Pro & Con Debate
Saturday, 1 June
11:00 - 12:00
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)

Symposium
Saturday, 1 June
14:00 - 15:00
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)

Lecture
Saturday, 1 June
15:15 - 16:00
Update on mechanisms of general anaesthesia

Chair: Anthony Absalom* (Groningen, Netherlands)

Speaker: Nicholas Franks (London, United Kingdom)
**D 01D1**  
Pro & Con Debate  
Saturday, 1 June  
11:00 - 12:00  
**Colloids are necessary for intraoperative fluid management: Pro-Con**  

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

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**S 01S1**  
Symposium  
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14:00 - 15:00  
**Digital health: when computers supervise**  

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Lecture  
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**Update on mechanisms of general anaesthesia**  

**Chair:**  
Anthony Absalom* (Groningen, Netherlands)  

**Speaker:**  
Nicholas Franks (London, United Kingdom)
### Lecture
**Saturday, 1 June 15:15 - 16:00**

**History of self-experiments in anaesthesia**

**Chair:**
Alistair McKenzie (Edinburgh, United Kingdom)

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

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### Meet the Expert
**Saturday, 1 June 15:15 - 16:00**

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

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

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

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### Refresher Course
**Saturday, 1 June 15:15 - 16:00**

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

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

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

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### Symposium
**Saturday, 1 June 17:30 - 18:30**

**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)
<table>
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<th>Time</th>
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</table>
| **Saturday, 1 June** | **Symposium** 17:30 - 18:30  
Goal versus guideline-directed cardiopulmonary resuscitation (CPR) |  | Stolz                                        |                                                 |
|            | **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)                                             |          |                                              |                                                 |
| **Saturday, 1 June** | **Lecture** 17:45 - 18:30  
Closed loop anaesthesia: how close to prime time is it? |  
Violin Hall | Violin Hall | Violin Hall |
|            | **Chair:** Michel Struys* (Groningen, Netherlands)                   |          |                                              |                                                 |
|            | **Speaker:** Ngai Liu* (Paris, France)                               |          |                                              |                                                 |
| **Sunday, 2 June** | **Symposium** 08:00 - 09:00  
Malignant hyperthermia (MH) outside the operating theatre |  
Schubert 5 | Schubert 5 | Schubert 5 |
|            | 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)                             |          |                                              |                                                 |
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
Tom Giedsing Hansen (Odense, Denmark)

Elderly patients
Mark Coburn (Aachen, Germany)

Inhaled agents, carrier gases and the environment

Chair:
Jan Hendrickx* (Aalst, Belgium)

Speaker:
Ole John Nielsen (Copenhagen, Denmark)

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

Chair:
Thomas Scheeren* (Groningen, Netherlands)

Speaker:
Bernd Saugel* (Hamburg, Germany)
### Pro & Con Debate
**Sunday, 2 June 14:00 - 15:00**

**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)

### Symposium
**Sunday, 2 June 14:00 - 15:00**

**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)

### Pro & Con Debate
**Sunday, 2 June 17:00 - 18:00**

**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)

### Symposium
**Monday, 3 June 08:30 - 09:30**

**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)
Hot Topics in Anaesthesiology - Last 12 months' top publications

Chair:
Charles Marc Samama (Paris, France)

Speaker:
Andreas Hoeft (Bonn, Germany)

Fluids, blood and oxygen: friends or foes?

Chair:
Bernd Saugel* (Hamburg, Germany)

Speaker:
Thomas Scheeren* (Groningen, Netherlands)
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<td>Lecture</td>
<td>02L1</td>
<td>Saturday, 1 June 16:30 - 17:15</td>
<td>Litigation and complaints associated with ambulatory anaesthesia</td>
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<td>Boris Mraovic* (Philadelphia, United States)</td>
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<tr>
<td>Refresher Course</td>
<td>02RC1</td>
<td>Sunday, 2 June 09:15 - 10:00</td>
<td>Ambulatory anaesthesia: the state of the art</td>
<td>Flute Hall</td>
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<td>Ian Smith (Stoke-on-Trent, United Kingdom)</td>
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### Diabetes mellitus in the ambulatory setting

**Sunday, 2 June**
**17:00 - 18:00**

**Flute Hall**

**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**
Kariem El-Boghdadly* (London, United Kingdom)

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

### Perioperative management of antithrombotic therapy in ambulatory anaesthesia

**Monday, 3 June**
**08:30 - 09:30**

**Flute Hall**

**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)
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)

Adjuncts or catheters to prolong single-shot injections of local anaesthetics?

Chair:
Matthias Desmet (Kortrijk, Belgium)

Adjuncts
Eric Albrecht* (Lausanne, Switzerland)

Catheters
David Johnston (Belfast, United Kingdom)

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

Chair:
Kariem El-Boghdadly* (London, United Kingdom)

Pro
Eric Albrecht* (Lausanne, Switzerland)

Con
Jose Romero (Zürich, Switzerland)
**03S2 Symposium**  
Sunday, 2 June  
08:00 - 09:00

**Game changers - Recent papers in regional anaesthesia that changed my practice**

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

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

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

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**03L1 Lecture**  
Sunday, 2 June  
09:15 - 10:00

**Fascia plane blocks – Old techniques, new perspectives**

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

**Speaker:**
Kariem El-Boghdadly* (London, United Kingdom)

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**03S3 Symposium**  
Sunday, 2 June  
15:15 - 16:15

**Regional anaesthesia: secret recipes from experts**

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

**Which local anaesthetics for which block?**
Morne Wolmarans (Norwich, United Kingdom)

**Tips and tricks to maintain perineural catheters and avoid complications**
David Johnston (Belfast, United Kingdom)

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

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**03S4 Symposium**  
Monday, 3 June  
08:30 - 09:30

**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)
**Regional anaesthesia for ambulatory surgery**

**Chair:**
TBA

**Shoulder arthroscopic surgery**
Morne Wolmarans (Norwich, United Kingdom)

**Anterior cruciate ligament reconstruction**
Pia Jaeger (Copenhagen, Denmark)

**Foot surgery**
Luc Sermeus* (Edegem, Belgium)
### Symposium 04S1
**Saturday, 1 June 17:30 - 18:30**

**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)

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### Lecture 04L1
**Sunday, 2 June 09:15 - 10:00**

**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)

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### Symposium 04S2
**Sunday, 2 June 10:30 - 12:00**

**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)
04S3 Symposium Sunday, 2 June 15:15 - 16:15

**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)

04L2 Lecture Monday, 3 June 11:00 - 11:45

**Hot Topics in Obstetric Analgesia and Anaesthesia - Last 12 months' top publications**

**Chair:**
Carolyn Weiniger (Tel Aviv, Israel)

**Speaker:**
Dominique Chassard (Bron, France)
### Controversies in paediatric anaesthesia

**Chair:**
Laszlo Vutskits (Geneva, Switzerland)

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

**Anaesthesia for the obese child**
Maren Kleine-Brueggeney (London, United Kingdom)

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

### 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)

### ESA 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)
### 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**
Andreas Machotta (Rotterdam, Netherlands)

### From acute to chronic pain in children

**Lecture**

**Chair:**
Laszlo Vutskits (Geneva, Switzerland)

**Speaker:**
Suellen Walker (London, United Kingdom)

### Paediatric anaesthesia and neurological outcome: the GAS Study

**Symposium**

**Late-Breaking Session**

**Chair:**
Nicola Disma (Genoa, Italy)

**The GAS Study results**
Nicola Disma (Genoa, Italy)

**Rationale for the neurological outcomes**
Liam Dorris (Glasgow, United Kingdom)

**The need for future research**
Marry Eilen McCann (Boston, United States)
### 06S1 Symposium
**Sunday, 2 June 10:30 - 12:00**

**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**
Martin Söhle* (Bonn, Germany)

**Cerebral bleeding and new anticoagulants**
Dana Baron Shahaf (Haifa, Israel)

### 06S2 Symposium
**Sunday, 2 June 15:15 - 16:15**

**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)

### 06ME1 Meet the Expert
**Monday, 3 June 09:45 - 10:30**

**A practical approach to TBI in the ICU**
Session organised by the Trainee Committee

**Chair:**
Matija Majic (Zagreb, Croatia)

**Speaker:**
Aeyal Raz* (Madison, United States)
Hot Topics in Neuroanaesthesia - Last 12 months' top publications

Chair: Alexander Zlotnik (Beer-Sheva, Israel)

Speaker: Martin Söhle* (Bonn, Germany)
**S 07S1**  
**Symposium**  
Saturday, 1 June  
11:00 - 12:00  
**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)

**RC 07RC1**  
**Refresher Course**  
Saturday, 1 June  
16:30 - 17:15  
**Cardio-circulatory stabilisation of the hypovolemic patient: the endless story**  
Chair:  
Bernard Cholley* (Paris, France)  
Speaker:  
Jean-Louis Teboul* (Le Kremlin-Bicêtre, France)

**S 07S2**  
**Symposium**  
Sunday, 2 June  
08:00 - 09:00  
**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)
**07S3 Symposium**  
Sunday, 2 June  
10:30 - 12:00

**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)

**07S4 Symposium**  
Sunday, 2 June  
14:00 - 15:00

**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)

**07S5 Symposium**  
Sunday, 2 June  
17:00 - 18:00

**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)
**Trans-catheter aortic valve insertion (TAVI) in 2019: an update**

Chair:
Bernard Cholley* (Paris, France)

Speaker:
Benedikt Preckel* (Amsterdam, Netherlands)

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**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)

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**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?**
Caroline Vanpeteghem (Gent, Belgium)

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

Discussion

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

Chair:
Christian Putensen (Bonn, Germany)

Speaker:
Bernard Cholley* (Paris, France)
**ACUTE AND CHRONIC PAIN MANAGEMENT AND PALLIATIVE MEDICINE**

**Learning Track 8**

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**Symposium**

**08S1**

Saturday, 1 June

14:00 - 15:00

**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)

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**Refresher Course**

**08RC1**

Saturday, 1 June

16:30 - 17:15

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

**Chair:**

Kris Vissers (Nijmegen, Netherlands)

**Speaker:**

Jan Van Zundert (Lanaken, Belgium)

---

**Symposium**

**08S2**

Sunday, 2 June

15:15 - 16:15

**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)
<table>
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<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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<tbody>
<tr>
<td>08:30 - 09:30</td>
<td>Omics and pain: where are we here? Chair: Winfried Meissner (Jena, Germany)</td>
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<td>Genomics and pain</td>
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<td>Bert Joosten (Maastricht, Netherlands)</td>
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<td>Proteomics and pain</td>
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<td>Esther M. Pogatzki-Zahn* (Münster, Germany)</td>
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<tr>
<td>14:00 - 14:45</td>
<td>Hot Topics in Pain Medicine: Last 12 months' top publications Chair: Esther M. Pogatzki-Zahn* (Münster, Germany)</td>
<td>Piano Hall</td>
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<td>Acute pain</td>
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<td>Patricia Lavandhomme (Brussels, Belgium)</td>
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<td>Chronic pain</td>
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<td>Marc René Suter (Lausanne, Switzerland)</td>
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## 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 Molnár* (Szeged, Hungary)

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

## A practical approach to trauma ICU patients

**Chair:**
Matija Majic (Zagreb, Croatia)

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

## Assessing delirium in the intensive care unit

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

**Speaker:**
Ulf Guenther* (Oldenburg, Germany)
**09ME2**
Meet the Expert
Saturday, 1 June 16:30 - 17:15

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)

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**09L2**
Lecture
Sunday, 2 June 09:15 - 10:00

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

Chair:
Cesare Gregoretti* (Palermo, Italy)

**Speaker**
Davide Chiumello (Milan, Italy)

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**09S2**
Symposium
Sunday, 2 June 10:30 - 12:00

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)

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**09S3**
Symposium
Sunday, 2 June 14:00 - 15:00

Resuscitation in septic shock: is less better?

Chair:
Xavier Monnet (Paris, France)

**Less fluids?**
Gernot Marx* (Aachen, Germany)

**Less vasoressors?**
Claude Martin (Marseille, France)

**Less inotropes?**
Jean-Louis Vincent (Brussels, Belgium)
**09S4 Symposium**

**Sunday, 2 June**

**15:15 - 16:15**

**The future of ICU**

**Violin Hall**

**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)

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**09S5 Symposium**

**Sunday, 2 June**

**17:00 - 18:00**

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

**Strauss 1**

**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)

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**09S6 Symposium**

**Sunday, 2 June**

**17:00 - 18:00**

**Patient Safety within ESA & ESICM – projects and achievements**

Symposium organised in collaboration with the European Society of Intensive Care Medicine (ESICM)

**Violin Hall**

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

**ESA President**
Stefan De Hert (Gent, Belgium)

**ESICM President**
Jozef Kesecioglu (Utrecht, Netherlands)

**ESA President-elect**
Kai Zacharowski* (Frankfurt, Germany)

**ESICM President-elect**
Maurizio Cecconi (Milan, Italy)
**CRITICAL EMERGENCY MEDICINE - TRAUMA AND RESUSCITATION**

**Learning Track 10**

**10S1**

**Symposium**

Saturday, 1 June

12:00 - 13:00

**Bloody mess – transfusion and coagulation**

Symposium organised by Anesthesia and Analgesia Journal

**Chair:**

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

**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)

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**10ME1**

**Meet the Expert**

Saturday, 1 June

16:30 - 17:15

**A practical approach to triage of trauma patients prior to ICU**

Session organised by the Trainee Committee

**Chair:**

Matija Majic (Zagreb, Croatia)

**Speaker:**

Kurt Ruetzler (Cleveland, United States)

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**10S2**

**Symposium**

Saturday, 1 June

17:30 - 18:30

**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**

Sabine Roche (Paris, France)

**Violence against healthcare staff in hospitals: an underestimated problem?**

Sabine Hahn (Bern, Switzerland)
**Symposium**

**Saturday, 1 June**

17:30 - 18:30

**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)

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**Lecture**

**Sunday, 2 June**

15:15 - 16:00

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

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

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

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**Symposium**

**Sunday, 2 June**

17:00 - 18:00

**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)

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**Symposium**

**Sunday, 2 June**

17:00 - 18:00

**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?**
TBA
### 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)

### 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?**
  - Giacomo Grasselli (Milan, Italy)

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

### 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)
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<tr>
<th>1059 Symposium</th>
<th>Monday, 3 June</th>
<th>14:00 - 15:00</th>
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</table>

**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)
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)

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)

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

Chair:
Massimiliano Sorbello* (Catania, Italy)

Which role for ECMO in airway management?
Robert Greif* (Bern, Switzerland)

THRIVE and high flow nasal cannula: where we are?
Lorenz Gregor Théler* (Bern, Switzerland)

New gadgets in airway management: everything useful?
Michael Seltz Kristensen (Copenhagen, Denmark)

Everything around oxygen: perioxegenation
Massimiliano Sorbello* (Catania, Italy)
<table>
<thead>
<tr>
<th>Time</th>
<th>Room</th>
<th>Title</th>
<th>Chair</th>
<th>Presenter(s)</th>
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<tbody>
<tr>
<td>09:45</td>
<td>ME</td>
<td><strong>Tracheal introducers and airway catheters: tips and tricks</strong></td>
<td><strong>Chair:</strong> Ellen P. O’Sullivan (Dublin, Ireland)</td>
<td>Massimiliano Sorbello* (Catania, Italy)</td>
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<td></td>
<td><strong>Tracheal introducers and airway catheters: how and when?</strong></td>
<td>Iljaz Hodzovic* (Cardiff, United Kingdom)</td>
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<td>09:45</td>
<td>PBLD</td>
<td><strong>A difficult airway case: is prediction still important?</strong></td>
<td><strong>Chair:</strong> Pedro Charco (Valencia, Spain)</td>
<td>Ayten Saracoglu (Istanbul, Turkey)</td>
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<td><strong>To predict or not to predict? That is the question.</strong></td>
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<td>09:45</td>
<td>RC</td>
<td><strong>Protecting the lungs and the diaphragm: a new paradigm in mechanical ventilation</strong></td>
<td><strong>Chair:</strong> Robert Greif* (Bern, Switzerland)</td>
<td>Tom Schepens (Edegem, Belgium)</td>
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<td><strong>Speaker</strong></td>
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<td>11:00</td>
<td>S</td>
<td><strong>Assisted ventilation in the intensive care unit: from fixed support to proportional ventilation</strong></td>
<td><strong>Chair:</strong> Gary Mills (Sheffield, United Kingdom)</td>
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<td><strong>Is pressure support ventilation (PSV) still the gold standard?</strong></td>
<td>Salvatore Grasso (Bari, Italy)</td>
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<td><strong>Proportional assist ventilation (PAV): from theory to practice</strong></td>
<td>Alexandre Demoule* (Paris, France)</td>
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<td><strong>Neural adjusted ventilator assist (NAVA): a new paradigm?</strong></td>
<td>Lucia Mirabella (Foggia, Italy)</td>
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</table>
### 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)

### Highlights in anaesthesia for thoracic surgery
Symposium organised by the Brazilian Society of Anesthesiology (SBA)

**Chair:**
Ana Cristina Pinho Mendes Pereira (Rio de Janeiro, Brazil)

**Airway management and monopulmonary ventilation: tips and tricks**
Chiara Scaglioni Tessmer Gatto (Sao Paolo, Brazil)

**One-lung ventilation**
Raffael Pereira Cezar Zamper (Sao Paolo, Brazil)

**Postoperative analgesia**
Gustavo Rodrigues Costa Lages (Belo Horizonte, Brazil)
**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)

**Practical implementation of blood management programmes**

**Chair:**
Christa Boer (Amsterdam, Netherlands)

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

**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)
A practical approach to massive hemorrhage and coagulation problems in trauma patients in the ICU
Session organised by the Trainee Committee

Chair: 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)

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)
### 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)

### Challenges to establish real perioperative medicine

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

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

### Approaches to avoid and manage major cardiovascular events after surgery

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

**Speaker**
Philip J. Devereaux* (Hamilton, Canada)
## 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**
Giandomenico 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)

## (Hocus) POCUS: magic perioperative applications of ultrasound

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

**Speaker:**
Rosemary Hogg (Belfast, United Kingdom)

## Safer anaesthesia for the morbidly obese patient
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)

**Optimal ventilation in the morbidly obese**
Jan Paul Mulier* (Bruges, Belgium)

**Safer analgesia in morbidly obese**
Michael Margarson (Chichester, United Kingdom)

## 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)
**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 anesthesia**
  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)

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**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)
Gabriel Gurman (Omer, Israel)

- **Monitoring patients from decision to discharge: using informatics to enable Enhanced Recovery After Surgery protocols**
  Jonathan Wanderer (Nashville, United States)

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

- **Paediatric clinical decision support systems: a review of the evidence and a view toward the future**
  Allan Simpao (Philadelphia, United States)

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**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)
### New vistas on overcoming failure to rescue

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

**Understanding failure to rescue**
Maria Wittmann (Bonn, Germany)

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

**Postoperative visit and monitoring - lessons learned from TRACE and PRODIGY**
Wolfgang Buhre* (Maastricht, Netherlands)

### Postoperative opioid induced respiratory depression, is it really a problem?

**Results of PRODIGY and beyond**

**Late-Breaking Session**

**Chair:**
Daniela Ionescu* (Cluj-Napoca, Romania)

**Speaker**
Wolfgang Buhre* (Maastricht, Netherlands)
14S1  Symposium  Saturday, 1 June  11:00 - 12:00  Interpersonal risks and our estimations: do we understand it?  Schubert

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)

14S2  Symposium  Saturday, 1 June  14:00 - 15:00  From cell phones to noisy rooms – Can distractions in the OR harm your patients
Violin Hall

Symposium organised by the Anesthesia Patient Safety Foundation (APSF) in collaboration with the American Society of Anesthesiologists (ASA)

Chair:
Matthew Weinger (Nashville, United States)

Understanding distractions and interruptions in anaesthesia care
Tobias Grundgeiger (Würzburg, Germany)

OR distractions and their effects on vigilance, workload, and non-routine events
Jason Slagle (Nashville, United States)

Critical phase distractions in anaesthesia and the sterile cockpit concept
Malcolm Broom (Glasgow, United Kingdom)

APSF’s Recommendations for OR Distraction Management
Matthew Weinger (Nashville, United States)

L  Lecture  Saturday, 1 June  15:15 - 16:00  The patient's view on perioperative patient safety  Agora

Chair:
Daniel Arnal* (Alcorcon, Spain)

Speaker:
Coby Omvlee (Trondheim, Norway)
**Refresher Course**
Saturday, 1 June
16:30 - 17:15

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

Chair:
Hartmut Bürkle (Freiburg, Germany)

Speaker:
Sebastian Schulz Stübner* (Freiburg, Germany)

**Symposium**
Sunday, 2 June
10:30 - 12:00

**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)

**Lecture**
Monday, 3 June
08:30 - 09:15

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

Chair:
Johannes Wacker (Zürich, Switzerland)

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

**Symposium**
Monday, 3 June
15:30 - 16:30

**Detecting and eliminating medication errors**

Chair:
Johannes Wacker (Zürich, Switzerland)

Medication without harm - WHO’s third global patient safety challenge
TBA

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)
### Cognitive function in the older surgical patient

**Chair:**
Concezione Tommasino (Milano, Italy)

**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)

### 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)

### 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)?**
Dylan de Lange (Utrecht, Netherlands)

**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)
### 16L1 Lecture
**Saturday, 1 June**  
15:15 - 16:00  
**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)

### 16S1 Symposium
**Saturday, 1 June**  
16:30 - 18:00  
**Safer anaesthesia with good teamwork in the operating theatre**  
Symposium organised by the ESA in collaboration with 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)

### 16S2 Symposium
**Sunday, 2 June**  
09:00 - 10:00  
**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 Meirman (Leuven, Belgium)

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

**From 1988 until today: the ASA Resident Component Experience**  
TBA
### 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)

### ESA Trainee Network: “Trainees for Trainees”

**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)

### 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)
### 1656 Symposium
**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)

### 1657 Symposium
**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)

### 1658 Symposium
**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)
### ESA SESSIONS

**ESAL1 Lecture**  
Saturday, 1 June  
09:45 - 10:30  
**Sir Robert Macintosh Lecture**

Chair:  
Stefan De Hert (Gent, Belgium)

Anaesthesiology: a “lifestyle” profession  
Paolo Pelosi (Genoa, Italy)

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**ESAS1 Symposium**  
Saturday, 1 June  
11:00 - 12:30  
**Meet the Editors-in-Chief**

Symposium organised by the European Journal of Anaesthesiology (EJA)

Chair:  
Martin Tramèr (Geneva, Switzerland)

- **Preprints in clinical medicine: merits and demerits (Anesthesiology)**  
  - Evan Kharasch (St. Louis, United States)

- **Impressions from today’s world of systematic reviews and meta-analyses (Acta Anaesthesiologica Scandinavica)**  
  - Michael Haney (Umeå, Sweden)

- **Title to be announced (Canadian Journal of Anesthesia)**  
  - Hilary P. Grocott (Winnipeg, Canada)

- **Plan-S: implications for authors, journals and societies (Anaesthesia and Intensive Care)**  
  - John Loadsman (Camperdown, Australia)

- **What is the value of publishing Case Reports in the current era? (Anaesthesia)**  
  - Kariem El-Boghdadly* (London, United Kingdom)
**Be the person others want to follow: ESA insights into leadership and gender (in)equality**

Chair:
Thea Koch (Dresden, Germany)
Wolfgang Bühre* (Maastricht, Netherlands)

**ESA survey on gender and leadership**
Idit Matot (Tel Aviv, Israel)

**Dean perspective**
J. Robert Sneyd* (Plymouth, United Kingdom)

**Trainee perspective – the Y generation**
Anne Blank (Berlin, Germany)

**Panel Discussion**

**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-Imida, Malta)

**Second victim: causes and consequences**
Hervé Bouaziz (Nancy, France)

**Guidelines: Pro-Con**

Session organised by the ESA Guidelines Committee

Chair:
Sibylle Kietaibl (Vienna, Austria)

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

**Con**
Arash Afshari (Copenhagen, Denmark)
### ESAS4 Symposium
**Sunday, 2 June 08:00 - 09:00**

**This will be the next big thing in ... (10 minutes to convince)**
Symposium organised by the National Organising Committee (NOC)

<table>
<thead>
<tr>
<th>Chair:</th>
<th>Judith Martini (Innsbruck, Austria)</th>
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<tbody>
<tr>
<td></td>
<td>Anette-Marie Schultz (Vienna, Austria)</td>
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<tr>
<td>...pain medicine!</td>
<td>Burkhard Gustorff (Vienna, Austria)</td>
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<td>...emergency medicine!</td>
<td>Harald Willschke (Vienna, Austria)</td>
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<td>...the operating room!</td>
<td>Oliver Kimberger (Vienna, Austria)</td>
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<td>...critical care!</td>
<td>Paul Zajic (Graz, Austria)</td>
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### YTRA Prize Competition
**Sunday, 2 June 08:15 - 10:45**

**Young Teaching Recognition Award**

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<tr>
<th>Chair:</th>
<th>Serban-Ion Bubenek-Turconi (Bucharest, Romania)</th>
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<td>Andreas Sandner-Kiesling (Graz, Austria)</td>
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<td>Bernardo Matias (Setubal, Portugal)</td>
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### BAPC Prize Competition
**Sunday, 2 June 14:00 - 16:00**

**Best Abstract Prize Competition**

<table>
<thead>
<tr>
<th>Chair:</th>
<th>Charles Marc Samama (Paris, France)</th>
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<tr>
<td></td>
<td>Esther M. Pogatzki-Zahn* (Münster, Germany)</td>
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<td>Alexander Zarbock* (Münster, Germany)</td>
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<tr>
<td>Dexmedetomidine increases expression of peroxisome proliferator-activated receptor gamma (PPAR-gamma) in LPS-stimulated mouse macrophage-like cells</td>
<td>Maki Fujimoto (Okayama, Japan)</td>
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<td>Remote ischemic preconditioning attenuates lipopolysaccharide induced systemic inflammation through suppressing MAPK/AKT/NF-kB/COX-2 pathway, regardless of RIPC applied time</td>
<td>Eun-Ji Ko (Seoul, South Korea)</td>
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<td>Splenectomy and Infliximab Ameliorate Hepatic Ischemia Reperfusion Injury in Rats</td>
<td>Eun Kyung Choe (Daegu, South Korea)</td>
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<td>In vivo performance of a membrane CO2 scrubber during target controlled closed-circuit anesthesia</td>
<td>Sarah Eerlings (Aalst, Belgium)</td>
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<td>Comparison of distribution patterns among three approaches for quadratus lumborum block: an imaging study by 3D-CT scanning</td>
<td>Gert-Jan Eerdekens (Genk, Belgium)</td>
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<td>Lidocaine levels when used intravenously or in thoracic paravertebral space during lung resection surgery.</td>
<td>Juan Pedro De Miguel Fernández-Miranda (Madrid, Spain)</td>
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### ESA Clinical Trials Network (CTN): Research in action

**Symposium organised by the ESA Research Committee**

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

<table>
<thead>
<tr>
<th>Topic</th>
<th>Speaker/Institution</th>
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<tbody>
<tr>
<td>Concept of Clinical Trial Network and success of past studies</td>
<td>Wolfgang Buhre* (Maastricht, Netherlands)</td>
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<tr>
<td>OBTAIN CTN Study: occurrence of bleeding and thrombosis during antiplatelet therapy in non-cardiac surgery</td>
<td>Simon Howell (Leeds, United Kingdom)</td>
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<tr>
<td>PROBESE CTN Study: protective ventilation with higher versus lower PEEP during general anaesthesia for surgery in obese patients</td>
<td>Marcelo Gama de Abreu* (Dresden, Germany)</td>
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</table>

### New developments in Asian anaesthesia

**Session organised by the Japanese Society of Anesthesiologists (JSA) and the Korean Society of Anesthesiologists (KSA)**

#### Anesthetic management and the role of anesthesiologists for intraoperative monitoring of motor evoked potentials
Masahiko Kawaguchi (Nara, Japan)

#### Postoperative pain control modalities for living liver donors
Justin Ko (Seul, South Korea)

### Residual complications and pulmonary complications: the POPULAR study

**Symposium organised by the ESA Research Committee**

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

<table>
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<tr>
<th>Topic</th>
<th>Speaker/Institution</th>
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<tbody>
<tr>
<td>The POPULAR results</td>
<td>Manfred Blobner* (Munich, Germany)</td>
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<tr>
<td>Neuromuscular management after POPULAR: did we do wrong in the past?</td>
<td>Thomas Fuchs-Buder* (Nancy, France)</td>
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<tr>
<td>Clinical consequences of POPULAR study for daily practice</td>
<td>Hans Donald De Boer* (Groningen, Netherlands)</td>
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</tbody>
</table>
**ESAS9 Symposium**  
Monday, 3 June  
11:00 - 12:00

**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 Anaesthetics**  
J. M. Tom Pierce (Southampton, United Kingdom)

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

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**ESAS11 Symposium**  
Monday, 3 June  
14:00 - 15:00

**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)

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**ESAS12 Symposium**  
Monday, 3 June  
15:30 - 16:30

**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)
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)

Viennese Medical Scientists pertaining to Anaesthesia affected by the "Anschluss" 1938
Franz X. Lackner (Vienna, Austria)

Anaesthesia under national socialism
Michael Goerig (Hamburg, Germany)