## Colloids are necessary for intraoperative fluid management: Pro-Con

**Chair:**
Thomas Fuchs-Buder* (Nancy, France)

**Pro**
Thomas Scheeren* (Groningen, Netherlands)

**Con**
Thorsten Haas* (Zürich, Switzerland)

## WHO-recommendation for 80% oxygen – consigned to history? Pro-Con

**Chair:**
Tony Gin (Hong Kong, China)

**Pro**
Markus W. Hollmann (Amsterdam, Netherlands)

**Con**
Marc Moritz Berger (Salzburg, Austria)

## Sugammadex should be the first line reversal agent: Pro-Con

**Chair:**
Thomas Fuchs-Buder* (Nancy, France)

**Pro**
Hans Donald De Boer* (Groningen, Netherlands)

**Con**
Radmilo Jankovic (Nis, Serbia)
01LA Lecture

Perioperative blood pressure management: what is the optimal blood pressure?

Chair:
Thomas Scheeren* (Groningen, Netherlands)

Speaker:
Bernd Saugel* (Hamburg, Germany)

01LB Lecture

Closed loop anaesthesia: how close to prime time is it?

Chair:
Michel Struys* (Groningen, Netherlands)

Speaker:
Ngai Liu* (Paris, France)

01LC Lecture

Update on mechanisms of general anaesthesia

Chair:
Hugh Hemmings* (New York, United States)

Speaker:
Nicholas Franks (London, United Kingdom)

01LD Lecture

Inhaled agents, carrier gases and the environment

Chair:
Jan Hendrickx* (Aalst, Belgium)

Speaker:
Ole John Nielsen (Copenhagen, Denmark)

01LE Lecture

History of self-experiments in anaesthesia

Chair:
Alistair McKenzie (Edinburgh, United Kingdom)

Speaker:
Fernando Gilsanz (Madrid, Spain)
**Lecture**

**Hot Topics in Anaesthesiology - Last 12 months’ top publications**

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

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

---

**Meet the Expert**

**Prevention and treatment of high-altitude diseases**

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

**Speaker:**
Dan Martin* (London, United Kingdom)

---

**Refresher Course**

**Cannabis: more than a recently legalised party drug?**

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

**Speaker:**
Hanns Ulrich Zeilhofer (Zürich, Switzerland)

---

**Refresher Course**

**Fluids, blood and oxygen: friends or foes?**

**Chair:**
Bernd Saugel* (Hamburg, Germany)

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

---

**Symposium 60’**

**From big data via machine learning to predictive modelling**

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

**Big data - Big evidence?**
Steven L. Shafer (Stanford, United States)

**Predicting hypotension**
Thomas Scheeren* (Groningen, Netherlands)

**Predicting hypothermia**
Oliver Kimberger (Vienna, Austria)
Digital health: when computers supervise

Chair:
Anthony Absalom* (Groningen, Netherlands)

Closed loops, advisory displays and artificial intelligence in anaesthesia: ready for prime time?
Michel Struys* (Groningen, Netherlands)

Integration of wearable health sensor information to provide pre- and postoperative information
Frédéric Michard* (Lausanne, Switzerland)

Closed-loop assisted fluid administration: is it feasible and safe?
Alexandre Joosten (Brussels, Belgium)

Anaesthesia as a cancer disease modifier

Chair:
Anthony Absalom* (Groningen, Netherlands)

Opiates, regional anaesthesia and cancer recurrence
Daniela Ionescu* (Cluj-Napoca, Romania)

Total intravenous anaesthesia (TIVA), volatiles and cancer recurrence
Timothy Wigmore (London, United Kingdom)

Should we change our practice?
William Harrop-Griffiths (London, United Kingdom)

Evidence of the impact of anaesthesia and surgery on the human brain

Chair:
Lis Evered (Fitzroy, Australia)

The human brain after surgery: central nervous system (CNS) immune activation and long-term cognitive changes
Lars I Eriksson (Stockholm, Sweden)

Neurological sequelae of anaesthesia and surgery: equivalent to traumatic brain injury?
Lis Evered (Fitzroy, Australia)

The new nomenclature for perioperative cognitive disorders: the first 18 months of use in the literature
Roderic G. Eckenhoff (Philadelphia, United States)
### Pharmacology in special patient populations

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

- **Pregnant women**
  Tony Gin (Hong Kong, China)

- **Paediatric patients**
  Karin Becke (Nuremberg, Germany)

- **Elderly patients**
  Mark Coburn (Aachen, Germany)

### Goal versus guideline-directed cardiopulmonary resuscitation (CPR)

**Chair:**
Konstantinos Stroumpoulis* (Athens, Greece)

- **Objective monitoring of blood flow and CPR performance**
  Fritz Sterz (Vienna, Austria)

- **Use of ultrasound and capnography to guide optimal CPR**
  Per-Olav Stefferud Berve (Oslo, Norway)

- **Do we need a different algorithm for CPR with devices?**
  Lars Wik* (Oslo, Norway)

### Adverse long-term effects of general anaesthesia

**Symposium organised in collaboration with the British Journal of Anaesthesia (BJA)**

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

- **Developmental neurotoxicity**
  Hugh Hemmings* (New York, United States)

- **Delirium, postoperative cognitive dysfunction (POCD) and neurodegeneration**
  Robert David Sanders (London, United Kingdom)

- **Cancer metastasis and survival**
  Donal J. Buggy (Dublin, Ireland)
Malignant hyperthermia (MH) outside the operating theatre
Symposium organised in collaboration with the European Malignant Hyperthermia Group (EMHG)

Chair:
Philip Hopkins (Leeds, United Kingdom)

MH induced by physical stress
Marc Snoeck (Nijmegen, Netherlands)

MH in ICU patients
Henrik Rueffert (Schkeuditz, Germany)

Preparation of patient and workstation prior anaesthesia
Sebastian Heiderich (Hannover, Germany)
AMBULATORY ANAESTHESIA
Learning Track 2

02DA  Pro & Con Debate

Neuromuscular blockade and opioids in ambulatory anaesthesia: Pro-Con

Chair:
Tatjana Simurina (Zadar, Croatia)

Pro
Slavica Kvolik (Osijek, Croatia)

Con
Boris Mraovic* (Philadelphia, United States)

02LA  Lecture

Litigation and complaints associated with ambulatory anaesthesia

Chair:
Mark Skues (Chester, United Kingdom)

Speaker:
Annabel Pearson (Bath, United Kingdom)

02RCA  Refresher Course

Ambulatory anaesthesia: the state of the art

Chair:
Mark Skues (Chester, United Kingdom)

Speaker:
Ian Smith (Stoke-on-Trent, United Kingdom)
**Diabetes mellitus in the ambulatory setting**

**Chair:**
Tatjana Simurina (Zadar, Croatia)

**Considerations for the diabetic patient in the ambulatory setting**
Anna Lipp (Norwich, United Kingdom)

**Loco-regional anaesthesia and diabetic neuropathy**
Philipp Lirk (Boston, United States)

**New drugs for diabetes in the perioperative setting**
Jeroen Hermanides (Amsterdam, Netherlands)

---

**Perioperative management of antithrombotic therapy in ambulatory anaesthesia**

**Chair:**
Jeroen Hermanides (Amsterdam, Netherlands)

**Does my patient need bridging therapy?**
Tomislav Ruzman (Galway, Ireland)

**Use of new oral anticoagulants with regional anaesthesia**
Anne Godier* (Paris, France)

**Antithrombotic therapy for eye surgery: new approaches**
Tatjana Simurina (Zadar, Croatia)
Adjuncts or catheters to prolong single-shot injections of local anaesthetics?

Chair: Matthias Desmet (Kortrijk, Belgium)

Adjuncts
Eric Albrecht* (Lausanne, Switzerland)

Catheters
Amit Pawa (London, United Kingdom)

Regional anaesthesia should be performed routinely in patients undergoing orthopaedic surgery: Pro-Con

Chair: Amit Pawa (London, United Kingdom)

Pro
Eric Albrecht* (Lausanne, Switzerland)

Con
Jose Romero (Zürich, Switzerland)

Fascia plane blocks – Old techniques, new perspectives

Chair: Eric Albrecht* (Lausanne, Switzerland)

Speaker: Amit Pawa (London, United Kingdom)
**Game changers - Recent papers in regional anaesthesia that changed my practice**

**Chair:**
Philipp Lirk (Boston, United States)

**Ultrasound-guided techniques for peripheral nerve block**
Matthias Desmet (Kortrijk, Belgium)

**Peripheral nerve blocks to improve postoperative recovery**
Morne Wolmarans (Norwich, United Kingdom)

**Regional anaesthesia: secret recipes from experts**

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

**Which local anaesthetics for which block?**
Philipp Lirk (Boston, United States)

**Tips and tricks to maintain perineural catheters and avoid complications**
Amit Pawa (London, United Kingdom)

**Local anaesthetic prescription for postoperative continuous infusion**
Alan Macfarlane (Glasgow, United Kingdom)

**Regional anaesthesia in patients with specific issues**

**Chair:**
Luc Sermeus* (Edegem, Belgium)

**Peripheral nerve block in anticoagulated patients**
Brian Kinirons (Galway, Ireland)

**Peripheral nerve block in patients with pre-existing neuropathy**
Gabriella Iohom (Cork, Ireland)

**Peripheral nerve block in patients unable to provide consent**
Morne Wolmarans (Norwich, United Kingdom)
Regional anaesthesia for ambulatory surgery

Chair:
Gabriella Iohom (Cork, Ireland)

Shoulder arthroscopic surgery
Morne Wolmarans (Norwich, United Kingdom)

Anterior cruciate ligament reconstruction
Pia Jæger (Copenhagen, Denmark)

Foot surgery
Luc Sermeus* (Edegem, Belgium)

Regional anaesthesia: past, present, future

Chair:
Peter Marhofer (Vienna, Austria)

Regional anaesthesia: past
Peter Marhofer (Vienna, Austria)

Regional anaesthesia: present
Lukas Kirchmair (Schwaz, Austria)

Regional anaesthesia: future
Gerhard Fritsch (Vienna, Austria)
Hot Topics in Obstetric Analgesia and Anaesthesia - Last 12 months' top publications

Chair: Carolyn Weiniger (Tel Aviv, Israel)
Speaker: Dominique Chassard (Bron, France)

Programmed intermittent epidural boluses (PIEB) combined with patient-controlled epidural analgesia (PCEA) mode for maintenance of labour analgesia

Chair: Nuala Lucas (London, United Kingdom)
Speaker: Ronald B. George (Halifax, Canada)

Tips and tricks in obstetric anaesthesia, analgesia and resuscitation

Chair: Marc Van de Velde (Leuven, Belgium)

Avoiding hypotension during C-section under neuraxial anaesthesia
Mike Kinsella (Bristol, United Kingdom)

Timing of initiation of neuraxial analgesia and impact on progress of labour
Michela Camorcia (Rome, Italy)

Use of cardiac and lung ultrasound for obstetric emergencies
Clemens Ortner (Stanford CA, United States)

Bleeding management in obstetric haemorrhage
Anne-Sophie Bouthors (Lille, France)
Dural puncture epidural (DPE), combined spinal epidural (CSE) or epidural alone for labour?

Chair:
Frédéric Mercier (Clamart, France)

Epidural alone?
Emilia Guasch (Madrid, Spain)

Combined spinal epidural (CSE)?
Marc Van de Velde (Leuven, Belgium)

Dural puncture epidural (DPE)?
Lawrence Tsen (Boston, United States)

Preeclampsia – What’s new?

Chair:
Frédéric Mercier (Clamart, France)

Obstetric management
Vassilis Tsatsaris (Paris, France)

Anaesthetic and resuscitation management
Clemens Ortner (Stanford CA, United States)
L05LA Lecture

From acute to chronic pain in children

Chair:
Laszlo Vutskits (Geneva, Switzerland)

Speaker:
Suellen Walker (London, United Kingdom)

S60 05SA Symposium 60'

The paediatric airway

Chair:
Walid Habre (Geneva, Switzerland)

Oxygen in paediatric anaesthesia: how to use it?
Thomas Riva (Bern, Switzerland)

The paediatric difficult airway: what to avoid?
Thomas Engelhardt (Aberdeen, United Kingdom)

Postoperative respiratory adverse events: prevention and treatment
Britta Von Ungern-Sternberg (Subiaco, Australia)

S60 05SB Symposium 60'

Best practice for blood management in children

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

Chair:
Nicola Disma (Genoa, Italy)

Update on patient blood management (PBM) research in children for non-cardiac surgery
Susan Goobie (Boston, United States)

Update on PBM guidelines in children for cardiac surgery
David Faraoni (Toronto, Canada)

Diagnosing coagulopathy in children using thromboelastometry
James O’ Leary (Cork, Ireland)

S60 05SC Symposium 60'

Controversies in paediatric anaesthesia
Chair:
Laszlo Vutskits (Geneva, Switzerland)

Approach to adolescents: what changes?
Tom Giedsing Hansen (Odense, Denmark)

Anaesthesia for the obese child
Ignacio Galvez Escalera (Palma de Mallorca, Spain)

The new statement of preoperative fasting: is that all we need?
Peter Gunnar Mikael Frykholm (Uppsala, Sweden)

---

ESD Trainee Network: networking with the experts in paediatric anaesthesiology
Symposium organised by the ESA Trainees Committee

Chair:
Nicola Disma (Genoa, Italy)

Emergencies in paediatric anaesthesia
Karin Becke (Nuremberg, Germany)

Paediatric regional anaesthesia: tips and tricks
Maria Vittinghoff (Graz, Austria)

Managing the critically ill child in the non-tertiary hospital
John Rutherford (Dumfries, United Kingdom)
**Hot Topics in Neuroanaesthesia - Last 12 months' top publications**

**Chair:**
Alexander Zlotnik (Beer-Sheva, Israel)

**Speaker:**
Martin Söhle (Bonn, Germany)

---

**A practical approach to TBI in the ICU**

Session organised by the Trainee Committee

**Chair:**
Diogo Sobreira Fernandes (Porto, Portugal)
Matija Majic (Zagreb, Croatia)

**Speaker:**
Aeyal Raz* (Madison, United States)

---

**Anaesthesia for invasive brain radiology**

**Chair:**
Martin Söhle (Bonn, Germany)

**General anaesthesia vs. local anaesthesia with conscious sedation: does it really matter?**
Alexander Zlotnik (Beer-Sheva, Israel)

**Intraprocedural non-invasive brain monitoring**
Chiara Robba (Genoa, Italy)

**The radiologist’s point of view: basics of the procedure and expectation of the anaesthesiologist**
Jordi Blasco (Barcelona, Spain)
# Critical conditions in neuroanaesthesia: how do we face them?

**Chair:**
Alexander Zlotnik (Beer-Sheva, Israel)

**Management of intraoperative swelling in brain surgery**
Alexander Kulikov (Moscow, Russia)

**Airway management in patient with unstable cervical spine**
Maria Cristina Honorato (Pamplona, Spain)

**A current approach to prevention and treatment of venous air embolism**
Werner Klingler (Sigmaringen, Germany)

**Cerebral bleeding and new anticoagulants**
Dana Baron Shahaf (Haifa, Israel)
Trans-catheter aortic valve insertion (TAVI) in 2019: an update

Chair:
Bernard Cholley* (Paris, France)

Speaker:
Benedikt Preckel* (Amsterdam, Netherlands)

Extracorporeal membrane oxygenation (ECMO): indications, techniques and limitations

Chair:
Christian Putensen (Bonn, Germany)

Speaker:
Bernard Cholley* (Paris, France)

Cardio-circulatory stabilisation of the hypovolemic patient: the endless story

Chair:
Bernard Cholley* (Paris, France)

Speaker:
Jean-Louis Teboul (Le Kremlin-Bicêtre, France)

Haemodynamic goal-directed therapy: are closed-loop systems the future? Young Teaching Recognition Award winner 2018

Chair:
Jean-Luc Fellahi (Lyon, France)

Speaker:
Sean Coeckelenbergh (Brussels, Belgium)

Blood pressure: new perspectives on an old issue
Chair: Jilles Bijker (Ede, Netherlands)

Guidelines for the community management of hypertension and their implications for perioperative care
Simon Howell (Leeds, United Kingdom)

The risks of intraoperative hypotension
Jilles Bijker (Ede, Netherlands)

Use of phenylephrine in the operating room: could it be more harmful than helpful?
Jean-Luc Fellahi (Lyon, France)

---

Levosimendan in 2019: who are the appropriate patients?

Chair: Patrick Wouters (Gent, Belgium)

Are isolated coronary artery bypass grafting (CABG) patients with poor left ventricular ejection fraction (LVEF) a good target for prophylactic levosimendan prior to surgery?
Matthias Heringlake* (Kiel, Germany)

Are some septic patients likely to benefit from levosimendan?
Anthony Gordon (London, United Kingdom)

The less common situations in which levosimendan is the prime choice
Bernard Cholley* (Paris, France)

---

Improving postoperative monitoring on the ward for the cardiac risk patient

Chair: Bernd Saugel* (Hamburg, Germany)

Effects of postoperative visits by anaesthesiologists - outcome and economics
Wolfgang Buhre* (Maastricht, Netherlands)

Which vital parameters to be monitored on the postsurgical ward?
Cornelis Kalkman (Utrecht, Netherlands)

Does continuous wireless monitoring on the surgical ward improve outcome?
Benedikt Preckel* (Amsterdam, Netherlands)
Controversies in the perioperative management of the cardiac patient: 10 minutes to convince

Chair:
Philip J. Devereaux* (Hamilton, Canada)

Benefits and risks of betablockers
Pierre Foex (Oxford, United Kingdom)

Benefits and risks of alpha2-agonists
Patrice Forget (Brussels, Belgium)

Must I stop renin angiotensin system (RAS) inhibitors?
Pascal Colson (Montpellier, France)

Should I always maintain aspirin?
Anne Godier* (Paris, France)

Sevoflurane or propofol-based anaesthesia?
Giovanni Landoni* (Milan, Italy)

PACU/ICU or continuous monitoring in the ward?
Cornelis Kalkman (Utrecht, Netherlands)

Dexmedetomidine in anaesthesia and intensive care

Chair:
Jean-Luc Fellahi (Lyon, France)

How to use it for procedural sedation and analgesia?
Robert-Denham Fitzgerald (Vienna, Austria)

Its place in opioid free anaesthesia
Patrice Forget (Brussels, Belgium)

Advantages and pitfalls in cardiac ICU
Bernard Cholley* (Paris, France)

Challenges in cardiovascular anaesthesia

Chair:
Jean-Luc Fellahi (Lyon, France)

Acute cardiac failure with preserved left ventricular function
Etienne Gayat* (Paris, France)

Right ventricular failure: how to diagnose and how to treat it?
Patrick Wouters (Gent, Belgium)

How to manage patients with Heparin-Induced thrombocytopenia who require cardiac surgery?
Anne Godier* (Paris, France)
Neuromonitoring during cardiovascular anaesthesia

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

Chair:
Stefan De Hert (Gent, Belgium)
Fabio Guarracino (Pisa, Italy)

Depth of anesthesia monitoring
Mona Momeni* (Brussels, Belgium)

Is there a place for NIRS in tissue oxygenation monitoring?
Annelies Moerman (Gent, Belgium)

How to assess spinal ischemia
Paolo Zanatta (Treviso, Italy)

Discussion
Hot Topics in Pain Medicine: Last 12 months' top publications

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

Acute pain
Patricia Lavandhomme (Brussels, Belgium)

Chronic pain
Marc René Suter (Lausanne, Switzerland)

Evidence-based medicine guidelines for the management of low back pain

Chair:
Kris Vissers (Nijmegen, Netherlands)

Speaker:
Jan Van Zundert (Lanaken, Belgium)

Pain management in critically ill patients

Chair:
Jean-Pierre Estebe (Rennes, France)

Acute pain in the intensive care unit (ICU): management beyond the usual therapeutic strategies
Caterina Aurilio (Naples, Italy)

Chronic neuropathic pain in critically ill patients: diagnosis and management
Winfried Meissner (Jena, Germany)
Acute and chronic pain: the anaesthesiologist’s role...

Chair:
Marc René Suter (Lausanne, Switzerland)

... in managing and preventing pain after surgery
Esther M. Pogatzki-Zahn (Münster, Germany)

... in managing chronic pain
Patricia Lavandhomme (Brussels, Belgium)

... in palliative care
Kris Vissers (Nijmegen, Netherlands)

Omics and pain: where are we here?

Chair:
Winfried Meissner (Jena, Germany)

Genomics and pain
Bert Joosten (Maastricht, Netherlands)

Proteomics and pain
Esther M. Pogatzki-Zahn (Münster, Germany)
Assessing delirium in the intensive care unit

Chair:
Mark Coburn (Aachen, Germany)

Speaker:
Ulf Guenther* (Oldenburg, Germany)

Hot topics in intensive care medicine - Last 12 months' top publications

Chair:
Cesare Gregoretti* (Palermo, Italy)

Speaker
Davide Chiumello (Milan, Italy)

How to avoid predatory publishing in anaesthesia and critical care

Chair:
Paul McConnell (Paisley, United Kingdom)

How to avoid predatory publishing in anaesthesia and critical care?
Andrea Cortegiani (Palermo, Italy)

Ethics in publishing
Elie Azoulay (Paris, France)
A practical approach to trauma ICU patients
Session organised by the Trainee Committee

Chair:
Anne Blank (Berlin, Germany)
Matija Majic (Zagreb, Croatia)

Speaker:
Sharon Einav (Jerusalem, Israel)

Strategies to improve outcomes in critical care medicine

Chair:
Mikhail Y. Kirov* (Arkhangelsk, Russia)

Acute respiratory distress syndrome (ARDS)
Davide Chiumello (Milan, Italy)

Perioperative pulmonary complications
Samir Jaber* (Montpellier, France)

Delirium
Ulf Guenther* (Oldenburg, Germany)

Sepsis
Marc Leone* (Marseille, France)

Resuscitation in septic shock: is less better?

Chair:
Xavier Monnet (Paris, France)

Less fluids?
Gernot Marx* (Aachen, Germany)

Less vasopressors?
Claude Martin (Marseille, France)

Less inotropes?
Jean-Louis Vincent (Brussels, Belgium)
**Extracorporeal techniques in sepsis: is it worth the effort?**

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

**Continuous renal replacement techniques (CRRT)**
Alexander Zarbock* (Münster, Germany)

**Cytokine removal**
Zsolt Molnar* (Szeged, Hungary)

**Endotoxin removal**
Didier Payen (Paris, France)

---

**Palliative care in the intensive care unit (ICU)**

**Chair:**
Hartmut Bürkle (Freiburg, Germany)

**Assessment and management of symptoms in ICU**
Gerald Chanques* (Montpellier, France)

**Dealing with dying patients and their relatives**
Elie Azoulay (Paris, France)

**Withdrawal of life support in ICU**
Sebastiano Mercadante (Palermo, Italy)

---

**The future of ICU**

**Chair:**
Zsolt Molnar* (Szeged, Hungary)

**The era of precision medicine**
Jean-Louis Vincent (Brussels, Belgium)

**Typology of ICU patients in 2050**
Elie Azoulay (Paris, France)

**How will the extracorporeal membrane oxygenation (ECMO) story continue?**
Antonio Pesenti (Milan, Italy)
### Fluids and abdominal hypertension

Symposium organised by the Abdominal Compartment Society (WSACS) in collaboration with International Fluid Academy (IFA)

<table>
<thead>
<tr>
<th>Chair:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Manu Malbrain (Brussels, Belgium)</td>
</tr>
<tr>
<td>Xavier Monnet (Paris, France)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Fluids are drugs: it is time to consider the 4D's and 4 phases of fluid therapy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Manu Malbrain (Brussels, Belgium)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Have rationalized fluid resuscitation practices shifted the playing field in severe complicated intra-abdominal sepsis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Andrew W. Kirkpatrick (Calgary, Canada)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Assessing fluid responsiveness in abdominal hypertension</th>
</tr>
</thead>
<tbody>
<tr>
<td>Xavier Monnet (Paris, France)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Organ-organ interaction: fluids and the polycompartment syndrome</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zsolt Bodnar (Debrecen, Hungary)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Use of ultrasound in de-resuscitation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adrian Wong (Oxford, United Kingdom)</td>
</tr>
</tbody>
</table>
10LA Lecture

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

**Chair:**
Ayten Saracoglu (Istanbul, Turkey)

**Speaker:**
Catherine Heim (Lausanne, Switzerland)

10MEA Meet the Expert

**A practical approach to triage of trauma patients prior to ICU**
Session organised by the Trainee Committee

**Chair:**
Bernardo Matias (Setubal, Portugal)
Matija Majic (Zagreb, Croatia)

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

10SA Symposium 60'

**Violence and resilience**

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

**Listening to family members of critically ill patients**
Elie Azoulay (Paris, France)

**Lessons in planning from mass casualty events by terrorism**
Mathieu Raux (Paris, France)

**Violence against healthcare staff in hospitals: an underestimated problem?**
Sabine Hahn (Bern, Switzerland)
Ventilation strategies during cardiopulmonary resuscitation (CPR)

Chair: Kurt Ruetzler (Cleveland, United States)

Pulmonary aspiration during CPR
Kurt Ruetzler (Cleveland, United States)

How should we ventilate?
Massimiliano Sorbello (Catania, Italy)

Endotracheal tube versus supraglottic airway
Ayten Saracoglu (Istanbul, Turkey)

The role of ultrasound in acute cardiac care monitoring

Chair: Thomas Scheeren* (Groningen, Netherlands)

In cardiac arrest
Raoul Breitkreutz (Frankfurt, Germany)

In acute heart failure and cardiogenic shock
Fabio Guarracino (Pisa, Italy)

For regional hemodynamic assessment
Antoine Vieillard-Baron (Paris, France)

The role of mechanical cardiac support

Chair: Bernd Böttiger* (Cologne, Germany)

Indication and outcome of extracorporeal cardiopulmonary resuscitation (ECPR)
Benoît Vivien (Paris, France)

ECPR: All about the flow!
Guido Michels* (Cologne, Germany)

ECPR and donor after cardiac death (DCD)
Marinella Zanierato (Pavia, Italy)
New developments in critical emergency medicine

Chair: Karl-Christian Thies (Greifswald, Germany)

New trends in education for cardiopulmonary resuscitation (CPR) - Technical and non-technical skills
Anne Lippert (Herlev, Denmark)

Use of drones to deliver automated external defibrillator (AED) directly to the scene
Andreas Claesson (Stockholm, Sweden)

Should we anaesthetise awake major trauma patients?
Kate Crewdson (London, United Kingdom)

The role of emergency non-invasive ventilation

Chair: Luca Brazzi (Turin, Italy)

The role of emergency non-invasive ventilation
John Laffey (Galway, Ireland)

The CO2 rebreathing problem
Giuseppe Foti (Monza, Italy)

High-flow nasal cannula
Sharon Einav (Jerusalem, Israel)

Trauma - State of the art

Symposium organised by the European Trauma Course Organisation (ETCO)

Chair: Catherine Heim (Lausanne, Switzerland)

Damage control for anaesthesiologists
Karim Brohi (London, United Kingdom)

The European Trauma Course - 10 years down the line
Karl-Christian Thies (Greifswald, Germany)
Major trauma and resuscitation update - Perioperative management and outcomes
Symposium organised by the New York State Society of Anesthesiologists (NYSSA)

Chair:
Audree Bendo (Brooklyn, United States)

Severe Traumatic Brain Injury
Audree Bendo (Brooklyn, United States)

Major Orthopedic Trauma
Rose Berkun (Buffalo, United States)

Fluid and Transfusion Management
Linda Shore-Lesserson (New York, United States)

Bleeding and trauma (title to be defined)
Symposium organised by the International Anesthesia Research Society (IARS)

Chair:
Catherine Heim (Lausanne, Switzerland)
Kurt Ruetzler (Cleveland, United States)

Massive bleeding in trauma
Karim Brohi (London, United Kingdom)

Bleeding in traumatic brain injury
Jean-François Payen (Grenoble, France)

Coagulation abnormalities in surgical bleeding
Jean-François Pittet (Birmingham, United States)

Obstetrical haemorrhage
Alexander Butwick* (Stanford, United States)
**Positive end-expiratory pressure (PEEP) should always be used: Pro-Con**

**Chair:** Paolo Pelosi (Genoa, Italy)

**Pro**
Christian Putensen (Bonn, Germany)

**Con**
Marcus Schultz (Amsterdam, Netherlands)

**A difficult airway case: is prediction still important?**

**Chair:** Pedro Charco (Valencia, Spain)

**To predict or not to predict? That is the question.**
Ayten Saracoglu (Istanbul, Turkey)

**Tracheal introducers and airway catheters: tips and tricks**

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

**Tracheal introducers and airway catheters: how and when?**
Massimiliano Sorbello (Catania, Italy)

**Tracheal introducers and airway catheters: pitfalls and dangers**
Ilijaz Hodzovic* (Cardiff, United Kingdom)
Fiberoptic bronchoscope or videolaryngoscope for my obese patient?
Session organised in collaboration with the European Society for Perioperative Care of the Obese Patient (ESPCOP) and the European Airway Management Society (EAMS)

Chair:
Flavia Petrini (Chieti Scalo, Italy)
Jan Paul Mulier* (Bruges, Belgium)

I choose fiberoptic bronchoscope
Daniela Godoroja (Bucharest, Romania)

I choose videolaryngoscope
Iljaz Hodzovic* (Cardiff, United Kingdom)

Protecting the lungs and the diaphragm: a new paradigm in mechanical ventilation
Young Teaching Recognition Award winner 2018

Chair:
Robert Greif* (Bern, Switzerland)

Speaker
Tom Schepens (Edegem, Belgium)

Current topics in mechanical ventilation

Chair:
Massimiliano Sorbello (Catania, Italy)

Should low tidal volumes be always used?
Ary Serpa Neto (São Paulo, Brazil)

Spontaneous breathing in early acute respiratory distress syndrome (ARDS): state of the art
Christian Putensen (Bonn, Germany)

Recruitment maneuvers in the operation and intensive care unit
Paolo Pelosi (Genoa, Italy)
### Symposium 60

**Assisted ventilation in the intensive care unit: from fixed support to proportional ventilation**

**Chair:**
Gary Mills (Sheffield, United Kingdom)

<table>
<thead>
<tr>
<th>Topic</th>
<th>Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>Is pressure support ventilation (PSV) still the gold standard?</td>
<td>Salvatore Grasso (Bari, Italy)</td>
</tr>
<tr>
<td>Proportional assist ventilation (PAV): from theory to practice</td>
<td>Alexandre Demoule* (Paris, France)</td>
</tr>
<tr>
<td>Neural adjusted ventilator assist (NAVA): a new paradigm?</td>
<td>Lucia Mirabella (Foggia, Italy)</td>
</tr>
</tbody>
</table>

### Symposium 90

**New tools in airway management: promises kept or much ado about nothing?**

**Chair:**
Massimiliano Sorbello (Catania, Italy)

<table>
<thead>
<tr>
<th>Topic</th>
<th>Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>Which role for ECMO in airway management?</td>
<td>Robert Greif* (Bern, Switzerland)</td>
</tr>
<tr>
<td>THRIVE and high flow nasal cannula: where we are?</td>
<td>Lorenz Gregor Theiler* (Bern, Switzerland)</td>
</tr>
<tr>
<td>New gadgets in airway management: everything useful?</td>
<td>Michael Seltz Kristensen (Copenhagen, Denmark)</td>
</tr>
<tr>
<td>Everything around oxygen: perioxegenation</td>
<td>Massimiliano Sorbello (Catania, Italy)</td>
</tr>
</tbody>
</table>
Practical implementation of blood management programmes

Chair:
Christa Boer (Amsterdam, Netherlands)

Speaker:
Patrick Meybohm* (Frankfurt, Germany)

A practical approach to massive hemorrhage and coagulation problems in trauma patients in the ICU

Session organised by the Trainee Committee

Chair:
Bernardo Matias (Setubal, Portugal)
Matija Majic (Zagreb, Croatia)

Speaker:
Christian von Heymann* (Berlin, Germany)

Is there a superior transfusion algorithm?

Chair:
Christian Fenger-Eriksen (Aarhus, Denmark)

Bias and confounders in the haemostasis and transfusion literature
Christa Boer (Amsterdam, Netherlands)

Does cerebral oximetry help in transfusion protocols?
Matthias Heringlake* (Kiel, Germany)

Tranexamic acid for all bleeding patients
Karim Brohi (London, United Kingdom)
### Perioperative management and monitoring of patients...

**Chair:**
Christian von Heymann* (Berlin, Germany)

- ... on direct oral anticoagulants
  Pierre Albaladejo (Grenoble, France)

- ... on dual or single antiplatelet therapy
  Christian von Heymann* (Berlin, Germany)

- ... with cirrhosis, protein C-S deficiency, von Willebrand disease and haemophilia
  Aamer B. Ahmed* (Leicester, United Kingdom)

### Prehospital fluid and coagulation management

**Chair:**
Patrick Meybohm* (Frankfurt, Germany)

- **Target blood pressure in the bleeding patient with or without brain injury**
  Patrick Reinhold Schober (Amsterdam, Netherlands)

- **Prehospital transfusion with blood products**
  Christian Fenger-Eriksen (Aarhus, Denmark)

- **Optimising coagulation efforts in the bleeding trauma patient**
  Marc Maegele* (Cologne, Germany)

### Update of the European guidelines for the management of bleeding and coagulopathy: what's new in diagnostics and treatment

**Chair:**
Patrick Meybohm* (Frankfurt, Germany)

- **Surgical aspects of the bleeding trauma patient**
  Marc Maegele* (Cologne, Germany)

- **Conventional coagulation management vs. goal directed coagulation management**
  Rolf Rossaint* (Aachen, Germany)

- **Red blood cell (RBC) transfusion: what is evidence-based?**
  Donat Spahn (Zürich, Switzerland)
13LA Lecture

(Hocus) POCUS: magic perioperative applications of ultrasound

Chair:
Gabriella Iohom (Cork, Ireland)

Speaker:
Rosemary Hogg (Belfast, United Kingdom)

13LB Lecture

Challenges to establish real perioperative medicine

Chair:
Idit Matot (Tel Aviv, Israel)

Speaker:
Monty Mythen* (London, United Kingdom)

13LC Lecture

Approaches to avoid and manage major cardiovascular events after surgery

Chair:
Andreas Hoeft (Bonn, Germany)

Speaker:
Philip J. Devereaux* (Hamilton, Canada)
**Prevention of perioperative myocardial infarction**

Chair: Diogo Sobreira Fernandes (Porto, Portugal)

Myocardial infarction - epidemiology, patients at risk and optimization modalities
Giovanna Lurati Buse (Düsseldorf, Germany)

Knowledge gaps in perioperative management of patients at risk
Daniel Sessler* (Cleveland, United States)

Collaboration - a successful approach for managing these patients?
Teodora Orhideea Nicolescu (Oklahoma City, United States)

**Update for opioid saving in the perioperative period**

Chair: Caterina Aurilio (Naples, Italy)

Is the U.S. opioid crisis coming to Europe?
Marc René Suter (Lausanne, Switzerland)

How to reduce postoperative morphine consumption?
Jean-Pierre Estebe (Rennes, France)

Opioids: friends or foes?
Roman Zürcher (Basel, Switzerland)

**New vistas on overcoming failure to rescue**

Chair: Johannes Wacker (Zürich, Switzerland)

Using wireless monitoring for early detection of postoperative complications (SHEPHERD trial)
Benedikt Preckel* (Amsterdam, Netherlands)

Understanding failure to rescue
Andreas Taenzer (Lebanon, United States)

Postoperative visit and monitoring - lessons learned from TRACE and PRODIGY
Wolfgang Buhre* (Maastricht, Netherlands)
Global safe surgery, obstetric and anaesthesia 2030
Symposium organised by the World Federation of Societies of Anaesthesiologists (WFSA)

Chair:
Davy Cheng (London, Canada)

Safe obstetric and neonatal resuscitation globally by 2030: the role of anaesthesia
Angela Enright (Victoria, Canada)

Safe Surgery Globally by 2030: the role of anaesthesia
Rob McDougall (Vienna, Austria)

Influencing the authorities – the role of national planning
Jannicke Mellin-Olsen (Haslum, Norway)

A U.S. perspective on subspecialty best practices and latest guidelines
Symposium organised by the American Society of Anesthesiologists (ASA)

Chair:
Joy Hawkins (Aurora, United States)

Update on neuroanaesthesia
Sulpicio G. Soriano (Boston, United States)

Update on regional anaesthesia
Meg Rosenblatt (New York, United States)

Update on obstetric anaesthesia
Joy Hawkins (Aurora, United States)

Acute care and monitoring of high-risk surgical patients outside the OR and the ICU (1)
Symposium organised by the European Society for Computing and Technology in Anaesthesia and Intensive Care (ESCTAIC)

Chair:
Gabriel Gurman (Omer, Israel)

High-risk patients at discharge from the ICU – When and how?
Karim Bendjelid (Geneva, Switzerland)

High-risk surgical patients after OR – ICU, IMC-U or ward – Choosing wisely!
Bernhard Walder (Geneva, Switzerland)

Perioperative care on the ward - The role of the anaesthesiologist
Bart Geerts (Amsterdam, Netherlands)
Acute care and monitoring of high-risk surgical patients outside the OR and the ICU (2)
Symposium organised by the European Society for Computing and Technology in Anaesthesia and Intensive Care (ESCTAIC)

Chair:
Dan Sebastian Dirzu (Cluj-Napoca, Romania)

Respiratory monitoring outside the OR and ICU
Gabriel Gurman (Omer, Israel)

Cardiac monitoring outside the OR and ICU
Bernardo Bollen Pinto (Geneva, Switzerland)

Perioperative issues in liver disease
Symposium organised by the Liver Intensive Care Group of Europe (LICAGE)

Chair:
Fuat Hakan Saner (Essen, Germany)
Koen Reyntjens (Groningen, Netherlands)

Enhanced recovery after surgery (ERAS) in liver transplantation
Giangdomenico Biancofiore (Pisa, Italy)

Hemodynamic monitoring: which is the best in end-stage liver disease?
Koen Reyntjens (Groningen, Netherlands)

ICU treatment in acute liver failure (ALF)
Dana Rodica Tomescu (Bucharest, Romania)

Safer Anaesthesia for the morbidly obese patients
Symposium organised by the European Society for Perioperative Care of the Obese Patient (ESPCOP)

Chair:
Luc De Baerdemaeker (Gent, Belgium)
Tomasz Gaszynski* (Lodz, Poland)

Airway issues in the morbidly obese
Daniela Godoroja (Bucharest, Romania)

Key strategies for optimal ventilation in morbidly obese
Jan Paul Mulier* (Bruges, Belgium)

Safe analgesia in morbidly obese
Michael Margarson (Chichester, United Kingdom)
Lecture 14LA

**Patient safety in European anaesthesiology and the impact of the Helsinki Declaration**

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

**Speaker:**
Andrew Fairley Smith* (Lancaster, United Kingdom)

Lecture 14LB

**The patient’s view on perioperative patient safety**

**Chair:**
Daniel Arnal* (Alcorcon, Spain)

**Speaker:**
Coby Omvlee (Trondheim, Norway)

Refresher Course 14RCA

**How anaesthesiologists can contribute to avoid perioperative infections**

**Chair:**
Hartmut Bürkle (Freiburg, Germany)

**Speaker:**
Sebastian Schulz Stübner* (Freiburg, Germany)
Detecting and eliminating medication errors

Chair: Johannes Wacker (Zürich, Switzerland)

Medication without harm - WHO’s third global patient safety challenge
Liam J. Donaldson (London, United Kingdom)

Medication errors - Lessons learnt from the SENSAR incident database
Daniel Arnal* (Alcorcon, Spain)

From labelling to prefilled syringes and beyond - Medication safety in anaesthesiology
David Whitaker (Manchester, United Kingdom)

Realising the Helsinki Declaration on Patient Safety in Anaesthesiology (HD) - Six practices that improve perioperative patient safety

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

Safety requirements that should be prioritised in order to improve patient outcomes
Jannicke Mellin-Olsen (Haslum, Norway)

Practical use of cognitive aids - Live the difference
Benedikt Preckel* (Amsterdam, Netherlands)

Postoperative care - Key for improving perioperative patient safety
Johannes Wacker (Zürich, Switzerland)

How quality indicators can help to improve local patient outcomes
Martin Ponschab (Linz, Austria)

How taking care of second victims can help avoiding first victims
Sven E. A. Staender (Maennedorf, Switzerland)

Departmental annual patient safety report - Administrative nuisance or effective patient safety tool?
David Whitaker (Manchester, United Kingdom)

Interpersonal risks and our estimations: do we understand it?

Chair: Paul McConnell (Paisley, United Kingdom)

I am very exhausted and tired but will put you to sleep tonight for surgery - Any problem with it?
Laura McClelland (Cardiff, United Kingdom)

The pros and cons to provide personal medical services for family members
Arthur Caplan (New York, United States)
Postoperative stroke: an update

Chair:
Concezione Tommasino (Milano, Italy)

Speaker:
Idit Matot (Tel Aviv, Israel)

Preventing complications in the elderly

Chair:
Ulf Guenther* (Oldenburg, Germany)

Should this elderly patient be admitted to the intensive care unit (ICU)?
Hans Flaatten (Bergen, Norway)

Preventing delirium in the postoperative period - Is dexmedetomidine the magic bullet?
Ana Kowark (Aachen, Germany)

Preventing respiratory failure in the elderly patients
Christian Brülls (Aachen, Germany)

Anaesthesia in the elderly – REGAINing HOPE

Chair:
Idit Matot (Tel Aviv, Israel)

Preoperative evaluation of the elderly patient
Idit Matot (Tel Aviv, Israel)

Mode of anaesthesia for patients undergoing hip fracture
Mark Coburn (Aachen, Germany)

Intraoperative management of the elderly patient
Ciara O'Donnell (Belfast, United Kingdom)

Cognitive function in the older surgical patient
Chair:
Peter John Lee (Cork, Ireland)

Cognitive impairment in the older surgical patient
Helen O’Brien (Cork, Ireland)

Depth of anaesthesia monitoring in the elderly
Finn Radtke (Naestved, Denmark)

Neurological sequelae of anaesthesia and surgery: equivalent of traumatic brain injury
Lis Evered (Fitzroy, Australia)
How do we translate expanded knowledge into successful practice and patient satisfaction?

Chair:
Kim Lindelof (Malmo, Sweden)

Speaker:
Teodora Orhideea Nicolescu (Oklahoma City, United States)

PERSEUS guidelines

Chair:
Arash Afshari (Copenhagen, Denmark)

Ultrasound for vascular access in adults
Daniele Guerino Biasucci (Rome, Italy)

Ultrasound for vascular access in children
Nicola Disma (Genoa, Italy)

Ultrasound for regional anaesthesia
Emmanuel Boselli* (Bourgoin-Jallieu, France)

Impact of PERSEUS guidelines on future teaching and training
Massimo Lamperti (Abu Dhabi, United Arab Emirates)

Medical ethical dilemmas: more than a burden?

Chair:
Hartmut Bürkle (Freiburg, Germany)

The DNR tattoo: more than a picture?
Arthur Caplan (New York, United States)

Withholding therapy in a suicide trauma victim?
Paul McConnell (Paisley, United Kingdom)

Am I my brother's keeper? How to deal with impaired and incompetent medical team mates
Jan Willem Weenink (Nijmegen, Netherlands)

Education in the future...
### Chair:
Leila Niemi-Murola (Helsinki, Finland)

#### Which competencies do anaesthesists and their team members need in 2025?
Anu Kajamaa (Helsinki, Finland)

#### Artificial Intelligence: what are the possibilities and how can it support us?
Markus Leskinen (Helsinki, Finland)

#### Adaptive learning: a skill of the anaesthesiologist 2.0?
Claus Bierman (Copenhagen, Denmark)

---

### Teaching the future specialists in anaesthesiology
Symposium organised by the National Anaesthesiologists Societies Committee (NASC)

### Chair:
Serban-Ion Bubenek-Turconi (Bucharest, Romania)
Andreas Sandner-Kiesling (Graz, Austria)

#### Teaching evidence based medicine and management of uncertainty for decision making
Dan Longrois (Paris, France)

#### Teaching the (future) teachers
Vojislava Neskovic (Belgrade, Serbia)

#### What is excellence in teaching? The point of view of trainees
Bernardo Matias (Setubal, Portugal)

---

### ESA Trainee Network: “Trainees for Trainees”
Symposium organised by the ESA Trainees Committee

### Chair:
Mario Zerafa (Msida, Malta)

#### Non-Technical Skills - What's in it for my patient and I?
Rikke Malene Jepsen (Hvidovre, Denmark)

#### The critical emergency medicine in the Mediterranean Sea: the role of the Anaesthesiologist in search and rescue operations
Simone Bazurro (Genoa, Italy)

#### News on diabetes mellitus in the ICU
Abraham Hulst (Amsterdam, Netherlands)
**Implications of the updated European Training Requirement (ETR)**
Symposium organised by the European Board of Anaesthesiology (EBA)

**Chair:**
Goetz Geldner (Ludwigsburg, Germany)

**Introduction of the updated ETR**
Olegs Sabelnikovs (Riga, Latvia)

The impact of the EDAIC and the ETR on the European anaesthesiologist
Andrey Varvinskiy* (Torquay, United Kingdom)

The impact of the HVTAP and the ETR on the European anaesthesiologist
Valentina Almeida (Coimbra, Portugal)

**Safer anaesthesia with good teamwork in the operating theatre**
Symposium organised by the International Federation of Nurse Anesthetists (IFNA)

**Chair:**
Marcelo Gama de Abreu* (Dresden, Germany)
Pascal Rod (Villennes Sur Seine, France)

**Patient outcome: Anaesthesia care team versus solo physicians**
Philippe Dony (Lodelinsart, Belgium)

**Better working processes – the role of the surgical checklist**
Arvid Steinar Haugen (Bergen, Norway)

**Teamwork and patient safety, illustrated by real cases**
Patrice Forget (Brussels, Belgium)
Robert Doureradjam (Geneva, Switzerland)

**ESA Trainee Network Booth Session: ESA Trainees Committee and National Trainee Sections**
Symposium organised by the Trainee Committee

**Chair:**
Anne Blank (Berlin, Germany)
Gustavo Norte (Coimbra, Portugal)

**Creating a new Trainee Section: the Belgian experience**
Shaun De Meirsman (Leuven, Belgium)

**JUNGE Anaesthesia – Austrian Trainee Network**
Steve Muller (Villach, Austria)

**From 1988 until today: the ASA Resident Component Experience**
Chad Greene (Nashville, United States)
**Best Abstract Prize Competition**

**Chair:**
Charles Marc Samama (Paris, France)
Contestants will be known in April 2019

**Guidelines: Pro-Con**

Session organised by the ESA Guidelines Committee

**Chair:**
Sibylle Kietaibl (Vienna, Austria)

**Pro**
Edoardo De Robertis* (Naples, Italy)

**Con**
Arash Afshari (Copenhagen, Denmark)

**Sir Robert Macintosh Lecture**

**Chair:**
Stefan De Hert (Gent, Belgium)

*Anaesthesiology: a “lifestyle” profession*
Paolo Pelosi (Genoa, Italy)
### Diversity and anaesthesia: is there a gender problem?

**Chair:**
Maria Cristina Honorato (Pamplona, Spain)
Stefan De Hert (Gent, Belgium)

**The situation in Europe: call for action**
Daniela Filipescu (Bucharest, Romania)

**The situation in the U.S.: ASA perspective and approach**
Elizabeth Rebello* (Houston, United States)

**Academic medicine and gender: insight from experience**
Julian Eastoe (Bristol, United Kingdom)

### Sustainability: not only in the operating room!

**Chair:**
Sinikka Münte (Helsinki, Finland)
Pierre Albaladejo (Grenoble, France)

**Fostering low carbon healthcare**
Herwig Gerlach (Berlin, Germany)

**Sustainability initiatives in the United Kingdom and at the Royal College of Anaesthetists**
J. M. Tom Pierce (Southampton, United Kingdom)

**Fast-tracking as an opportunity for greening!**
Helene Beloeil (Rennes, France)

### The anaesthesiologist as a second victim of an adverse event

**Chair:**
Stefan De Hert (Gent, Belgium)
Pierre Albaladejo (Grenoble, France)

**Burn-out among anaesthesiologists: results of an Italian survey**
Filippo Sanfilippo (Palermo, Italy)

**Burn-out among anaesthesiologists: results of Greek survey**
Eleni Arnaoutoglou (Ioannina, Greece)

**Prevention is better than Disaster: a Maltese experience within obstetric anaesthesia**
Petramay Attard Cortis (L-Imsiida, Malta)

**Second victim: causes and consequences**
Hervé Bouaziz (Nancy, France)
Historical appreciation of refugees from Austria in the years 1938-1945 and their achievements in the field of anaesthesia, critical care, pain medicine and emergency medicine

Symposium organised by the National Organising Committee (NOC)

Chair:
Klaus Markstaller (Vienna, Austria)
Sharon Einav (Jerusalem, Israel)

National socialism and the consequences for the Viennese medical community
Markus Müller (Vienna, Austria)

Famous Austrian medical scientists/anaesthesiologists in exile
Franz X. Lackner (Vienna, Austria)

Anaesthesia under national socialism
Michael Goerig (Hamburg, Germany)

This will be the next big thing in ... (10 minutes to convince)

Symposium organised by the National Organising Committee (NOC)

Chair:
Judith Martini (Innsbruck, Austria)
Anette-Marie Schultz (Vienna, Austria)

...pain medicine!
Burkhard Gustorff (Vienna, Austria)

...emergency medicine!
Harald Willschke (Vienna, Austria)

...the operating room!
Oliver Kimberger (Vienna, Austria)

...critical care!
Paul Zajic (Graz, Austria)

History of anaesthesia

Chair:
Alistair McKenzie (Edinburgh, United Kingdom)

Austrian contributions to anaesthesia
Franz X. Lackner (Vienna, Austria)

Influence of the Vienna/Austrian School on British and American practice
Alistair McKenzie (Edinburgh, United Kingdom)

Pain therapy and acupuncture in Austria
Anna Spacek (Vienna, Austria)
### EJA - Meet the Editors-in-Chief
Symposium organised by the European Journal of Anaesthesiology (EJA)

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

Presentations will be added in April 2019

### Newest ESA guidelines presentation
Symposium organised by the ESA Guidelines Committee

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

- **Guidelines on ultrasound-guided vascular access and regional blocks**
  Massimo Lamperti (Abu Dhabi, United Arab Emirates)

- **Guidelines on non-invasive respiratory support for hypoxemic patient**
  Marc Leone* (Marseille, France)

### ESA Clinical Trials Network (CTN): Research in action
Symposium organised by the ESA Research Committee

**Chair:**
Thomas Fuchs-Buder* (Nancy, France)

- **Concept of Clinical Trial Network and success of past studies**
  Wolfgang Buhre* (Maastricht, Netherlands)

- **OBTAIN CTN Study: occurrence of bleeding and thrombosis during antiplatelet therapy in non-cardiac surgery**
  Simon Howell (Leeds, United Kingdom)

- **PROBESE CTN Study: protective ventilation with higher versus lower PEEP during general anaesthesia for surgery in obese patients**
  Marcelo Gama de Abreu* (Dresden, Germany)

### ESA support to researchers: the ESA grants
Symposium organised by the ESA Research Committee

**Chair:**
Thomas Fuchs-Buder* (Nancy, France)

- **Presentation of the new BJA-ESA Grant**
  Donal J. Buggy (Dublin, Ireland)

- **CTN Grants proposed by ESA - Update on the studies currently recruiting centres**
  Giovanna Lurati Buse (Düsseldorf, Germany)

- **Research support for young members: ESA Young Investigator Grant and masterclasses**
  Isabelle Decosterd (Lausanne, Switzerland)
Residual complications and pulmonary complications: the POPULAR study
Symposium organised by the ESA Research Committee

Chair:
Thomas Fuchs-Buder* (Nancy, France)

The POPULAR results
Manfred Blobner* (Munich, Germany)

Neuromuscular management after POPULAR: did we do wrong in the past?
Thomas Fuchs-Buder* (Nancy, France)

Clinical consequences of POPULAR study for daily practice
Benoît Plaud (Paris, France)

ESA Trainee Network Booth Session: Hot topics by past YTRA winners
Session organised by the ESA Trainee Committee

Chair:
Bernardo Matias (Setubal, Portugal)
Diogo Sobreira Fernandes (Porto, Portugal)

Diaphragm-protective ventilation
Tom Schepens (Edegem, Belgium)

A way forward in pulmonary aspiration incidence reduction: ultrasound, mathematics, and worldwide data collection
Marko Zdravkovic (Maribor, Slovenia)

Trauma - Goal Directed Treatment based on ROTEM
Igor Vaskovic (Belgrade, Serbia)

Young Teaching Recognition Award

Chair:
Serban-Ion Bubenek-Turconi (Bucharest, Romania)
Andreas Sandner-Kiesling (Graz, Austria)
Bernardo Matias (Setubal, Portugal)

Contestants will be known in April 2019