**Pre-Congress Course on current concepts in airway management**

Pre-congress course organised by the ESA Scientific Subcommittee on Respiration and Airway Management, in collaboration with the European Airway Management Society (EAMS)

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

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

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

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

**Morbidity and mortality of the airway management**
Ellen P. O’Sullivan (Dublin, Ireland)

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

**Break**

**Workshop Part 1 - 3 Skill stations**

**Break**

**Case 1: Pushing the limits?**
Timothy M. Cook (Bath, United Kingdom)*

**Case 2: Oxygen yes – tube no (Videolaryngoscopy)**
Lorenz Theiler (Bern, Switzerland)

**Case 3: Plan ahead (Awake intubation)**
Arnd Timmermann (Berlin, Germany)*

**Lunch**

**Workshop Part 2 - 3 Skill stations**

**Case 4: When all things go wrong**
Ankie Hamaekers (Maastricht, Netherlands)*

**Case 5: Small airway – big problem? (The pediatric difficult airway)**
Thomas Engelhardt (Aberdeen, United Kingdom)
Lost in transition: the challenges of moving from non-surgical airway to front-of-neck access
Nicholas Chrimes (Melbourne, Australia)

Break

Workshop Part 3 - 3 Skill stations

Summary statements and closing remarks
Arnd Timmermann (Berlin, Germany)*
Lorenz Theiler (Bern, Switzerland)

Skill stations

1. Supraglottic devices and mask ventilation
Anil Patel (London, United Kingdom)
Ana Maria Lopez Gutiérrez (Barcelona, Spain)*
Timothy M. Cook (Bath, United Kingdom)**

2. Flexible optical laryngoscopy
Carin Hagberg (Houston, United States)*
Kamil Toker (Kocaeli, Turkey)
Ellen P. O'Sullivan (Dublin, Ireland)
Paul Baker (Auckland, New Zealand)*

3. Intubation through supraglottic device
Elizabeth Behringer (Los Angeles, United States)
Hulya Bilgin (Bursa, Turkey)

4. Direct laryngoscopy and stylets
Massimiliano Sorbello (Catania, Italy)*

5A. Rigid optical laryngoscopy - adult
Pierre Diemunsch (Strasburg, France)
Volker Dörges (Kiel, Germany)*
Richard Cooper (Toronto, Canada)

5B. Rigid optical laryngoscopy - paediatric
Thomas Engelhardt (Aberdeen, United Kingdom)
Iljas Hodzovic (Cardiff, United Kingdom)*

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

7. Emergency percutaneous airway, animal model surgical, Seldinger and needle cricothyroidotomy
Vicente Martinez Pons (Valencia, Spain)
Dusanka Janjevic (Novi Sad, Serbia)
Ankie Hamaekers (Maastricht, Netherlands)*
Michael Müller (Freiburg, Germany)

8. Lung isolation techniques
Niels Erik Ove Andersen (Copenhagen, Denmark)
Rüdiger Noppens (Mainz, Germany)

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

9B. Simulation: Difficult airway case B
Nicholas Chrimes (Melbourne, Australia)
Georges Savoldelli (Geneva, Switzerland)
Regional Anaesthesia on Cadavers
**IMPORTANT NOTICE: access is limited to pre-registered delegates**

**Friday, 27 May**

9:00 – 12:15

**CC**

**CADCC1 Pre-Congress Course**

**Chairs:**
Gabriella Iohom (Cork, Ireland)
Andrzej Krol (London, United Kingdom)

**Working station 1: Head/Neck**
Morne Wolmarans (Norwich, United Kingdom)
Frederic Sage (Redhill, United Kingdom)

**Working station 2: Upper Limb**
Aasifa Tredray (London, United Kingdom)
Nigel Bedforth (Nottingham, United Kingdom)

**Working station 3: Abdominal Wall/Trunk**
James French (Nottingham, United Kingdom)
Teresa Parras (London, United Kingdom)

**Break**

**Working station 4: Lower Limb**
Khalid Syeed (London, United Kingdom)
Mark Crowley (Oxford, United Kingdom)

**Working station 5: Spine**
Anand Sardesai (Cambridge, United Kingdom)
Svetlana Galitzine (Oxford, United Kingdom)

**Working station 6: Soft cadaver needling**
Andrzej Krol (London, United Kingdom)
Tony Allan (Swindon, United Kingdom)

**Ask the anatomy experts**
Paul Carter - Anatomist - (London, United Kingdom)
Matt Szarko - Anatomist - (London, United Kingdom)

**Regional Anaesthesia on Cadavers**
**Friday, 27 May**

14:00 – 17:15

**CC**

**CADCC2 Pre-Congress Course**

**Chairs:**
Gabriella Iohom (Cork, Ireland)
Andrzej Krol (London, United Kingdom)

**Working station 1: Head/Neck**
Morne Wolmarans (Norwich, United Kingdom)
Frederic Sage (Redhill, United Kingdom)

**Working station 2: Upper Limb**
Aasifa Tredray (London, United Kingdom)
Nigel Bedforth (Nottingham, United Kingdom)

**Working station 3: Abdominal Wall/Trunk**
James French (Nottingham, United Kingdom)
Teresa Parras (London, United Kingdom)

**Break**
Working station 4: Lower Limb
Khalid Syeed (London, United Kingdom)
Mark Crowley (Oxford, United Kingdom)

Working station 5: Spine
Anand Sardesai (Cambridge, United Kingdom)
Svetlana Galitzine (Oxford, United Kingdom)

Working station 6: Soft cadaver needling
Andrzej Krol (London, United Kingdom)
Tony Allan (Swindon, United Kingdom)

Ask the anatomy experts
Paul Carter - Anatomist - (London, United Kingdom)
Matt Szarko - Anatomist - (London, United Kingdom)

Pre-Congress Course on ultrasound use in anaesthesia and critical care
**IMPORTANT NOTICE: access is limited to pre-registered delegates**

Chair:
Patrick Wouters (Ghent, Belgium)

Lectures and hands-on stations
Aamer Ahmed (Leicester, United Kingdom)
Johan Bence (Leicester, United Kingdom)
Dominique Bettex (Zurich, Switzerland)
Stefaan Bouchez (Ghent, Belgium)
Raoul Breitkreutz (Frankfurt, Germany)
Stefanie Bruemmer-Smith (Brighton, United Kingdom)
Henry Skinner (Nottingham, United Kingdom)
Aarne Feldheiser (Berlin, Germany)
Nick Fletcher (London, United Kingdom)
Fabio Guarracino (Pisa, Italy)
Ravi Hebballi (Leicester, United Kingdom)
Michael Sander (Giessen, Germany)
Erik Sloth (Aarhus, Denmark)*
Sascha Treskatsch (Berlin, Germany)
Stefan Weber (Bonn, Germany)
Patrick Wouters (Ghent, Belgium)
Peter Juhl-Olsen (Aarhus, Denmark)

European Patient Safety Course (EPSC)
**IMPORTANT NOTICE: access is limited to pre-registered delegates**

Chairs:
Marcus Rall (Reutlingen, Germany)*
Sven Staender (Männedorf, Switzerland)

Welcome and introduction to EPSC. Participants introduction round with sociometry and patient safety overview
Marcus Rall (Reutlingen, Germany)*
Johannes Wacker (Zurich, Switzerland)

The new ESA "Committee on patient safety and quality"
Johannes Wacker (Zurich, Switzerland)

Implementing the "Helsinki Declaration on Patient Safety" by ESA/EBA
Sven Staender (Männedorf, Switzerland)
"The case": introduction of the course
Marcus Rall (Reutlingen, Germany)*
Ralf Krage (Amsterdam, Netherlands)

The case: planning and preparing for patient safety
Johannes Wacker (Zurich, Switzerland)
Stephanie Oberfrank (Reutlingen, Germany)*

Human limitations... how errors evolve - how humans work...
Sven Staender (Männedorf, Switzerland)

Break

The case: patient safety in danger...the accident is about to happen
Ravi Prakash Mahajan (Nottingham, United Kingdom)
David Borshoff (Perth, Australia)

Human error countermeasures: the crisis resource management concept (CRM); the 15 CRM key points; recognising CRM in a clinical context
Stephanie Oberfrank (Reutlingen, Germany)*
Marcus Rall (Reutlingen, Germany)

The case in reporting system (CIRS): who would write what and then?
Daniel Arnal (Alcorcon, Spain)*

Reflection before lunch
Marcus Rall (Reutlingen, Germany)*

Lunch

The case: harm happened...
Helmut Trimmel (Wiener Neustadt, Austria)
Ravi Prakash Mahajan (Nottingham, United Kingdom)

The case: analysis of incidents and accidents and workshop analysis
Sven Staender (Männedorf, Switzerland)
Marcus Rall (Reutlingen, Germany)
Daniel Arnal (Alcorcon, Spain)*

Break

The case: taking actions for prevention, mitigation and amelioration
Filippo Bressan (Prato, Italy)
Ralf Krage (Amsterdam, Netherlands)
Johannes Wacker (Zurich, Switzerland)
Sven Staender (Männedorf, Switzerland)
Marcus Rall (Reutlingen, Germany)
Ravi Prakash Mahajan (Nottingham, United Kingdom)

Evaluation - future networking - certificates
Marcus Rall (Reutlingen, Germany)*
Johannes Wacker (Zurich, Switzerland)

Discussion with faculty
Johannes Wacker (Zurich, Switzerland)
Marcus Rall (Reutlingen, Germany)
Setting standards for the future of Target Controlled Infusion (TCI) - EuroSIVA 18th Annual Scientific Meeting
Pre-congress course organised by the European Society of Intravenous Anaesthesia (EuroSIVA)
**IMPORTANT NOTICE: access is limited to pre-registered delegates**

Welcome

Welcome and introduction
Stefan Schraag (Glasgow, United Kingdom)

Pharmacology in review – advances in 2016
Johan Raeder (Oslo, Norway)
Michel Struys (Groningen, Netherlands)*

The concept of integrated brain function monitoring
Anthony Absalom (Groningen, Netherlands)
Francisco Almeida Lobo (Porto, Portugal)*

Lessons from NAP5: recommendations and actions
Nick Sutcliffe (Doha, Qatar)
Luc Barvais (Brussels, Belgium)

Break

Target Controlled Infusion pumps: where to improve regulatory standards
Frank Engbers (Leiden, Netherlands)
Stefan Schraag (Glasgow, United Kingdom)

The future of Target Controlled Infusion: four short statements and panel discussion (recorded session)
Iain Glen (Knutsford, United Kingdom)

Feedback and closure

Basics of Intensive Care
**IMPORTANT NOTICE: access is limited to pre-registered delegates**

Chairs:
Sharon Einav (Jerusalem, Israel)
Ilona Bobek (Budapest, Hungary)

Introduction
Ilona Bobek (Budapest, Hungary)

Preventive medicine in intensive care
Sharon Einav (Jerusalem, Israel)

Acid base physiology
Patrick Neligan (Galway, Ireland)

Break

Non-invasive ventilation - Continuous positive airway pressure, bilevel positive airway pressure and high-flow nasal cannulas
Luigi Camporota (London, United Kingdom)

Setting up the ventilator - Intensive care ventilation modes
Marcelo Gama de Abreu (Dresden, Germany)*
Ventilation measures and measurements
Luigi Camporota (London, United Kingdom)

Invasive haemodynamic monitoring techniques
Mikhail Kirov (Arkhangelsk, Russian Federation)*

Lunch

Assessing oxygen debt at the bedside
Zsolt Molnar (Szeged, Hungary)

Non-invasive (ultrasound) assessment of cardiac function and fluid status
Daniel Talmor (Boston, United States)

Heart lung interactions
Fabio Guarracino (Pisa, Italy)

Break

Risk, prevention, recognition, grading and management
Ilona Bobek (Budapest, Hungary)

Renal replacement therapies
Marlies Ostermann (London, United States)

Empiric antibiotic therapy for severe infections - what should I give for what?
Claude Martin (Marseille, France)

Antimicrobial combination for severe infection
Ignacio Martin-Loeches (Dublin, Ireland)

What mistakes should I avoid with antibiotics?
Marc Leone (Marseille, France)*

Sepsis
Manu Shankar-Hari (London, United Kingdom)

Acute respiratory distress syndrome
Davide Chiumello (Milan, Italy)

Conclusions
Sharon Einav (Jerusalem, Israel)

Pre-Congress Course on intraoperative neuromonitoring: the basics and the evidence

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

Chairs:
Massimo Lamperti (Abu Dhabi, United Arab Emirates)
Federico Bilotta (Rome, Italy)

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

Consciousness: from sedation to deep anaesthesia
Jaideep Pandit (Oxford, United Kingdom)

Cerebral oximetry
Rafi Avitsian (Cleveland, United States)

Effects of anaesthetics on electroencephalogram
Anthony Absalom (Groningen, Netherlands)
Seun Akeju (Harvard, United States)
Electroencephalogram: the evidence
Lionel Velly (Marseille, France)

Trans-cranial doppler: the basics
Frank A. Rasulo (Brescia, Italy)

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

Problem-based learned discussions

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Ultrasound guided central venous access in neonates, infants and children

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

Chairs:
Mauro Pittiruti (Rome, Italy)
Nicola Disma (Genoa, Italy)

Introduction
Nicola Disma (Genoa, Italy)

Ultrasound anatomy of the veins of the arm and of the supra/infraclavicular area
Daniele G. Biasucci (Rome, Italy)

Ultrasound guidance in central venous access: guidelines, consensus and evidence from the literature
Massimo Lamperti (Abu Dhabi, United Arab Emirates)

Basic techniques of ultrasound-guided venipuncture
James Bennett (Birmingham, United Kingdom)*

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

Peripherally inserted central venous catheters in children
Daniele G. Biasucci (Rome, Italy)

Tip location of central venous access: intracavitary electrocardiogram, radiology, ultrasound
Mauro Pittiruti (Rome, Italy)

Insertion technique and infection prevention
Nicola Disma (Genoa, Italy)

Insertion technique and thrombosis prevention
Massimo Lamperti (Abu Dhabi, United Arab Emirates)

Lunch

Station 1 - Ultrasound visualization of peripheral veins of the arm
Mauro Pittiruti (Rome, Italy)

Station 2 - Ultrasound visualization of peripheral veins of the supra/infraclavicular area
James Bennett (Birmingham, United Kingdom)*

Session 3 - Ultrasound guided venipuncture
Nicola Disma (Genoa, Italy)

Station 4 - Intracavitary electrocardiogram for tip location
Mauro Pittiruti (Rome, Italy)
**Postgraduate course on patient-ventilator asynchrony**

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

**How do I detect and fix?**
Paolo Pelosi (Genoa, Italy)

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

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

**My most challenging cases**
Edmond Cohen (New York, United States)

**Spinal sonography symposium**

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

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

**Chairs:**
Atul Gaur (Leicester, United Kingdom)
Raja Reddy (Gillingham, United Kingdom)

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

**Learning to recognize spinal sonography – basic concepts**
Vijay Kumar (Scunthorpe, United Kingdom)
Karen Smyth (Oxfordshire, United Kingdom)

**Master class - Lumbar spine and paravertebral sonography for acute and chronic pain** *(including facet joint and medial branch blocks)*
Xavier Sala - Blanch (Barcelona, Spain)
Edward Lin (Leicester, United Kingdom)

**Lumbar spine sonography in obstetrics and obese patients – tricks of trade**
Ravi Nair (Broomfield, United Kingdom)

**Break**

**Thoracic spine, paravertebral sonography**
Irfan Raza (London, United Kingdom)
Raghavendran Krishnaiyan (London, United Kingdom)

**Basics of injection techniques and use of assist devices**
Atul Gaur (Leicester, United Kingdom)*
Kaddour Bouazza-Marouf (Loughborough, United Kingdom)

**Demonstration – Lumbar and thoracic spine and paraspinal ultrasound**
Dave Patel (Northampton, United Kingdom)
Nadir Sharawi (Basildon, United Kingdom)
Yuvraj Kukreja (Camberley, United Kingdom)
Veena Daga (Coventry, United Kingdom)

**Lunch and hands on experience - volunteers and phantom**

**Master class - Ultrasound guided cervical spine, medial branch and facet joint injection techniques**
Raja Reddy (Gillingham, United Kingdom)
**ASSESSW Workshop**

Sunday, 29 May
14:00 – 16:00

**Practical workshop on giving effective feedback to trainees based on workplace-based assessment in the busy environment of an operation room**

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

**Chair:**
Robert Greif (Bern, Switzerland)*

**Role play and debriefing**

John Kinnear (Southend, United Kingdom)
Michael Müller (Freiburg, Germany)
Georges Savoldelli (Geneva, Switzerland)
Arnd Timmermann (Berlin, Germany)*

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**GERW Workshop**

Sunday, 29 May
09:30 – 12:00

**Do's and don'ts; sedative and pain management of the elderly - Round-table cases and discussions**

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

**Chairs:**
Ulf Guenther (Bonn, Germany)
Peter Lee (Cork, Ireland)

**Introduction - Sedation guidelines in the ICU**
Ulf Guenther (Bonn, Germany)

**Introduction - Principals of perioperative pain**
Patricia Schofield (Cambridge, United Kingdom)

4 round-table cases and discussions - Two difficult to handle cases of sedation in ICU
Ulf Guenther (Bonn, Germany)
Valerie Page (Watford, United Kingdom)

4 round-table cases and discussions - Two cases of handling perioperative pain of the elderly
Peter Lee (Cork, Ireland)
Patricia Schofield (Cambridge, United Kingdom)

**Conclusions - Let's respect**
Valerie Page (Watford, United Kingdom)
### Thoracic anaesthesia hands-on workshop I

**Thoracic anaesthesia hands-on workshop I**

*Saturday, 28 May*

**09:00 – 12:00**

**Capital Suite 10**

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

**Double lumen tube or endobronchial blockers: which is the best device for my patient?**
Edmond Cohen (New York, United States)

**Lung protection and trouble-shooting of hypoxemia during one-lung ventilation**
Marcelo Gama de Abreu (Dresden, Germany)

**Hands-on demonstration**

<table>
<thead>
<tr>
<th>Station 1: Double lumen tubes</th>
<th>Marc-Joseph Licker (Geneva, Switzerland)</th>
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<td>Laszlo Szegedi (Brussels, Belgium)</td>
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<tr>
<th>Station 2: Endobronchial blockers 1</th>
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<tbody>
<tr>
<td>Andreas Gültnner (Dresden, Germany)</td>
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<td>Thomas Kiss (Dresden, Germany)</td>
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<th>Station 3: Endobronchial blockers 2</th>
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<tr>
<td>Nuzhet Mert Sentürk (Istanbul, Turkey)</td>
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<td>Giorgio Della Rocca (Udine, Italy)</td>
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<th>Station 4: Pediatric lung separation</th>
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<tr>
<td>Cesar Rodriguez-Diaz (New York, United States)</td>
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<td>Torsten Loop (Freiburg, Germany)</td>
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<th>Station 5: Analgesia 1 - Thoracic epidural anaesthesia</th>
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<tbody>
<tr>
<td>Manuel Granell Gil (Valencia, Spain)</td>
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<td>Thomas Hachenberg (Magdeburg, Germany)</td>
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<th>Station 6: Analgesia 2 - Paravertebral blocks</th>
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<tr>
<td>Oliver Vicent (Dresden, Germany)</td>
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<td>Attila Bondar (Budapest, Hungary)</td>
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<th>Station 7: Adult simulator</th>
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<tr>
<td>Andrew Goldberg (New York, United States)</td>
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<td>Alan Sim (New York, United States)</td>
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### Thoracic anaesthesia hands-on workshop II

**Thoracic anaesthesia hands-on workshop II**

*Saturday, 28 May*

**14:00 – 17:00**

**Capital Suite 10**

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

**Double lumen tube or endobronchial blockers: which is the best device for my patient?**
Edmond Cohen (New York, United States)

**Lung protection and trouble-shooting of hypoxemia during one-lung ventilation**
Marcelo Gama de Abreu (Dresden, Germany)

**Hands-on demonstration**

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

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

Station 4: Pediatric lung separation
Cesar Rodriguez-Diaz (New York, United States)
Torsten Loop (Freiburg, Germany)

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

Station 6: Analgesia 2 - Paravertebral blocks
Oliver Vicent (Dresden, Germany)
Attila Bondar (Budapest, Hungary)

Station 7: Adult simulator
Andrew Goldberg (New York, United States)
Alan Sim (New York, United States)

Ultrasound Guided Regional Anaesthesia I

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

Chair:
Gabriella Iohom (Cork, Ireland)

Blocks above the clavicle
Dara Breslin (Dublin, Ireland)

Blocks below the clavicle
Brian O’Donnell (Cork, Ireland)

Neuraxial and paravertebral blocks
Padraig Mahon (Cork, Ireland)

Blocks anterior to the hip (and transversus abdominis plane block)
Frank Loughnane (Cork, Ireland)

Blocks posterior to the hip
Stephen Mannion (Cork, Ireland)

Phantoms
Jack Barrett (Cork, Ireland)
**Ultrasound Guided Regional Anaesthesia II**

**Capital Suite 10**

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

**Blocks above the clavicle**
Xavier Capdevila (Montpellier, France)

**Blocks below the clavicle**
Herve Bouaziz (Nancy, France)*

**Neuraxial and paravertebral blocks**
Karthik Srivinasan (Dublin, Ireland)

**Blocks anterior to the hip (and transversus abdominis plane block)**
Didier Morau (Montpellier, France)

**Blocks posterior to the hip**
Szilard Szucs (Pécs, Hungary)

**Phantoms**
Leon Serfontein (Cork, Ireland)

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**Ultrasound Guided Regional Anaesthesia III**

**Capital Suite 10**

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

**Blocks above the clavicle**
Dara Breslin (Dublin, Ireland)

**Blocks below the clavicle**
Brian O’Donnell (Cork, Ireland)

**Neuraxial and paravertebral blocks**
Padraig Mahon (Cork, Ireland)

**Blocks anterior to the hip (and transversus abdominis plane block)**
Frank Loughnane (Cork, Ireland)

**Blocks posterior to the hip**
Stephen Mannion (Cork, Ireland)

**Phantoms**
Jack Barrett (Cork, Ireland)
Ultrasound Guided Regional Anaesthesia IV

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

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

**Blocks above the clavicle**
Xavier Capdevila (Montpellier, France)

**Blocks below the clavicle**
Herve Bouaziz (Nancy, France)*

**Neuraxial and paravertebral blocks**
Karthik Srivinasan (Dublin, Ireland)

**Blocks anterior to the hip (and transversus abdominis plane block)**
Didier Morau (Montpellier, France)

**Blocks posterior to the hip**
Szilard Szucs (Pécs, Hungary)

**Phantoms**
Leon Serfontein (Cork, Ireland)

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30th anniversary of the Regional Net for European Education in Anaesthesiology (FEEA/CEEA)

**Chairs:**
Carmen Gomar (Barcelona, Spain)
Philippe Scherpereel (Lille, France)
Anny Lam (Brussels, Belgium)

**The role of CEEA courses in harmonising Continuing Medical Education (CME) and Continuing Professional Development (CPD)**
Janusz Andres (Krakow, Poland)

**The updated format of CEEA courses**
Konstantin Lebedinskii (St. Petersburg, Russian Federation)

**What makes a good CEEA course?**
Charles Marc Samama (Paris, France)
<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Symposium</th>
<th>Room</th>
<th>Talks</th>
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| Sunday, 29 May | 15:45 – 17:15 | ESA Clinical Trial Network research in action: results | N Hall 3 | Chair: Wolfgang F. Buhre (Maastricht, Netherlands)*  

**OBTAIN: Occurrence of Bleeding and Thrombosis during Antiplatelet therapy in Non-cardiac surgery**
Simon J. Howell (Leeds, United Kingdom)

**APRICOT: Anaesthesia PRactice In Children Observational Trial European prospective multicentre observational study: epidemiology of severe critical events in Paediatric Anaesthesia**
Walid Habre (Geneva, Switzerland)

**POPULAR: POstanaesthesia PUmonary complications After use of muscle Relaxants in Europe A European prospective multicentre observational study**
Manfred Blobner (Munich, Germany)*  

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| Monday, 30 May | 15:45 – 17:15 | Safe paediatric anaesthesia | Capital Suite 1 | Chair: Tom Giedsing Hansen (Odense, Denmark)  

**Neurotoxicity and general anaesthesiology: the age issue**  
Andreas W. Loepke (Cincinnati, United States)  

**Perioperative neurotoxicity: the impact of surgery**  
Tom Giedsing Hansen (Odense, Denmark)  

**Anaesthesia-related neurotoxicity: why is it so difficult to demonstrate in humans**  
Laszlo Vutskits (Geneva, Switzerland)  

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| Sunday, 29 May | 14:00 – 15:30 | ESA research group PAINOUT: improvement in postoperative PAIN OUTcome | Capital Suite 14 |  

**PAIN OUT infant - a research and quality improvement network about perioperative pain in children**  
Ulrike Stamer (Bern, Switzerland)  

**Pain after C-section: what does really work and how do you get benefit from participating in PAINOUT?**  
Sean Chetty (Bedfordview, South Africa)*  

**Learning from each other - international examples for best practice in postoperative pain management**  
Ruth Zaslansky (Jena, Germany)
ESAS5  Symposium  
Sunday, 29 May 
08:30 – 10:00 

**ESA research groups in action** 

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

**EuroSTAR: European Safe Tots Anaesthesia Research Task Force** 
Tom Giedsing Hansen (Odense, Denmark)

**PAINOUT: Improvement in Postoperative PAIN OUTcome** 
Winfried Meissner (Jena, Germany)

**PROVENet: PROtective Ventilation Network** 
Paolo Pelosi (Genoa, Italy)

ESAS6  Symposium  
Saturday, 28 May 
16:00 – 17:00 

**The Eisenach guidelines for neuraxial drug administration** 
Symposium organised by the European Journal of Anaesthesiology (EJA)

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

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

ESAS7  Symposium  
Monday, 30 May 
10:30 – 12:00 

**Meet the Editors-in-Chief** 
Symposium organised by the European Journal of Anaesthesiology (EJA)

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

**Five simple things you can do to optimize your chances of acceptance** 
Hilary P. Grocott (Winnipeg, Canada)

**How to get your manuscript rejected** 
Jonathan Thompson (Leicester, United Kingdom)*

**Should we abandon the use of P values in anaesthesia publications?** 
Neville Gibbs (Nedlands, Australia)

**Why journals want 95% confidence Intervals** 
Andrew Davidson (Parkville, Australia)

**Detecting scientific fraud - Should anaesthetic journals be taking the lead?** 
Andrew Klein (Cambridge, United Kingdom)

**Reporting of biomedical research using laboratory animals** 
Michael Haney (Umeå, Sweden)

**Panel discussion**
**The future of accreditation....where should we go?**
Symposium organised by The Hospital Visiting and Training Accreditation Programme (HVTAP) joint Committee formed by the European Society of Anaesthesiology (ESA) and the European Board of Anaesthesiology (EBA)

**Chairs:**
Elisabeth Van Gessel (Geneva, Switzerland)
Benedikt H. J. Pannen (Düsseldorf, Germany)

- **Hospital Visitation or Appraisal and Accreditation of European Training requirements:**
  - the 1997 UEMS charter
  - Edwin Miles Borman (Shrewsbury and Telford, United Kingdom)

- **How to ensure access to training and the right balance between core curriculum and multidisciplinary requirements?**
  - Lennart Christiansson (Uppsala, Sweden)

- **How to put emphasis on activities per trainee (optimal balance between practical patient work (learn by doing), simulation and theoretical courses)?**
  - Klaus Olkkola (Helsinki, Finland)

- **What professional qualifications should we aim for?**
  - Thomas J. Sieber (Chur, Switzerland)

---

**The role of national anaesthetic audits**
Symposium organised in collaboration with the Association of Anaesthetists of Great Britain and Ireland (AAGBI)

**Chair:**
Michael Nathanson (Nottingham, United Kingdom)

- **The national emergency laparotomy audit: improving patient care**
  - Dave Murray (Middlesbrough, United Kingdom)*

- **Anaesthetic sprint audit of practice (ASAP) for hip fracture patients**
  - Richard Griffiths (Peterborough, United Kingdom)

- **What have national anaesthetic audits (NAP) done for my patients?**
  - Iain Moppett (Nottingham, United Kingdom)

---

**Evolving guidelines on the management of major bleeding and coagulopathy following trauma: what’s new?**
Symposium organised in collaboration with the Task Force for Advanced Bleeding Care in Trauma (ABC-T)

**Chairs:**
Daniela Filipescu (Bucharest, Romania)
Rolf Rossaint (Aachen, Germany)*

- **Welcome and introduction**
  - Rolf Rossaint (Aachen, Germany)*

- **Evolving principles of management in the bleeding trauma patient**
  - Daniela Filipescu (Bucharest, Romania)
Haemodynamic and coagulation support in the bleeding trauma patient
Rolf Rossaint (Aachen, Germany)*

Evolving surgical strategies in the bleeding trauma patient
Arthur Schultz (Vienna, Austria)

Monitoring and treatment of trauma patients pre-treated with novel oral anticoagulants
Donat Spahn (Zurich, Switzerland)*

Adaptation of guiding principles, implementation and quality assessment
Bertil Bouillon (Cologne, Germany)*

Questions and panel discussion

Closing remarks
Daniela Filipescu (Bucharest, Romania)

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Professional stress in anaesthesiology
Capital Suite 2

Sunday, 29 May
15:45 – 17:15

Chair:
Marcel Vercauteren (Edegem, Belgium)

Is anaesthesia a stressful profession?
Gabriel Gurman (Beer Sheva, Israel)

The road to burnout and how to manage it
Pablo Rama-Maceiras (Coruña, Spain)

Well-being of anaesthesiology: health, happiness and quality of life?
Miodrag Milenovic (Belgrade, Serbia)

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History of anaesthesiology
Capital Suite 14

Monday, 30 May
15:00 – 16:30

Chair:
David Wilkinson (Bishops Stortford, United Kingdom)

Neither a borrower nor a lender be: the correspondence of Joseph Clover
Christine Ball (Melbourne, Australia)

The European elucidation of respiratory physiology 1872-1922
Alistair McKenzie (Edinburgh, United Kingdom)

That’s the way to do it
Peter Featherstone (Cambridge, United Kingdom)
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<tr>
<th>Symposium</th>
<th>Date</th>
<th>Time</th>
<th>Title</th>
<th>Organisers</th>
<th>Chairs/CME Platforms/Mentoring/People/Work/Wellbeing</th>
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<tr>
<td>ESAS15</td>
<td>Sunday, 29 May</td>
<td>08:30 – 10:00</td>
<td>The role of membership organisations</td>
<td>Symposium organised in collaboration with the Association of Anaesthetists of Great Britain and Ireland (AAGBI)</td>
<td>Chair: Michael Nathanson (Nottingham, United Kingdom) CME platforms: learn@aagbi Samantha Shinde (London, United Kingdom)</td>
<td>Mentoring of anaesthetists Nancy Redfern (London, United Kingdom) People, work and wellbeing: misaligned expectations Kathleen Ferguson (London, United Kingdom)</td>
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<td>ESAS16</td>
<td>Monday, 30 May</td>
<td>08:30 – 10:00</td>
<td>All you ever wanted to know about clinical guidelines....</td>
<td>Symposium organised in collaboration with the European Board of Anaesthesiology (EBA)</td>
<td>Chairs: Goetz Geldner (Ludwigsburg, Germany) Elisabeth Van Gessel (Geneva, Switzerland)</td>
<td>Is it useful to make guidelines and who reads them? Sibylle Kozek Langenecker (Vienna, Austria) How do you ensure their implementation? Albert Urwyler (Basel, Switzerland) What are the responsibilities of the departments in the application of guidelines? Claudia Spies (Berlin, Germany) Is there any evidence that finally we change anything with guidelines? Goetz Geldner (Ludwigsburg, Germany)</td>
<td>N Hall 1</td>
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<tr>
<td>ESAS17</td>
<td>Monday, 30 May</td>
<td>15:45 – 17:15</td>
<td>Clinical reasoning: is it the forgotten part of Patient Safety?</td>
<td>Symposium organised by the National Anaesthesiologists Societies Committee (NASC)</td>
<td>Chairs: Dan Longrois (Paris, France)* Johannes Wacker (Zurich, Switzerland) Michael Ramsay (Dallas, United States)*</td>
<td>Clinical reasoning, the diagnostic process and patient safety in anaesthesiology and critical care medicine Sven Staender (Männedorf, Switzerland) The American Society of Anesthesiologists perspective on the Institute of Medicine 2015 report: Improving Diagnosis in Health Care Fred Shapiro (Boston, United States) The educational strategy to improve clinical reasoning: how ESA could interact with national anaesthesiology societies Dan Longrois (Paris, France)*</td>
<td>Capital Suite 7</td>
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</tbody>
</table>
### ESA Trainee Network (ESA TN): organisation and next steps

**Capital Suite 7**

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

**ESA TN position within the ESA structure**
Andreas Sandner-Kiesling (Graz, Austria)

**ESA TN policies main messages. ESA TN survey results**
Diogo Sobreira Fernandes (Porto, Portugal)

**What can ESA do to address the trainee’s needs?**
Zeev Goldik (Haifa, Israel)

### ESA Trainee Network (ESA TN): networking with the experts about sepsis

**Capital Suite 1**

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

**Sepsis: what is new?**
Mervyn Singer (London, United Kingdom)

**My patient has sepsis...what should I do now?**
Zsolt Molnar (Szeged, Hungary)

**My septic patient has been admitted to the ICU: monitoring volume and fluid responsiveness**
Jean-Louis Teboul (Paris, France)*

### Sir Robert Macintosh Lecture

**Plenary Auditorium**

**Chair:** Zeev Goldik (Haifa, Israel)

**Important elements of a quality and safety culture at the department level**
Sven Erik Gisvold (Trondheim, Norway)

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

**Auditorium 1**

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

**Speaker**
Zsolt Molnar (Szeged, Hungary)
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<tr>
<td>ESAL3</td>
<td>Monday, 30 May</td>
<td>14:00 – 14:45</td>
<td>Hot Topics in Anaesthesiology - Last 12 months' top publications</td>
<td>Auditorium 1</td>
<td>Charles Marc Samama (Paris, France)</td>
<td>Stefan De Hert (Ghent, Belgium)</td>
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<tr>
<td>ESAL4</td>
<td>Monday, 30 May</td>
<td>09:30 – 10:15</td>
<td>Hot Topics in Pain Medicine - Last 12 months' top publications</td>
<td>Auditorium 1</td>
<td>Marco Abraham Marcus (Maastricht, Netherlands)</td>
<td>Esther Pogatzki-Zahn (Muenster, Germany), Jan Van Zundert (Genk, Belgium)</td>
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<td>ESAL5</td>
<td>Sunday, 29 May</td>
<td>14:00 – 14:45</td>
<td>Hot Topics in Emergency Medicine - Last 12 months' top publications</td>
<td>Auditorium 1</td>
<td>Karl-Christian Thies (Birmingham, United Kingdom)</td>
<td>Eldar Søreide (Stavanger, Norway)</td>
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<tr>
<td>ESAL6</td>
<td>Sunday, 29 May</td>
<td>15:00 – 15:45</td>
<td>Cognitive computing and disruptive technology</td>
<td>Auditorium 1</td>
<td>Daniel Sessler (Cleveland, United States)</td>
<td>Steven L. Shafer (Stanford, United States)</td>
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<tr>
<td>ESAL7</td>
<td>Sunday, 29 May</td>
<td>15:45 – 16:30</td>
<td>Update of the ESA Guidelines on severe bleeding</td>
<td>Capital Suite 7</td>
<td>Jakob Stensballe (Copenhagen, Denmark)</td>
<td>Sibylle Kozek Langenecker (Vienna, Austria)*</td>
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ESAL8 Lecture  
Saturday, 28 May  
16:00 – 16:45  

ESA Guidelines: prevention of venous thromboembolism in anaesthesia and intensive care  

Chair:  
Aamer Ahmed (Leicester, United Kingdom)*  

Speaker:  
Charles Marc Samama (Paris, France)*  

GUEST SESSIONS

GUEST1 Symposium  
Sunday, 29 May  
14:00 – 15:30  

Recognizing patterns and practices contributing to regional anesthesia complications  
Symposium organised by the American Society of Anesthesiologists (ASA)  

Chair:  
Brenda Gentz (Tucson, United States)  

Neurologic complications of neuraxial anaesthesia in obstetrics  
David Wlody (Brooklyn, United States)  

Peripheral nerve block complications: from nerve stimulation to ultrasound  
Brenda Gentz (Tucson, United States)  

Injury and liability with regional anaesthesia: lessons from closed claims  
Karen Domino (Seattle, United States)  

GUEST2 Symposium  
Sunday, 29 May  
10:30 – 12:00  

Anaesthesia practice in China. What we are doing?  
Symposium organised by the Chinese Society of Anesthesiology (CSA)  

Chair:  
Zeev Goldik (Haifa, Israel)  

Remifentanil induced hyperanalgesia from basic to clinical aspect  
Guo-lin Wang (Beijing, China)  

Perioperative transfusion, from liberal to restrictive and finally to individualized strategy  
Jin Liu (Chengdu, China)  

General anaesthetics-context dependent modulator of neural plasticity  
Haiyun Wang (Tianjin, China)
Safety in the Intensive Care Unit
Symposium organised by the European Society of Intensive Care Medicine (ESICM)

**Chairs:**
Andreas Valentin (Schwarzach, Austria)
Sharon Einav (Jerusalem, Israel)

**How safe is your Intensive Care Unit?**
Andreas Valentin (Schwarzach, Austria)

**Medication errors: human factors versus clinical information systems**
Jozef Kesecioglu (Utrecht, Netherlands)*

**Quality indicators improve safety**
Hans Kristian Flaatten (Bergen, Norway)

The use of modern brain science to understand anesthesia and brain recovery from coma
Symposium organised by the International Anaesthesia Research Society (IARS)

**Chair:**
Christian Werner (Mainz, Germany)*

**Neural circuit dynamics in the anaesthetised brain**
Emery Brown (Boston, United States)

**A general mesocircuit model for recovery of brain function after coma**
Nicholas Schiff (New York, United States)

**Precision medicine approaches to the taxonomy of disorders of consciousness**
David Menon (Cambridge, United Kingdom)

Competences of European nurse anaesthesists and training requirements
Symposium organised by the International Federation of Nurse Anaesthetists (IFNA)

**Chairs:**
Charles Marc Samama (Paris, France)
Marianne Riesen (Schaffhausen, Switzerland)

**The European solution for the anaesthesia team and the American approach**
Johannes Th. A. Knape (Utrecht, Netherlands)

**Quality solutions for anaesthesia for the aging population in Europe at an affordable price**
Jannicke Mellin-Olsen (Rud, Norway)

**Harmonisation of basic training for non-physician anaesthesia providers in Europe?**
Marianne Riesen (Schaffhausen, Switzerland)
Improving outcomes for perioperative elderly patients: a problem-based approach
Symposium organised by the New York State Society of Anesthesiologists (NYSSA)

Chair:
Richard Beers (Syracuse, United States)

The approach to perioperative care of the elderly patient
Richard Beers (Syracuse, United States)

General anaesthesia and sedation for the elderly patient
Audree Bendo (Brooklyn, United States)

Regional anaesthesia for the elderly patient
Andrew Rosenberg (New York, United States)

Trauma, critical care, and emergency-care anaesthesiology: a new paradigm for the “acute care” anaesthesiologist?
Symposium organised by the Trauma Anesthesiology Society (TAS)

Chair:
Carin Hagberg (Houston, United States)

Why we need the acute care anaesthesiologist
Maureen McCunn (Baltimore, United States)

The development of the acute care anaesthesia team: evolution, outcomes, practices and pitfalls in a Swiss model
Catherine Heim (Lausanne, Switzerland)

U.S. and European vision of acute care anaesthesiology: best of the two systems...what the data tells us
Romain Pirracchio (San Francisco, United States)

Anaesthesia and care in Endemic Highly Infectious Diseases (EHID)
Symposium organised by the World Federation of Societies of Anaesthesiology (WFSA)

Chairs:
Davy Cheng (London, Canada)*
Philippe Scherpereel (Lille, France)

Impact of endemic highly infectious diseases (EHID) : HIV, SARS, EBOLA... on anaesthesia and surgery care
Meena Nathan Cherian (Geneva, Switzerland)

Guidelines on anaesthesia and surgery care in EHID including obstetrics
Davy Cheng (London, Canada)*

Lessons learned from EHID management on perioperative healthcare workers
Jenny Stedmon (Brisbane, Australia)
### Looking further – Anaesthesia and outcome

**Symposium organised by the European Society of Intravenous Anaesthesia (EuroSIVA)**

**Location:** Capital Suite 7

**Chair:** Stefan Schraag (Glasgow, United Kingdom)

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<td>Anaesthetic agents and cancer</td>
<td>Daqing Ma (London, United Kingdom)</td>
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<td>Organ protection revisited</td>
<td>Mike Irwin (Hong Kong, Hong Kong)*</td>
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<tr>
<td>Lidocain: pain and inflammation</td>
<td>Alain Borgeat (Zurich, Switzerland)</td>
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**Panel discussion**

### Perioperative management of the liver surgery patient - Symposium organised by Liver Intensive Care Group of Europe (LICAGE)

**Location:** Capital Suite 1

**Chairs:** Susan Mallett (Watford, United Kingdom)  
Alistair Lee (London, United Kingdom)

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<th>Speaker</th>
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<td>Introduction</td>
<td>Gianni Biancofiore (Pisa, Italy)</td>
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<td>Pre-operative workout of the cirrhotic patient</td>
<td>Koen Reyntjens (Groningen, Netherlands)</td>
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<tr>
<td>Intraoperative management</td>
<td>Catherine Paugam (Paris, France)</td>
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<tr>
<td>Postoperative management</td>
<td>Fuat Saner (Essen, Germany)*</td>
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<tr>
<td>Liver surgery: what an anaesthetist needs to know</td>
<td>Brian Davidson (London, United Kingdom)</td>
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</table>
How has ultrasound changed the safety in paediatric anesthesia?
Symposium organised by the Society for Ultrasound in Anaesthesia (SUA)

Capital Suite 14

Chairs:
Rishi Diwan (Liverpool, United Kingdom)
Dario Galante (Foggia, Italy)

Ultrasound paediatric regional anaesthesia: pro
Alberto Benigni (Bergamo, Italy)

Ultrasound paediatric regional anaesthesia: con
Viviana Prussiani (Bergamo, Italy)

Ultrasound guided rectus sheath block in children: an update
Nicole Almenrader (Rome, Italy)

Use of trans oesophageal echocardiography in cardiac/non cardiac pediatric patients
Philip Arnold (Liverpool, United Kingdom)

Discussion and conclusions

First Brazilian meeting SBA-ESA
Symposium organised by the Brazilian Society of Anesthesiology (SBA)

South Gallery Room 27

Chair:
Rogean Rodrigues Nunes (Ceará, Brazil)

Strategic planning for 2016
Érick Freitas Curi (Espírito Santo, Brazil)

European Society of Anaesthesiology –Brazilian Society of Anesthesiology
Zeev Goldik (Haifa, Israel)

Brazilian consensus on anaesthetic depth monitoring
Rogean Rodrigues Nunes (Ceará, Brazil)

Obstetric anaesthesia in Brazil
Marcelo Abramides Torres (São Paulo, Brazil)

Blood and coagulation management in acute trauma
Roseny dos Reis Rodrigues (São Paulo, Brazil)*

The anaesthesiologist as a second victim: how Brazilian society is dealing with this problem
Augusto Key Karazawa Takashima (Santa Catarina, Brazil)

Prevention of postoperative hyperalgesia
Gualtier Lisboa Ramalho (Paraiba, Brazil)

Effect of magnesium sulphate on sugammadex reversal time for neuromuscular blockade
Ismar Lima Cavalcanti (Rio de Janeiro, Brazil)*

Perioperative echocardiography: highlights
Marcello Fonseca Salgado Filho (Minas Gerais, Brazil)

Perioperative risk stratification: a proposal of a risk model for the perioperative care improvement
Luciana Cadore Stefani (Rio Grande do Sul, Brazil)
Update in anaesthesia
Symposium organised by the Brazilian Society of Anesthesiology (SBA)

Chair:
Claudia Marquez Simões (São Paulo, Brazil)

An update to the sciatic nerve block by the gluteus-femoral sulcus route
Neuber Martin Fonseca (Minas Gerais, Brazil)

Airway assessment and head and neck surgery
Claudia Marquez Simões (São Paulo, Brazil)

Anaesthesia and cancer recurrence. Is there enough evidence?
Ana Cristina Pinho Mendes Pereira (Rio de Janeiro, Brazil)*

Late Breaking Abstract Session

Saturday, 28 May
15:45 – 17:15

Best Abstract Prize Competition (BAPC)
Sunday, 29 May
14:00 – 16:00

BAPC-1
Respiratory complications in infants undergoing general anaesthesia: laryngeal mask airway versus endotracheal tube - a randomised controlled trial
von Ungern-Sternberg B.S., Drake-Brockman T., Zhang G., Ramgolam A.

BAPC-3
Preoperative geriatric conditions as predictors of surgical outcomes in fourth-age patients

BAPC-2
Which anesthesia regimen is best to reduce morbidity and mortality in lung surgery?
A multicentre randomized controlled trial
Bonvini J.M., Neff T., Stüber F., Seeberger M., Filipovic M., Beck Schimmer B.

BAPC-4
Sevoflurane, not propofol, during lung resection surgery reduces the incidence of postoperative pulmonary complications. A randomized controlled trial
Galve A.I., Chamorro E., Piñeiro P., Garutti I., Vara E., De la Gala F.

BAPC-6
A novel proteomic analytic approach to identify potential biomarkers of perioperative acute kidney injury and failure
Mundangepfupfu T., Yin X., Clark J., Mayr M., Marber M., Kunst G.

BAPC-5
Evaluation of ultrasonographic thyrohyoid distance measurement for prediction of difficult intubation and prediction of pediatric endotracheal tube size by ultrasonography
Hamamcıoğlu E.A., Altiparmak F., Kendigelen P., Erbabacan Ş.E., Ekici B., Tütüncü Ç.
**Young Teaching Recognition Award (Eastern and Western)**

**PC**

Sunday, 29 May

09:30 – 12:00

*Capital Suite 11*

**Chairs:**
Andreas Sandner-Kiesling (Graz, Austria)
Dan Longrois (Paris, France)
Gabriella Iohom (Cork, Ireland)
Thomas W.L. Scheeren (Groningen, Netherlands)

**Perioperative fluid management (Eastern European Countries)**
Svetlana Plamadeala (Chisinau, Republic of Moldova)

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

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

**Widening participation in anaesthesia (Western European Countries)**
Samina Chowdhury (Bradford, United Kingdom)

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**Sodium channels: targets for both local and general anaesthetics**

*RC01RC1 Refresher Course*

Monday, 30 May

14:00 – 14:45

*Capital Suite 12*

**Chair:**
Philipp Lirk (Amsterdam, Netherlands)

**Speaker**
Hugh C. Hemmings (New York, United States)*

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**Role of pharmacogenetics in anaesthesia and intensive care medicine**

*RC01RC2 Refresher Course*

Saturday, 28 May

16:00 – 16:45

*N Hall 3*

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

**Speaker**
Markus Paulmichl (Salzburg, Austria)
Synaptic mechanisms of anaesthesia

Chair: Markus W. Hollmann (Amsterdam, Netherlands)

Speaker: Hugh C. Hemmings (New York, United States)*

Nitrous oxide - myths and facts

Chair: Markus W. Hollmann (Amsterdam, Netherlands)

Speaker: Ragnar Huhn (Dusseldorf, Germany)

Inhaled anaesthetics: complexities overlooked - things may not be what they seem

Chair: Markus W. Hollmann (Amsterdam, Netherlands)

Speaker: Jan Hendrickx (Aalst, Belgium)*

The challenge of treating bleeding during treatment with new oral anticoagulants

Chair: Stefan De Hert (Ghent, Belgium)

Speaker: Agnese Ozolina (Riga, Latvia)

Measuring depth of anaesthesia: closing in on the holy grail?

Chair: Jan Hendrickx (Aalst, Belgium)

Advanced interaction pharmacokinetic/pharmacodynamic modeling obviates electroencephalogram-monitoring

Hugo Vereecke (Groningen, Netherlands)

Electroencephalogram depth of anaesthesia monitoring: mechanism-based parameters and integration of clinical parameters

Gerhard Schneider (Wuppertal, Germany)*

Analgesia monitoring: can we tease it out?

Emmanuel Boselli (Lyon, France)*
**01S2 Symposium**

Sun, 29 May
10:30 – 12:00

**Neuromuscular block depth: rare, medium, or well done?**

**N Hall 1**

**Chair:**
Jan Hendrickx (Aalst, Belgium)

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**How to measure it?**
Thomas Fuchs-Buder (Nancy, France)*

---

**Deep block for laparoscopic surgery?**
Mona Gatke (Copenhagen, Denmark)*

---

**Neostigmine or sugammadex?**
Guy Cammu (Aalst, Belgium)*

**01S3 Symposium**

Mon, 30 May
08:30 – 10:30

**Use and abuse of neuromuscular blocking agents (NMBAs)**

**Capital Suite 12**

**Chair:**
Radmilo Jankovic (Nis, Serbia)

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**Is complete muscular relaxation mandatory for intubation or can NMBAs and their associated complications be avoided by omitting them?**
Matthias Eikermann (Boston, United States)*

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**Optimal monitoring of neuromuscular blockade onset time: which technique, which muscle and which pattern**
Radmilo Jankovic (Nis, Serbia)

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**Does deep neuromuscular blockade improve surgical conditions?**
Manfred Blobner (Munich, Germany)*

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**How to avoid postoperative residual neuromuscular blockade**
Heidrun Fink (Munich, Germany)*

**01S4 Symposium**

Mon, 30 May
15:00 – 17:00

**Is multimodal anaesthesia the "New Balanced Anaesthesia"?**

**N Hall 2**

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

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**Intraoperative methadone: a rediscovery**
Evan D. Kharasch (St. Louis, United States)*

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**A pharmacological view on multimodal anaesthesia**
Anthony Dickenson (London, United Kingdom)

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**Clinical application of multimodal anaesthesia**
Jörgen Bruhn (Nijmegen, Netherlands)
New strategies in fluid therapy

Chair:
Aamer Ahmed (Leicester, United Kingdom)

Microcirculation guided fluid therapy
Dan Martin (London, United Kingdom)

Cristalloids versus colloids: what can guidelines tell us?
Gernot Marx (Aachen, Germany)*

Artificial blood substitutes: any progress?
Aamer Ahmed (Leicester, United Kingdom)

Evidence versus clinical practice - two sides of one coin

Chair:
Berthold Bein (Hamburg, Germany)

The gap between evidence and daily clinical practice
Andrew Smith (Lancaster, United Kingdom)

How do we change behavior - with money, media or training?
Monty Mythen (London, United Kingdom)*

BIBO: "Better In - Better Out": how to optimise a patient for anaesthesia and surgery

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

Comprehensive preoperative assessment
Massimo Lamperti (Abu Dhabi, United Arab Emirates)

Physical "pre-habilitation" of patients: the Maastricht concept of BIBO
Nico Van Meeteren (Maastricht, Netherlands)

Preoperative pharmacological optimisation
Michel Struys (Groningen, Netherlands)

O₂, anybody?

Chair:
Emmanuel Boselli (Lyon, France)

O₂, anybody? Machine standards fail to prevent inspired hypoxic mixture formation
Jan Hendrickx (Aalst, Belgium)

Machine standards: who writes them, and who should?
David H. T. Scott (Edinburgh, United Kingdom)*
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<td>01L1</td>
<td>Saturday, 28 May 16:00 – 16:45</td>
<td>Perioperative coagulation monitoring: challenges with new oral anticoagulants</td>
<td>N Hall 4</td>
<td>Jakob Stensballe (Copenhagen, Denmark)</td>
<td>Beverly Hunt (London, United Kingdom)</td>
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<tr>
<td>01L2</td>
<td>Monday, 30 May 08:30 – 09:15</td>
<td>Albumin revisited</td>
<td>Auditorium 1</td>
<td>Markus W. Hollmann (Amsterdam, Netherlands)</td>
<td>Christian Von Heymann (Berlin, Germany)</td>
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<td>01L3</td>
<td>Monday, 30 May 14:00 – 14:45</td>
<td>Pre, intra and postoperative temperature management</td>
<td>Capital Suite 2</td>
<td>Anthony Absalom (Groningen, Netherlands)</td>
<td>Leif Saager (Cleveland, United States)*</td>
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<td>01L4</td>
<td>Saturday, 28 May 08:30 – 09:15</td>
<td>Myocardial injury: the leading cause of postoperative death</td>
<td>N Hall 2</td>
<td>Andreas Hoeft (Bonn, Germany)</td>
<td>Daniel Sessler (Cleveland, United States)</td>
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<tr>
<td>01L5</td>
<td>Sunday, 29 May 09:30 – 10:15</td>
<td>Zeitgeist and anaesthetic mechanisms: why we know so much and understand so little?</td>
<td>N Hall 1</td>
<td>Markus W. Hollmann (Amsterdam, Netherlands)</td>
<td>Michael Perouansky (Madison, United States)</td>
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</tbody>
</table>
Beta blockers in septic patients: Pro-Con

Chair:
Marc Moritz Berger (Salzburg, Austria)

Pro
Andrea Morelli (Rome, Italy)

Con
Martin Dünser (Salzburg, Austria)

Opioid free anaesthesia: Pro-Con

Chair:
Jan Paul Mulier (Bruges, Belgium)

Pro
Marc De Kock (Brussels, Belgium)

Con
Martin Söhle (Bonn, Germany)

Massive transfusion and the 1:1:1 approach: Pro-Con

Chair:
Christa Boer (Amsterdam, Netherlands)*

Pro
Jakob Stensballe (Copenhagen, Denmark)

Con
Herbert Schöchl (Mattsee, Austria)*
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<th>Chair</th>
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<td>Saturday, 28 May 10:15 – 11:00</td>
<td>Capital Suite 1</td>
<td>How to set up a programme for antiemetic prophylaxis and postoperative analgesia in ambulatory care?</td>
<td>Chair: Claude Meistelman (Nancy, France)</td>
<td>Speaker Johan Raeder (Oslo, Norway)</td>
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<td>Monday, 30 May 14:00 – 14:45</td>
<td>Capital Suite 14</td>
<td>Paediatric ambulatory anaesthesia: an update</td>
<td>Chair: Thomas Fuchs-Buder (Nancy, France)</td>
<td>Speaker Martin Jöhr (Luzern, Switzerland)</td>
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<tr>
<td>Saturday, 28 May 14:00 – 15:30</td>
<td>Capital Suite 12</td>
<td>Procedural sedation in ambulatory anaesthesia</td>
<td>Chair: Michel Struys (Groningen, Netherlands)*</td>
<td>Procedural sedation: UK experience</td>
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<td>Drug selection for ambulatory procedural sedation: does it make a difference?</td>
<td>Michel Struys (Groningen, Netherlands)*</td>
<td>Drug selection for ambulatory procedural sedation: does it make a difference?</td>
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<td>Required competencies for procedural sedation</td>
<td>Massimo Lamperti (Abu Dhabi, United Arab Emirates)</td>
<td>Required competencies for procedural sedation</td>
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<td>Saturday, 28 May 08:30 – 09:15</td>
<td>Capital Suite 7</td>
<td>Perioperative management of the obese ambulatory surgery patient</td>
<td>Chair: Charles Marc Samama (Paris, France)</td>
<td>Speaker Beverly K. Philip (Boston, United States)</td>
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Meet the Expert  
Sunday, 29 May  
09:30 – 10:30  
Challenges in ambulatory anaesthesia: recovery, discharge and post-discharge follow up  
Capital Suite 2

Chair:  
Claude Meistelman (Nancy, France)

Recovery and discharge after ambulatory anaesthesia  
Jan Jakobsson (Stockholm, Sweden)*

Smart tools for post discharge follow up  
Didier Sirieix (Paris, France)*

REGIONAL ANAESTHESIA  
Learning Track 3

Refresher Course  
Sunday, 29 May  
08:30 – 09:15  
State-of-the-art lower limb blocks  
Capital Suite 2

Chair:  
Jens Kessler (Heidelberg, Germany)

Speaker  
Tim Maecken (Bochum, Germany)

Symposium  
Monday, 30 May  
08:30 – 10:00  
Current trends in analgesia of the thoracic and abdominal walls  
Capital Suite 14

Chair:  
Alparslan Apan (Giresun, Turkey)

Paravertebral block  
Brian Kinirons (Galway, Ireland)

Tranversus abdominis plane block  
John McDonnell (Galway, Ireland)

Pectoral nerves block  
Xavier Sala - Blanch (Barcelona, Spain)
### Symposium 03S2
**Regional anaesthesia in the ambulatory setting**

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

**Ultrashort spinal anaesthesia**
Timo Palas (Biel, Switzerland)*

**Upper limb blocks**
Eric Albrecht (Lausanne, Switzerland)

---

### Lecture 03L1
**The economics of regional versus general anaesthesia in the ambulatory setting**

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

**Speaker**
José Alejandro Aguirre (Zurich, Switzerland)

---

### Pro & Con Debate 03D1
**Cancer recurrence and regional anaesthesia: Pro-Con**

**Chair:** Philipp Lirk (Amsterdam, Netherlands)

**Regional anaesthesia does prevent cancer recurrence**
Donal J. Buggy (Dublin, Ireland)*

**Regional anaesthesia does not prevent cancer recurrence**
William Harrop-Griffiths (London, United Kingdom)

---

### Pro & Con Debate 03D2
**Perineurial dexamethasone as adjunct to local anaesthetics: Pro-Con**

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

**Pro**
Sébastien Bloc (Quincy-Sous-Sénart, France)

**Con**
Matthias Desmet (Kortrijk, Belgium)
The Geraldine O'Sullivan Lecture - General anaesthesia for cesarean section: modern approaches

Chair:
Nuala Lucas (London, United Kingdom)

Speaker
Marc Van de Velde (Leuven, Belgium)

Future standard practice or only temporary trends?

Chair:
Marc Van de Velde (Leuven, Belgium)

Is programmed intermittent epidural bolus really better and safer than classical patient-controlled epidural analgesia?
Michela Camorcia (Rome, Italy)

Should we omit pre-load, co-load and surely starches?
Frédéric Mercier (Clamart, France)*

Remifentanil in obstetric analgesia and anaesthesia: an increasingly prominent place?
Peter Kranke (Wurzburg, Germany)

Life-threatening complications in the parturient

Chair:
Alexander Ioscovich (Jerusalem, Israel)

Amniotic fluid embolism: from diagnosis to up-to-date treatment
Estelle Morau (Montpellier, France)

Anaphylaxis during labour and caesarean section: two lives at risk
Marcel Vercauteren (Edegem, Belgium)

Should catastrophe ‘simulation’ in obstetric anaesthesia be ‘stimulated’?
Antoine Tesnière (Paris, France)
**A concern for the obstetrician or the anaesthesiologist?**

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

- **Tocolytics: interactions with anaesthetic medications**
  Alexandra Schyns-van den Berg (Dordrecht, Netherlands)

- **Uterotonics and other substances to prevent or treat PPH**
  Elin Bjornestad (Bergen, Norway)

**Underestimated problems in obstetric analgesia and anaesthesia?**

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

- **Temperature increase during labour: a real concern?**
  Virgil S. Manica (Boston, United States)

- **Awareness during caesarean section**
  Nuala Lucas (London, United Kingdom)

**Capacity and decision making in difficult obstetric scenarios**

**Chair:**
Antoine Baumann (Nancy, France)

- **My baby and my choice: patient decision making at the time of caesarean section**
  Felicity Plaat (London, United Kingdom)

- **Ethical choices in home delivery**
  Alexandra Schyns-van den Berg (Dordrecht, Netherlands)

- **Catastrophic head injury and continuing pregnancy**
  Fulesdi Bela (Debrecen, Hungary)

**The parturient with cardiac disease**

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

- **Anaesthetic considerations for the parturient with cardiac disease**
  Alexander Ioscovich (Jerusalem, Israel)
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<th>Sunday, 29 May 16:15 – 17:00</th>
<th>Defining normovolaemia in children and how to achieve it</th>
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<td><strong>Chair:</strong></td>
<td>Tom Giedsing Hansen (Odense, Denmark)</td>
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<td><strong>Speaker:</strong></td>
<td>Robert Sümpelmann (Hannover, Germany)*</td>
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<th>Saturday, 28 May 14:00 – 15:30</th>
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<td><strong>Chair:</strong></td>
<td>Karin Becke (Nürnberg, Germany)</td>
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<td>Paediatric sedation - the pediatrican’s view</td>
<td>Piet Leo Leroy (Maastricht, Netherlands)</td>
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<tr>
<td>Paediatric sedation - can we improve?</td>
<td>Ehrenfried Schindler (Sankt Augustin, Germany)*</td>
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<th>Sunday, 29 May 14:00 – 15:30</th>
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<td><strong>Chair:</strong></td>
<td>Thomas Engelhardt (Aberdeen, United Kingdom)</td>
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<tr>
<td>Which drugs used in paediatric anaesthesia do we need more information on?</td>
<td>Karel Allegaert (Leuven, Belgium)*</td>
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</tr>
<tr>
<td>What is the definition of a paediatric anaesthesia workstation?</td>
<td>Jurgen De Graaff (Utrecht, Netherlands)</td>
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<tr>
<td>Monitoring in paediatric anaesthesia</td>
<td>Laszlo Vutskits (Geneva, Switzerland)</td>
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</table>
Papers that changed my daily practice in paediatric anaesthesia

Chair:
Francis Veyckemans (Brussels, Belgium)

Papers that changed my practice in paediatric postoperative pain emergencies
Thomas Engelhardt (Aberdeen, United Kingdom)

Papers that changed my practice in paediatric general anaesthesia
Tom Giedsing Hansen (Odense, Denmark)

Safe anaesthesia for every child

Chair:
Walid Habre (Geneva, Switzerland)

The 10 N quality anaesthesia for children - what’s the secret?
Thomas Engelhardt (Aberdeen, United Kingdom)

Blood pressure and haemodynamic monitoring in children: how to keep values within a range of normality?
Nigel Turner (Utrecht, Netherlands)

Oxygen – friend or foe in paediatric anaesthesia?
Walid Habre (Geneva, Switzerland)

Pitfalls in paediatric acute pain therapy

Chair:
Martin Jöhr (Luzern, Switzerland)

Speaker
Karin Becke (Nürnberg, Germany)
Consent and ethics at the boundaries of neuroanaesthesia

Chair: Paul McConnell (Kilmarnock, United Kingdom)

Trust and consent
Onora O'Neill (London, United Kingdom)

Awake craniotomy
Judith Dinsmore (London, United Kingdom)

Diagnosis and care of patients in persistent vegetative states
Ekaterina Kondratyeva (St. Petersburg, Russian Federation)

Nutrition and withdrawal of care in persistent vegetative states: a legal perspective
Frederique Claudot (Nancy, France)

Neuroanaesthesia: are children really different from adults?

Chair: Karin Becke (Nürnberg, Germany)

Anaesthesia for intracranial surgery in children: what is the difference with adults?
Silvia Serrano (Barcelona, Spain)

Anaesthesia for a child with mental disability
Martin Jöhr (Luzern, Switzerland)

Pain after paediatric craniotomy
Pablo Ingelmo (Montreal, Canada)

Neuroanaesthesia and challenging cases

Chair: Ricard Valero (Barcelona, Spain)

Anaesthesia for neurosurgical procedures in pregnant patients
Andrey Lubnin (Moscow, Russian Federation)

Anaesthesia in neuroradiology procedures. Does it matter?
Kiriaki Vagdatli (Athens, Greece)

General anaesthesia for brain tumor surgery: intraoperative management
Martin Söhle (Bonn, Germany)*

Neurocritical care
Chair:
Federico Bilotta (Rome, Italy)

Spreading depolarisation in acute cerebral injuries
Jens P. Dreier (Berlin, Germany)

Quantitative magnetic resonance imaging after a brain injury: prognostic role
Lionel Velly (Marseille, France)

Blood glucose management in patients with acute brain injury
Elham Rostami (Uppsala, Sweden)

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CARDIAC, THORACIC AND VASCULAR ANAESTHESIOLOGY
Learning Track 7

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**Anaesthesia for thoracic surgery: update on one-lung-ventilation**

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

Speaker
Steffen Rex (Leuven, Belgium)

---

**Anaesthesia for the high risk vascular patient**

Chair:
Philipp Lirk (Amsterdam, Netherlands)

Intraoperative arterial hypotension: clinical reasoning in the absence of definitive data
Dan Longrois (Paris, France)*

Use of cerebral oximetry in perioperative medicine: can we monitor the brain?
Cornelis Kalkman (Utrecht, Netherlands)

General versus regional anaesthesia for vascular surgery: does it matter?
Gabriella Iohom (Cork, Ireland)
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<td>S 0752</td>
<td>Monday, 30 May 10:30 – 12:00</td>
<td>The ongoing volume debate</td>
<td>N Hall 1</td>
<td>Jean-Luc Fellahi (Lyon, France)*</td>
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<td></td>
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<td>Early goal directed therapy in cardiac risk patients: beneficial or detrimental?</td>
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<td>Daniel A. Reuter (Hamburg, Germany)</td>
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<td></td>
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<td>Pleth variability index (PVI) to predict responsiveness: utility or futility?</td>
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<td>Thomas W.L. Scheeren (Groningen, Netherlands)</td>
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<td>Perioperative fluid and volume handling: does it make a difference what - and how much – you give?</td>
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<td>Matthias Jacob (Straubing, Germany)*</td>
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<td>S 0753</td>
<td>Sunday, 29 May 10:30 – 12:00</td>
<td>The patient with pre-existing cardiac morbidity</td>
<td>Auditorium 2</td>
<td>Stefan De Hert (Ghent, Belgium)</td>
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<tr>
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<td>Perioperative atrial fibrillation: the evidence based medicine</td>
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<td>Jean-Luc Fellahi (Lyon, France)*</td>
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<td>The patient with a drug eluting stent - moving forward?</td>
<td></td>
<td>Simon J. Howell (Leeds, United Kingdom)</td>
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<tr>
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<td>Transfusion trigger in the cardiac risk patient</td>
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<td>Christian Von Heymann (Berlin, Germany)</td>
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<td>S 0754</td>
<td>Sunday, 29 May 14:00 – 15:30</td>
<td>Update on anaesthesia during cardiac surgery</td>
<td>Capital Suite 12</td>
<td>Benedikt Preckel (Amsterdam, Netherlands)*</td>
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<td></td>
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<td>How can we optimize anaesthesia for cardiac surgery?</td>
<td></td>
<td>Berthold Bein (Hamburg, Germany)</td>
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<tr>
<td></td>
<td></td>
<td>Transfusion related acute lung injury in patients undergoing cardiac surgery</td>
<td></td>
<td>Alexander Vlaar (Amsterdam, Netherlands)</td>
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Update in Cardiac Anaesthesia
Symposium organised in collaboration with the European Association of Cardiothoracic Anaesthesiologists (EACTA)

N Hall 1

Chairs:
Benedikt Preckel (Amsterdam, Netherlands)*
Fabio Guarracino (Pisa, Italy)

Anaesthesia for the patient who has a ventricular support device
Fabio Guarracino (Pisa, Italy)

Managing vascular and general surgical emergencies in the cardiac surgery patient
Susanne Eberl (Amsterdam, Netherlands)

Percutaneous coronary intervention in the post arrest patient
Luc Van Obbergh (Brussels, Belgium)

PERIOPERATIVE MEDICINE
Learning Track 8

Effects of nonsteroidal anti-inflammatory drugs on wound and bone healing
Capital Suite 11

Chair:
Manfred Blobner (Munich, Germany)

Speaker
Koos Brouwers (Groningen, Netherlands)*

Haemostasis, thrombosis and transfusion
N Hall 4

Chair:
Christian Fenger-Eriksen (Aarhus, Denmark)

Modern strategies of viscoelastic testing in daily practice
Daniel Bolliger (Basel, Switzerland)*

New oral anticoagulants: indications, monitoring and complications
Christian Fenger-Eriksen (Aarhus, Denmark)

Diagnostic and treatment of iron deficiency in elective surgery patients
Elvira Bisbe Vives (Barcelona, Spain)*
S 0852 Symposium  
Monday, 30 May  
10:30 – 12:00  
Pain after neurosurgery  
N Hall 2

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

**Pain management after craniotomy**
Simon Logan (Cardiff, United Kingdom)

**Postoperative pain management after spine surgery**
Esther Pogatzki-Zahn (Muenster, Germany)

**Failed back surgery syndrome**
Patrick Mc Gowan (London, United Kingdom)

S 0853 Symposium  
Sunday, 29 May  
08:30 – 10:00  
Post-Operative Problems (POP): what can and what should we do?  
Auditorium 2

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

**Postoperative visit**
Bettina Jungwirth (Munich, Germany)*

**Lost in translation**
Bernhard Zwissler (Munich, Germany)

**Why do patients die after surgery?**
Rupert M. Pearse (London, United Kingdom)*

S 0854 Symposium  
Sunday, 29 May  
14:00 – 15:30  
Postoperative delirium: definition, management and outcome  
N Hall 3

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

**Now I’m confused: postop delirium/ emergence delirium/ postoperative cognitive dysfunction/ dementia. The nomenclature**
Finn Radtke (Næstved, Denmark)

**Delirium screening – methods and effect on outcome**
Jacob Steinmetz (Copenhagen, Denmark)

**Avoiding postoperative delirium – neuromonitoring and more**
Claudia Spies (Berlin, Germany)
### Guidelines in anaesthesia

**Saturday, 28 May 09:30 – 11:00**

**Chair:**
Sibylle Kozek Langenecker (Vienna, Austria)

**Preparation and revision of ESA guidelines**
Dan Longrois (Paris, France)*

**Differences between European and American guidelines: the cardiac risk patient**
Stefan De Hert (Ghent, Belgium)

**Implementation and knowledge of the European guidelines for anaesthesia in patients at cardiac risk**
Lena Koers (Amsterdam, Netherlands)

### Remote conditioning: what do we learn from big clinical studies

**Monday, 30 May 08:30 – 10:00**

**Chair:**
Benedikt Preckel (Amsterdam, Netherlands)*

**Remote conditioning in cardiac surgery: Results of the RIPHeart study and the ERICCA study**
Patrick Meybohm (Frankfurt, Germany)

**Remote conditioning: the underlying mechanism of a promising therapeutic strategy**
Christian Stoppe (Aachen, Germany)*

**Remote conditioning to protect the kidney – clinically effective?**
Alexander Zarbock (Münster, Germany)*

### ESA guidelines on postoperative delirium (ESA Task Force)

**Saturday, 28 May 16:00 – 16:45**

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

**Speaker**
Gabriella Bettelli (Modena, Italy)

### Patient Blood Management - where to start?

**Sunday, 29 May 15:00 – 15:45**

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

**Speaker**
Kai Zacharowski (Frankfurt, Germany)*
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<td>Refresher Course</td>
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<td>09:15 – 10:00</td>
<td>Nerve, a living tissue: post-operative neuropathies</td>
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<td>RC</td>
<td>Refresher Course</td>
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<td>Capital Suite 11</td>
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<td>Symposium</td>
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<td>Different procedures, different outcomes of post-operative pain? The clinical reality</td>
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<td>L</td>
<td>Lecture</td>
<td>Monday, 30 May</td>
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<td>Emerging concepts in acute and chronic pain: steps into the future</td>
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S 1051 Symposium
Saturday, 28 May
14:00 – 15:30

Cancer pain and palliative care

N Hall 3

Chair:
Jan Van Zundert (Genk, Belgium)

Pain in palliative care an underestimated problem
Kris Vissers (Nijmegen, Netherlands)

How to deal with difficult to manage pain in cancer patients?
Robert Twycross (Oxford, United Kingdom)

Interventional treatment of pain in patients with cancer
Martine Puylaert (Genk, Belgium)

S 1052 Symposium
Sunday, 29 May
10:45 – 11:45

Clinical update on neuropathic pain

Capital Suite 12

Chair:
Marco Abraham Marcus (Maastricht, Netherlands)

Neuropathic pain: look for the mechanism to treat better!
Marc René Suter (Lausanne, Switzerland)*

Chemotherapy and radiation induced neuropathic pain
Caterina Aurilio (Naples, Italy)
**INTENSIVE CARE MEDICINE**

**Learning Track 11**

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### 1151 Symposium
**Saturday, 28 May**
09:30 – 11:00
**Affairs of the heart: cardiac pathology, management and systemic effects**

**N Hall 3**

**Chair:**
Benedikt Preckel (Amsterdam, Netherlands)*

- **Cardiogenic shock**
  Marco Maggiorini (Zurich, Switzerland)

- **Sepsis and the myocardium**
  Manu Shankar-Hari (London, United Kingdom)

- **Heart failure and weaning from mechanical ventilation**
  Fabio Guarracino (Pisa, Italy)

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### 1152 Symposium
**Sunday, 29 May**
14:00 – 15:30
**An ethical approach to resource allocation in ICU**

**N Hall 1**

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

- **How many beds? The availability and organisation of ICU in Europe**
  Andrew Rhodes (London, United Kingdom)

- **Who benefits from intensive care**
  Ridley Saxon (Rhyl, United Kingdom)

- **The impact of inappropriate care**
  Elie Azoulay (Paris, France)

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### Interactive Session
**Monday, 30 May**
10:30 – 12:00
**Antimicrobial therapy in the ICU**

**Auditorium 1**

**Chair:**
Claude Martin (Marseille, France)

- **Use and misuse of antibiotic combinations**
  Marc Leone (Marseille, France)*

- **Common errors in antibiotic treatment**
  Ricard Ferrer Roca (Barcelona, Spain)

- **Empirical antibiotic treatment for severe infections**
  Ignacio Martin-Loeches (Dublin, Ireland)

- **Fungal infections - little data but some improvement**
  Krisztina Madách (Budapest, Hungary)

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### 1154 Symposium
**Saturday, 28 May**
09:00 – 11:00
**At the limits of intensive care**

**N Hall 5**
How can our electronic gadgets serve us

Chair:
Gernot Marx (Aachen, Germany)

Telemmedicine - toy or tool?
Gernot Marx (Aachen, Germany)

Diagnosing death by resuscitation
Sharon Einav (Jerusalem, Israel)

Nightmare or sweet dream? Serious games of obstetric haemorrhage
Antoine Tesnière (Paris, France)

Initial resuscitation of septic shock

Chair:
Zsolt Molnar (Szeged, Hungary)*

Goals of therapy
Claude Martin (Marseille, France)

Fluid administration and volume responsiveness
Jean-Louis Teboul (Paris, France)*

Vasopressors and inotropes
Mikhail Kirov (Arkhangelsk, Russian Federation)*

Assessing oxygen debt at the bedside
Zsolt Molnar (Szeged, Hungary)

Surviving “surviving sepsis”
Mervyn Singer (London, United Kingdom)
Managing the patient with acute respiratory failure

Chair: Davide Chiumello (Milan, Italy)

What tests to perform and when should they be performed?
Elie Azoulay (Paris, France)

When and how to institute non-invasive ventilation
Jean-Michel Constantin (Clermont-Ferrand, France)

How to manage the airway of the patient with a borderline saturation
Timothy M. Cook (Bath, United Kingdom)*

Oxygen: the good, the bad and the ugly

Chair: Elie Azoulay (Paris, France)

Intraoperative high inspired oxygen fraction: Much Ado About Nothing?
Lars Simon Rasmussen (Copenhagen, Denmark)

Hyperoxia after cardiac arrest and infarction: are adults just really large babies?
Sharon Einav (Jerusalem, Israel)

Medical use of oxygen: a time for critical reappraisal
Mervyn Singer (London, United Kingdom)

Science, research and intensive care medicine

Chair: Mervyn Singer (London, United Kingdom)

The role of observational study design in the ICU
Manu Shankar-Hari (London, United Kingdom)

Trials and errors: why there are so many non-significant results in multicenter randomised controlled trials in the ICU
Viktor Novack (Tel Aviv, Israel)*

Research does not lead to major breakthroughs in science anyway
Michael Perouansky (Madison, United States)

A general view on methods of preventing ventilator associated pneumonia (VAP)

Chair: Gabriel Gurman (Beer Sheva, Israel)

Management of microcirculatory and metabolic alterations in shock

Chair: Massimo Antonelli (Rome, Italy)
**11D1 Pro & Con Debate**

**Monday, 30 May**

16:00 – 17:00

**Adult respiratory disease syndrome is no problem today: Pro-Con**

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

**Speaker**
Daniel De Backer (Brussels, Belgium)

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

**Con**
Daniel Talmor (Boston, United States)

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**CRITICAL EMERGENCY MEDICINE - TRAUMA AND RESUSCITATION**

**Learning Track 12**

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**12S1 Symposium**

**Saturday, 28 May**

14:00 – 15:30

**The new 2015 ERC Resuscitation Guidelines**
Symposium organised in collaboration with the European Resuscitation Council (ERC)

**Chairs:**
Luca Brazzi (Turin, Italy)
Bernd Böttiger (Cologne, Germany)*

**Advanced life support (ALS)**
Jasmeet Soar (Bristol, United Kingdom)*

**Postresuscitation care**
Jerry Nolan (Bath, United Kingdom)

**Children**
Patrick Van de Voorde (Ghent, Belgium)

"Kids save lives" et al. – Improving outcome with social initiatives
Bernd Böttiger (Cologne, Germany)*
<table>
<thead>
<tr>
<th>Symposia</th>
<th>Date</th>
<th>Time</th>
<th>Title</th>
<th>Chairman</th>
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<tbody>
<tr>
<td>1252</td>
<td>Saturday, 28 May</td>
<td>09:00 – 11:00</td>
<td>New developments in pre-hospital emergency medicine 1</td>
<td>Luca Brazzi (Turin, Italy)</td>
<td>Capital Suite 12</td>
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<tr>
<td>1253</td>
<td>Sunday, 29 May</td>
<td>10:45 – 11:45</td>
<td>New developments in pre-hospital emergency medicine 2</td>
<td>Bernd Böttiger (Cologne, Germany)*</td>
<td>Capital Suite 2</td>
</tr>
<tr>
<td>1254</td>
<td>Monday, 30 May</td>
<td>10:30 – 12:00</td>
<td>Pre-hospital medical challenges</td>
<td>Karl-Christian Thies (Birmingham, United Kingdom)</td>
<td>Capital Suite 2</td>
</tr>
</tbody>
</table>

**1252 Symposium (Saturday, 28 May)**

- **Chair:** Luca Brazzi (Turin, Italy)
- **Pre-hospital blood products - Who benefits?** Karl-Christian Thies (Birmingham, United Kingdom)
- **Pre-hospital capnography - What does it tell us?** Luca Brazzi (Turin, Italy)*
- **Immobilisation - time for a new consensus** Tim Nutbeam (Derrieford, United Kingdom)
- **Videolaryngoscopy in the pre-hospital field** Lorenz Theiler (Bern, Switzerland)

**1253 Symposium (Sunday, 29 May)**

- **Chair:** Bernd Böttiger (Cologne, Germany)*
- **How we dispatch Emergency Medical Service - does it make a difference?** Guttorm Brattebø (Bergen, Norway)
- **Cardiac arrest - the hyper-invasive approach** Jan Belohlavek (Prague, Czech Republic)*

**1254 Symposium (Monday, 30 May)**

- **Chair:** Karl-Christian Thies (Birmingham, United Kingdom)
- **Care and conflict – when military medics take on humanitarian challenges** Barak Cohen (Tel Aviv, Israel)
- **Prehospital cares in military medicine: breakthroughs and challenges** Sylvain Ausset (Clamart, France)
- **ICU evacuation during a disaster** Sharon Einav (Jerusalem, Israel)
Under fire - the changing face of terrorism and the implications for health care
Symposium organised in collaboration with the European Society of Emergency Medicine (EuSEM)

Chair:
Karl-Christian Thies (Birmingham, United Kingdom)

The Utøya attack
Jan E. Nilsen (Oslo, Norway)

The Paris attacks
Benoît Vivien (Paris, France)

The Brussels attacks
Marc Sabbe (Leuven, Belgium)

Cardiac arrest in theaters - is Advanced Life Support still good enough? A call to arms

Chair:
Karl-Christian Thies (Birmingham, United Kingdom)*

Speaker
Jochen Hinkelbein (Köln, Germany)

Damage control surgery - the basics for anaesthetists

Chair:
Luca Brazzi (Turin, Italy)

Damage control surgery for orthopaedic trauma
Al Mountain (Birmingham, United Kingdom)

Damage control surgery for torso injuries
Ben Banerjee (Sunderland, United Kingdom)

The future of emergency medicine in Europe - stand-alone specialty, sub-specialty or not a specialty at all? Pro-Con

Chair:
Lorenz Theiler (Bern, Switzerland)

Emergency medicine – Strength and weakness of a specialty
Karl-Christian Thies (Birmingham, United Kingdom)*

Panel discussion
Marc Sabbe (Leuven, Belgium)
Robert Jan Stolker (Rotterdam, Netherlands)
Karl-Georg Kanz (Munich, Germany)
RESPIRATION AND AIRWAY MANAGEMENT
Learning Track 13

**13S1** Symposium
Monday, 30 May
15:00 – 17:30
Capital Suite 2

**Key differences in respiratory and airway management of the obese patient**
Symposium organised in collaboration with the European Society for Perioperative Care of the Obese Patient (ESPCOP)

**Chairs:**
- Paolo Pelosi (Genoa, Italy)
- Michael Margarson (Chichester, United Kingdom)

**Pre-operative assessment of respiration and airway**
Olivier Langeron (Paris, France)

**Airway management of the obese**
Ankie Hamaekers (Maastricht, Netherlands)*

**Lung ventilation in the obese**
Marcelo Gama de Abreu (Dresden, Germany)*

**How to return to the normal airway and respiration**
Tomasz Gaszynski (Lodz, Poland)

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

**13S2** Symposium
Saturday, 28 May
14:00 – 15:30
N Hall 4

**Airway management in special situations: obstetrics, intensive care and airway stenosis**
Symposium organised in collaboration with the European Airway Management Society (EAMS)

**Chairs:**
- Ellen P. O'Sullivan (Dublin, Ireland)
- Robert Greif (Bern, Switzerland)*

**Airway management in obstetrics: similar but different**
Pierre Diemunsch (Strasbourg, France)

**Airway management in the intensive care unit: pitfalls and strategies**
TBA

**Airway management in patients with airway stenosis**
Imran Ahmad (London, United Kingdom)*
<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
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<th>Chair(s)</th>
<th>Presenters</th>
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<tbody>
<tr>
<td><strong>Symposium</strong></td>
<td>Saturday, 28 May</td>
<td>09:30 – 11:00</td>
<td>N Hall 2</td>
<td>Current controverses in airway management: how to implement what we have learned?</td>
<td>Chairs: Robert Greif (Bern, Switzerland)* Ellen P. O’Sullivan (Dublin, Ireland)</td>
<td>NAP4 was a wake-up call - where are we in 2016? Timothy M. Cook (Bath, United Kingdom)* Is there a need for more specialists in airway management training or is it a general competence? Robert Greif (Bern, Switzerland)* Laryngeal mask airway for every patient. What are the limitations? Arnd Timmermann (Berlin, Germany)*</td>
</tr>
<tr>
<td><strong>Symposium</strong></td>
<td>Monday, 30 May</td>
<td>15:00 – 16:30</td>
<td>N Hall 3</td>
<td>Oxygenation: new concepts</td>
<td>Chair: Ellen P. O’Sullivan (Dublin, Ireland)</td>
<td>Physiology of Transnasal Humidified Rapid-Insufflation Ventilation Exchange (THRIVE) Reza Nouraei (London, United Kingdom)* Trans-nasal Humidified Rapid-Insufflation Ventilation Exchange (THRIVE) – clinical advantages Anil Patel (London, United Kingdom)* Is oxygen a dangerous drug? J. Robert Sneyd (Plymouth, United Kingdom)</td>
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<tr>
<td><strong>Interactive Session</strong></td>
<td>Sunday, 29 May</td>
<td>10:30 – 12:00</td>
<td>Auditorium 1</td>
<td>New airway management guidelines</td>
<td>Chair: Imran Ahmad (London, United Kingdom)*</td>
<td>Revised Difficult Airway Society Management Guidelines - what has changed 12 years on? Ellen P. O’Sullivan (Dublin, Ireland) Why do we need Obstetric Airway Guidelines? Stephen Kinsella (Bristol, United Kingdom)</td>
</tr>
</tbody>
</table>
Symposium
Sunday, 29 May
08:30 – 10:00

Tracheostomy care and troubleshooting
N Hall 5

Chair:
Gary Mills (Sheffield, United Kingdom)

Which front of neck technique is best?
Conan McCaul (Dublin, Ireland)

Optimum jet ventilation
Peter Biro (Zurich, Switzerland)*

Troubleshooting tracheostomy problems
Brendan McGrath (Manchester, United Kingdom)*

Lecture
Monday, 30 May
14:00 – 14:45

Lung recruitment in anaesthesia and disease
Capital Suite 11

Chair:
Marcelo Gama de Abreu (Dresden, Germany)*

Speaker
Göran Hedenstierna (Uppsala, Sweden)

PATIENT SAFETY
Learning Track 14

Refresher Course
Monday, 30 May
14:00 – 14:45

Which data should be collected to monitor, maintain and improve patient safety and quality?
N Hall 4

Chair:
Frank Wappler (Cologne, Germany)

Speaker
Johannes Wacker (Zurich, Switzerland)

Refresher Course
Saturday, 28 May
16:00 – 16:45

Implementation of recommended perioperative patient safety practices: pitfalls and challenges
Capital Suite 11

Chair:
Ravi Prakash Mahajan (Nottingham, United Kingdom)

Speaker
Stefan De Hert (Ghent, Belgium)
Symposium
Monday, 30 May
10:30 – 12:00
Transition from safety 1 to safety 2: new challenges
N Hall 4
Chair: Jannicke Mellin-Olsen (Rud, Norway)
Role of simulation
Filippo Bressan (Prato, Italy)
Role of reporting systems
Dan Longrois (Paris, France)
Cost of patient safety
Frank Wappler (Cologne, Germany)

Symposium
Sunday, 29 May
15:45 – 17:15
Safety and quality in action
N Hall 4
Chair: Peter Kranke (Wurzburg, Germany)
OPUS: optimizing patients undergoing surgery
Sven Staender (Männedorf, Switzerland)
Kids save lives
Hugo Van Aken (Münster, Germany)
Independent investigations in healthcare
Guttorm Brattebø (Bergen, Norway)

Lecture
Sunday, 29 May
08:30 – 09:15
A global perspective on patient safety and quality
N Hall 1
Chair: Charles Marc Samama (Paris, France)
Speaker
Adrian Gelb (San Francisco, United States)*

Lecture
Monday, 30 May
14:00 – 14:45
Creating patient safety by celebrating good practice: safety II
N Hall 2
Chair: Sven Erik Gisvold (Trondheim, Norway)
Speaker
Sven Staender (Männedorf, Switzerland)
GERIATRIC ANAESTHESIOLOGY
Learning Track 15

**RC1 Refresher Course**
Monday, 30 May
14:00 – 14:45

The elderly with hip fracture – hot of the press

Chair: Idit Matot (Tel Aviv, Israel)

Speaker: Mark Coburn (Aachen, Germany)

**RC2 Refresher Course**
Saturday, 28 May
09:00 – 09:45

Assessment and management of pain in older adults: new guidance

Chair: Jan Van Zundert (Genk, Belgium)

Speaker: Patricia Schofield (Cambridge, United Kingdom)

**D1 Pro & Con Debate**
Saturday, 28 May
16:00 – 17:00

Is monitoring depth anaesthesia effective? Pro-Con

Chair: Idit Matot (Tel Aviv, Israel)

Pro: Daniel Sessler (Cleveland, United States)*

Con: Michael Avidan (St. Louis, United States)

**D2 Pro & Con Debate**
Monday, 30 May
10:30 – 12:00

Does anaesthesia promote Alzheimer? Pro-Con

Chair: Idit Matot (Tel Aviv, Israel)

Pro: Hugh C. Hemmings (New York, United States)*

Con: Michael Perouansky (Madison, United States)
## EDUCATION
### Learning Track 16

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<th>Event Type</th>
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<tr>
<td>Symposium</td>
<td>Monday, 30 May</td>
<td>10:45 – 11:45</td>
<td>Capital Suite 12</td>
<td>Keeping up-to date</td>
<td>Andreas Sandner-Kiesling (Graz, Austria)</td>
<td>Andrew Smith (Lancaster, United Kingdom)  Robert Greif (Bern, Switzerland)*</td>
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<tr>
<td>Lecture</td>
<td>Monday, 30 May</td>
<td>14:00 – 14:45</td>
<td>N Hall 3</td>
<td>The European Human Rights Act and its implications for medicine</td>
<td>Paul McConnell (Kilmarnock, United Kingdom)</td>
<td>Jessica Jones (London, United Kingdom)</td>
</tr>
<tr>
<td>Lecture</td>
<td>Saturday, 28 May</td>
<td>16:00 – 16:45</td>
<td>Capital Suite 14</td>
<td>Guideline development process</td>
<td>Sibylle Kozek Langenecker (Vienna, Austria)</td>
<td>Edoardo De Robertis (Naples, Italy)</td>
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