



## PRE-CONGRESS COURSES AND WORKSHOPS

CC

PERIC  
Pre-congress Course

### Perioperative medicine in daily practice

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

#### Chair:

Bernhard Walder (Geneva, Switzerland)

#### Welcome and registration

#### Introduction on perioperative medicine

Bernhard Walder (Geneva, Switzerland)

#### Pre-test

Bernardo Bollen Pinto (Geneva, Switzerland)

#### Management and leadership in perioperative medicine

Anna Hardemark Cedborg (Solna, Stockholm, Sweden)

#### Perioperative respiratory dysfunction

Bernhard Walder (Geneva, Switzerland)

#### Coffee break

#### Perioperative cardiac ischemic complications

Bernardo Bollen Pinto (Geneva, Switzerland)

#### Perioperative fluid management without complications

Ib Jammer (Bergen, Norway)

#### Perioperative management for long term survival

Michelle Chew (Linköping, Sweden)

#### Perioperative comfort in high-risk patients

Jonna Storm Fomsgaard (Holte, Denmark)

#### Lunch break

#### Real life situations (in small groups)

#### Discussion of clinical cases

Bernhard Walder (Geneva, Switzerland)

Bernardo Bollen Pinto (Geneva, Switzerland)

#### Post-test

Bernardo Bollen Pinto (Geneva, Switzerland)

#### Wrap-up and diplomas

Bernhard Walder (Geneva, Switzerland)



CC

ECHOC  
Pre-congress Course

## Ultrasound use in anaesthesia and critical care

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

### Chair:

Patrick Wouters (Gent, Belgium)

### Hands-on stations:

1- FATE: Focus Assessed Transthoracic Echocardiography (basic and advanced techniques)

2- Lung US: Lung Ultrasound (and pleura)

3- FAST: Focused Assessment with Sonography for Trauma

4- TEE: Trans-Esophageal Echocardiography

CC

NEUROC  
Pre-congress Course

## Essentials of neuromonitoring in anaesthesia and intensive care (eNEMO)

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

### Chairs:

Massimo Lamperti (Abu Dhabi, United Arab Emirates)

Alexander Zlotnik (Beer Sheva, Israel)

### Introduction to the eNEMO course

Massimo Lamperti (Abu Dhabi, United Arab Emirates)

### Essentials of processed EEG (pEEG) monitors

Maria Cristina Honorato (Pamplona, Spain)

### Not too deep anaesthesia

Massimo Lamperti (Abu Dhabi, United Arab Emirates)

### Coffee break

### Sonography: Optic nerve sheath diameter (ONSD) and midline shift

Chiara Robba (Cambridge, United Kingdom)

### Sonography: Trans Cranial Doppler (TDC)

Frank A. Rasulo (Brescia, Italy)

### Lunch break

### Hands-on-training and problem-based learning discussions:

1- Trans Cranial Doppler (TCD)

2- Depth of anaesthesia (DOA) cases

3- Cerebral sonography

4- pEEG in the OR and ICU

Conclusions



**CC** AIRC  
Pre-congress Course

## Current concepts in airway management

Pre-congress course organised 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)  
Lorenz Gregor Theiler (Bern, Switzerland)  
Arnd Timmermann (Berlin, Germany)  
Robert Greif (Bern, Switzerland)  
Michael Seltz Kristensen (Copenhagen, Denmark)

### Introduction and welcome

Arnd Timmermann (Berlin, Germany)  
Lorenz Gregor Theiler (Bern, Switzerland)  
Ellen P. O'Sullivan (Dublin, Ireland)  
Robert Greif (Bern, Switzerland)

### Introduction to... (including learning objectives & introduction of tutors)

#### - ...supraglottic airways

Ana Maria Lopez Gutiérrez (Barcelona, Spain)

#### - ...flexible optical intubation

Paul Andrew Baker (Auckland, New Zealand)

#### - ...intubation over supraglottic airway

Kemal Tolga Saracoglu (Istanbul, Turkey)

#### - ...lung isolation techniques

Gabriele Casso (Lugano, Switzerland)

#### - ...direct laryngoscopy, styles and extubation aids

Massimiliano Sorbello (Catania, Italy)

#### - ...videolaryngoscopy

Rüdiger Noppens (London, Canada)

#### - ...ultrasound evaluation of the airway

Michael Seltz Kristensen (Copenhagen, Denmark)

#### - ...front of neck access techniques

Maren Kleine-Brueggene (London, United Kingdom)

#### - ...ventilation through small lumen catheters

Dietmar Enk (Maastricht, Netherlands)

#### - ...airway simulation

Johannes Huitink (Amsterdam, Netherlands)

### Coffee break

### Workshop Part 1 - 3 skill stations

### Lunch break



**Morbidity and mortality of airway management**

Anil Patel (London, United Kingdom)

---

**Pre-operative assessment and strategies**

Carin A. Hagberg (Houston, United States)

---

**Workshop Part 2 - 3 skill stations**

---

*Coffee break*

---

**Small airways – big problems? (The paediatric difficult airway)**

Thomas Engelhardt (Aberdeen, United Kingdom)

---

**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**

---

**Summary statements and closing remarks**

Lorenz Gregor Theiler (Bern, Switzerland)

Arnd Timmermann (Berlin, Germany)

---

**SKILL STATIONS:**

---

**Station 1A - Supraglottic devices: flexible SGA and oesophageal closing tubes**

Ana Maria Lopez Gutiérrez (Barcelona, Spain)

Daniela Godoroja (Bucharest, Romania)

---

**Station 1B - Generation SGA / Advanced uses**

Anil Patel (London, United Kingdom)

---

**Station 2A - Flexible optic intubation - nasal & oral techniques**

Carin A. Hagberg (Houston, United States)

Ellen P. O'Sullivan (Dublin, Ireland)

---

**Station 2B - Flexible optic intubation - simulation**

Paul Andrew Baker (Auckland, New Zealand)

Kamil Toker (Kocaeli, Turkey)

---

**Station 3 - Intubation through supraglottic device**

Kemal Tolga Saracoglu (Istanbul, Turkey)

Hulya Bilgin (Bursa, Turkey)

---

**Station 4 - Lung isolation techniques**

Niels Erik Ove Andersen (Copenhagen, Denmark)

Gabriele Casso (Lugano, Switzerland)

---

**Station 5 - Direct laryngoscopy, intubation and extubation aids and stylets**

Robert Greif (Bern, Switzerland)

Massimiliano Sorbello (Catania, Italy)

---

**Station 6A - Indirect (video-)laryngoscopy, adult**

Volker Döriges (Kiel, Germany)

Rüdiger Noppens (London, Canada)

---

**Station 6B - Direct and indirect laryngoscopy, paediatric**

Iljaz Hodzovic (Cardiff, United Kingdom)

Thomas Engelhardt (Aberdeen, United Kingdom)

---



**Station 7A - Ultrasonography in airway management**

Michael Seltz Kristensen (Copenhagen, Denmark)  
Imran Ahmad (West Bromwich, United Kingdom)

**Station 7B - Miscellaneous / Airway aids**

**Station 8A - Front of neck access: needle and surgical techniques**

Maren Kleine-Brueggene (London, United Kingdom)  
Tomasz Gaszynski (Lodz, Poland)

**Station 8B - Front of neck access: JET ventilation, EVA**

Dietmar Enk (Maastricht, Netherlands)  
Pedro Charco Mora (Valencia, Spain)

**Station 9A - Simulation: difficult airway case A**

Johannes Huitink (Amsterdam, Netherlands)  
Dick Van Groeningen (Amsterdam, Netherlands)

**Station 9B - Simulation: difficult airway case B**

Nicholas Chrimes (Melbourne, Australia)

CC

PAED  
Pre-congress Course

**Ultrasound use in neonates and children**

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

**Chairs:**

Nicola Disma (London, United Kingdom)  
Mauro Pittiruti (Roma, Italy)

**Introduction to the course**

Nicola Disma (London, United Kingdom)  
Mauro Pittiruti (Roma, Italy)

**Session 1 - Ultrasound for vascular access in neonates and children:**

**Ultrasound as a tool for assessing the venous system before the venipuncture**

Nicola Disma (London, United Kingdom)

**Ultrasound-guided venipuncture of deep veins**

Christian Breschan (Klagenfurt, Austria)

**Ultrasound for guidance of wires and catheters into the venous system (tip navigation)**

Mauro Pittiruti (Roma, Italy)

**Coffee break**

**Ultrasound for assessing the central position of the tip (tip location)**

Nicola Disma (London, United Kingdom)

**Ultrasound identification of immediate complications (hematomas, pneumothorax, haemothorax)**

Daniele Guerino Biasucci (Rome, Italy)

**Ultrasound identification of late complications (dislodgement, thrombosis, tip migration, fibroblastic sleeve)**

Mauro Pittiruti (Roma, Italy)

**Questions and answers**

**Lunch break**



---

**Session 2 - Ultrasound use in the critically ill paediatric patients:**

---

**Ultrasound in critically ill neonates and children: an overview**

Nadya Yousef (Paris, France)

---

**Thoracic and abdominal ultrasound in paediatric trauma**

Daniele Guerino Biasucci (Rome, Italy)

---

**Lung ultrasound in the critically ill**

Nadya Yousef (Paris, France)

---

**Coffee break**

---

**Questions and answers**

---

**Five skill stations (rotation in 5 groups):**

---

**1- Ultrasound visualisation of peripheral veins of the arm (on volunteers/model)**

Nicola Disma (London, United Kingdom)

---

**2- Ultrasound visualisation of central veins of the supra/infraclavicular area (on volunteers/model)**

Mauro Pittiruti (Roma, Italy)

---

**3- Ultrasound guided venipuncture (on simulator)**

Christian Breschan (Klagenfurt, Austria)

---

**4- The basis of lung ultrasound (on volunteers/model)**

Nadya Yousef (Paris, France)

---

**5- Abdominal and lung ultrasound for trauma patients and ultrasound for tip location (on volunteers/model)**

Daniele Guerino Biasucci (Rome, Italy)

CC

APRICOT  
Pre-congress Course

---

**“Out of APRICOT”: prevention, early identification and treatment of critical events in children undergoing anaesthesia**

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

---

**Chairs:**

Francis Veyckemans (Lille, France)

Nicola Disma (London, United Kingdom)

---

**Introduction**

Francis Veyckemans (Lille, France)

Karin Becke (Nürnberg, Germany)

---

**Basics:**

---

**Preoperative assessment (identifying risk factors)**

Francis Veyckemans (Lille, France)

---

**Airway management algorithm**

Thomas Engelhardt (Aberdeen, United Kingdom)

---

**Perioperative IV fluids**

Nicola Disma (London, United Kingdom)

---

**Monitoring**

Tom Giedsing Hansen (Odense, Denmark)



---

**Discussions**

---

*Coffee break*

---

**Cardiac arrest: diagnosis and treatment during anaesthesia**

Ignacio Galvez Escalera (Palma de Mallorca, Spain)

---

**Volaemia and blood pressure**

Laszlo Vutskits (Geneva, Switzerland)

---

**Regional anaesthesia techniques: the basics**

Per-Arne Lönnqvist (Stockholm, Sweden)

---

**Recovery: post-anaesthesia complications**

Claudia Höhnes (Leipzig, Germany)

---

**Discussions**

---

*Lunch break*

---

**Problem-based learning**

---

**1- Difficult intubation**

Thomas Engelhardt (Aberdeen, United Kingdom)

---

**2- Laryngospasm, bronchospasm, aspiration: diagnosis and treatment (CBD)**

Walid Habre (Geneva, Switzerland)

---

**3- Vascular access**

Nicola Disma (London, United Kingdom)

---

**4- Cardiac arrest: APLS**

Ignacio Galvez Escalera (Palma de Mallorca, Spain)

---

**5- Regional anaesthesia**

Per-Arne Lönnqvist (Stockholm, Sweden)

CC

THORC  
Pre-congress Course

---

**Thoracic anaesthesia symposium**

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

---

**Chairs:**

Edmond Cohen (New York, United States)

Marcelo Gama de Abreu (Dresden, Germany)

---

**Welcome and introduction**

Edmond Cohen (New York, United States)

---

**Panel 1 - Lung injury during thoracic surgery:**

---

**a) Low tidal volume during one-lung ventilation (OLV): how essential during OLV?**

Marcelo Gama de Abreu (Dresden, Germany)

---

**b) Protective lung ventilation during OLV: what are we protecting?**

Nuzhet Mert Sentürk (Istanbul, Turkey)

---

**c) Inhaled or intravenous anaesthetics: does it matter?**

Thomas Schilling (Magdeburg, Germany)



**Problem based learning discussions (choice of 2):**

---

**PBLD 1 The cardiac patients undergoing lung resection: what should we know?**

Paolo Feltracco (Padova, Italy)  
Andreas Güldner (Dresden, Germany)

---

**PBLD 2 Postthoracotomy arrhythmias**

Oliver Vicent (Dresden, Germany)  
Tamás Végh (Debrecen, Hungary)

---

**PBLD 3 Post-thoracotomy pain management: epidural vs. paravertebral**

Manuel V. Granell Gil (Valencia, Spain)  
Padraig Mahon (Cork, Ireland)

---

**PBLD 4 Management of mediastinal mass**

Menachem Weiner (New York, United States)  
Thomas Bluth (Dresden, Germany)

---

**PBLD 5 Thoracic surgery in the morbidly obese**

Thomas Kiss (Dresden, Germany)  
Torsten Loop (Freiburg, Germany)

---

**PBLD 6 Lung isolation in the difficult airway**

Laszlo Szegedi (Brussels, Belgium)  
Thomas Schilling (Magdeburg, Germany)

---

**PBLD 7 Pulmonary hypertension and pulmonary resection**

Marc-Joseph Licker (Geneva, Switzerland)  
Cesar Rodriguez Diaz (New York, United States)

---

**PBLD 8 Severe hypoxemia during OLV**

Nuzhet Mert Sentürk (Istanbul, Turkey)  
Thomas Heinz Hachenberg (Magdeburg, Germany)

---

**Lunch break**

---

**Panel 2:**

---

**a) Recent advances in lung isolation: double-lumen tube (DLT) vs. blockers**

Marc-Joseph Licker (Geneva, Switzerland)

---

**b) Pain management in thoracic surgery: traditional vs. alternative therapies**

Thomas Heinz Hachenberg (Magdeburg, Germany)

---

**Practice stations: hands-on demonstrations**

---

**Station 1: Left sided DLT / Right sided DLT**

Marc-Joseph Licker (Geneva, Switzerland)  
Laszlo Szegedi (Brussels, Belgium)

---

**Station 2: Univent tube / Uniblocker**

Nuzhet Mert Sentürk (Istanbul, Turkey)  
Paolo Feltracco (Padova, Italy)

---

**Station 3: Endobronchial blockers**

Menachem Weiner (New York, United States)  
Thomas Kiss (Dresden, Germany)

---





**Station 4: EZ blocker / VivaSight**

Tamás Végh (Debrecen, Hungary)  
Thomas Schilling (Magdeburg, Germany)

---

**Station: 5. Paediatric lung separation**

Cesar Rodriguez Diaz (New York, United States)  
Torsten Loop (Freiburg, Germany)

---

**Station 6: Thoracic epidural**

Thomas Heinz Hachenberg (Magdeburg, Germany)  
Manuel V. Granell Gil (Valencia, Spain)

---

**Station 7: Paravertebral block**

Padraig Mahon (Cork, Ireland)  
Oliver Vicent (Dresden, Germany)

---

**Station 8: Adult simulator - management of hypoxemia during OLV**

Thomas Bluth (Dresden, Germany)  
Marcelo Gama de Abreu (Dresden, Germany)

---

**Coffee break**

---

**Panel 3: Challenges in thoracic anaesthesia**

---

**a) Epidural placement in a patient receiving anticoagulant therapy**

Padraig Mahon (Cork, Ireland)

---

**b) Tracheal surgery: sharing the airway**

Thomas Bluth (Dresden, Germany)

---

**c) Tubeless thoracic procedures: myth or reality?**

Edmond Cohen (New York, United States)

---

**d) Esophagectomy: from the OR to the ICU**

Laszlo Szegedi (Brussels, Belgium)

---

**Closing remarks**

Edmond Cohen (New York, United States)

---

CC

HAEMOC  
Pre-congress Course

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

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

---

**Chair:**

Christian Fenger-Eriksen (Aarhus, Denmark)

---

**Welcome**

Christian Fenger-Eriksen (Aarhus, Denmark)

---

**Pathophysiology of coagulation during bleeding**

Christian Fenger-Eriksen (Aarhus, Denmark)

---

**Monitoring of coagulation during bleeding (standard lab vs. point-of-care)**

Aamer B. Ahmed (Leicester, United Kingdom)

---

**Lunch Break**

---

**Monitoring of platelet function before and during surgery**

Aamer B. Ahmed (Leicester, United Kingdom)

---



**Monitoring and reversal of direct oral anticoagulant (DOAC) therapy**

Alexander Vlaar (Amsterdam, Netherlands)

**How to handle the patient with pre-operative anaemia**

Christian von Heymann (Berlin, Germany)

**Transfusion strategies and micro-circulatory oxygenation**

Christa Boer (Amsterdam, Netherlands)

**Break**

**Massive transfusion protocols - or not**

Dietmar Fries (Innsbruck, Austria)

**When and how to use haemostatic agents**

Dietmar Fries (Innsbruck, Austria)

**Prevention of venous thromboembolism**

Charles Marc Samama (Paris, France)

**Break**

**Hands-on training (ROTEM, TEG, Platelet function analyzer)**

CC

ETHIC  
Pre-congress Course

**Leadership, ethical practice and conflict resolution**

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

**Chairs:**

Paul McConnell (Paisley, United Kingdom)

Hartmut Bürkle (Freiburg, Germany)

**Introduction and overview**

Paul McConnell (Paisley, United Kingdom)

**Group work: Principles of biomedical ethics, mutability of ethical practice and moral sense in different jurisdictions**

Michael Roddis (Beckenham, United Kingdom)

**Ethical conflict and moral leadership**

Michael Roddis (Beckenham, United Kingdom)

**Group work**

**End of life care and the principle of futility**

Paul McConnell (Paisley, United Kingdom)

**Case study: End of life care**

Claire McLaughlan (Stockbridge, United Kingdom)

Michael Roddis (Beckenham, United Kingdom)

Paul McConnell (Paisley, United Kingdom)

Hartmut Bürkle (Freiburg, Germany)

**Coffee break**

**Conflict resolution: dealing with different views on treatment among colleagues**

Claire McLaughlan (Stockbridge, United Kingdom)



**Case study continued. Discussions in the team**

Claire McLaughlan (Stockbridge, United Kingdom)  
Michael Roddis (Beckenham, United Kingdom)  
Paul McConnell (Paisley, United Kingdom)  
Hartmut Bürkle (Freiburg, Germany)

**Conflict resolution: understanding the carers' perspective**

Claire McLaughlan (Stockbridge, United Kingdom)

**Case study continued. Discussions with the family**

Claire McLaughlan (Stockbridge, United Kingdom)  
Michael Roddis (Beckenham, United Kingdom)  
Paul McConnell (Paisley, United Kingdom)  
Hartmut Bürkle (Freiburg, Germany)

**Group work**

**Close of session**

CC

PGCC1  
Pre-congress Course

**Postgraduate course on patient-ventilator asynchrony**

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

**Speaker:**

Paolo Pelosi (Genova, Italy)

CC

PGCC2  
Pre-congress Course

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

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

**Speaker:**

Edmond Cohen (New York, United States)

CC

ESPCOPC  
Pre-congress Course

**Anaesthesia for the morbidly obese patient - Key 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 Baerdemaeker (Gent, Belgium)  
Michael Margaron (Chichester, United Kingdom)

**Introduction & background:**

**Anaesthetic disasters and obesity: Why we run this course...**

Jonathan Cousins (London, United Kingdom)

**BMI & fat distribution**

Michael Margaron (Chichester, United Kingdom)

**Drug dosing in the morbidly obese**

Luc De Baerdemaeker (Gent, Belgium)

**Questions and discussion**

**The impact of obesity:**



**The metabolic syndrome**

Chris Bouch (Leicester, United Kingdom)

---

**Cardiovascular effects of obesity**

Jonathan Redman (York, United Kingdom)

---

**Respiratory effects of obesity**

Tomasz Gaszynski (Lodz, Poland)

---

**Questions and discussion**

---

*Coffee break*

---

**Sleep apnoea:**

---

**Pathophysiology and mechanisms**

Jonathan Redman (York, United Kingdom)

---

**Screening and treatment**

Michael Margaron (Chichester, United Kingdom)

---

**Perioperative pitfalls**

Jan Paul Mulier (Bruges, Belgium)

---

**Questions and discussion**

---

**Preoperative assessment to reduce risk:**

---

**Cardiac risk and assessment**

Jonathan Redman (York, United Kingdom)

---

**The anaesthetist and the MDT: Risk-benefit judgements**

Michael Margaron (Chichester, United Kingdom)

---

**Fasting guidelines in the obese**

Luc De Baerdemaeker (Gent, Belgium)

---

**Questions and discussion**

---

*Lunch break*

---

**Airways and ventilation:**

---

**How to safely intubate and extubate the obese patient**

Daniela Godoroja (Bucharest, Romania)

---

**Pulmonary mechanics and ventilation in the obese**

Tomasz Gaszynski (Lodz, Poland)

---

**The pneumoperitoneum**

Jan Paul Mulier (Bruges, Belgium)

---

**Post-op care**

Chris Bouch (Leicester, United Kingdom)

---

*Coffee break*

---

**Anaesthetic systems & special cases:**

---



**Antibiotics and thromboprophylaxis**

Luc De Baerdemaeker (Gent, Belgium)

---

**The ideal analgesic technique?**

Chris Bouch (Leicester, United Kingdom)

---

**The ideal anaesthetic technique?**

Jonathan Cousins (London, United Kingdom)

---

**Multiple Choice Questions: questions and answers**

Michael Margaron (Chichester, United Kingdom)

Luc De Baerdemaeker (Gent, Belgium)

---

**Interactive voting**

---

**Panel of speakers**

---

CC

SUA  
Pre-congress Course

**Spinal Sonography Symposium**

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

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

---



**Chairs:**

Prit Anand Singh (Singapore, Singapore)

Kausik Dasgupta (Leicester, United Kingdom)

---

**Introduction**

Kausik Dasgupta (Leicester, United Kingdom)

Prit Anand Singh (Singapore, Singapore)

---

**Guidelines and evidence base to use ultrasound for spinal and paraspinal injections**

Ying Ching Lim (Singapore, Singapore)

David Hall (Edinburgh, United Kingdom)

---

**Ultrasound of spine – basic concepts, image optimisation and pitfalls**

Vandana Gaur (Coventry, United Kingdom)

Sioned Phillips (Surrey, United Kingdom)

---

**Masterclass in thoracic spine including paravertebral, intercostal, dorsal root ganglion**

Ying Ching Lim (Singapore, Singapore)

Devendra Tilak (Warwick, United Kingdom)

Mihaly Kovacs (Miskolc, Hungary)

---

**Coffee break**

---

**Introduction to the use of ultrasound for lumbar spine**

Prashant Kakodkar (Northampton, United Kingdom)

Ekta Rai (Vellore, India)

---

**Masterclass in lumbar/sacral spine sonography including facet joint, sacroiliac, caudal**

Xavier Sala-Blanch (Barcelona, Spain)

Subramanian Ramani (Northampton, United Kingdom)

---

**Demonstration: lumbar and thoracic spine**

Atul Gaur (Leicester, United Kingdom)

Mritunjay Varma (Newcastle Upon Tyne, United Kingdom)

---



**Lunch and interactive demonstration**

Prashant Kakodkar (Northampton, United Kingdom)  
Manoj Kamal (Jodhpur, India)  
Misha Yadav (Nuneaton, United Kingdom)  
Navneet Kumar Narula (Derby, United Kingdom)  
Raghavendran Krishnaiyan (Kettering, United Kingdom)  
Vipul Kaushik (Leicester, United Kingdom)  
Atul Gaur (Leicester, United Kingdom)  
Ravindran Nair (Chelmsford, United Kingdom)

**Introduction to the cervical and trunk blocks using ultrasound**

Subramanian Ramani (Northampton, United Kingdom)  
Xavier Sala-Blanch (Barcelona, Spain)

**Masterclass in cervical spine sonography: roots, facet joint, medial branch**

Senthil Kumaran (Northampton, United Kingdom)  
Yehia Kamel (Leicester, United Kingdom)

**Trunk blocks including Serratus Anterior Plane, TAP etc.**

Prit Anand Singh (Singapore, Singapore)  
Zubair Tariq (Leicester, United Kingdom)

**Demonstration: cervical spine trunk**

*Coffee break*

**Introduction to obstetrics and paediatric use of ultrasound**

Abdelazeem Eldawlatly (Riyadh, Saudi Arabia)  
Karen Smyth (Wolverhampton, United Kingdom)

**How I do it: obstetrics**

Rajeev Vedantham (Great Glen, United Kingdom)  
Raghavendran Krishnaiyan (Kettering, United Kingdom)

**How I do it: paediatric spine**

Ekta Rai (Vellore, India)

**How I do it: consent and asepsis**

Jeetinder Kaur Makkar (Chandigarh, India)

**Faculty Q & A and close of session**

W

USRAW1  
Workshop

**Ultrasound-guided regional anaesthesia (1)**

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

**Chair:**

Jens Borglum (Copenhagen, Denmark)

**Station 1 - Brachial plexus blocks, median, ulnar, radial (at elbow)**

Rasmus W. Hauritz (Kolding, Denmark)

**Station 2 - Paravertebral, lateral and median pectoral nerves, Serratus, erector spinal plane, multi-injection costotransverse blocks**

Jens Borglum (Copenhagen, Denmark)

**Station 3 - Transversus abdominis plane, rectus sheath, fascia transversalis plane, ilioinguinal and iliohypogastric, quadratus lumborum blocks**

Mette Dam (Copenhagen, Denmark)



**Station 4 - Femoral, obturator, lateral femoral cutaneous, fascia iliaca compartment, femoral triangle, adductor canal blocks**

Thomas F. Bendtsen (Aarhus, Denmark)

**Station 5 - Sciatic nerve block with different approaches**

Morne Wolmarans (Norwich, United Kingdom)

**Station 6 - Neuraxial blocks, ultrasound and the vertebral column**

Finn Baerentzen (Roskilde, Denmark)

W

USRAW2  
Workshop

**Ultrasound-guided regional anaesthesia (2)**

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

**Chair:**

Jens Borglum (Copenhagen, Denmark)

**Station 1 - Brachial plexus blocks, median, ulnar, radial (at elbow)**

Rasmus W. Hauritz (Kolding, Denmark)

**Station 2 - Paravertebral, lateral and median pectoral nerves, Serratus, erector spinal plane, multi-injection costotransverse blocks**

Jens Borglum (Copenhagen, Denmark)

**Station 3 - Transversus abdominis plane, rectus sheath, fascia transversalis plane, ilioinguinal and iliohypogastric, quadratus lumborum blocks**

Mette Dam (Copenhagen, Denmark)

**Station 4 - Femoral, obturator, lateral femoral cutaneous, fascia iliaca compartment, femoral triangle, adductor canal blocks**

Thomas F. Bendtsen (Aarhus, Denmark)

**Station 5 - Sciatic nerve block with different approaches**

Morne Wolmarans (Norwich, United Kingdom)

**Station 6 - Neuraxial blocks, ultrasound and the vertebral column**

Finn Baerentzen (Roskilde, Denmark)

W

USRAW3  
Workshop

**Ultrasound-guided regional anaesthesia (3)**

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

**Chair:**

Jens Borglum (Copenhagen, Denmark)

**Station 1 - Brachial plexus blocks, median, ulnar, radial (at elbow)**

Bo Gottschau (Hellerup, Denmark)

**Station 2 - Paravertebral, lateral and median pectoral nerves, Serratus, erector spinal plane, multi-injection costotransverse blocks**

Anders Kehlet Nørskov (Copenhagen, Denmark)

**Station 3 - Transversus abdominis plane, rectus sheath, fascia transversalis plane, ilioinguinal and iliohypogastric, quadratus lumborum blocks**

Christian K. Hansen (Køge, Denmark)

**Station 4 - Femoral, obturator, lateral femoral cutaneous, fascia iliaca compartment, femoral triangle, adductor canal blocks**

Thomas D. Nielsen (Aarhus N, Denmark)



**Station 5 - Sciatic nerve block with different approaches**

Christian Jessen (Horsens, Denmark)

**Station 6 - Neuraxial blocks, ultrasound and the vertebral column**

Philipp Lirk (Boston, United States)

W

USRAW4  
Workshop

**Ultrasound-guided regional anaesthesia 4**

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

**Chair:**

Jens Borglum (Copenhagen, Denmark)

**Station 1 - Brachial plexus blocks, median, ulnar, radial (at elbow)**

Bo Gottschau (Hellerup, Denmark)

**Station 2 - Paravertebral, lateral and median pectoral nerves, Serratus, erector spinal plane, multi-injection costotransverse blocks**

Anders Kehlet Nørskov (Copenhagen, Denmark)

**Station 3 - Transversus abdominis plane, rectus sheath, fascia transversalis plane, ilioinguinal and iliohypogastric, quadratus lumborum blocks**

Christian K. Hansen (Køge, Denmark)

**Station 4 - Femoral, obturator, lateral femoral cutaneous, fascia iliaca compartment, femoral triangle, adductor canal blocks**

Thomas D. Nielsen (Aarhus N, Denmark)

**Station 5 - Sciatic nerve block with different approaches**

Christian Jessen (Horsens, Denmark)

**Station 6 - Neuraxial blocks, ultrasound and the vertebral column**

Philipp Lirk (Boston, United States)

W

USRAW5  
Workshop

**Ultrasound-guided regional anaesthesia (5)**

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

**Chair:**

Jens Borglum (Copenhagen, Denmark)

**Station 1 - Brachial plexus blocks, median, ulnar, radial (at elbow)**

Jose Aguirre (Zürich, Switzerland)

**Station 2 - Paravertebral, lateral and median pectoral nerves, Serratus, erector spinal plane, multi-injection costotransverse blocks**

Martin V. Nielsen (Køge, Denmark)

**Station 3 - Transversus abdominis plane, rectus sheath, fascia transversalis plane, ilioinguinal and iliohypogastric, quadratus lumborum blocks**

Katrine B. Tanggaard (Køge, Denmark)

**Station 4 - Femoral, obturator, lateral femoral cutaneous, fascia iliaca compartment, femoral triangle, adductor canal blocks**

Matthias Desmet (Kortrijk, Belgium)

**Station 5 - Sciatic nerve block with different approaches**

Mojgan Vazin (Køge, Denmark)





**Station 6 - Neuraxial blocks, ultrasound and the vertebral column**

Troels D. Poulsen (Køge, Denmark)

W

USRAW6  
Workshop

**Ultrasound-guided regional anaesthesia (6)**

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

**Chair:**

Jens Borglum (Copenhagen, Denmark)

**Station 1 - Brachial plexus blocks, median, ulnar, radial (at elbow)**

Jose Aguirre (Zürich, Switzerland)

**Station 2 - Paravertebral, lateral and median pectoral nerves, Serratus, erector spinal plane, multi-injection costotransverse blocks**

Martin V. Nielsen (Køge, Denmark)

**Station 3 - Transversus abdominis plane, rectus sheath, fascia transversalis plane, ilioinguinal and iliohypogastric, quadratus lumborum blocks**

Katrine B. Tanggaard (Køge, Denmark)

**Station 4 - Femoral, obturator, lateral femoral cutaneous, fascia iliaca compartment, femoral triangle, adductor canal blocks**

Matthias Desmet (Kortrijk, Belgium)

**Station 5 - Sciatic nerve block with different approaches**

Mojgan Vazin (Køge, Denmark)

**Station 6 - Neuraxial blocks, ultrasound and the vertebral column**

Troels D. Poulsen (Køge, Denmark)

W

THORW1  
Workshop

**Thoracic anaesthesia hands-on workshop (1)**

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

**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)  
Paolo Feltracco (Padova, 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 V. Granell Gil (Valencia, Spain)  
Thomas Heinz 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**

Thomas Bluth (Dresden, Germany)  
Menachem Weiner (New York, United States)

---

W

THORW2  
Workshop

**Thoracic anaesthesia hands-on workshop (2)**

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

---

**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)

---

**Station 1: Double lumen tubes**

Marc-Joseph Licker (Geneva, Switzerland)  
Laszlo Szegedi (Brussels, Belgium)

---

**Hands-on demonstration:**

---

**Station 2: Endobronchial blockers 1**

Andreas Güldner (Dresden, Germany)  
Thomas Kiss (Dresden, Germany)

---

**Station 3: Endobronchial blockers 2**

Nuzhet Mert Sentürk (Istanbul, Turkey)  
Paolo Feltracco (Padova, 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 V. Granell Gil (Valencia, Spain)  
Thomas Heinz 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**

Thomas Bluth (Dresden, Germany)  
Menachem Weiner (New York, United States)

**W** SEDW  
Workshop

**Target-controlled infusion (TCI) for sedation**

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

**Chair:**

Michel Struys (Groningen, Netherlands)

**How TCI pumps work and how they differ from manually controlled infusion pumps. Set-up and safe use of TCI systems. Fundamentals of pharmacokinetic and pharmacodynamic models**

Anthony Absalom (Groningen, Netherlands)

**Clinical examples and strategies of using TCI for procedural and loco-regional sedation. Current practice guidelines and monitoring for safe sedation.**

Stefan Schraag (Clydebank, United Kingdom)

**Sedated and still breathing**

Michel Struys (Groningen, Netherlands)

**Intravenous infusions without TCI pumps**

Steven L. Shafer (Stanford, United States)

**Questions and answers**

**W** SIMLAB1  
Workshop

**Challenging cases in anaesthesia: crisis in the operating room (1)**

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

**Chairs:**

Georges L. Savoldelli (Geneva, Switzerland)  
Dan Benhamou (Le Kremlin-Bicêtre, France)

**Conflict in the operating room**

**Anaphylactic shock**

**W** SIMLAB2  
Workshop

**Challenging cases in anaesthesia: ultrasound guided access for peripheral veins (1)**

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

**Chairs:**

Georges L. Savoldelli (Geneva, Switzerland)  
Dan Benhamou (Le Kremlin-Bicêtre, France)

**Ultrasound guided access for peripheral veins**

**W** SIMLAB3  
Workshop

**Challenging cases in anaesthesia: airway problems in the operating room (1)**

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



**Chairs:**

Georges L. Savoldelli (Geneva, Switzerland)  
Dan Benhamou (Le Kremlin-Bicêtre, France)

---

**Hypoxaemia in a patient in prone position (spine surgery)**

---

**Cannot intubate, cannot oxygenate**

---

W

SIMLAB4  
Workshop

**Challenging cases in anaesthesia: ultrasound guided access for peripheral veins (2)**

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

---

**Chairs:**

Georges L. Savoldelli (Geneva, Switzerland)  
Dan Benhamou (Le Kremlin-Bicêtre, France)

---

**Ultrasound guided access for peripheral veins**

---

W

SIMLAB5  
Workshop

**Challenging cases in anaesthesia: airway problems in the operating room (2)**

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

---

**Chairs:**

Georges L. Savoldelli (Geneva, Switzerland)  
Dan Benhamou (Le Kremlin-Bicêtre, France)

---

**Hypoxaemia in a patient in prone position (spine surgery)**

---

**Cannot intubate, cannot oxygenate**

---

W

SIMLAB6  
Workshop

**Challenging cases in anaesthesia: ultrasound guided access for central venous catheter**

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

---

**Chairs:**

Georges L. Savoldelli (Geneva, Switzerland)  
Dan Benhamou (Le Kremlin-Bicêtre, France)

---

**Ultrasound guided access for central venous catheter (other than the internal jugular vein)**

---

W

SIMLAB7  
Workshop

**Challenging cases in anaesthesia: crisis in the operating room (2)**

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

---

**Chairs:**

Georges L. Savoldelli (Geneva, Switzerland)  
Dan Benhamou (Le Kremlin-Bicêtre, France)

---

**Conflict in the operating room**

---

**Anaphylactic shock**

---



**W** SIMLAB8  
Workshop

## Challenging cases in anaesthesia: basic trans-esophageal echocardiography (TEE) for anaesthesiologists

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

### Chairs:

Georges L. Savoldelli (Geneva, Switzerland)  
Dan Benhamou (Le Kremlin-Bicêtre, France)

Basic TEE for anaesthesiologists

**W** SIMLAB9  
Workshop

## Challenging cases in anaesthesia: crisis in the operating room (3)

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

### Chairs:

Georges L. Savoldelli (Geneva, Switzerland)  
Dan Benhamou (Le Kremlin-Bicêtre, France)

Conflict in the operating room

Anaphylactic shock

**W** SIMLAB10  
Workshop

## Challenging cases in anaesthesia: basic transthoracic echocardiography (TTE) for anaesthesiologists

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

### Chairs:

Georges L. Savoldelli (Geneva, Switzerland)  
Dan Benhamou (Le Kremlin-Bicêtre, France)

Basic TTE for anaesthesiologists

**W** SIMLAB11  
Workshop

## Challenging cases in anaesthesia: airway problems in the operating room (3)

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

### Chairs:

Georges L. Savoldelli (Geneva, Switzerland)  
Dan Benhamou (Le Kremlin-Bicêtre, France)

Hypoxaemia in a patient in prone position (spine surgery)

Cannot intubate, cannot oxygenate

**W** SIMLAB12  
Workshop

## Challenging cases in anaesthesia: cricothyroidotomy and ultrasound evaluation of front of neck access (1)

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

### Chairs:

Georges L. Savoldelli (Geneva, Switzerland)  
Dan Benhamou (Le Kremlin-Bicêtre, France)

Cricothyroidotomy and ultrasound evaluation of front of neck access



**W** SIMLAB13 Workshop **Challenging cases in anaesthesia: airway problems in the operating room (4)**

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

**Chairs:**

Georges L. Savoldelli (Geneva, Switzerland)  
Dan Benhamou (Le Kremlin-Bicêtre, France)

**Hypoxaemia in a patient in prone position (spine surgery)**

**Cannot intubate, cannot oxygenate**

**W** SIMLAB14 Workshop **Challenging cases in anaesthesia: cricothyroidotomy and ultrasound evaluation of front of neck access (2)**

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

**Chairs:**

Georges L. Savoldelli (Geneva, Switzerland)  
Dan Benhamou (Le Kremlin-Bicêtre, France)

**Cricothyroidotomy and ultrasound evaluation of front of neck access**

**W** SIMLAB15 Workshop **Challenging cases in the intensive care unit: emergency trauma care (1)**

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

**Chairs:**

Georges L. Savoldelli (Geneva, Switzerland)  
Dan Benhamou (Le Kremlin-Bicêtre, France)

**Brain injury and increase in intracranial pressure**

**Severe trauma and haemorrhage**

**W** SIMLAB16 Workshop **Challenging cases in the intensive care unit: ultrasound evaluation in trauma - the FAST exam (1)**

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

**Chairs:**

Georges L. Savoldelli (Geneva, Switzerland)  
Dan Benhamou (Le Kremlin-Bicêtre, France)

**Ultrasound evaluation in trauma: the FAST exam (Focused Assessment with Sonography in Trauma)**

**W** SIMLAB17 Workshop **Challenging cases in the intensive care unit: emergency trauma care (2)**

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

**Chairs:**

Georges L. Savoldelli (Geneva, Switzerland)  
Dan Benhamou (Le Kremlin-Bicêtre, France)

**Brain injury and increase in intracranial pressure**

**Severe trauma and haemorrhage**



**W** SIMLAB18  
Workshop

## Challenging cases in the intensive care unit: ultrasound evaluation in trauma - the FAST exam (2)

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

**Chairs:**

Georges L. Savoldelli (Geneva, Switzerland)  
Dan Benhamou (Le Kremlin-Bicêtre, France)

Ultrasound evaluation in trauma: the FAST exam (Focused Assessment with Sonography in Trauma)

**W** SIMLAB19  
Workshop

## Challenging cases in the intensive care unit: crisis in the ICU

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

**Chairs:**

Georges L. Savoldelli (Geneva, Switzerland)  
Dan Benhamou (Le Kremlin-Bicêtre, France)

Refractory convulsive status epilepticus

Patient after cardiac surgery with hypotension and low flow with cardiac tamponade

**W** SIMLAB20  
Workshop

## Challenging cases in the intensive care unit: ultrasound evaluation in trauma - the FAST exam (3)

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

**Chairs:**

Georges L. Savoldelli (Geneva, Switzerland)  
Dan Benhamou (Le Kremlin-Bicêtre, France)

Ultrasound evaluation in trauma: the FAST exam (Focused Assessment with Sonography in Trauma)



## GENERAL ANAESTHESIOLOGY

### Learning Track 1

**RC** 01RCA  
Refresher Course

#### What's the role of inotropes and vasopressors in current anaesthesia practice?

**Chair:**  
Daniela Filipescu (Bucharest, Romania)

**Speaker:**  
Patrick Wouters (Gent, Belgium)

**RC** 01RCB  
Refresher Course

#### Comparative opioid pharmacology

**Chair:**  
Manfred Blobner (Munich, Germany)

**Speaker:**  
Steven L. Shafer (Stanford, United States)

**RC** 01RCC  
Refresher Course

#### Recreational drugs: anaesthesia and intensive care implications

**Chair:**  
Philip Hopkins (Leeds, United Kingdom)

**Speaker:**  
Jonathan Thompson (Leicester, United Kingdom)

**RC** 01RCD  
Refresher Course

#### Ultrasound guided central venous cannulation: questions and answers

**Chair:**  
Annelies Moerman (Gent, Belgium)

**Ultrasound guided central venous cannulation: Questions and answers**  
Bernd Saugel (Hamburg, Germany)

**D** 01DA  
Pro & Con Debate

#### Epidural anaesthesia for hepatobiliary pancreatic (HPB) surgery: Pro-Con

**Chair:**  
Donat Spahn (Zürich, Switzerland)

**Pro**  
Anil Gupta (Stockholm, Sweden)

**Con**  
Zoka Milan (London, United Kingdom)





**D** 01DB  
Pro & Con Debate

## Target-controlled infusion devices: utile or futile?

**Chair:**  
Andreas Hoeft (Bonn, Germany)

**Pro: Target-controlled infusion devices are utile**  
Michel Struys (Groningen, Netherlands)

**Con: Target-controlled infusion devices are futile**  
Emmanuel Boselli (Lyon, France)

**S** 01SA  
Symposium

## Current controversies in monitoring of neuromuscular blockade Symposium organised in collaboration with the European Society for Computing and Technology in Anaesthesia and Intensive Care (ESCTAIC)



**Chair:**  
Manfred Blobner (Munich, Germany)

**Introducing new devices and techniques**  
Sorin J. Brull (Jacksonville, United States)

**Optimisation of surgical conditions by choosing appropriate relaxometry stimulation patterns**  
Peter Biro (Zürich, Switzerland)

**Optimal target for complete neuromuscular recovery**  
Lars I Eriksson (Stockholm, Sweden)

**Update on development of novel compounds - From CW002 to cucurbiturils**  
Thomas Fuchs-Buder (Vandoeuvres-Les-Nancy, France)

**S** 01SB  
Symposium

## Fast-track surgery: which patient? Which procedures? What is essential?

**Chair:**  
Monty Mythen (London, United Kingdom)

**Fast-track cardiac surgery**  
Burkhard Mackensen (Seattle, United States)

**Fast-track visceral surgery**  
William J Fawcett (Gilford, United Kingdom)

**Fast-track orthopedic surgery**  
Eske Aasvang (Copenhagen, Denmark)

**Fast-track neurosurgery**  
Deborah Culley (Boston, United States)

**S** 01SD  
Symposium

## Why and how avoiding eventeration syndrome and intraoperative gut inflammation?

**Chair:**  
Kai Zacharowski (Frankfurt am Main, Germany)



**Pathophysiology of peritoneum and gut inflammation during surgery**

Jörg Kalff (Bonn, Germany)

**How can the anaesthesiologist reduce the intraoperative inflammation during pneumoperitoneum?**

Jan Paul Mulier (Bruges, Belgium)

**Does obesity protect or impair organ function?**

Xiangming Fang (Hangzhou, China)

S

01SE  
Symposium

**General anaesthesia for the patient with Obstructive Sleep Apnea Syndrome (OSAS)**

**Chair:**

Marcelo Gama de Abreu (Dresden, Germany)

**Mechanical methods to avoid postoperative obstructive breathing in OSAS patients**

Frances Chung (Toronto, Canada)

**Drug choices in general anaesthesia to avoid postoperative obstructive breathing in OSAS patients**

Jan Paul Mulier (Bruges, Belgium)

**Prediction of complications by STOPBANG**

Daniel Sessler (Cleveland, United States)

S

01SF  
Symposium

**One stop pre-op clinic: what can we diagnose and manage ourselves and when to involve a specialist?**

**Chair:**

Andreas Hoeft (Bonn, Germany)

**Anaemia management**

Kai Zacharowski (Frankfurt am Main, Germany)

**Cardiac disease management**

Wolfgang Buhre (Maastricht, Netherlands)

**Pulmonary disease**

Marcelo Gama de Abreu (Dresden, Germany)

S

01SG  
Symposium

**Challenges for advancing anaesthetic pharmacology in Europe**

**Chair:**

Philip Hopkins (Leeds, United Kingdom)

**Why is most pharmacological research flawed?**

Steven L. Shafer (Stanford, United States)

**Research using investigational medicinal products in anaesthesia**

Manfred Blobner (Munich, Germany)

**Phase I and II clinic studies of HSK3486 - a new anaesthetic of alkyl phenolic derivative with higher potency than Propofol**

Jin Liu (Chengdu, China)



S

01SI  
Symposium

## Anaphylaxis in anaesthesia

**Chair:**

Philip Hopkins (Leeds, United Kingdom)

**Definitions, clinical classifications and gradings**

Paul Michel Mertes (Strasbourg, France)

**Epidemiology of drug allergy in anaesthesia**

Nigel J. N. Harper (Manchester, United Kingdom)

**Investigating suspected anaesthetic drug allergy**

Lene Heise Garvey (Copenhagen, Denmark)

S

01SJ  
Symposium

## Monitoring fluid responsiveness

**Chair:**

Bernd Saugel (Hamburg, Germany)

**Fluid responsiveness prediction: What is it good for?**

Simon Vistisen (Aarhus C, Denmark)

**The value of dynamic variables during spontaneous ventilation**

Azriel Perel (Tel Aviv, Israel)

**Invasive or non-invasive monitoring for assessing fluid responsiveness?**

Julia Wagner (Hamburg, Germany)

S

01SL  
Symposium

## Update on malignant hyperthermia

### Symposium organised in collaboration with the European Malignant Hyperthermia Group (EMHG)

**EMHG**

**Chair:**

Philip Hopkins (Leeds, United Kingdom)

**Genetics of malignant hyperthermia and implications for diagnostic testing**

Erik-Jan Kamsteeg (Nijmegen, Netherlands)

**Dantrolene guidelines**

Klaus Glahn (Copenhagen, Denmark)

**Simulation training and malignant hyperthermia**

Anne Frederique Dalmas (Lille, France)



# AMBULATORY ANAESTHESIA

## Learning Track 2

L

02LA  
Lecture

### Anaesthesia in space: the ultimate ambulatory setting

**Chair:**

Mark Skues (Chester, United Kingdom)

**Speaker:**

Matthieu Komorowski (Lille, France)

S

02SA  
Symposium

### The organisation of ambulatory care in Europe

**Chair:**

Anil Gupta (Stockholm, Sweden)

**France**

Marc Beaussier (Paris, France)

**United Kingdom**

Mark Skues (Chester, United Kingdom)

**Italy**

Roberta Monzani (Rozzano (Mi), Italy)

**Netherlands**

Marcel de Korte (Maastricht, Netherlands)



## REGIONAL ANAESTHESIA

### Learning Track 3

RC

03RCA  
Refresher Course

#### Evidence behind new regional blocks

**Chair:**

Eric Albrecht (Lausanne, Switzerland)

**Speaker:**

Jens Borglum (Copenhagen, Denmark)

RC

03RCB  
Refresher Course

#### How to optimize your ultrasound for regional anaesthesia - theoretical background and practical applications

**Chair:**

Erik Sloth (Aarhus N, Denmark)

**How to optimize your ultrasound for regional anaesthesia - Theoretical background and practical applications**

Luc Sermeus (Edegem, Belgium)

L

03LA  
Lecture

#### New guidelines on ultrasound vascular access and nerve blocks

**Chair:**

Anthony Absalom (Groningen, Netherlands)

**Speaker:**

Massimo Lamperti (Abu Dhabi, United Arab Emirates)

D

03DA  
Pro & Con Debate

#### Use of ultrasound in spinal and epidural anaesthesia: Pro-Con

**Chair:**

Philipp Lirk (Boston, United States)

**Pro**

Gabriella Iohom (Cork, Ireland)

**Con**

Eric Albrecht (Lausanne, Switzerland)

S

03SA  
Symposium

#### Safety of neuraxial drug administration

**Chair:**

Marc Moritz Berger (Salzburg, Austria)

**Research methodologies for determining neurotoxicity**

Barbara Sinner (Regensburg, Germany)



**Local anaesthetics**

Philipp Lirk (Boston, United States)

---

**Adjuvant drugs**

Alain Borgeat (Zürich, Switzerland)

---



## OBSTETRIC ANAESTHESIOLOGY

### Learning Track 4

RC

04RCA  
Refresher Course

### Neuraxial analgesia for labour: standard techniques versus novel approach - Young Teaching Recognition Award winner 2017

**Chair:**

Marc Van de Velde (Leuven, Belgium)

**Neuraxial analgesia for labour: standard techniques versus novel approach**

Selin Erel (Ankara, Turkey)

L

04LA  
Lecture

### Last year's top publications in obstetric analgesia and anaesthesia

**Chair:**

Carolyn Weiniger (Jerusalem, Israel)

**Speaker:**

Pierre-Yves Dewandre (Liège, Belgium)

L

04LB  
Lecture

### Analgesia for labour and post-caesarean delivery

**Chair:**

Frédéric Mercier (Clamart, France)

**Speaker:**

Brendan Carvalho (Stanford, United States)

S

04SA  
Symposium

### How to predict, detect, prevent spinal hypotension during Caesarean section

**Chair:**

Peter Kranke (Würzburg, Germany)

**Genetic prediction approach**

Ruth Landau (New York, United States)

**Clinical testing and monitoring for prediction/detection**

Michael Heesen (Baden, Switzerland)

**Prevention in clinical practice**

Frédéric Mercier (Clamart, France)

S

04SB  
Symposium

### Parturients with problem

**Chair:**

Michael Heesen (Baden, Switzerland)



**The parturient with addiction**

Ruth Landau (New York, United States)

---

**The elderly parturient**

Carolyn Weiniger (Jerusalem, Israel)

---

**The post-bariatric surgery parturient**

Marc Van de Velde (Leuven, Belgium)

---

S

04SC  
Symposium

**Obstetric emergencies and/or safety in the delivery rooms**

---

**Chair:**

Emilia Guasch (Madrid, Spain)

---

**High spinal scenario**

Nuala Lucas (London, United Kingdom)

---

**Haemorrhagic scenario**

Emilia Guasch (Madrid, Spain)

---

**Amniotic fluid embolism scenario**

Kim Ekelund (Copenhagen, Denmark)

---

**Preeclampsia scenario (with HELLP & eclampsia complications)**

Dudu Berrin Günaydin (Ankara, Turkey)

---

S

04SD  
Symposium

**Respiratory failure during pregnancy**

---

**Chair:**

Sharon Einav (Jerusalem, Israel)

---

**Physiological changes of pulmonary volumes and arterial blood gases during pregnancy**

Frédéric Mercier (Clamart, France)

---

**How to manage the pregnant patient with chronic or acute respiratory failure**

Marc Leone (Marseille, France)

---

**How to manage the parturient with difficult airway**

Ellen P. O'Sullivan (Dublin, Ireland)

---

S

04SE  
Symposium

**Opioids in obstetric practice**

---

**Chair:**

Tony Gin (Hong Kong, China)

---

**Effects of maternally administered opioids on the foetus**

Merja Kokki (Kuopio, Finland)

---

**Use of neuraxial opioids for analgesia/anaesthesia in obstetrics**

Roshan Fernando (London, United Kingdom)

---

**Use of intravenous opioids for labour analgesia & during Caesarean delivery**

Matthew Wilson (Sheffield, United Kingdom)

---





S 04SF  
Symposium

## Placenta previa - accreta/increta/percreta

---

### Chair:

Frédéric Mercier (Clamart, France)

---

### Obstetric management

Gilles Kayem (Paris, France)

---

### Anaesthetic and resuscitation management

Carolyn Weiniger (Jerusalem, Israel)

---



## PAEDIATRIC ANAESTHESIOLOGY

### Learning Track 5

RC

05RCA  
Refresher Course

### Ventilation of children in the operating room

**Chair:**

Nicola Disma (London, United Kingdom)

**Speaker:**

Walid Habre (Geneva, Switzerland)

ME

05MEA  
Meet the Expert

### EuroSTAR meets APRICOT and NECTARINE (ESA Clinical Trial Network): how can we provide safe anaesthesia for every child?

**Chair:**

Tom Giedsing Hansen (Odense, Denmark)

**APRICOT and NECTARINE: what's new?**

Francis Veyckemans (Lille, France)

**From neurotoxicity to safe anaesthesia for every child: update 2018**

Laszlo Vutskits (Geneva, Switzerland)

S

05SA  
Symposium

### Papers in paediatric anaesthesiology that changed my practice

**Chair:**

Thomas Engelhardt (Aberdeen, United Kingdom)

**Papers in paediatric anaesthesia that changed my practice**

Tom Giedsing Hansen (Odense, Denmark)

**Papers in paediatric pain and emergency medicine that changed my practice**

Nicola Disma (London, United Kingdom)

S

05SB  
Symposium

### Perioperative medicine in paediatric anaesthesia

**Chair:**

Karin Becke (Nürnberg, Germany)

**The concept of perioperative medicine in paediatric anaesthesia - an overview**

Pablo Ingelmo (Montreal, Canada)

**Preoperative fasting times in children - time for a change?**

Mark Thomas (London, United Kingdom)

**Prevention of postoperative problems in children: pain, postoperative nausea and vomiting (PONV) and emergence delirium**

Tarun Bhalla (Columbus, United States)



S 05SC  
Symposium

## Best practice in paediatric anaesthesia

Symposium organised in collaboration with the European Society of Paediatric Anaesthesiology (ESPA)

---



**Chair:**  
Francis Veyckemans (Lille, France)

---

**The child with a cold**  
Karin Becke (Nürnberg, Germany)

---

**Inhalational, intravenous or smartphone induction?**  
Per-Arne Lönnqvist (Stockholm, Sweden)

---

**The use of muscle relaxants and reversal agents in children**  
Ignacio Galvez Escalera (Palma de Mallorca, Spain)

---



## NEUROANAESTHESIOLOGY

### Learning Track 6

RC

06RCA  
Refresher Course

### Updates in neuroanaesthesia: intraoperative brain imaging

**Chair:**

Alexander Zlotnik (Beer Sheva, Israel)

**Speaker:**

Maria Cristina Honorato (Pamplona, Spain)

S

06SA  
Symposium

### Neuro critical care

**Chair:**

Federico Bilotta (Rome, Italy)

**Pituitary dysfunction after brain insults**

Ekaterina Kondratyeva (St Petersburg, Russia)

**Modern approach to fluid management of traumatic brain injury**

Marcel Aries (Maastricht, Netherlands)

**Pulmonary dysfunction after acute brain insults**

Francesco Corradi (Genova, Italy)

**Neural circuitry mechanisms of emergence and cognition recovery from general anaesthesia**

Hailong Dong (Xi'an, China)

S

06SB  
Symposium

### Common issues in neuroanaesthesia: how do we face them?

**Chair:**

Alexander Zlotnik (Beer Sheva, Israel)

**Anaesthetic complications of prone position**

Basil F. Matta (Cambridge, United Kingdom)

**EEG as a tool for identifying intra-operative brain dysfunction**

Dana Baron Shahaf (Haifa, Israel)

**Neuromonitoring in anaesthesia: how to evaluate neuronal function during anaesthesia**

Michael Malcharek (Leipzig, Germany)



# CARDIAC, THORACIC AND VASCULAR ANAESTHESIOLOGY

## Learning Track 7

RC

07RCA  
Refresher Course

### Applied cardiovascular physiology: how to get oxygen to the tissues?

**Chair:**

Jean-Luc Fellahi (Lyon, France)

**How to get oxygen to the tissues?**

Matthias Jacob (Straubing, Germany)

RC

07RCB  
Refresher Course

### Cardiogenic shock: an update

**Chair:**

Patrick Wouters (Gent, Belgium)

**Speaker:**

Alexandre Mebazaa (Paris, France)

S

07SA  
Symposium

### Macro-hemodynamic optimisation in high-risk surgical patients

**Chair:**

Jean-Luc Fellahi (Lyon, France)

**The starting rules for fluid administration**

Matthias Eikermann (Boston, United States)

**The stopping rules for fluid administration**

Idit Matot (Tel Aviv, Israel)

**The role of vasopressors and inotropes**

Vladimir Cerny (Hradec Kralove, Czech Republic)

S

07SB  
Symposium

### Advanced monitoring in the operating room

**Chair:**

Thomas Scheeren (Groningen, Netherlands)

**Minimally invasive cardiac output monitoring in the operating room**

Bernd Saugel (Hamburg, Germany)

**Near infrared spectroscopy (NIRS) monitoring in the operating room**

Matthias Heringlake (Lübeck, Germany)

**3D-echo in the cardiac theatre: tool or toy?**

Fabio Guarracino (Pisa, Italy)



**How to monitor cerebral autoregulation**

Annelies Moerman (Gent, Belgium)

S 07SC  
Symposium

**"I give some fluids because..." - 10 minutes to convince**

**Chair:**

Benedikt Preckel (Amsterdam, Netherlands)

**The patient is hypotensive**

Daniel Chappell (Munich, Germany)

**The patient has tachycardia**

Azriel Perel (Tel Aviv, Israel)

**The patient develops oliguria**

Matthieu Legrand (Paris, France)

**The central venous pressure is low**

Jihad Mallat (Lens, France)

**The dynamic indices of preload dependency are high**

Daniel A. Reuter (Hamburg, Germany)

**The cardiac output is low**

Thomas Scheeren (Groningen, Netherlands)

S 07SD  
Symposium

**Cardiac surgery in the super-elderly**

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



**Chair:**

Simon Howell (Leeds, United Kingdom)

**Preoperative risk stratification in the elderly patient**

Hans-Joachim Priebe (Freiburg, Germany)

**Diastolic function and heart failure: a special challenge**

Alexandre Mebazaa (Paris, France)

**Update on minimally invasive cardiac procedures**

Benedikt Preckel (Amsterdam, Netherlands)

S 07SE  
Symposium

**Minimising blood loss in cardiac surgery**

**Chair:**

Benjamin Drenger (Jerusalem, Israel)

**The use of antifibrinolytic therapy in cardiac surgery**

David Faraoni (Toronto, Canada)

**Cardiac surgery in patient treated with full antiplatelet therapy**

Julien Amour (Paris, France)

**Patient blood management in cardiac surgery**

Dan Longrois (Paris, France)



S

07SF  
Symposium

## Perioperative myocardial protection: An update

---

**Chair:**

Jean-Luc Fellahi (Lyon, France)

---

**Research progress on cardiopulmonary protection strategy during the perioperative period**

Shanglong Yao (Wuhan, China)

---

**Myocardial protection in clinical practice: what is the evidence?**

Julien Amour (Paris, France)

---

**Towards a multi-modal systemic protection strategy?**

Benedikt Preckel (Amsterdam, Netherlands)



## ACUTE AND CHRONIC PAIN MANAGEMENT AND PALLIATIVE MEDICINE Learning Track 8

### L 08LB Lecture **Early integrated care of oncology and palliative care improves patients' outcome**

**Chair:**  
Jan Van Zundert (Lanaken, Belgium)

**Speaker:**  
Kris Vissers (Nijmegen, Netherlands)

### D 08DA Pro & Con Debate **Pros and cons for an opioid free anaesthesia (OFA)**

**Chair:**  
Jean-Pierre Estebe (Rennes, France)

**Pro**  
Patricia Lavandhomme (Bruxelles, Belgium)

**Con**  
Thomas Bouillon (Leuven, Belgium)

### S 08SA Symposium **Chronic pain after surgery**

**Chair:**  
Esther M. Pogatzki-Zahn (Münster, Germany)

**Perioperative hyperalgesia - a predictor of chronic pain after surgery**  
Valeria Martinez (Garches, France)

**Neuropathic or nociceptive? How to diagnose and treat**  
Massimo Allegri (Parma, Italy)

**Interventional techniques for chronic postsurgical pain**  
Jan Van Zundert (Lanaken, Belgium)

### S 08SB Symposium **Acute postoperative pain: novel strategies to predict and manage pain after surgery**

**Chair:**  
Esther M. Pogatzki-Zahn (Münster, Germany)

**Can we predict poor acute postoperative pain outcome?**  
Esther M. Pogatzki-Zahn (Münster, Germany)

**What are the right drug combinations to manage acute postoperative pain?**  
Caterina Aurilio (Napoli, Italy)





S 08SC  
Symposium

## New kids on the pain block

---

**Chair:**

Jean-Pierre Estebe (Rennes, France)

---

**New devices - can they measure nociception?**

Albert Dahan (Leiden, Netherlands)

---

**A new era of opioids - analgesic but without side effects?**

Christoph Stein (Berlin, Germany)

---



## INTENSIVE CARE MEDICINE

### Learning Track 9

RC

09RCA  
Refresher Course

### How to induce and maintain therapeutic hypothermia

**Chair:**

Eldar Soreide (Stavanger, Norway)

**Speaker:**

Oliver Kimberger (Vienna, Austria)

S

09SA  
Symposium

### Controversies in the ventilatory management of brain-injured patients in the intensive care unit

**Chair:**

Alexander Zlotnik (Beer Sheva, Israel)

**Brain and lung interaction**

Torra Luis Blanch (Sabadell, Barcelona, Spain)

**Mechanical ventilation to protect the brain and the lung**

Sharon Einav (Jerusalem, Israel)

**Don't forget the hemodynamic side**

Fabio Taccone (Brussels, Belgium)

S

09SB  
Symposium

### The heart-lung interaction in the perioperative period

**Chair:**

Jean-Luc Fellahi (Lyon, France)

**In cardio-thoracic patients**

Christian Putensen (Bonn, Germany)

**In morbidly obese patients**

Radmilo Jankovic (Nis, Serbia)

**In septic patients**

Zsolt Lajos Molnar (Szeged, Hungary)

**In patients with respiratory failure**

Davide Chiumello (Milano, Italy)

S

09SC  
Symposium

### Mechanical ventilation: case presentations with experts

**Chair:**

Massimiliano Sorbello (Catania, Italy)



**Recruitment manoeuvre in the intensive care unit**

Torra Luis Blanch (Sabadell, Barcelona, Spain)

---

**Recruitment manoeuvres in the operating room**

Marcelo Gama de Abreu (Dresden, Germany)

---

**Extracorporeal CO<sub>2</sub> - removal in chronic obstructive pulmonary disease (COPD) patients**

Stephan Braune (Hamburg, Germany)

---

**Extracorporeal CO<sub>2</sub> - removal to prevent ventilator-induced lung injury (VILI)**

Davide Chiumello (Milano, Italy)

---

S

09SD  
Symposium

**Fungal infections for the anaesthesiologist**

---

**Chair:**

Claude Martin (Marseille, France)

---

**Early diagnosis**

Elie Azoulay (Paris, France)

---

**What is the evidence about early antifungal treatment?**

Andrea Cortegiani (Palermo, Italy)

---

S

09SE  
Symposium

**Guidelines for acute kidney injury (AKI) in intensive care unit - what are we doing with them?**

---

**Chair:**

Alexander Zarbock (Münster, Germany)

---

**Acute kidney injury - implementing the KDIGO guidelines**

Alexander Zarbock (Münster, Germany)

---

**'The golden hours in AKI treatment' - does it work in the clinical routine?**

Stefano Romagnoli (Florence, Italy)

---

**AKI as a complex syndrome - outlook 2018**

Paolo Pelosi (Genova, Italy)

---

S

09SF  
Symposium

**Goal-directed therapy in 2018: how to use it?**

---

**Chair:**

Azriel Perel (Tel Aviv, Israel)

---

**Individualising hemodynamic management in different clinical settings**

Bernd Saugel (Hamburg, Germany)

---

**Extravascular lung water as a target for intensive care**

Mikhail Y. Kirov (Arkhangelsk, Russia)

---

**"Liberal" or "restrictive": the same question for oxygen, blood and fluids**

Azriel Perel (Tel Aviv, Israel)

---

**The 'crystalloid vs. colloid saga': a never-ending story?**

Zsolt Lajos Molnar (Szeged, Hungary)

---



S

09SG  
Symposium

## Challenges in difficult-to-treat infections

**Chair:**

Gernot Marx (Aachen, Germany)

**Complicated intra-abdominal infections**

Claude Martin (Marseille, France)

**Late-onset nosocomial pneumonia**

Gernot Marx (Aachen, Germany)

**Pneumocystis pneumonia in 2018**

Elie Azoulay (Paris, France)

**Should I give antifungals to this critically ill patient?**

Andrea Cortegiani (Palermo, Italy)

S

09SH  
Symposium

## Ventilation at best from the operating room to the intensive care unit Symposium organised in collaboration with the European Society of Intensive Care Medicine (ESICM)



**Chair:**

Maurizio Cecconi (London, United Kingdom)

**Is protective ventilation the same in the ICU and the OR?**

Giacomo Bellani (Monza, Italy)

**From high flow to non-invasive ventilation pre and post anaesthesia**

Massimo Antonelli (Rome, Italy)

**Preventing delirium in intubated patients**

Michael Sander (Gießen, Germany)

S

09SI  
Symposium

## Outcomes and ethics in intensive care

**Chair:**

Paul McConnell (Paisley, United Kingdom)

**What affects ICU outcomes worldwide?**

Martin Martin-Loeches (Dublin, Ireland)

**How does frailty affect ICU outcome?**

Sean Bagshaw (Edmonton, Canada)

**Health, genetics and resource allocation - are we more than our genes and pathologies?**

Robert Klitzman (New York, United States)



## CRITICAL EMERGENCY MEDICINE - TRAUMA AND RESUSCITATION

### Learning Track 10

L

10LA  
Lecture

#### The other translational medicine: from anaesthesiological combat casualty care to bedside

**Chair:**

Azriel Perel (Tel Aviv, Israel)

**Speaker:**

Timothy Hodgetts (Birmingham, United Kingdom)

ME

10MEA  
Meet the Expert

#### Return of spontaneous circulation - what next?

**Chair:**

Bernd Böttiger (Cologne, Germany)

**Post resuscitation care**

Markus Skrifvars (Helsinki, Finland)

**Prognostication after cardiac arrest**

Claudio Sandroni (Rome, Italy)

S

10SA  
Symposium

#### Cardiac arrest - research

**Chair:**

Luca Brazzi (Torino, Italy)

**EURECA-NET the European Cardiac Arrest Registry**

Jan-Thorsten Gräsner (Kiel, Germany)

**ILCOR - a new approach to evidence**

Gavin Perkins (Coventry, United Kingdom)

**ESCAPE-NET European Sudden Cardiac Arrest Network**

Hanon Tan (Amsterdam, Netherlands)

S

10SB  
Symposium

#### Controversies in cardiac arrest

#### Symposium organised in collaboration with the European Resuscitation Council (ERC)



**Chair:**

Jerry Nolan (Bath, United Kingdom)

**Medication in cardiac arrest: results from the PARAMEDIC-2 study**

Gavin Perkins (Coventry, United Kingdom)



**Mechanical vs. manual chest compressions**

Lars Wik (Oslo, Norway)

**To cool or not to cool**

Hans Domanovits (Vienna, Austria)

**Endotracheal intubation - really required?**

Lars Andersen (Aarhus, Denmark)

S

10SC  
Symposium

**Critical emergency medicine**

**Chair:**

Bernd Böttiger (Cologne, Germany)

**Variation of practice throughout Europe**

Luca Brazzi (Torino, Italy)

**The position of the ESA/EBA**

Karl-Christian Thies (Birmingham, United Kingdom)

**Round table**

Bernd Böttiger (Cologne, Germany)

S

10SD  
Symposium

**New developments in pre-hospital emergency medicine**

**Chair:**

Jochen Hinkelbein (Köln, Germany)

**Rural-Rescue: a programme to improve survival of out-of-hospital cardiac arrest in a remote region**

Klaus Hahnenkamp (Greifswald, Germany)

**Better outcomes through cardiac arrest centres?**

Andres Schober (Vienna, Austria)

**Pre-hospital ultrasound - the stethoscope of the 21st century?**

Raoul Breitzkreutz (Frankfurt, Germany)

S

10SE  
Symposium

**Critical emergency medicine in children: The tough challenge**

**Chair:**

Karin Becke (Nürnberg, Germany)

**Cardiac arrest in children**

Barney Scholefield (Birmingham, United Kingdom)

**Damage control resuscitation in children**

Karl-Christian Thies (Birmingham, United Kingdom)

**How to anaesthetise a child in shock**

Christoph Bernhard Eich (Hannover, Germany)

S

10SF  
Symposium

**Time is brain - acute management of stroke**

**Chair:**

Ayten Saracoglu (Istanbul, Turkey)



**Pre-hospital cranial CT-scan - state of the art?**

Audebert Heinrich (Berlin, Germany)

**Interventional radiology - the breakthrough?**

Olvert Berkhemer (Amsterdam, Netherlands)

**Vital function support in stroke - what can the anaesthesiologist do?**

Jane Sturgess (West Suffolk, United Kingdom)

**General or local anaesthesia in intra-arterial therapy**

Mads Rasmussen (Aarhus, Denmark)

S

10SG  
Symposium

**Training in critical emergency care**

**Chair:**

Karl-Christian Thies (Birmingham, United Kingdom)

**The emergency surgeon**

Jonathan Tilsed (Hull, United Kingdom)

**Trauma anaesthesia as a supraspecialty**

Peter A. Oakley (Stoke-on-Trent, United Kingdom)

**Critical emergency medicine - an anaesthetic core competency**

Leif Rognas (Aarhus, Denmark)

S

10SH  
Symposium

**Cardiac arrest in the operating room: why is it different?**

**Chair:**

Ayten Saracoglu (Istanbul, Turkey)

**Report from the working group**

Edoardo De Robertis (Napoli, Italy)

**Advanced cardiac life support: can we make it work in the operating room?**

Lott Carsten (Mainz, Germany)

**One team, one problem - the view of the European Society for Trauma and Emergency Surgery (ESTES)**

Jonathan Tilsed (Hull, United Kingdom)

S

10SI  
Symposium

**Medicine and migration**

**Chair:**

Hartmut Bürkle (Freiburg, Germany)

**Critical care in disaster zones**

Médecins Sans Frontières/Doctors Without Borders (MSF)

**Refugees and their impact on healthcare systems**

Jan-Thorsten Gräsner (Kiel, Germany)

**The rights of refugees: what should we do, what can we do?**

Jessica Jones (London, United Kingdom)

**Contagion: detecting and halting the spread of pandemics**

Jonathan Nguyen-Van-Tam (Nottingham, United Kingdom)



# RESPIRATION AND AIRWAY MANAGEMENT

## Learning Track 11

L

11LA  
Lecture

### Difficult Airway Society (DAS) guidelines for the management of difficult airways in the intensive care unit

**Chair:**

Ellen P. O'Sullivan (Dublin, Ireland)

**DAS guidelines for the management of difficult airways in the intensive care unit**

Andrew Higgs (Warrington, United Kingdom)

D

11DA  
Pro & Con Debate

### Non-invasive ventilation in "denovo" acute hypoxemic respiratory failure: Pro-Con

**Chair:**

Kemal Tolga Saracoglu (Istanbul, Turkey)

**Pro : non-invasive ventilation is still alive**

Samir Jaber (Montpellier, France)

**Con: non-invasive ventilation is going to die**

Salvatore Maurizio Maggiore (Chieti, Italy)

S

11SA  
Symposium

### High Flow Nasal Therapy (HFNT)

**Chair:**

Ellen P. O'Sullivan (Dublin, Ireland)

**Rationale of using HFNT**

Cesare Gregoretti (Palermo, Italy)

**HFNT in the intensive care unit and the post-operative setting**

Salvatore Maurizio Maggiore (Chieti, Italy)

**HFNT in the operating room**

Stephan Braune (Hamburg, Germany)

S

11SB  
Symposium

### Ventilation and airway in the morbidly obese patient

#### Symposium organised in collaboration with the European Society for Perioperative Care for the Obese Patient (ESPCOP)

**Chair:**

Paolo Pelosi (Genova, Italy)

**The rapid sequence induction in the obese: when and how to use it**

Michael Margaron (Chichester, United Kingdom)







**How to organise your difficult airway trolley for obese patients**

Daniela Godoroja (Bucharest, Romania)

**Supraglottic airway devices in the obese: to use or not to use?**

Ankie Hamaekers (Maastricht, Netherlands)

**Non-invasive ventilation in the perioperative period**

Luc De Baerdemaeker (Gent, Belgium)

**Lung atelectasis: how to measure and treat it in the obese?**

Tomasz Gaszynski (Lodz, Poland)

S

11SC  
Symposium

## Videolaryngoscopy

**Chair:**

Volker Döriges (Kiel, Germany)

**Is videolaryngoscopy the new gold standard of laryngoscopy?**

Lorenz Gregor Theiler (Bern, Switzerland)

**Are all videolaryngoscopes equal - what is the evidence?**

Karl Schebesta (Vienna, Austria)

S

11SD  
Symposium

## Teaching and training in airway management

**Chair:**

Anil Patel (London, United Kingdom)

**The role of guidelines and cognitive aids in teaching airway management**

Ellen P. O'Sullivan (Dublin, Ireland)

**Place of simulation in teaching airway management**

Johannes Huitink (Amsterdam, Netherlands)

**Airway teaching across the globe - what can we learn?**

Alistair McNarry (Edinburgh, United Kingdom)

**Psychology of errors in airway management**

Massimiliano Sorbello (Catania, Italy)

S

11SE  
Symposium

## Airway cases and the law

**Chair:**

Robert Greif (Bern, Switzerland)

**Medicolegal airway cases in UK: lessons learned**

Timothy M. Cook (Bath, United Kingdom)

**The role of the airway expert in a coroner's inquest**

Keith Greenland (Brisbane, Australia)

**How to stay out of court?**

John Adam Law (Halifax, Canada)



S 11SF  
Symposium

## Pulmonary update

---

**Chair:**

Edmond Cohen (New York, United States)

---

**Nitric oxide: what have we learned in 20 years?**

Didier Payen (Paris, France)

---

**Protective lung ventilation: what are we protecting?**

Luciano Gattinoni (Milano, Italy)

---

**Endoscopic lung volume reduction: is that the future?**

Edmond Cohen (New York, United States)

---



# TRANSFUSION, HAEMOSTASIS AND THROMBOSIS

## Learning Track 12

RC

12RCA  
Refresher Course

### Update on transfusion complications

**Chair:**

Christian Fenger-Eriksen (Aarhus, Denmark)

**Speaker:**

Alexander Vlaar (Amsterdam, Netherlands)

RC

12RCB  
Refresher Course

### Rotem testing in trauma patients - Young Teaching Recognition Award winner 2017

**Chair:**

Jens Meier (Linz, Austria)

**Rotem testing in trauma patients**

Igor Vaskovic (Belgrade, Serbia)

L

12LA  
Lecture

### To bridge or not to bridge

**Chair:**

Christian Fenger-Eriksen (Aarhus, Denmark)

**Speaker:**

Oliver Grottke (Aachen, Germany)

ME

12MEA  
Meet the Expert

### Regional anaesthesia and antithrombotic drugs

**Chair:**

Jens Meier (Linz, Austria)

**Speaker:**

Thomas Owain (Lund, Sweden)

S

12SA  
Symposium

### Searching for the ideal transfusion trigger

**Chair:**

Aamer B. Ahmed (Leicester, United Kingdom)

**Transfusion goals on a microvascular and tissue level**

Christa Boer (Amsterdam, Netherlands)

**Haemoglobin: the usual suspect**

Andrew Klein (Cambridge, United Kingdom)



**New transfusion triggers: the markers of anaemia tolerance**

Marco Ranucci (San Donato Milanese, Italy)

---

S

12SB  
Symposium

**Perioperative management of the elderly bleeding patient**

---

**Chair:**

Idit Matot (Tel Aviv, Israel)

---

**Anaemia or transfusion - what is worse for the elderly**

Jens Meier (Linz, Austria)

---

**Appropriate transfusion triggers in the elderly - other than haemoglobin**

Marco Ranucci (San Donato Milanese, Italy)

---

**Perioperative iron treatment of the elderly**

Patrick Meybohm (Frankfurt, Germany)

---



## PERIOPERATIVE MEDICINE

### Learning Track 13

**L** 13LA  
Lecture

#### Can we and should we treat "Troponitis" after surgery? The latest news and the newest evidence

**Chair:**  
Wolfgang Burhe (Utrecht, Netherlands)

**Speaker:**  
Daniel Sessler (Cleveland, United States)

**D** 13DA  
Pro & Con Debate

#### A doctor should have a right to conscientious objection: Pro-Con

**Chair:**  
László Zubek (Budapest, Hungary)

**Pro**  
Mary Neal (Glasgow, United Kingdom)

**Con**  
Dominic Wilkinson (Oxford, United Kingdom)

**S** 13SA  
Symposium

#### The silicon takeover

**Chair:**  
Thomas Scheeren (Groningen, Netherlands)

**We are not yet obsolete - what we can learn from the failure of the first robotic anaesthesiologist**  
Oliver Kimberger (Vienna, Austria)

**How automatic, realtime systems can support clinical decision-making**  
Alexandre Joosten (Bruxelles, Belgium)

**The future of hemodynamic monitoring**  
Frédéric Michard (Nyon, Switzerland)

**S** 13SB  
Symposium

#### Readmission to intensive care unit: strategies to avoid it

**Chair:**  
Sharon Einav (Jerusalem, Israel)

**Failure to rescue and main reasons for readmission**  
Rupert Pearse (London, United Kingdom)

**Preemptive postoperative visit**  
Wolfgang Buhre (Maastricht, Netherlands)



**Critical care outreach and medical emergency teams**  
Jens-Christian Schewe (Bonn, Germany)

---

S 13SC  
Symposium

## Precision/individualised medicine in anaesthesia

---

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

---

**Pitfalls in precision medicine research**  
Munir Pirmohamed (Liverpool, United Kingdom)

---

**Pharmacogenetics: clinical relevance in anaesthesiology**  
Christian Zöllner (Hamburg, Germany)

---

**Personalized drug dosage**  
Goeffrey Tucker (Sheffield, United Kingdom)

---

S 13SD  
Symposium

## Religion and spirituality in medicine

---

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

---

**Consent and surgery in Jehovahs Witnesses**  
Catherine Brydon (Glasgow, United Kingdom)

---

**Futility and end of life care in multicultural societies**  
Sadek Beloucif (Bobigny, France)

---

**Is there a place for religion and spirituality in medicine?**  
Robert Klitzman (New York, United States)

---



## PATIENT SAFETY

### Learning Track 14

L

14LA  
Lecture

#### Following up the Helsinki Declaration on patient safety in anaesthesiology - project update

**Chair:**

Johannes Wacker (Zürich, Switzerland)

**Following up the Helsinki Declaration on patient safety in anaesthesiology - project update**

Jannicke Mellin-Olsen (Haslum, Norway)

L

14LB  
Lecture

#### The Anesthesia Patient Safety Foundation (APSF)'s current perspective on perioperative medication safety

**Chair:**

Johannes Wacker (Zürich, Switzerland)

**The APSF's current perspective on perioperative medication safety**

Mark A. Warner (Rochester, United States)

L

14LC  
Lecture

#### Intraoperative hypotension - just a monitoring challenge or a real safety threat?

**Chair:**

Daniel Arnal (Alcorcon, Spain)

**Speaker:**

Adrian Gelb (San Francisco, United States)

S

14SA  
Symposium

#### Technology for patient safety and sedation

**Chair:**

Oliver Kimberger (Vienna, Austria)

**How to monitor the sedated non-intubated patient?**

Timothy Walsh (Edinburgh, United Kingdom)

**Technology for inhaled agent sedation in the intensive care unit**

Andreas R. Meiser (Bochum, Germany)

**How could technology measure and improve patient safety beyond the operating room?**

Frédéric Michard (Nyon, Switzerland)



S 14SB  
Symposium

## Perioperative patient safety - the patient's perspective

**Chair:**

Jannicke Mellin-Olsen (Haslum, Norway)

**Being safe - through the patient's eyes**

**Being safe - through the eyes of a physician that became a patient**

Paul Barach (Detroit, United States)

**Being safe - the importance of outcomes that matter to patients**

Johannes Wacker (Zürich, Switzerland)

S 14SC  
Symposium

## Improving patient safety at the hospital level

**Chair:**

Johannes Wacker (Zürich, Switzerland)

**Safety strategies to decrease "failure to rescue" rates**

Andreas Hoeft (Bonn, Germany)

**A 'sixth sense' for safety - is experienced staff needed to detect early warning signs?**

Andrew Fairley Smith (Lancaster, United Kingdom)

**"Resilience" and "safety II" - pure theory or practical tool for improving patient outcomes?**

Sven E. A. Staender (Mannedorf, Switzerland)

S 14SD  
Symposium

## Safety improvement through better communication

**Chair:**

Filippo Bressan (Prato, Italy)

**Mind the words - unintended effects of nocebo talk**

Ernil Hansen (Regensburg, Germany)

**The "Four Good Habits Model" - fostering empathy in teamwork and communication**

Jannicke Mellin-Olsen (Haslum, Norway)

**Can better handover communication improve perioperative patient outcomes?**

Tanja Manser (Bonn, Germany)





## GERIATRIC ANAESTHESIOLOGY

### Learning Track 15

L

15LA  
Lecture

#### Super-elderly: outcome and perioperative management

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

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

S

15SA  
Symposium

#### Postoperative cognitive dysfunction (POCD) and delirium in the elderly patient

**Chair:**  
Ulf Guenther (Oldenburg, Germany)

**Consensus nomenclature in postoperative cognitive dysfunction**  
Lis Evered (Fitzroy, Australia)

**Regional or general anaesthesia in patients at risk for POCD**  
Jose Aguirre (Zürich, Switzerland)

**Early postoperative delirium in the elderly patient**  
Claudia Spies (Berlin, Germany)

S

15SB  
Symposium

#### Pain management in the elderly patient

**Chair:**  
Jacob Steinmetz (Copenhagen, Denmark)

**Pain management in frail patients**  
Dominique Fletcher (Garches, France)

**Pain services and palliative medicine - an integrated approach to pain management**  
Tony O'Brien (Cork, Ireland)

**Pain control for the ambulatory elderly**  
Peter John Lee (Cork, Ireland)

S

15SC  
Symposium

#### Challenges in geriatric anaesthesiology

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

**Risk prediction for the elderly undergoing surgery**  
Idit Matot (Tel Aviv, Israel)



**Interventions to prepare the elderly patient for surgery**

Jugdeep Dhesi (London, United Kingdom)

---

**How to handle hip fracture patients with complexities (clopidogrel, myocardial infarction, pulmonary embolism or stroke)**

Stuart White (Brighton, United Kingdom)

---

S

15SD  
Symposium

**Challenges in the perioperative management: dementia and Alzheimer disease**

---

**Chair:**

Mark Coburn (Aachen, Germany)

---

**Anaesthesia, surgery and Alzheimer disease**

Roderic G. Eckenhoff (Philadelphia, United States)

---

**How do we provide best care for patients with dementia in the perioperative period?**

Lis Evered (Fitzroy, Australia)

---

**Patient consent and "best interests"- obstacles in treatment and end of life care in patients with dementia**

Mary Neal (Glasgow, United Kingdom)

---



## EDUCATION

### Learning Track 16

RC

16RCA  
Refresher Course

### Teaching anaesthesia non-technical skills

**Chair:**

Vojislava Neskovic (Belgrade, Serbia)

**Speaker:**

Rhona Flin (Aberdeen, United Kingdom)

L

16LA  
Lecture

### Hot topics in simulation in anaesthesiology

**Chair:**

Robert Greif (Bern, Switzerland)

**Speaker:**

Karl Schebesta (Vienna, Austria)

L

16LB  
Lecture

### To a new systemic method for Basic Procedural Skills (BPS) training and qualification

**Chair:**

Andreas Sandner-Kiesling (Graz, Austria)

**To a new systemic method for BPS training and qualification**

Alain d'Hollander (Geneva, Switzerland)

S

16SA  
Symposium

### Challenges in anaesthesia education

**Chair:**

Robert Greif (Bern, Switzerland)

**Teaching the millennials - the new generation of residents requires new teaching methods**

Gordana Jovanovic (Novi Sad, Serbia)

**Teaching when time is short at the anaesthesia workplace**

Andrew Fairley Smith (Lancaster, United Kingdom)

**Lifelong learning in anaesthesiology**

Janusz Andres (Kraków, Poland)



S

16SB  
Symposium

## CEEA (Committee for European Education in Anaesthesiology ) courses as a best educational tool – improve your clinical practice

---

**Chair:**

Janusz Andres (Kraków, Poland)

---

**What is the recipe for making an attractive CEEA centre?**

Stefan De Hert (Gent, Belgium)

---

**How can teaching lead to questions about improvement in my clinical practice?**

Charles Marc Samama (Paris, France)

---

**CEEA courses as a starter to modify my clinical practice: a myth or reality?**

Gilles Lebuffe (Lille, France)

---



## ESA SESSIONS

L

ESALA  
Lecture

### Sir Robert Macintosh Lecture

**Chair:**

Stefan De Hert (Gent, Belgium)

**Anaesthesia in the 21st century - from the IV doctor to the intensivist-anaesthesiologist**

Claude Martin (Marseille, France)

L

ESALB  
Lecture

### Hot Topics in Anaesthesiology - Last 12 months' top publications

**Chair:**

Charles Marc Samama (Paris, France)

**Speaker:**

Andreas Hoeft (Bonn, Germany)

L

ESALC  
Lecture

### Hot Topics in Intensive Care Medicine - Last 12 months' top publications

**Chair:**

Cesare Gregoretti (Palermo, Italy)

**Speaker:**

Fabio Taccone (Brussels, Belgium)

L

ESALD  
Lecture

### Hot Topics in Pain Medicine - Last 12 months' top publications

**Chair:**

Esther M. Pogatzki-Zahn (Münster, Germany)

**Acute Pain**

Marco Abraham Marcus (Doha, Qatar)

**Chronic Pain**

Marc René Suter (Lausanne, Switzerland)

L

ESALE  
Lecture

### Hot Topics in Critical Emergency Medicine - Last 12 months' top publications

**Chair:**

Lorenz Gregor Theiler (Bern, Switzerland)

**Speaker:**

Stephen Sollid (Stavanger, Norway)



S ESASA  
Symposium

## ESA Trainee Network: networking with the experts on emergency medicine Symposium organised by the ESA Trainee Committee



**Chair:**  
Andreas Sandner-Kiesling (Graz, Austria)

**The current ultrasound protocols in emergency medicine and critical care**  
Nils Petter Oveland (Stavanger, Norway)

**European Resuscitation Council (ERC) Guidelines for traumatic cardiac arrest: why was the approach changed?**  
Anatolij Truhlar (Prague, Czech Republic)

**Pre-hospital emergency medicine: the golden hour - decisions to improve patient outcome**  
Jochen Hinkelbein (Köln, Germany)

S ESASB  
Symposium

## ESA Trainee Network: "Trainees for Trainees" on emergency medicine Symposium organised by the ESA Trainee Committee



**Chair:**  
Andreas Sandner-Kiesling (Graz, Austria)

**Emergency care in areas of chronic disaster**  
Nazariy Beley (Kyiv, Ukraine)

**Strategies for emergency care worldwide**  
Rune Sort (Herlev, Denmark)

**How to improve my preparation to deal with emergency situations? A challenge on its own**  
Eoin Kelleher (Dublin, Ireland)

S ESASC  
Symposium

## The so called big data research journey Symposium organised by the ESA Research Committee

**Chair:**  
Donal J. Buggy (Dublin, Ireland)

**How to create a big outcome database**  
Sachin Kheterpal (Ann Arbor, United States)

**Results from research with routine data, examples from Europe**  
Wolfgang Buhre (Maastricht, Netherlands)

**The National Audit Project (NAP), a different type of big data research**  
Timothy M. Cook (Bath, United Kingdom)

**Clinical research, challenges and opportunities: the ANZCA (Australian and New Zealand College of Anaesthetists) experience**  
Paul Myles (, Australia)

S ESASD  
Symposium

## What ESA offers for young researchers Symposium organised by the ESA Research Committee

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



**Introduction to what ESA has to offer for young researchers**

Wolfgang Buhre (Maastricht, Netherlands)

---

**The Mentorship Programme**

Claude Meistelman (Vandoeuvre, France)

---

**ESA Research Masterclasses**

Alexander Zarbock (Münster, Germany)

---

S

ESASE  
Symposium

**Why still here? Optimising the fast-track patient course**

**Symposium organised by the National Organising Committee (NOC)**

---

**Chair:**

Ann Merete Møller (Herlev, Denmark)

---

**Why still in the hospital?**

Henrik Kehlet (Copenhagen, Denmark)

---

**Why still in the Post-Anaesthesia Care Unit (PACU)?**

Eske Aasvang (Copenhagen, Denmark)

---

**Perspectives in fast-track surgery**

Henrik Kehlet (Copenhagen, Denmark)

Eske Aasvang (Copenhagen, Denmark)

---

S

ESASF  
Symposium

**Improving critical care through trials**

**Symposium organised by the National Organising Committee (NOC)**

---

**Chair:**

Kirsten Møller (Copenhagen, Denmark)

---

**Sedation and anti-psychotics in intensive care unit patients**

Palle Toft (Odense, Denmark)

Lone Musaeus Poulsen (Koege, Denmark)

---

**Oxygenation targets in hypoxia and target temperature management in cardiac arrest**

Hans Kirkegaard (Aarhus, Denmark)

---

**Fluid volumes in septic shock**

Anders Perner (Copenhagen, Denmark)

---

S

ESASG  
Symposium

**Continuous Professional Development (CPD) or Continuous Medical Education (CME)**

**Symposium organised by the National Anaesthesiologists Societies Committee (NASC)**

---

**Chairs:**

Dan Longrois (Paris, France)

Andreas Sandner-Kiesling (Graz, Austria)

Stefan De Hert (Gent, Belgium)

---

**CPD in anaesthesiology - the European perspective**

Carmel Abela (Msida, Malta)

---



---

**CPD in anaesthesiology in the United States**

Beverly K. Philip (Boston, United States)

---

**Are information technologies and artificial intelligence going to change CPD?**

Stefan Schulz (Graz, Austria)

---

**Perspectives and interactions with the Education and Training Committee for the next few years**

---

S

ESASH  
Symposium

**What's new in the latest ESA guidelines**

**Symposium organised by the ESA Guidelines Committee**

---

**Chair:**

Edoardo De Robertis (Napoli, Italy)

---

**Take home messages from the "Procedural Sedation" guideline**

Edoardo De Robertis (Napoli, Italy)

---

**Take home messages from the "Venous Thromboembolism Prophylaxis" guideline**

Charles Marc Samama (Paris, France)

---

**Take home messages from the "Perioperative Ultrasound Guided Procedures" guideline**

Massimo Lamperti (Abu Dhabi, United Arab Emirates)

---

**Take home messages from the "Preoperative Evaluation" guideline**

Stefan De Hert (Gent, Belgium)

---

PC

YTRA  
Prize Competition

**Young Teaching Recognition Award**

---

**Chairs:**

Dan Longrois (Paris, France)

Andreas Sandner-Kiesling (Graz, Austria)

Diogo Sobreira Fernandes (Porto, Portugal)

---

PC

BAPC  
Prize Competition

**Best Abstract Prize Competition (BAPC)**

---

**Chair:**

Charles Marc Samama (Paris, France)

---





## GUEST SESSIONS

S

GUESTSA  
Symposium

### Perioperative fluid, sepsis and antibiotics management

Symposium organised by the World Federation of Societies of Anaesthesiologists (WFSA)



**Chair:**

Davy Cheng (London, Canada)

**The optimal perioperative fluid management: crystalloids or colloids?**

Flavio Veintemilla (Guayaquil, Ecuador)

**Early goal-directed therapy in ICU sepsis**

Claude Martin (Marseille, France)

**The right antibiotic treatment in patients with severe infection: dose, route, and duration?**

Janet Martin (London, Canada)

S

GUESTSB  
Symposium

### Education and welfare

Symposium organised by the European Board of Anaesthesiology (EBA/UEMS)



**Chair:**

Brian Kinirons (Galway, Ireland)

**Welfare Mentorship Programme**

Daniel Farrugia (Msida, Malta)

**Managing the underperforming trainee**

Hartmut Bürkle (Freiburg, Germany)

**Stress and the anaesthetist**

Miodrag Milenovic (Belgrade, Serbia)

**Aging and the anaesthetist**

Paul Clyburn (Cardiff, United Kingdom)

S

GUESTSC  
Symposium

### Fluid management in abdominal emergencies

Symposium organised by the World Society of the Abdominal Compartment Syndrome (WSACS)



**Chair:**

Michael Sugrue (Donegal, Ireland)

**Introduction: Surgeon-anaesthetist-intensivist crosstalk in abdominal emergencies**

Manu Malbrain (Antwerpen, Belgium)



**Damage-control vs. definitive surgery: how to reach the right decision**

Bruno Pereira (Campinas, Brazil)

**Fluid resuscitation and deresuscitation in abdominal emergencies**

Manu Malbrain (Antwerpen, Belgium)

**How to assess and optimise macro- and microcirculation in splanchnic region**

Joel Starkopf (Tartu, Estonia)

**Pathophysiological mechanisms and consequences of gut oedema**

Annika Reintam Blaser (Tartu, Estonia)

S

GUESTSD  
Symposium

**Perioperative echocardiography and clinical outcomes**

**Symposium organised by the Brazilian Society of Anesthesiology (SBA)**



Sociedade Brasileira  
de Anestesiologia

**Chair:**

Marcello Fonseca Salgado Filho (Juiz de Fora, Brazil)

**Perioperative echocardiography and clinical outcomes in non-cardiac surgery**

Marcello Fonseca Salgado Filho (Juiz de Fora, Brazil)

**Transesophageal echocardiography (TEE) predicting complications in cardiac surgery**

Eric Benedet Lineburger (Criciúma, Brazil)

**Interventional echocardiography: key points and outcomes**

Fábio Papa (São Paulo, Brazil)

S

GUESTSE  
Symposium

**What is different in the management of morbidly obese patients in the intensive care unit?**

**Symposium organised by the European Society for Perioperative Care of the Obese Patient (ESPCOP)**



**Chair:**

Jean-Louis Vincent (Brussels, Belgium)

**Dosing of antibiotics, heparins and vasoactive drugs in the morbidly obese patients**

Luc De Baerdemaeker (Gent, Belgium)

**Hemodynamic monitoring of the obese in the intensive care unit**

Olivier Langeron (Paris, France)

**Renal replacement therapy in the obese**

Daniela Godoroja (Bucharest, Romania)

S

GUESTSF  
Symposium

**Preeclampsia: management and outcomes in mothers and offspring**

**Symposium organised by the American Society of Anesthesiologists (ASA)**



**Chair:**

Sulpicio G. Soriano (Boston, United States)

**Diagnosis and anaesthetic management of preeclampsia**

Joy Hawkins (Aurora, United States)

**Long-term cardiovascular effects of preeclampsia on the mother and her offspring**

David Wlody (Brooklyn, United States)



**Neurodevelopment outcomes in the offspring of preeclamptic mothers**  
Sulpicio G. Soriano (Boston, United States)

---

**S** GUESTSG  
Symposium

**Perioperative care and outcomes after anaesthesia: can we do better?**  
Symposium organised by the New York State Society of Anesthesiologists (NYSSA)

---



**Chair:**  
Audree Bendo (Brooklyn, United States)

---

**Perioperative care and the opioid abuse epidemic: the U.S. experience and lessons learned**  
Richard A. Beers (Syracuse, United States)

---

**The elderly patient: avoiding central nervous system complications and improving brain health**  
Audree Bendo (Brooklyn, United States)

---

**Enhanced recovery after surgery (ERAS) protocols for orthopedic surgery and the trend to ambulatory surgery**  
Meg Rosenblatt (New York, United States)

---

**S** GUESTSH  
Symposium

**The ultrasound guided paediatric anaesthetic intervention**  
Symposium organised by the Society for Ultrasound in Anaesthesia (SUA)

---



**Chair:**  
Ekta Rai (Vellore, India)  
Rishi Diwan (Liverpool, United Kingdom)

---

**Paravertebral ultrasound guided block in paediatric anaesthesia**  
Nicole Almenrader (Rome, Italy)

---

**Ultrasound guided trunk blocks in children: what are the benefits?**  
Alberto Benigni (Bergamo, Italy)

---

**Ultrasound guided paediatric lower extremity blocks**  
Tarun Bhalla (Columbus, United States)

---

**Difficult vascular accesses in paediatric population undergoing organ transplantation: how and where looking by ultrasound?**  
Viviana Prussiani (Bergamo, Italy)

---