanced neuroimaging
Irene Tracey (Oxford, United Kingdom)

Opioid-free anaesthesia: theory and practice
Marusa Naranjo (Mérida, Mexico)

Key points in providing general anaesthesia for the obese patients
Symposium organised by the European Society for Perioperative Care of the Obese Patient (ESPCOP)

Hemodynamic monitoring in the obese
Roman Schumann (Boston, United States)

How to make optimum use of pulse oximetry in the obese
Tomasz Gaszynski (Lodz, Poland)

Measuring neuromuscular blockade and intraoperative nociception
Jan Paul Mulier (Bruges, Belgium)

Intra-operative pulmonary monitoring
Paolo Pelosi (Genoa, Italy)

Monitoring and outcome in anaesthesia
Symposium organised by the Brazilian Society of Anesthesiology (SBA)

Does EEG monitoring reduce morbidity and mortality?
Rogean Rodrigues Nunes (Fortaleza, Brazil)*

Hemodynamic monitoring in high-risk patients
Enis Donizetti Silva (São Paulo, Brazil)

How beneficial is intraoperative temperature control?
Eduardo Giroud Joaquim (São Paulo, Brazil)

Use of ultrasound paediatric regional anaesthesia: state of the art evidence
Symposium organised by the Society for Ultrasound in Anaesthesia (SUA)

Ultrasound guided Transversus Abdominis Plane (TAP) block in children, potential and practice
Alberto Benigni (Bergamo, Italy)
Ultrasound trunk blocks for paediatric thoracic surgery
Nekrasov Konstantin (Petah Tiqwa, Israel)

Ultrasound guided caudal blocks in paediatric patients
Candice Burrier (Columbus, United States)

Use of ultrasound in paediatric anaesthesia: is it always necessary?
Luciano Anselmi (Bellinzona, Switzerland)

Evidence-based recommendations for anaesthesia practice: a critical appraisal
Symposium organised by the New York State Society of Anesthesiologists (NYSSA)

Chair:
Richard Beers (Syracuse, United States)

The evidence for practices to prevent infectious transmission during anaesthesia care
Richard Beers (Syracuse, United States)

The evidence for practices to prevent Central Nervous System (CNS) complications during anaesthesia and surgery
Audree Bendo (Brooklyn, United States)

The evidence for practices to prevent complications from regional anaesthesia
Rose Berkun (Buffalo, United States)

Evidence in clinical decision-making: high to low income countries
Symposium organised by the World Federation of Societies of Anaesthesiology (WFSA)

Chair:
Davy Cheng (London, Canada)

Anaesthetic drugs: ketamine versus intravenous versus inhalation anaesthesia and postop pain management - Context in low-income countries
Bisola Onajin-Obembe (Port Harcourt, Nigeria)

Monitoring technologies: minimal or airbus cockpit?*
Claude Martin (Marseille, France)

Perioperative techniques: how can anaesthetic-related mortality in the low-income countries keep pace with the high-income countries?
Janet Martin (London, Canada)

GENERAL ANAESTHESIOLOGY
Learning Track 1

Core temperature monitoring and management
Room V

Chair:
Jan Hendrickx (Aalst, Belgium)*
Core temperature monitoring and management
Oliver Kimberger (Vienna, Austria)*

Postoperative referral to intermediate or intensive care: criteria to stratify patients

Chair: Andreas Hoeft (Bonn, Germany)
Pre and post-operative considerations
Maxime Cannesson (Los Angeles, United States)*
Rescue from normal ward
Andreas Hoeft (Bonn, Germany)

Update on non-invasive monitoring for goal directed hemodynamic fluid management

Chair: Thomas W.L. Scheeren (Groningen, Netherlands)*
Oscillometric blood pressure measurement
Andreas Hoeft (Bonn, Germany)*
Volume unloading methods for arterial pressure tracings
Michael Sander (Gießen, Germany)*
Pulse Oximetry derived methods
Maxime Cannesson (Los Angeles, United States)*

New drugs and therapies

Chair: Markus W. Hollmann (Amsterdam, Netherlands)
New intravenous anaesthetics
J. Robert Sneyd (Plymouth, United Kingdom)*
New analgesics
David G. Lambert (Leicester, United Kingdom)*
Novel local anaesthetics and peripheral antinociceptive drugs
Philip Lirk (Boston, United States)

Monitoring of intraoperative events

Chairs:
Maxime Cannesson (Los Angeles, United States)*
Emmanuel Boselli (Lyon, France)*
Use of big data and machine learning for prediction of hypotensive events during anaesthesia
Maxime Cannesson (Los Angeles, United States)*
Emerging techniques for fluid responsiveness prediction
Simon Vistisen (Aarhus, Denmark)*
Non-invasive monitoring for prediction of an impending hypoxic state during anaesthesia
Thomas W.L. Scheeren (Groningen, Netherlands)*
### Automated systems for analgesia, sedation and anaesthesia: new developments

**Room B**

**Chair:**
Michel Struys (Groningen, Netherlands)*

<table>
<thead>
<tr>
<th>Topic</th>
<th>Speaker</th>
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<tbody>
<tr>
<td>Patient controlled and closed loop analgesia and sedation</td>
<td>Michel Struys (Groningen, Netherlands)*</td>
</tr>
<tr>
<td>Closed loop fluid management</td>
<td>Maxime Cannesson (Los Angeles, United States)*</td>
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<tr>
<td>Smart visualization of anaesthesia pharmacokinetics</td>
<td>Richard Ellerkmann (Bonn, Germany)</td>
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</tbody>
</table>

### Stratifying perioperative patient pathway

**Room 5**

**Chair:**
Georg Baumgarten (Bonn, Germany)

<table>
<thead>
<tr>
<th>Topic</th>
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<tbody>
<tr>
<td>Perioperative Biomarkers</td>
<td>Radmilo Jankovic (Nis, Serbia)</td>
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<tr>
<td>Risk scores for pre- and postoperative risk management</td>
<td>Dan Longrois (Paris, France)</td>
</tr>
<tr>
<td>Postoperative surveillance of patients (biomarkers, monitoring, visit)</td>
<td>Leif Saager (Ann Arbor, United States)</td>
</tr>
<tr>
<td>Symposium</td>
<td>Date and Time</td>
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</table>
| S01S7     | Monday, 5 June 14:00 – 15:30 | V    | Monitoring organ function | Thomas W.L. Scheeren (Groningen, Netherlands) | Non-invasive liver function monitoring: Jaap Jan Vos (Groningen, Netherlands)  
Monitoring of lung protective ventilation: Marcelo Gama de Abreu (Dresden, Germany)*  
Oxygen delivery monitoring during cardiopulmonary bypass to prevent acute kidney injury: Marco Ranucci (Milan, Italy) |
| S01S8     | Monday, 5 June 16:00 – 17:30 | 1    | Non-invasive monitoring and goal directed therapy | Jean-Luc Fellahi (Lyon, France)* | Non-invasive cardiac output monitoring: Bernd Saugel (Hamburg, Germany)*  
Functional haemodynamic monitoring: Didier Payen (Paris, France)  
Goal directed therapy - which goals do we have, what is their evidence and value?: Thomas W.L. Scheeren (Groningen, Netherlands)* |
| S01S9     | Monday, 5 June 16:00 – 17:30 | W    | Update on malignant hyperthermia | Philip Hopkins (Leeds, United Kingdom) | Atypical presentations of malignant hyperthermia: Henrik Rueffert (Leipzig, Germany)  
Malignant hyperthermia and the obstetric anaesthetist: Thierry Girard (Basel, Switzerland)  
Neuromuscular diseases and malignant hyperthermia: Marc Snoeck (Nijmegen, Netherlands) |
<p>| L01L1     | Sunday, 4 June 09:45 – 10:30 | W    | Pharmacology under extreme conditions | Marc Moritz Berger (Salzburg, Austria) | Speaker: Peter Paal (Salzburg, Austria) |</p>
<table>
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<tr>
<th>Time</th>
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<tbody>
<tr>
<td>11:00 – 11:45</td>
<td>Lecture 01L2: How anaesthesia and intensive care will be affected by Dr. Google, Dr. Watson and Prof. Bot</td>
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<td>Chair: Daniela Filipescu (Bucharest, Romania)</td>
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<td>Speaker: Andreas Hoeft (Bonn, Germany)</td>
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<tr>
<td>16:00 – 16:45</td>
<td>Lecture 01L3: Is patient’s outcome related to the anaesthesiologist?</td>
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<td>Chair: Andreas Hoeft (Bonn, Germany)</td>
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<td>Speaker: Thomas Schnider (St.Gallen, Switzerland)</td>
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<tr>
<td>09:30 – 10:30</td>
<td>Pro &amp; Con Debate: Total recall - Awareness is an overestimated problem: Pro-Con</td>
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<td>Chair: Ellen P. O'Sullivan (Dublin, Ireland)</td>
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<td>Pro: Jaideep Pandit (Oxford, United Kingdom)</td>
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<td>Con: Anthony Absalom (Groningen, Netherlands)</td>
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</table>
# Ambulatory Anaesthesia

## Learning Track 2

### Refresher Course

**Saturday, 3 June**

**16:00 – 16:45**

**Ambulatory anaesthesia for the obese patient**

**Chair:** Johan Raeder (Oslo, Norway)

**Speaker:** Mark Skues (Chester, United Kingdom)

### Symposium

**Sunday, 4 June**

**09:30 – 10:30**

**Office based anaesthesia: is it feasible in Europe?**

**Chair:** Mark Skues (Chester, United Kingdom)

**Regulatory aspects**

Beverly K. Philip (Boston, United States)

**Practical and safety considerations**

Johan Raeder (Oslo, Norway)

**Sunday, 4 June**

**14:00 – 15:30**

**Problems after discharge from ambulatory surgery**

**Chair:** Gilda Cinnella (Foggia, Italy)

**Postoperative fatigue after ambulatory anaesthesia**

Torkjell Nostdahl (Skien, Norway)

**Rebound pain after regional block (and ambulatory?)**

Patricia Lavand’homme (Brussels, Belgium)

**Post discharge nausea and vomiting**

Anil Gupta (Stockholm, Sweden)
### Regional Anaesthesia Learning Track 3

<table>
<thead>
<tr>
<th>Code</th>
<th>Event Type</th>
<th>Date</th>
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<th>Description</th>
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<tr>
<td>RC</td>
<td>Refresher Course</td>
<td>Saturday, 3 June</td>
<td>16:00 – 16:45</td>
<td>State of the art: upper limb blocks</td>
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<tr>
<td>S</td>
<td>Symposium</td>
<td>Saturday, 3 June</td>
<td>11:00 – 12:00</td>
<td>Game changers in regional anaesthesia</td>
<td>X</td>
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<tr>
<td>S</td>
<td>Symposium</td>
<td>Saturday, 3 June</td>
<td>14:00 – 15:30</td>
<td>Anaesthesia and analgesia for shoulder surgery</td>
<td>X</td>
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<tr>
<td>D</td>
<td>Pro &amp; Con Debate</td>
<td>Sunday, 4 June</td>
<td>09:30 – 10:30</td>
<td>Sedation is routinely used in patients having surgery under regional anaesthesia: Pro-Con</td>
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<tr>
<td>D</td>
<td>Pro &amp; Con Debate</td>
<td>Sunday, 4 June</td>
<td>11:00 – 12:00</td>
<td>Regional anaesthesia can be performed in patients at risk for acute compartment syndrome: Pro-Con</td>
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#### State of the art: upper limb blocks

**Chair:** Jens Kessler (Heidelberg, Germany)*

**Speaker:** Tim Maecken (Bochum, Germany)*

#### Game changers in regional anaesthesia

**Chair:** Gabriella Iohom (Cork, Ireland)

**Central neuraxial blockade**

Xavier Capdevila (Montpellier, France)

**Peripheral nerve blockade**

Herve Bouaziz (Nancy, France)*

#### Anaesthesia and analgesia for shoulder surgery

**Chair:** Jens Kessler (Heidelberg, Germany)*

**Advances in the surgical technique**

Christian Gerber (Zurich, Switzerland)

**Anatomy: innervation of the shoulder and common nerve blocks**

Herve Bouaziz (Nancy, France)*

**Multimodal analgesia: do we still need to block the shoulder?**

Jens Kessler (Heidelberg, Germany)*

#### Sedation is routinely used in patients having surgery under regional anaesthesia: Pro-Con

**Chair:** Herve Bouaziz (Nancy, France)*

**Pro**

Imad T. Awad (Toronto, Canada)

**Con**

Stephen Mannion (Cork, Ireland)

#### Regional anaesthesia can be performed in patients at risk for acute compartment syndrome: Pro-Con
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<tr>
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<th>Name</th>
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<tr>
<td>Chair</td>
<td>Xavier Capdevila</td>
<td>Montpellier, France</td>
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<td>Stephen Mannion</td>
<td>Cork, Ireland</td>
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<tr>
<td>Con</td>
<td>James Harty</td>
<td>Cork, Ireland</td>
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</table>
**Refresher Course**

**Saturday, 3 June**

16:00 – 16:45

*The parturient with neurological problems*

**Chair:**
Dan Benhamou (Paris, France)

**Speaker:**
Marcel Vercauteren (Edegem, Belgium)

**Symposium**

**Sunday, 4 June**

16:00 – 17:30

*The postoperative period revisited*

**Chair:**
Frédéric Mercier (Clamart, France)*

**Early recovery after caesarean section: is it needed or not?**
Dan Benhamou (Paris, France)*

**Chronification of post C-section pain**
Ruth Landau (New York, United States)

**Breast feeding and postoperative analgesia: facts versus myths**
Sarah Devroe (Leuven, Belgium)

**Symposium**

**Monday, 5 June**

16:00 – 17:30

*Mother friendly delivery: better understanding of maternal expectations and comfort?*

**Chair:**
Ruth Landau (New York, United States)

**'Natural' C-section: does it exist?**
Felicity Plaat (London, United Kingdom)

**What affects pain perception in the parturient?**
Michela Camorcia (Rome, Italy)

**Gastric emptying: can solid food during labour analgesia be allowed?**
Dominique Chassard (Lyon, France)

**Lecture**

**Saturday, 3 June**

11:00 – 11:45

*Hot topics in obstetric analgesia and anaesthesia - Last 12 months’ top publications*

**Chair:**
Marcel Vercauteren (Edegem, Belgium)

**Speaker:**
Marc Van de Velde (Leuven, Belgium)*

**Lecture**

**Sunday, 4 June**

11:00 – 11:45

*The Geraldine O’Sullivan Lecture*
Conversion from labour analgesia to Caesarean section anaesthesia: how to avoid general anaesthesia?

Chair:
Marc Van de Velde (Leuven, Belgium)

Speaker
Emilia Guasch (Madrid, Spain)
<table>
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<th>Session</th>
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<tr>
<td>RC</td>
<td>Saturday, 3 June</td>
<td>10:00 – 11:45</td>
<td>Anaesthesia for paediatric orthopaedic surgery</td>
<td>Room 4</td>
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<td>Chair: Walid Habre (Geneva, Switzerland)</td>
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<td>Speaker Thomas Engelhardt (Aberdeen, UK)</td>
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<td>RC</td>
<td>Saturday, 3 June</td>
<td>16:00 – 16:45</td>
<td>Postoperative delirium and agitation in children</td>
<td>Room W</td>
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<td>Chair: Martin Jöhr (Luzern, Switzerland)</td>
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<td>Speaker Francis Veyckemans (Lille, France)</td>
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<td>S</td>
<td>Saturday, 3 June</td>
<td>11:00 – 12:00</td>
<td>Perioperative acute pain therapy in children</td>
<td>Room W</td>
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<td>Chair: Karin Becke (Nürnberg, Germany)</td>
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<td>S</td>
<td>Saturday, 3 June</td>
<td>17:00 – 18:30</td>
<td>Best practice in paediatric anaesthesia</td>
<td>Room 4</td>
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<td>Symposium organised in collaboration with ESPA</td>
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<td>Chairs: Francis Veyckemans (Lille, France)</td>
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<td>Ehrenfried Schindler (Sankt Augustin, Germany)</td>
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<td>What are the critical issues influencing best outcome in children? Markus Weiss (Zürich, Switzerland)</td>
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<td>Institutional competence in paediatric anaesthesiology: what does that mean? Karin Becke (Nürnberg, Germany)</td>
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<td>Best practice in risk management and avoiding complications in paediatric anaesthesia Ignacio Galvez Escalera (Palma de Mallorca, Spain)</td>
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<tr>
<td>S</td>
<td>Sunday, 4 June</td>
<td>08:15 – 09:15</td>
<td>Patient safety aspects in paediatric anaesthesia</td>
<td>Room 3</td>
</tr>
<tr>
<td></td>
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<td>Chair: Sven Staender (Männedorf, Switzerland)</td>
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</table>
Anaesthesia considerations in children with rare diseases - the Orphananaesthesia Project
Tino Münster (Erlangen, Germany)*

How I define quality and safety in paediatric anaesthesia
Stephen Bolsin (Geelong, Australia)

EuroSTAR Session
Neurotoxicity, neuroplasticity and safe conduct of anaesthesia in children

Chair:
Tom Giedsing Hansen (Odense, Denmark)

Speaker
Laszlo Vutskits (Geneva, Switzerland)
Symposium: Gases for the brain

Saturday, 3 June
17:00 – 18:30
Room X

Chair:
Federico Bilotta (Rome, Italy)

Carbon dioxide
Markus Skrifvars (Helsinki, Finland)*

Xenon
Marianne Thoresen (Oslo, Norway)

Argon
Nicola Robertson (London, United Kingdom)*

Nitric oxide
Michael Fries (Limburg, Germany)*

Oxygen
Sharon Einav (Jerusalem, Israel)

Symposium: Neuroanaesthesia and neurocritical care: aspects of general interest

Sunday, 4 June
16:15 – 17:15
Room Q

Chair:
Michael Nathanson (Nottingham, United Kingdom)

Validation of the Scandinavian guidelines for initial management of minimal, mild and moderate traumatic brain injury in adults.
Johan Unden (Lund, Sweden)*

Guidelines on traumatic brain injury and subspecialty fellowship
Tarja Randell (Helsinki, Finland)

Symposium: Sedation and haemodynamic management in neurocritical care

Monday, 5 June
10:30 – 12:00
Room 1

Chair:
Shaun Gruenbaum (New Haven, United States)

Sedation in neurocritical care, use of inhalational agents
Rafael Badenes (Valencia, Spain)

Dexmedetomidine in neurocritical care
Georgia Tsaousi (Thessaloniki, Greece)

Hemodynamic management of neurocritical care patients
Fabio Taccone (Brussels, Belgium)

Symposium: Neuroanaesthesia: evolution of an established subspecialty

Monday, 5 June
14:00 – 15:30
Room X
Chair:
Alexander Zlotnik (Beer Sheva, Israel)

Blood loss in spine procedures
Dafna Wilner (Nahariya, Israel)

Anesthesia for tumour surgery
Shaun Gruenbaum (New Haven, United States)

Is admission to ICU always necessary after craniotomy
Carlo Alberto Castioni (Turin, Italy)
**RC07RC1 Refresher Course**

**Saturday, 3 June**  
11:00 – 11:45  
Room V

- **Congenital adult cardiac patient undergoing non-cardiac surgery**

  **Chair:**  
  Simon J. Howell (Leeds, United Kingdom)

  **Speaker:**  
  Marc Lilot (Lyon, France)

---

**RC07RC2 Refresher Course**

**Sunday, 4 June**  
11:00 – 11:45  
Room B

- **Perioperative handling of patients with implantable cardiac devices**

  **Chair:**  
  TBA

  **Speaker:**  
  Georg Baumgarten (Bonn, Germany)

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**S07S1 Symposium**

**Saturday, 3 June**  
17:00 – 18:30  
Room 3

- **The challenging cardiac patient undergoing non-cardiac anaesthesia**

  Symposium organised in collaboration with the European Association of Cardiothoracic Anaesthesiologists (EACTA)

  **Chairs:**  
  Benedikt Preckel (Amsterdam, Netherlands)  
  Simon J. Howell (Leeds, United Kingdom)

  **Anaesthesia for the patient with pulmonary hypertension**  
  Alain Vuylsteke (Cambridge, United Kingdom)

  **Anaesthesia for the patient with a heart and/or lung transplant**  
  Chris Walker (London, United Kingdom)

  **Infective endocarditis: a great mimic**  
  Fabio Guaraccino (Pisa, Italy)

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**S07S2 Symposium**

**Sunday, 4 June**  
14:00 – 15:30  
Room X

- **Cardiac implications of metabolic diseases**

  **Chair:**  
  Jean-Luc Fellahi (Lyon, France)

  **Pheochromocytoma**  
  Harald Groeben (Essen, Germany)

  **Tako-Tsubo syndrome**  
  Hans de Boer (Groningen, Netherlands)

  **The diabetic heart**  
  Julien Amour (Paris, France)
### Drugs and the heart: improving, calming and protecting the pump

**Chair:**
Marc Moritz Berger (Salzburg, Austria)

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<thead>
<tr>
<th>Title</th>
<th>Speaker</th>
<th>Location</th>
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<tbody>
<tr>
<td>Perioperative beta blocking therapy</td>
<td>Stefan De Hert</td>
<td>Ghent, Belgium</td>
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<td>Levosimendan and other calcium sensitisers</td>
<td>Lasse Lehtonen</td>
<td>Helsinki, Finland</td>
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<tr>
<td>Anaesthetic drug cardioprotection</td>
<td>Christa Boer</td>
<td>Amsterdam, Netherlands</td>
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### Every cardiac risk patient should be monitored by high sensitive troponins: Pro-Con

**Chair:**
Markus W. Hollmann (Amsterdam, Netherlands)

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<th>Speaker</th>
<th>Location</th>
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<tbody>
<tr>
<td>Pro</td>
<td>Every cardiac risk patient should be monitored by high sensitive troponins: <strong>Pro</strong></td>
<td>Giovanna Lurati Buse</td>
<td>Düsseldorf, Germany</td>
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<td>Con</td>
<td>Every cardiac risk patient should be monitored by high sensitive troponins: <strong>Con</strong></td>
<td>Idit Matot</td>
<td>Tel Aviv, Israel</td>
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</table>
**Improving postoperative pain management: different approaches**

**Chair:**
Marco Abraham Marcus (Doha, Qatar)

**How can acute pain registries influence daily life practice?**
Winfried Meissner (Jena, Germany)*

**How can Cochrane reviews and quality meta-analysis change daily life practice?**
Esther Pogatzki-Zahn (Muenster, Germany)*

**Opioid free anaesthesia: ideal or utopia?**

**Chair:**
Esther Pogatzki-Zahn (Muenster, Germany)*

**Pro**
Patricia Lavand’homme (Brussels, Belgium)
Jean-Pierre Estebe (Rennes, France)

**Con**
Philip Lirk (Boston, United States)
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<tr>
<td>09RC1</td>
<td>Saturday</td>
<td>16:00 – 16:45</td>
<td>Painful diabetic polyneuropathy</td>
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<td>Chair: Jan Van Zundert (Genk, Belgium)</td>
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<td>Speaker: Maarten van Kleef (Maastricht, Netherlands)</td>
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<tr>
<td>09S1</td>
<td>Sunday</td>
<td>08:30 – 09:30</td>
<td>New avenues to image and modulate pain</td>
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<td>Chair: Jean-Pierre Estebe (Rennes, France)</td>
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<td>Neuroinflammation: interest in postoperative pain?</td>
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<td>Marc René Suter (Lausanne, Switzerland)</td>
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<td>Placebo analgesia: mind up your brain</td>
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<td>Ulrike Bingel (Essen, Germany)</td>
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<td>09S2</td>
<td>Sunday</td>
<td>11:00 – 12:00</td>
<td>New indications for old molecules</td>
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<td>Chair: Marc René Suter (Lausanne, Switzerland)</td>
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<td>The role of cannabinoids for pain control</td>
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<td>Caterina Aurilio (Naples, Italy)</td>
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<td>Does the use of ketamine for pain treatment make a</td>
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<td>Marco Abraham Marcus (Doha, Qatar)</td>
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<td>09S3</td>
<td>Monday</td>
<td>10:30 – 12:00</td>
<td>The anaesthesiologist and end of life care</td>
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<td>Chair: László Zubek (Budapest, Hungary)</td>
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<td>What can the anaesthesiologist offer in palliative</td>
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<td>Gordon McGinn (Glasgow, United Kingdom)</td>
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<td>Non-opioid therapies in palliative care</td>
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<td>Vera Peuckmann-Post (Aachen, Germany)</td>
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<td>The double effect doctrine, palliative sedation</td>
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<td>therapy and their place in palliative care</td>
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<td>Nathalie Dieudonne-Rahm (Geneva, Switzerland)</td>
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<td>09S4</td>
<td>Monday</td>
<td>14:00 – 15:30</td>
<td>Evidence-based interventional pain medicine</td>
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Chair:
Caterina Aurilio (Naples, Italy)

Pain originating from the cervical facet joints
Maarten van Kleef (Maastricht, Netherlands)

Pain originating from the lumbar facet joints
Jan Van Zundert (Genk, Belgium)

Visceral pain
Philippe Mavrocordatos (Lausanne, Switzerland)*

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Physician-assisted suicide: Pro-Con

Chair:
László Zubek (Budapest, Hungary)

Pro
Nathalie Dieudonne-Rahm (Geneva, Switzerland)

Con
Calum MacKellar (Edinburgh, United Kingdom)
### Symposium 1051
**Saturday, 3 June**
**14:00 – 15:30**
**New developments in critical emergency medicine**

**Chair:**
Jochen Hinkelbein (Köln, Germany)

- **The Resuscitative Endovascular Balloon Occlusion of the Aorta (REBOA) turns the tap off!**
  Robbie Lendrum (Edinburgh and London, United Kingdom)*

- **Supraglottic airway - safer than an ET-Tube?**
  Arnd Timmermann (Berlin, Germany)

- **Peri-mortem C-section - a worst case scenario?**
  Sharon Einav (Jerusalem, Israel)

**Room Q**

### Symposium 1052
**Sunday, 4 June**
**16:00 – 17:30**
**Helicopter Emergency Medical Services (HEMS) – Risks, benefits and innovations**

**Chair:**
Luca Brazzi (Turin, Italy)

- **Does HEMS make a difference - the Danish experience**
  Jacob Steinmetz (Copenhagen, Denmark)

- **Use of pre-hospital blood products**
  Karl-Christian Thies (Birmingham, United Kingdom)

- **Incidents and accidents during HEMS missions in Germany, Europe, and the rest of the world**
  Jochen Hinkelbein (Köln, Germany)

**Room 4**

### Symposium 1053
**Monday, 5 June**
**08:30 – 10:00**
**Vital function care – the anaesthetic core competency**

**Chair:**
Kurt Ruetzler (Cleveland, United States)

- **Pre-hospital care**
  Karl-Christian Thies (Birmingham, United Kingdom)

- **Critical emergency medicine**
  Eldar Søreide (Stavanger, Norway)

- **The anaesthesiologist in the intensive care unit**
  Luca Brazzi (Turin, Italy)

- **Medical emergency teams**
  Kurt Ruetzler (Cleveland, United States)

**Room X**

### Symposium 1054
**Monday, 5 June**
**08:30 – 10:00**
**Building trauma networks**

**Room Q**
Chair:
Lorenz Theiler (Bern, Switzerland)

The Dutch Experience
Fabian Kooij (Amsterdam, Netherlands)

The German Experience
Matthias Helm (Ulm, Germany)

The Italian Experience
Giuseppe Nardi (Rome, Italy)

The Israeli Experience
Idit Matot (Tel Aviv, Israel)

"I'm an anaesthetist, can I help?" - Providing unexpected care in unusual circumstances

Chair:
Hartmut Bürkle (Freiburg, Germany)

Good Samaritan laws in Europe and their implications for doctors
Adam Sandell (London, United Kingdom)

'Is there a doctor on this flight?' Dealing with in-flight emergencies
Michael Bagshaw (London, United Kingdom)

Ethical decision making and triage during major incidents
Matthias Helm (Ulm, Germany)

Training in pre-hospital emergency medicine

Chair:
Jochen Hinkelbein (Köln, Germany)

The German model
Carsten Lott (Mainz, Germany)

The French model
Benoit Vivien (Paris, France)

The United Kingdom model
Tim Nutbeam (Derriford, United Kingdom)

You have admitted a patient after cardiopulmonary resuscitation (CPR) to your ICU...

Chair:
Eldar Søreide (Stavanger, Norway)

How should I set the ventilator and does it matter?
Markus Skrifvars (Helsinki, Finland)*

How should I cool the patient if at all?
Alain Cariou (Paris, France)*

When should I consider withholding/withdrawal of care?
Tobias Cronberg (Lund, Sweden)

Why mothers die?
Chair:
Cesare Gregoretti (Palermo, Italy)*

**Diagnosing maternal sepsis? Mission impossible!**
Nuala Lucas (London, United Kingdom)

**Why you need to worry about critical maternal illness**
Sharon Einav (Jerusalem, Israel)

**Can we do better?**
Carolyn Weiniger (Jerusalem, Israel)

**100 years of maternal death: have registries made a difference?**
Felicity Plaat (London, United Kingdom)

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**Emergency extracorporeal life support - who benefits?**

**Chair:**
Luca Brazzi (Turin, Italy)

**Resuscitative Extracorporeal Life Support in Cardiac Arrest - treatment at the limit**
Benoit Vivien (Paris, France)

**Suspended Animation - putting death on hold?**
Samuel Tisherman (Baltimore, United States)*

**Extra Corporeal Life Support (ECLS) in donor organ protection**
Franco Valenza (Milan, Italy)

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**Far away and beyond - Emergency medicine in the space environment**

**Chair:**
Lorenz Theiler (Bern, Switzerland)

**Considerations for the management of critical medical conditions during future space missions**
Matthieu Komorowski (London, United Kingdom)

**Cardiopulmonary resuscitation in microgravity**
Jochen Hinkelbein (Köln, Germany)

'**Mission completed’ - European Space Agency’s first complete direct return post landing operations**
TBA
**Trauma training for teams**
Symposium organised in collaboration with the European Trauma Course Organisation (ETCO) and the Definitive Anaesthetic Trauma Care (DATC)

**Chair:**
Bernd Böttiger (Cologne, Germany)*

*Advanced Trauma Training for Anaesthesiologists (DATC)*
Catherine Heim (Lausanne, Switzerland)

*European Trauma Course (ETC) - Multi-professional trauma team training*
Carsten Lott (Mainz, Germany)*

*The BEST programme – Taylor-made team training*
Torben Wisborg (Tromsoe, Norway)

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**Entrapment in road traffic collision**

**Chair:**
Kurt Ruetzler (Cleveland, United States)

*Extrication – untangling metal*
Cotton James (Birmingham, United Kingdom)

*Team work and medical priorities*
Tim Nutbeam (Derriford, United Kingdom)
RESPIRATION AND AIRWAY MANAGEMENT
Learning Track 11

11RC1 Refresher Course
Saturday, 3 June
11:00 – 11:45
Rapid Sequence Induction 2017 - State of the art
Room 3

*Chair: Massimiliano Sorbello (Catania, Italy)
*Speaker: Ellen P. O'Sullivan (Dublin, Ireland)

11RC2 Refresher Course
Saturday, 3 June
16:00 – 16:45
Place of bougies and exchange catheters in airway management
Room X

*Chair: Ellen P. O'Sullivan (Dublin, Ireland)
*Speaker: Iljas Hodzovic (Cardiff, United Kingdom)

11S1 Symposium
Saturday, 3 June
17:00 – 18:30
ESA Research group on perioperative ventilation: perioperative mechanical ventilation - State of the art
Room 2

*Chairs: Wolfgang F. Buhre (Maastricht, Netherlands)
Paolo Pelosi (Genoa, Italy)

Ventilatory management during and following emergence from anaesthesia: which lungs do we deliver to the ward?
Paolo Pelosi (Genoa, Italy)

Postoperative pulmonary complications: lessons from observational studies on mechanical ventilation
Ary Serpa Neto (São Paulo, Brazil)

Protective mechanical ventilation in the operation room: evidence from randomised controlled trials
Marcelo Gama de Abreu (Dresden, Germany)
Symposium
Sunday, 4 June
09:30 – 10:30

Ultrasonography in the hand of the anaesthesiologist: from the tip of the tongue to the pleura – and beyond!

Chair:
Anil Patel (London, United Kingdom)

Ultrasound for safe handling of the upper airway
Michael Seltz Kristensen (Copenhagen, Denmark)

Ultrasound in the management of the parturient, the dyspnoeic and the non-fasting patient
Wendy Teoh (Singapore, Singapore)

Symposium
Monday, 5 June
08:30 – 10:00

Non-invasive ventilation (NIV) for all?

Chair:
Marc Leone (Marseille, France)

In cardiopulmonary resuscitation
Jerry Nolan (Bath, United Kingdom)*

In weaning from mechanical ventilation
Paolo Pelosi (Genoa, Italy)

Tips and tricks to optimise NIV
Francisco Javier Belda Nácher (Valencia, Spain)

Symposium
Monday, 5 June
10:30 – 12:00

Teaching and training in airway management

Chair:
Arnd Timmermann (Berlin, Germany)

The reality of virtual airway assessment - a new teaching tool
Imran Ahmad (London, United Kingdom)*

How best to achieve competency in fibre-optic intubation?
Paul Baker (Auckland, New Zealand)*

Supraglottic devices in anaesthesia - which to choose and when?
Friedrich Pühringer (Reutlingen, Germany)*

Symposium
Monday, 5 June
16:00 – 17:30

Extending the apnoea period - clinical applications of heated, humidified, high flow nasal oxygen (THRIVE)

Chair:
Ellen P. O'Sullivan (Dublin, Ireland)

Physiology of THRIVE
Anil Patel (London, United Kingdom)

Preoxygenation in clinical settings
Massimiliano Sorbello (Catania, Italy)*

THRIVE in the Intensive care setting
Gary Mills (Sheffield, United Kingdom)

Pro & Con
Debate
Sunday, 4 June
11:00 – 12:00

The surgical technique should be advocated for emergency Front of Neck Access (FONA): Pro-Con
Chair:
Paul Baker (Auckland, New Zealand)*

Pro
Ellen P. O'Sullivan (Dublin, Ireland)

Con
Robert Greif (Bern, Switzerland)*
### Patient Blood Management in children

**Room V**

**Chair:**
Christian Fenger-Eriksen (Aarhus, Denmark)

**Considerations, risks and benefits in paediatric transfusion**
Tom Giedsing Hansen (Odense, Denmark)

**Perioperative strategies to avoid blood transfusions in children**
Susan Goobie (Boston, United States)

**Point of care-guided transfusion in paediatric trauma and surgery**
Thorsten Haas (Zürich, Switzerland)*

### Transfusion products - Does it harm?

**Immunological consequences and benefits**

**Room 4**

**Chair:**
Aamer Ahmed (Leicester, United Kingdom)

**Immunological effects of transfusion**
Dietmar Fries (Innsbruck, Austria)

**The influence of transfusions on microvascular perfusion and oxygenation**
Christa Boer (Amsterdam, Netherlands)

### Preoperative strategies to minimise blood loss

**Room 4**

**Chair:**
Christian Fenger-Eriksen (Aarhus, Denmark)

**Preoperative strategies to optimise own red cell mass**
Jens Meier (Linz, Austria)

**Preoperative anaemia and postoperative outcome**
Christian Von Heymann (Berlin, Germany)
**Post-Partum Haemorrhage (PPH)**

Room B

**Chair:**
Emilia Guasch (Madrid, Spain)

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**Is coagulation different in the parturient?**
Ankie Koopman van Gemert (Dordrecht, Netherlands)

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**A multinational algorithm for treating PPH**
Thierry Girard (Basel, Switzerland)

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**The bleeding elderly trauma patient**

Room V

**Chair:**
Mark Coburn (Aachen, Germany)

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**The bleeding elderly trauma patient**
Iain Moppett (Notthingam, United Kingdom)

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**The elderly anticoagulated trauma patient**
Rolf Rossaint (Aachen, Germany)*

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**Patient blood management in the elderly**
Donat R. Spahn (Zurich, Switzerland)*
### Symposium 1351
**Saturday, 3 June**
**17:00 – 18:30**

**Sepsis and biomarkers: something old, something new and what else?**

**Chair:**
Gernot Marx (Aachen, Germany)*

**Lactate and lactate clearance: consensus or controversy**
Michael Fries (Limburg, Germany)

**Pro adrenomedullin and pro-enkephalin: it’s a new age**
Tobias Schüerholz (Rostock, Germany)*

**Procalcitonin at the bedside: The beauty is in the eye of the beholder**
Zsolt Molnar (Szeged, Hungary)*

**Biomarker panels: the future of sepsis diagnostics?**
Tamas Szakmany (Cardiff, United Kingdom)*

### Symposium 1352
**Saturday, 3 June**
**17:00 – 18:30**

**Perioperative management of severe liver disease**
Symposium organised in collaboration with the Liver Intensive Care Group of Europe (LICAGE)

**Chairs:**
Idit Matot (Tel Aviv, Israel)
Alistair Lee (London, United Kingdom)

**Understanding the hemodynamics**
Wolfgang Huber (Munich, Germany)

**Managing acute decompensation**
Julia Wendon (London, United Kingdom)

**Renal Replacement Therapy (RRT) - Regional anticoagulation with citrate in liver failure: safe or not?**
Fuat Saner (Essen, Germany)*

**Sepsis in the cirrhotic patient: hints and tips**
Catherine Paugam Burtz (Paris, France)*

### Symposium 1353
**Sunday, 4 June**
**16:00 – 17:30**

**First do no harm: an ethical approach to resuscitation**

**Chair:**
Paul McConnell (Paisley, United Kingdom)

**Autonomy: patient centred decision making regarding cardiopulmonary resuscitation (CPR)**
Gabor Elo (Budapest, Hungary)

**Non-maleficence: when to stop resuscitation**
Jerry Nolan (Bath, United Kingdom)

**Beneficence: ICU admissions for whom the bell tolls in a culture of death denial**
Sharon Einav (Jerusalem, Israel)
**Managing non-surgical patients with major gastrointestinal problems in the ICU**

*Room 4*

**Monday, 5 June 08:30 – 10:00**

**Chair:**
Mikhail Kirov (Arkhangelsk, Russian Federation)

**Motility disorders**
Joel Starkopf (Tartu, Estonia)

**Acute pancreatitis**
Wolfgang Huber (Munich, Germany)

**Starvation and refeeding (even in Europe)**
Mette Berger (Lausanne, Switzerland)

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**Perioperative fluid therapy**

*Room C*

**Monday, 5 June 14:00 – 15:30**

**Chair:**
Arash Afshari (Copenhagen, Denmark)

**Crystalloids vs. colloids: is physiology wrong?**
Zsolt Molnar (Szeged, Hungary)*

**The tribulations of fluid trials in intensive care**
Jacques Duranteau (Paris, France)*

**Colloids are still useful**
Gernot Marx (Aachen, Germany)*

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**Sepsis outcomes - why have we failed?**

*Room 5*

**Monday, 5 June 16:00 – 16:45**

**Chair:**
Jacques Duranteau (Paris, France)

**Speaker**
Frank Brunkhorst (Jena, Germany)
## Perioperative acute kidney injury

**Chair:**  
Maija Kaukonen (Helsinki, Finland)

**Speaker:**  
Luigi Forni (Guildford, United Kingdom)

### Perioperative outcomes, diagnosis and management of patients with obstructive sleep apnoea

Symposium organised in collaboration with the Society of Anesthesia and Sleep Medicine (SASM)

**Chair:**  
Stavros Memtsoudis (New York, United States)*

**Obstructive sleep apnoea and perioperative outcomes**  
Stavros Memtsoudis (New York, United States)*

**Perioperative diagnosis of and screening for obstructive sleep apnoea**  
Malin Fagerlund (Stockholm, Sweden)

**Best practices in the perioperative care of obstructive sleep apnoea patients**  
Karl Franklin (Umea, Sweden)

## Fluid and volume handling

**Chair:**  
Jean-Luc Fellahi (Lyon, France)*

**Facts and fiction at the emergency department**  
Matthias Jacob (Straubing, Germany)*

**Facts and fiction about the elective perioperative patient**  
Daniel Chappell (Munich, Germany)*

**Facts and fiction about the critically ill patient**  
Gernot Marx (Aachen, Germany)*
Handling preoperative medication in the perioperative period

**Chair:**
Benjamin Drenger (Jerusalem, Israel)

**Antidiabetic medication**
Benedikt Preckel (Amsterdam, Netherlands)*

**Platelet inhibitors and anticoagulants**
Charles-Marc Samama (Paris, France)*

**Cardiovascular drugs**
Marc-Joseph Licker (Geneva, Switzerland)
### Adverse drug events in the elderly

**Chair:**
Mark Coburn (Aachen, Germany)

**Speaker**
Martin Wehling (Heidelberg, Germany)*

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### Perioperative care of the elderly trauma patient

**Chair:**
Peter Lee (Cork, Ireland)

**Speaker**
Ulf Günther (Oldenburg, Germany)

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### Challenges in the perioperative care in the elderly

**Chair:**
Idit Matot (Tel Aviv, Israel)

- **Preoperative assessment of the elderly patient: more than just counting the pills**
  Ulf Günther (Oldenburg, Germany)

- **Intraoperative hypotension and the elderly**
  Idit Matot (Tel Aviv, Israel)

- **Update on postoperative delirium**
  Claudia Spies (Berlin, Germany)

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### Anaesthesia in the elderly outpatient

**Chair:**
Mark Coburn (Aachen, Germany)

- **When should the elderly patient not be ambulatory?**
  Sven Felsby (Aarhus, Denmark)

- **Ambulatory anaesthesia and cognitive dysfunction**
  Jacob Steinmetz (Copenhagen, Denmark)

- **Regional anaesthesia in the elderly outpatient**
  Brian Kinirons (Galway, Ireland)
Hot topics in geriatric anaesthesiology - Last 12 months´ top publications

Chair:
Idit Matot (Tel Aviv, Israel)

Speaker
Mark Coburn (Aachen, Germany)
**16RC1 Refresher Course**

**Sunday, 4 June**

08:30 – 09:15

**Work hour restrictions, proliferating handovers: how much continuity does the patient need?**

**Chair:** Andrew Smith (Lancaster, United Kingdom)

**Speaker:** Andreas Böhmer (Cologne, Germany)

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**16S1 Symposium**

**Saturday, 3 June**

14:00 – 15:30

**Following up the Helsinki Declaration on Patient Safety in Anaesthesiology**

**Chairs:**

Jannicke Mellin-Olsen (Sandvika, Norway)

Johannes Wacker (Zurich, Switzerland)

**Welcome**

Zeev Goldik (Haifa, Israel)*

Carmel Joseph Abela (Msida, Malta)

**Aiming high – the Helsinki Declaration on Patient Safety in Anaesthesiology (HD)**

**Vision and goals**

Jannicke Mellin-Olsen (Sandvika, Norway)

**Practical requirements**

Sven Staender (Männedorf, Switzerland)

**Inconsistent progress – Boosts and barriers to adoption of the HD**

**Perspective of National Anaesthesiologists Societies**

Dan Longrois (Paris, France)

**Clinician’s views – surveys of ESA members**

David Whitaker (Manchester, United Kingdom)*

**A project to evaluate and improve implementation**

Johannes Wacker (Zurich, Switzerland)

**Perspectives of Industry Partners – Panel Discussion**

**Fresenius-Kabi**

Hrishikesh Kulkarni (Bad Homburg, Germany)*

**Masimo**

Stacey Orsat (Neuchatel, Switzerland)*

**Philips**

Holger Voderberg (Boeblingen, Germany)*

**Nihon Kohden**

Anke Brouwers (Rosbach, Germany)

**Panel discussion and questions from the audience**
**Advancing the Helsinki Declaration by patient safety actions**

**Chair:** David Whitaker (Manchester, United Kingdom)*

- **Learning from incidents to improve safety: national experience and European perspective**
  Daniel Arnal (Madrid, Spain)

- **Learn, do no harm! Establishing standards for simulation-based human factors training**
  Filippo Bressan (Prato, Italy)

- **Cognitive aids to improve safety outcomes – World Health Organization (WHO) surgical safety checklist and crisis manuals**
  Sven Staender (Männedorf, Switzerland)

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**Quality cannot be improved if we don´t measure it - new perspectives on old challenges**

**Chair:** Frank Wappler (Cologne, Germany)

- **Quality, an illusion - or scientific base for real improvement?**
  Andrew Smith (Lancaster, United Kingdom)

- **Which indicators best describe the quality and safety of perioperative quality and safety?**
  Guy Haller (Geneva, Switzerland)

- **Potential and pitfalls of collecting quality data: From local practice to national registries**
  Johannes Wacker (Zurich, Switzerland)

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**Inequities in access to safe anaesthesia and surgery – in Europe and beyond**

**Chair:** Jannicke Mellin-Olsen (Sandvika, Norway)

- **The Lancet Commission on Global Surgery – two years on**
  Eric Vreede (Dili, Timor-Leste)

- **What is the World Health Organization (WHO) doing to ensure access to safe anaesthesia and surgery worldwide**
  Walter Johnson (Geneva, Switzerland)

- **International Committee of the Red Cross (ICRC) – how to provide safe anaesthesia in unsafe corners of the world**
  Sanja Janjanin (Geneva, Switzerland)
**1655 Symposium**

**Monday, 5 June**

**14:00 – 15:30**

**When things go wrong...**

**Chair:**
Frank Wappler (Cologne, Germany)

**Safety concerns in postoperative pain treatment**  
Filippo Bressan (Prato, Italy)

**Patient safety in perioperative airway management**  
Andrew Smith (Lancaster, United Kingdom)

**Patient safety in intensive care**  
Sven Staender (Männedorf, Switzerland)

**1656 Symposium**

**Monday, 5 June**

**16:00 – 18:00**

**When things go wrong: recognising mistakes and improving services**

**Chair:**
Antoine Baumann (Le Kremlin-Bicêtre, France)

**Duty of Care and Medical Negligence**  
Claire McLaughlan (Stockbridge, United Kingdom)

**Barriers to error communication**  
Stuart McLennan (Hannover, Germany)

**Using error reporting systems to drive improvement**  
Aidan Fowler (Cardiff, United Kingdom)

**Duty of Candour: saying sorry and learning from mistakes**  
Michael Roddis (London, United Kingdom)

**L16L1 Lecture**

**Sunday, 4 June**

**09:45 – 10:30**

**Individual complications, team spirit and the art of anaesthesiology. What defines outcome?**

**Chair:**
Johannes Wacker (Zurich, Switzerland)

**Speaker**  
Wolfgang F. Buhre (Maastricht, Netherlands)*

**L16L2 Lecture**

**Sunday, 4 June**

**11:00 – 11:45**

**Anaesthesia Patient Safety Foundation (APSF) safety practices in the era of production pressure and distractions**

**Chair:**  
Johannes Wacker (Zurich, Switzerland)

**Speaker**  
Robert K. Stoelting (Indianapolis, United States)
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<td>S 1751</td>
<td>Saturday, 3 June</td>
<td>17:00 – 18:30</td>
<td>Anaesthesia teachers training</td>
<td>Robert Greif (Bern, Switzerland)*</td>
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<td>Training teachers under pressure</td>
<td>Robert Greif (Bern, Switzerland)*</td>
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<td>Anaesthesia education - does one size fit all?</td>
<td>Vojislava Neskovic (Belgrade, Serbia)</td>
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<td>Expanding the global anaesthesia workforce – educational issues.</td>
<td>Jannicke Mellin-Olsen (Sandvika, Norway)</td>
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<td>S 1752</td>
<td>Sunday, 4 June</td>
<td>16:00 – 17:30</td>
<td>Continuing education in anaesthesia</td>
<td>Andreas Sandner-Kiesling (Graz, Austria)</td>
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<td>Do we need recertification?</td>
<td>Zeev Goldik (Haifa, Israel)*</td>
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<td>Can simulation and e-learning keep you up-to date?</td>
<td>Robert Greif (Bern, Switzerland)*</td>
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<td>European or national continuing education programme?</td>
<td>Janusz Andres (Krakow, Poland)</td>
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<td>S 1753</td>
<td>Monday, 5 June</td>
<td>08:30 – 10:00</td>
<td>Perioperative ultrasound</td>
<td>Thomas W.L. Scheeren (Groningen, Netherlands)</td>
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<td>Chair:</td>
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<td>Thomas W.L. Scheeren (Groningen, Netherlands)</td>
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<td>3D echocardiography: new developments</td>
<td>Jörg Ender (Leipzig, Germany)</td>
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<td>Point of care ultrasound – current status</td>
<td>Erik Sloth (Aarhus, Denmark)</td>
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<td>Ultrasound training in anaesthesia – challenges and opportunities</td>
<td>Feroze Mahmood (Boston, United States)</td>
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Examiners’ update

Chair: Sue Hill (Southampton, United Kingdom)

Update on the on-line assessment (OLA)
Armen Varosyan (Yerevan, Armenia)

Challenges facing Part I EDAIC
Wolfram Engelhardt (Offenburg, Germany)

Challenges facing Part II
Mario Zerafa (Msida, Malta)

Examiners’ training: yes or no?
Sue Hill (Southampton, United Kingdom)

Importance of clinical education

Chairs:
Miodrag Milenovic (Belgrade, Serbia)
Robert Greif (Bern, Switzerland)*

Pitfalls in clinical education
Cliff Shelton (Lancaster, United Kingdom)

Top tips for improving your clinical teaching
Robert Greif (Bern, Switzerland)*

United effort in anaesthesia teaching: E-learning and Hands on training
Miodrag Milenovic (Belgrade, Serbia)

Clinical Expertise in medical education: nice to have or absolutely necessary for life support training? Pro-Con

Chair: Lorenz Theiler (Bern, Switzerland)

Pro
Robert Greif (Bern, Switzerland)*

Con
Doris Østergaard (Herlev, Denmark)

Simulation to assess clinical competences in anaesthesia, ICU, pain and emergency medicine

Chair: Andreas Sandner-Kiesling (Graz, Austria)

Pro
Georges Savoldelli (Geneva, Switzerland)

Con
Ralf Krage (Amsterdam, Netherlands)