



Final Programme

AUSTRIA, VIENNA

2019

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



Chair:
Andreas Hoeft (Bonn, Germany)

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

D 01D1 Saturday, 1 June **Colloids are necessary for intraoperative fluid management: Pro-Con** Piano Hall
Pro & Con Debate 11:00 - 12:00



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

Pro
Thomas Scheeren* (Groningen, Netherlands)

Con
Thorsten Haas* (Zürich, Switzerland)

S 03S1 Saturday, 1 June **Regional anaesthesia in patients with specific issues** Stolz
Symposium 11:00 - 12:00



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 the ICU patients
Morne Wolmarans (Norwich, United Kingdom)

S 07S1 Saturday, 1 June **Blood pressure: new perspectives on an old issue** Cello Hall
Symposium 11:00 - 12:00



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)

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| S | 09S1 Symposium | Saturday, 1 June 11:00 - 12:00 | Extracorporeal techniques in sepsis: is it worth the effort? | Flute Hall |
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Chair:

Sharon Einav (Jerusalem, Israel)

Continuous renal replacement techniques (CRRT)

Alexander Zarbock* (Münster, Germany)

Cytokine removal

Zsolt Molnar* (Szeged, Hungary)

Endotoxin removal

Didier Payen De La Garanderie (Paris, France)

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| S | 10S1 Symposium | Saturday, 1 June 11:00 - 12:00 | Bloody mess – transfusion and coagulation Symposium organised by Anesthesia and Analgesia Journal | Violin Hall |
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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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| ME | 11ME1 Meet the Expert | Saturday, 1 June 11:00 - 12:00 | 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) | Strauss 2 |
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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)

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| S | 14S1 Symposium | Saturday, 1 June 11:00 - 12:00 | Interpersonal risks and our estimations: do we understand it? | Schubert 5 |
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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

Colin Hutchison (Paisley, United Kingdom)

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| S | 15S1 Symposium | Saturday, 1 June 11:00 - 12:00 | Cognitive function in the older surgical patient | Strauss 1 |
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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)

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| S | ESAS1 Symposium | Saturday, 1 June 11:00 - 12:30 | Meet the Editors-in-Chief | Lehar 1 |
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EJA



Chair:

Martin Tramèr (Geneva, Switzerland)

Preprints in clinical medicine: merits and demerits – (Anaesthesiology)

Evan Kharasch (Durham, 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-Boghdady* (London, United Kingdom)

S ESAS2 Symposium Saturday, 1 June 11:00 - 12:00 **Be the person others want to follow: ESA insights into leadership and gender (in)equality** Agora



Chair:

Thea Koch (Dresden, Germany)
Wolfgang Buhre* (Maastricht, Netherlands)

ESA survey on gender and leadership

Idit Matot (Tel Aviv, Israel)

Creating positive change together; supporting women in their careers

J. Robert Sneyd* (Plymouth, United Kingdom)

Trainee perspective – the Y generation

Anne Blank (Berlin, Germany)

Panel Discussion

S 01S1 Symposium Saturday, 1 June 14:00 - 15:00 **Digital health: when computers supervise** Stolz



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)

D 03D1 Pro & Con Debate Saturday, 1 June 14:00 - 15:00 **Adjuncts or catheters to prolong single-shot injections of local anaesthetics?** Strauss 1



Chair:

Matthias Desmet (Kortrijk, Belgium)

Adjuncts

Eric Albrecht* (Lausanne, Switzerland)

Catheters

David Johnston (Belfast, United Kingdom)

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| S | 05S1 Symposium | Saturday, 1 June 14:00 - 15:00 | Controversies in paediatric anaesthesia | Schubert 5 |
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Chair:

Laszlo Vutskits (Geneva, Switzerland)

Approach to adolescents: what changes?

Tom Giedsing Hansen (Odense, Denmark)

Anaesthesia for the obese child

Maren Kleine-Brueggeny (London, United Kingdom)

The new statement of preoperative fasting: is that all we need?

Peter Gunnar Mikael Frykholm (Uppsala, Sweden)

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| S | 08S1 Symposium | Saturday, 1 June 14:00 - 15:00 | Acute and chronic pain: the anaesthesiologist's role... | Lehar 1 |
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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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| ME | 10ME1 Meet the Expert | Saturday, 1 June 14:00 - 14:45 | A practical approach to triage of trauma patients prior to ICU Session organised by the Trainee Committee | Trainee Booth |
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Chair:

Matija Majic (Zagreb, Croatia)

Speaker:

Kurt Ruetzler (Cleveland, United States)

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| S | 12S1 Symposium | Saturday, 1 June 14:00 - 15:00 | Prehospital fluid and coagulation management | Strauss 2 |
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Chair:

Christian von Heymann* (Berlin, Germany)

Target blood pressure in the bleeding patient with or without brain injury

Patrick Meybohm* (Frankfurt, Germany)

Prehospital transfusion with blood products

Christian Fenger-Eriksen (Aarhus, Denmark)

Optimising coagulation efforts in the bleeding trauma patient

Marc Maegele* (Cologne, Germany)

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| S | 13S1 Symposium | Saturday, 1 June 14:00 - 15:00 | Prevention of perioperative myocardial infarction | Flute Hall |
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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)

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| S | 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 |
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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)

S 15S2 Symposium Saturday, 1 June 14:00 - 15:00 **Anaesthesia in the elderly – REGAINing HOPE** Piano Hall



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)

S ESAS3 Symposium Saturday, 1 June 14:00 - 15:00 **The anaesthesiologist as a second victim of an adverse event** Agora



Chair:

Stefan De Hert (Ghent, 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-Imsida, Malta)

Second victim: causes and consequences

Hervé Bouaziz (Nancy, France)

L 01L1 Lecture Saturday, 1 June 15:15 - 16:00 **Update on mechanisms of general anaesthesia** Violin Hall



Chair:

Anthony Absalom* (Groningen, Netherlands)

Speaker:

Nicholas Franks (London, United Kingdom)

L 01L2 Lecture Saturday, 1 June 15:15 - 16:00 **History of self-experiments in anaesthesia** Lehar 1



Chair:

Alistair McKenzie (Edinburgh, United Kingdom)

Speaker:

Fernando Gilsanz (Madrid, Spain)

ME 01ME1 Saturday, 1 June **Prevention and treatment of high-altitude diseases** Strauss
 Meet the Expert 15:15 - 16:00 2



Chair:
 Marc Moritz Berger (Salzburg, Austria)

Speaker:
 Dan Martin* (London, United Kingdom)

RC 01RC1 Saturday, 1 June **Cannabis: more than a recently legalised party drug?** Piano
 Refresher Course 15:15 - 16:00 Hall



Chair:
 Maria Wittmann (Bonn, Germany)

Speaker:
 Elena Neumann (Zurich, Switzerland)

L 09L1 Saturday, 1 June **Assessing delirium in the intensive care unit** Strauss
 Lecture 15:15 - 16:00 1



Chair:
 Mark Coburn (Aachen, Germany)

Speaker:
 Ulf Guenther* (Oldenburg, Germany)

L 12L1 Saturday, 1 June **Practical implementation of blood management programmes** Flute
 Lecture 15:15 - 16:00 Hall



Chair:
 Christa Boer (Amsterdam, Netherlands)

Speaker:
 Patrick Meybohm* (Frankfurt, Germany)

L 14L1 Saturday, 1 June **The patient's view on perioperative patient safety** Stolz
Lecture 15:15 - 16:00



Chair:
Martin Ponschab (Linz, Austria)

Speaker:
Coby Omvlee (Trondheim, Norway)

L 16L1 Saturday, 1 June **How do we translate expanded knowledge into successful practice and patient satisfaction?** Agora
Lecture 15:15 - 16:00



Chair:
Kim Lindelof (Malmo, Sweden)

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

L 02L1 Saturday, 1 June **Litigation and complaints associated with ambulatory anaesthesia** Stolz
Lecture 16:30 - 17:15



Chair:
Mark Skues (Chester, United Kingdom)

Speaker:
Annabel Pearson (Bath, United Kingdom)

D 03D2 Saturday, 1 June **Peripheral nerve blocks should be performed routinely in patients undergoing orthopedic: Pro-Con** Violin Hall
Pro & Con Debate 16:30 - 17:30



Chair:
Alan Macfarlane (Glasgow, United Kingdom)

Pro
Eric Albrecht* (Lausanne, Switzerland)

Con
Jose Romero (Zürich, Switzerland)

RC 07RC1 Saturday, 1 June **Cardio-circulatory stabilisation of the hypovolemic patient: the endless story** Strauss
Refresher Course 16:30 - 17:15 2



Chair:
Bernard Cholley* (Paris, France)

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

RC 08RC1 Saturday, 1 June **Evidence-based medicine guidelines for the management of low back pain** Flute
Refresher Course 16:30 - 17:15 Hall



Chair:
Kris Vissers (Nijmegen, Netherlands)

Evidence-based medicine guidelines for the management of low back pain
Jan Van Zundert (Lanaken, Belgium)

ME 09ME1 Saturday, 1 June **A practical approach to trauma ICU patients** Trainee
Meet the Expert 16:30 - 17:15 Booth



Chair:
Matija Majic (Zagreb, Croatia)

Speaker:
Sharon Einav (Jerusalem, Israel)

ME 09ME2 Saturday, 1 June **How to avoid predatory publishing in anaesthesia and critical care** Strauss
Meet the Expert 16:30 - 17:15 1



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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| L | 13L1 Lecture | Saturday, 1 June 16:30 - 17:15 | Challenges to establish real perioperative medicine | Piano Hall |
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Chair:
Idit Matot (Tel Aviv, Israel)

Speaker:
Monty Mythen* (London, United Kingdom)

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| L | 13L2 Lecture | Saturday, 1 June 16:30 - 17:15 | Approaches to avoid and manage major cardiovascular events after surgery | Cello Hall |
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Chair:
Andreas Hoeft (Bonn, Germany)

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

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| S | 13S2 Symposium | Saturday, 1 June 16:30 - 18:00 | Perioperative issues in liver disease Symposium organised by the Liver Intensive Care Group of Europe (LICAGE) | Schubert 5 |
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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)

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| RC | 14RC1 Refresher Course | Saturday, 1 June 16:30 - 17:15 | How anaesthesiologists can contribute to avoid perioperative infections | Lehar 1 |
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Chair:
Hartmut Bürkle (Freiburg, Germany)

Speaker:
Sebastian Schulz Stübner* (Freiburg, Germany)

S

16S1
Symposium

Saturday, 1 June
16:30 - 18:00

Safer anaesthesia with good teamwork in the operating theatre

Agora

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 (Brussels, 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)

S

01S2
Symposium

Saturday, 1 June
17:30 - 18:30

Anaesthesia as a cancer disease modifier

Piano Hall



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)

S

01S3
Symposium

Saturday, 1 June
17:30 - 18:30

Goal versus guideline-directed cardiopulmonary resuscitation (CPR)

Stolz



Chair:

Konstantinos Stroumpoulis* (Athens, Greece)

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)

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| S | 04S1 Symposium | Saturday, 1 June 17:30 - 18:30 | Dural puncture epidural (DPE), combined spinal epidural (CSE) or epidural alone for labour? | Flute Hall |
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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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| S | 10S2 Symposium | Saturday, 1 June 17:30 - 18:30 | Violence and resilience | Cello Hall |
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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)

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| S | 10S3 Symposium | Saturday, 1 June 17:30 - 18:30 | The role of mechanical cardiac support | Strauss 1 |
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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)

S 11S1 Symposium Saturday, 1 June 17:30 - 18:30 **Current topics in mechanical ventilation** Lehar 1



Chair:

Massimiliano Sorbello* (Catania, Italy)

Should low tidal volumes be always used?

Francisco Javier Belda Nacher (VALENCIA, Spain)

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)

D ESAD1 Pro & Con Debate Saturday, 1 June 17:30 - 18:30 **Guidelines: Pro-Con** Strauss 2
 Session organised by the ESA Guidelines Committee



Chair:

Sibylle Kietzibl (Vienna, Austria)

Pro

Edoardo De Robertis* (Perugia, Italy)

Con

Arash Afshari (Copenhagen, Denmark)

L 01L3 Lecture Saturday, 1 June 17:45 - 18:30 **Closed loop anaesthesia: how close to prime time is it?** Violin Hall



Chair:

Michel Struys* (Groningen, Netherlands)

Speaker:

Ngai Liu* (Paris, France)

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| S | 01S4 Symposium | Sunday, 2 June 08:00 - 09:00 | Malignant hyperthermia (MH) outside the operating theatre Symposium organised in collaboration with the European Malignant Hyperthermia Group (EMHG) | Schubert 5 |
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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)

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| S | 01S5 Symposium | Sunday, 2 June 08:00 - 09:00 | Evidence of the impact of anaesthesia and surgery on the human brain | Piano Hall |
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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)

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| S | 01S6 Symposium | Sunday, 2 June 08:00 - 09:00 | Pharmacology in special patient populations | Strauss 1 |
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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)

D 02D1 Sunday, 2 June **Neuromuscular blockade and opioids in ambulatory anaesthesia: Pro-Con** Lehar 1
 Pro & Con Debate 08:00 - 09:00



Chair:
 Tatjana Simurina (Zadar, Croatia)

Pro
 Slavica Kvolik (Osijek, Croatia)

Con
 Boris Mraovic* (Philadelphia, United States)

S 03S2 Sunday, 2 June **Game changers - Recent papers in regional anaesthesia that changed my practice** Strauss 2
 Symposium 08:00 - 09:00



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)

S 07S2 Sunday, 2 June **Levosimendan in 2019: who are the appropriate patients?** Stolz
 Symposium 08:00 - 09:00



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)

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

S 12S2 Sunday, 2 June **Perioperative management and monitoring of patients...** Cello Hall
 Symposium 08:00 - 09:00



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
 Amer B. Ahmed* (Leicester, United Kingdom)

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| S | 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) | Flute Hall |
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Chair:
Judith Martini (Innsbruck, Austria)
Anette-Marie Schultz (Vienna, Austria)

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

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

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

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

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| PC | YTRA Prize Competition | Sunday, 2 June 08:15 - 10:45 | Young Teaching Recognition Award | Agora |
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Chair:
Serban-Ion Bubenek-Turconi (Bucharest, Romania)
Andreas Sandner-Kiesling (Graz, Austria)
Bernardo Matias (Setubal, Portugal)

An alternative approach to teach coagulation
Bernd Wallner (Innsbruck, Austria)

Clinical dilemmas in neuraxial blockade and anticoagulation
Cécile Hélène Kicken (Nijmegen, Netherlands)

Improving post-surgical analgesia – mistakes to be avoided
Mihai Octavian Botea (Oradea, Romania)

Simulation Based Education: safe e-learning approach
Rosa Roberta Caporusso (Foggia, Italy)

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| S | 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 | Trainee Booth |
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Chair:
Anne Blank (Berlin, Germany)
Gustavo Norte (Coimbra, Portugal)

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

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

The international perspective: ESRA Residents & Trainees section
Martina Rekatsina (Athens, Greece)

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| L | 01L4 Lecture | Sunday, 2 June 09:15 - 10:00 | Inhaled agents, carrier gases and the environment | Cello Hall |
|  | | | Chair: Vincent Bonhomme (Liège, Belgium) | |
| | | | Speaker: Ole John Nielsen (Copenhagen, Denmark) | |
| L | 01L5 Lecture | Sunday, 2 June 09:15 - 10:00 | Perioperative blood pressure management: what is the optimal blood pressure? | Strauss 2 |
|  |  | | | |
| | | | Chair: Thomas Scheeren* (Groningen, Netherlands) | |
| | | | Speaker: Bernd Saugel* (Hamburg, Germany) | |
| RC | 02RC1 Refresher Course | Sunday, 2 June 09:15 - 10:00 | Ambulatory anaesthesia: the state of the art | Flute Hall |
|  | | | Chair: Mark Skues (Chester, United Kingdom) | |
| | | | Speaker: Ian Smith (Stoke-on-Trent, United Kingdom) | |
| L | 03L1 Lecture | Sunday, 2 June 09:15 - 10:00 | Fascia plane blocks – Old techniques, new perspectives | Schubert 5 |
|  | | | Chair: Eric Albrecht* (Lausanne, Switzerland) | |
| | | | Speaker: David Johnston (Belfast, United Kingdom) | |
| L | 04L1 Lecture | 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 | Lehar 1 |
|  | | | Chair: Nuala Lucas (London, United Kingdom) | |
| | | | Speaker: Ronald B. George (Halifax, Canada) | |

L 09L2 Sunday, 2 June **Hot topics in intensive care medicine - Last 12 months' top publications** Piano Hall
 Lecture 09:15 - 10:00



Chair:
 Cesare Gregoretti* (Palermo, Italy)

Speaker:
 Davide Chiumello (Milan, Italy)

L 13L3 Sunday, 2 June **(Hocus) POCUS: magic perioperative applications of ultrasound** Stolz
 Lecture 09:15 - 10:00



Chair:
 Gabriella Iohom (Cork, Ireland)

Speaker:
 Rosemary Hogg (Belfast, United Kingdom)

RC 15RC1 Sunday, 2 June **Postoperative stroke: an update** Strauss
 Refresher Course 09:15 - 10:00 1



Chair:
 Concezione Tommasino (Milano, Italy)

Speaker:
 Idit Matot (Tel Aviv, Israel)

S 04S2 Sunday, 2 June **Tips and tricks in obstetric anaesthesia, analgesia and resuscitation** Flute Hall
 Symposium 10:30 - 12:00



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, United States)

Bleeding management in obstetric haemorrhage
 Anne-Sophie Bouthors (Lille, France)

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| S | 06S1 Symposium | Sunday, 2 June 10:30 - 12:00 | Critical conditions in neuroanaesthesia: how do we face them? | Strauss 2 |
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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)

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| S | 07S3 Symposium | Sunday, 2 June 10:30 - 12:00 | Controversies in the perioperative management of the cardiac patient: 10 minutes to convince | Piano Hall |
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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)

S 09S2 Sunday, 2 June **Strategies to improve outcomes in critical care medicine** Lehar 1
 Symposium 10:30 - 12:00



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)

S 11S2 Sunday, 2 June **New tools in airway management: promises kept or much ado about nothing?** Cello Hall
 Symposium 10:30 - 12:00



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 Theiler* (Bern, Switzerland)

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

Everything around oxygen: perioxxygenation
 Massimiliano Sorbello* (Catania, Italy)

S 13S3 Sunday, 2 June **Safer anaesthesia for the morbidly obese patient** Strauss 1
 Symposium 10:30 - 12:00
 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 Margaron (Chichester, United Kingdom)

S 14S3
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

Stolz



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)

S 16S3
Symposium

Sunday, 2 June
10:30 - 12:00

PERSEUS guidelines

Violin Hall



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)

S 16S4
Symposium

Sunday, 2 June
11:00 - 12:00

ESA Trainee Network: "Trainees for Trainees"

Agora

Symposium organised by the ESA Trainees Committee



Chair:

Mario Zerafa (Msida, Malta)

Non-Technical Skills - What's in it for my patient and I?

Rikke Malene Jepsen (Hvidovre, Denmark)

The role of the anaesthesiologist in humanitarian missions

Gustavo Norte (Coimbra, Portugal)

News on diabetes care in the OR and ICU

Abraham Hulst (Amsterdam, Netherlands)

D 01D2 Sunday, 2 June **WHO-recommendation for 80% oxygen – consigned to history? Pro-Con** Strauss
 Pro & Con Debate 14:00 - 15:00 1



Chair:
 Tony Gin (Hong Kong, China)

Pro
 Markus W. Hollmann (Amsterdam, Netherlands)

Con
 Marc Moritz Berger (Salzburg, Austria)

S 01S7 Sunday, 2 June **From big data via machine learning to predictive modelling** Violin
 Symposium 14:00 - 15:00 Hall



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)

S 07S4 Sunday, 2 June **Dexmedetomidine in anaesthesia and intensive care** Flute
 Symposium 14:00 - 15:00 Hall



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)

S 09S3 Sunday, 2 June **Resuscitation in septic shock: is less better?** Piano
 Symposium 14:00 - 15:00 Hall



Chair:

Davide Chiumello (Milan, Italy)

Less fluids?

Gernot Marx* (Aachen, Germany)

Less vasopressors?

Claude Martin (Marseille, France)

Less inotropes?

Jean-Louis Vincent (Brussels, Belgium)

S 13S4 Sunday, 2 June **Update for opioid saving in the perioperative period** Lehar 1
 Symposium 14:00 - 15:00



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)

S 15S3 Sunday, 2 June **Preventing complications in the elderly** Strauss
 Symposium 14:00 - 15:00 2



Chair:

Ulf Guenther* (Oldenburg, Germany)

Should this elderly patient be admitted to the intensive care unit (ICU)?

Concezione Tommasino (Milano, Italy)

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)

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 16S5 Sunday, 2 June **Medical ethical dilemmas: more than a burden?** Stolz
 Symposium 14:00 - 15:00



Chair:
 Colin Hutchison (Paisley, United Kingdom)

The DNR tattoo: more than a picture?
 Hartmut Bürkle (Freiburg, Germany)

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

PC
 BAPC Sunday, 2 June **Best Abstract Prize Competition** Agora
 Prize Competition 14:00 - 16:00



Chair:
 Charles Marc Samama (Paris, France)
 Esther M. Pogatzki-Zahn* (Münster, Germany)
 Alexander Zarbock* (Münster, Germany)

Dexmedetomidine increases expression of peroxisome proliferator-activated receptor gamma (PPAR-gamma) in LPS-stimulated mouse macrophage-like cells
 Maki Fujimoto (Okayama, Japan)

Remote ischemic preconditioning attenuates lipopolysaccharide induced systemic inflammation through suppressing MAPK/AKT/NF-kB/COX-2 pathway, regardless of RIPC applied time
 Eun-Ji Ko (Seoul, South Korea)

Dose-response relationship of perineural dexamethasone for interscalene brachial plexus block: a randomised, controlled, triple-blinded trial.
 Idris Piepers (Leuven, Belgium)

In vivo performance of a membrane CO2 scrubber during target controlled closed-circuit anesthesia
 Sarah Eerlings (Aalst, Belgium)

Comparison of distribution patterns among three approaches for quadratus lumborum block: an imaging study by 3D-CT scanning
 Gert-Jan Eerdekens (Genk, Belgium)

Lidocaine levels when used intravenously or in thoracic paravertebral space during lung resection surgery.
 Pablo Tomás Aznar (Madrid, Spain)

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| S | ESAS5 Symposium | Sunday, 2 June 14:00 - 15:00 | Diversity and anaesthesia: is there a gender problem? | Cello Hall |
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Chair:

Maria Cristina Honorato (Pamplona, Spain)
Stefan De Hert (Ghent, Belgium)

The situation in Europe: call for action

Daniela Filipescu (Bucharest, Romania)

The situation in the U.S.: ASA perspective and approach

Elizabeth Rebello* (Houston, United States)

The Australian and New Zealand College of Anaesthetists (ANZCA) approach and strategy

Nicole Phillips (Wahroonga, Australia)

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| S | ESAS6 Symposium | Sunday, 2 June 14:00 - 15:00 | ESA Trainee Network Booth Session: Hot topics by past YTRA winners Session organised by the ESA Trainee Committee | Trainee Booth |
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Chair:

Diogo Sobreira Fernandes (Porto, Portugal)

Diaphragm-protective ventilation

Tom Schepens (Edegem, Belgium)

A way forward in pulmonary aspiration incidence reduction: ultrasound, mathematics, and worldwide data collection

Marko Zdravkovic (Maribor, Slovenia)

Trauma - Goal Directed Treatment based on ROTEM

Igor Vaskovic (Belgrade, Serbia)

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| S | 13S9 Symposium | Sunday, 2 June 14:45 - 16:15 | Acute care and monitoring of high-risk surgical patients outside the OR and the ICU (1) | Schubert 5 |
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Symposium organised by the European Society for Computing and Technology in Anaesthesia and Intensive Care (ESCTAIC)



Chair:

Gabriel Gurman (Omer, Israel)

High-risk patients at discharge from the ICU – When and how?

Karim Bendjelid (Geneva, Switzerland)

High-risk surgical patients after OR – ICU, IMC-U or ward – Choosing wisely!

Bernhard Walder (Geneva, Switzerland)

Perioperative care on the ward - The role of the anaesthesiologist

Bart Geerts (Amsterdam, Netherlands)

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| S | 03S3 Symposium | Sunday, 2 June 15:15 - 16:15 | Regional anaesthesia: secret recipes from experts | Flute Hall |
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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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| S | 04S3 Symposium | Sunday, 2 June 15:15 - 16:15 | Preeclampsia – What's new? | Stolz |
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Chair:

Frédéric Mercier (Clamart, France)

Obstetric management

Vassilis Tsatsaris* (Paris, France)

Anaesthetic and resuscitation management

Clemens Ortner (Stanford, United States)

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| S | 05S2 Symposium | Sunday, 2 June 15:15 - 16:15 | The paediatric airway | Cello Hall |
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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)

S 06S2 Sunday, 2 June **Anaesthesia for invasive brain radiology** Lehar 1
 Symposium 15:15 - 16:15



Chair:

Martin Söhle* (Bonn, Germany)

General anaesthesia vs. local anaesthesia with conscious sedation: does it really matter?

Alexander Zlotnik (Beer-Sheva, Israel)

Intraoperative non-invasive brain monitoring

Rita Bertuletti (Brescia, Italy)

The radiologist's point of view: basics of the procedure and expectation of the anaesthesiologist

Jordi Blasco (Barcelona, Spain)

S 08S2 Sunday, 2 June **Pain management in critically ill patients** Strauss 1
 Symposium 15:15 - 16:15



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)

S 09S4 Sunday, 2 June **The future of ICU** Violin Hall
 Symposium 15:15 - 16:15



Chair:

Zsolt Molnar* (Szeged, Hungary)

The era of precision medicine

Jean-Louis Vincent (Brussels, Belgium)

Typology of ICU patients in 2050

Maurizio Cecconi (Milan, Italy)

How will the extracorporeal membrane oxygenation (ECMO) story continue?

Antonio Pesenti (Milan, Italy)

L 10L1 Sunday, 2 June **Hot Topics in Critical Emergency Medicine - Last 12 months' top publications** Piano Hall
 Lecture 15:15 - 16:00



Chair:

Ayten Saracoglu (Istanbul, Turkey)

Speaker:

Catherine Heim (Lausanne, Switzerland)

S 13S5 Sunday, 2 June **Global safe surgery, obstetric and anaesthesia 2030** Strauss
 Symposium 15:15 - 16:15 Symposium organised by the World Federation of Societies of Anaesthesiologists (WFSA) 2



Chair:

Davy Cheng (London, Canada)

Safe obstetric and neonatal resuscitation globally by 2030: the role of anaesthesia

Angela Enright (Victoria, Canada)



Safe Surgery Globally by 2030: the role of anaesthesia

Rob McDougall (Vienna, Austria)

Influencing the authorities – the role of national planning

Jannicke Mellin-Olsen (Haslum, Norway)

D 01D3 Sunday, 2 June **Sugammadex should be the first line reversal agent: Pro-Con** Piano
 Pro & Con Debate 17:00 - 18:00 Hall



Chair:

Thomas Fuchs-Buder* (Nancy, France)

Pro

Hans Donald De Boer* (Groningen, Netherlands)

Con

Radmilo Jankovic (Nis, Serbia)

S 02S1 Sunday, 2 June **Diabetes mellitus in the ambulatory setting** Flute
 Symposium 17:00 - 18:00 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-Boghdady* (London, United Kingdom)

New drugs for diabetes in the perioperative setting

Jeroen Hermanides (Amsterdam, Netherlands)

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| S | 05S3 Symposium | Sunday, 2 June 17:00 - 18:00 | ESA Trainee Network: networking with the experts in paediatric anaesthesiology Symposium organised by the ESA Trainees Committee | Agora |
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| 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) |

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| S | 07S5 Symposium | Sunday, 2 June 17:00 - 18:00 | Challenges in cardiovascular anaesthesia | Cello Hall |
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| 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) |

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| S | 09S5 Symposium | Sunday, 2 June 17:00 - 18:00 | Palliative care in the intensive care unit (ICU) | Strauss 1 |
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| Chair: Hartmut Bürkle (Freiburg, Germany) |
| Assessment and management of symptoms in ICU Gerald Chanques* (Montpellier, France) |
| Dealing with dying patients and their relatives Paul McConnell (Paisley, United Kingdom) |
| Withdrawal of life support in ICU Sebastiano Mercadante (Palermo, Italy) |

S 09S6 Sunday, 2 June **Patient Safety within ESA & ESICM – projects and achievements** Violin Hall
 Symposium 17:00 - 18:00 Symposium organised in collaboration with the European Society of Intensive Care Medicine (ESICM)



Chair:
Kai Zacharowski* (Frankfurt , Germany)

ESA President
Stefan De Hert (Ghent, Belgium)

ESICM President
Jozef Kesecioglu (Utrecht, Netherlands)

ESA President Elect
Kai Zacharowski* (Frankfurt , Germany)

ESICM President-elect
Maurizio Cecconi (Milan, Italy)

S 10S4 Sunday, 2 June **Major trauma and resuscitation update - Perioperative management and outcomes** Strauss 2
 Symposium 17:00 - 18:00 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)

S 10S5 Sunday, 2 June **New developments in critical emergency medicine** Lehar 1
 Symposium 17:00 - 18:00



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?
Jacob Steinmetz (Copenhagen, Denmark)

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|-----------|--------------------------|---------------------------------|--|---------------|
| ME | 12ME1 Meet the Expert | Sunday, 2 June 17:00 - 17:45 | A practical approach to massive hemorrhage and coagulation problems in trauma patients in the ICU Session organised by the Trainee Committee | Trainee Booth |
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Chair:
Matija Majic (Zagreb, Croatia)

Speaker:
Christian von Heymann* (Berlin, Germany)

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| S | 13S6 Symposium | Sunday, 2 June 17:00 - 18:00 | 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) | Schubert 5 |
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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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| S | ESAS7 Symposium | Sunday, 2 June 17:00 - 18:00 | History of anaesthesia | Stolz |
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Chair:
Alistair McKenzie (Edinburgh, United Kingdom)

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

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

Pain therapy and acupuncture in Austria
Anna Spacek (Vienna, Austria)

S 07S6 Monday, 3 June **Improving postoperative monitoring on the ward for the cardiac risk patient** Piano Hall
Symposium 08:15-09:15



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)

S 01S8 Monday, 3 June **Adverse long-term effects of general anaesthesia** Cello Hall
Symposium 08:30 - 09:30
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)

S 02S2 Monday, 3 June **Perioperative management of antithrombotic therapy in ambulatory anaesthesia** Flute Hall
Symposium 08:30 - 09:30



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)

S 05S4 Monday, 3 June **Best practice for blood management in children** Strauss
 Symposium 08:30 - 09:30 Symposium organised in collaboration with the European Society of Paediatric Anaesthesiology (ESPA) 1



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)

S 08S3 Monday, 3 June **Omics and pain: where are we here?** Agora
 Symposium 08:30 - 09:30



Chair:

Winfried Meissner (Jena, Germany)

Genomics and pain

Bert Joosten (Maastricht, Netherlands)

Proteomics and pain

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

S 10S6 Monday, 3 June **The role of ultrasound in acute cardiac care monitoring** Lehar 1
 Symposium 08:30 - 09:30



Chair:

Thomas Scheeren* (Groningen, Netherlands)

In cardiac arrest






Raoul Breikreutz (Frankfurt, Germany)

In acute heart failure and cardiogenic shock

Fabio Guarracino (Pisa, Italy)

For regional hemodynamic assessment

Antoine Vieillard-Baron* (Paris, France)

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| S | 13S7 Symposium | Monday, 3 June 08:30 - 09:30 | A U.S. perspective on subspecialty best practices and latest guidelines Symposium organised by the American Society of Anesthesiologists (ASA) | Violin Hall |
|  | |  | 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) | |
| L | 14L2 Lecture | Monday, 3 June 08:30 - 09:15 | Patient safety in European anaesthesiology and the impact of the Helsinki Declaration | Schubert 5 |
|  | | | Chair: Johannes Wacker (Zürich, Switzerland) | |
| | | | Speaker: Andrew Fairley Smith* (Lancaster, United Kingdom) | |
| S | 16S6 Symposium | Monday, 3 June 08:30 - 09:30 | Teaching the future specialists in anaesthesiology Symposium organised by the National Anaesthesiologists Societies Committee (NASC) | Strauss 2 |
|  | | | 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) | |

S ESAS10 Monday, 3 June **Residual complications and pulmonary complications: the POPULAR study** Stolz
 Symposium 08:30 - 09:30 Symposium organised by the ESA Research Committee



Chair:

Anil Gupta (Stockholm, Sweden)

Clinical consequences of POPULAR study for daily practice

Hans Donald De Boer* (Groningen, Netherlands)

The POPULAR results

Manfred Blobner* (Munich, Germany)

Neuromuscular management after POPULAR: did we do wrong in the past?

Thomas Fuchs-Buder* (Nancy, France)

S 03S4 Monday, 3 June **Regional anaesthesia: past, present, future** Piano
 Symposium 09:30 - 10:30 Hall



Chair:

Peter Marhofer (Vienna, Austria)

Regional anaesthesia: past

Peter Marhofer (Vienna, Austria)

Regional anaesthesia: present

Gerhard Fritsch (Vienna, Austria)

Regional anaesthesia: future

Manfred Greher (Vienna, Austria)

L 01L6 Monday, 3 June **Hot Topics in Anaesthesiology - Last 12 months' top publications** Violin
 Lecture 09:45 - 10:30 Hall



Chair:

Charles Marc Samama (Paris, France)

Speaker:

Andreas Hoeft (Bonn, Germany)

RC 01RC2 Monday, 3 June **Fluids, blood and oxygen: friends or foes?** Strauss
 Refresher Course 09:45 - 10:30 1



Chair:

Bernd Saugel* (Hamburg, Germany)

Speaker:

Thomas Scheeren* (Groningen, Netherlands)

L 05L1 Monday, 3 June **From acute to chronic pain in children** Cello Hall
Lecture 09:45 - 10:30



Chair:
Laszlo Vutskits (Geneva, Switzerland)

Speaker:
Suellen Walker (London, United Kingdom)

ME 06ME1 Monday, 3 June **A practical approach to TBI in the ICU** Trainee Booth
Meet the Expert 09:45 - 10:30
Session organised by the Trainee Committee



Chair:
Matija Majic (Zagreb, Croatia)

Speaker:
Aeyal Raz* (Madison, United States)

RC 07RC2 Monday, 3 June **Trans-catheter Aortic Valve insertion (TAVI) in 2019: an update** Stolz
Refresher Course 09:45 - 10:30



Chair:
Bernard Cholley* (Paris, France)

Speaker:
Benedikt Preckel* (Amsterdam, Netherlands)

ME 11ME2 Monday, 3 June **Tracheal introducers and airway catheters: tips and tricks** Schubert 5
Meet the Expert 09:45 - 10:30



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

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

Tracheal introducers and airway catheters: pitfalls and dangers
Iljaz Hodzovic* (Cardiff, United Kingdom)

PBLD 11PBLD1 Monday, 3 June **A difficult airway case: is prediction still important?** Agora
Problem Based Learning Discussion



Chair:
Pedro Charco (Valencia, Spain)

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

RC 11RC1 Monday, 3 June **Protecting the lungs and the diaphragm: a new paradigm in mechanical ventilation** Lehar 1
Refresher Course 09:45 - 10:30
Young Teaching Recognition Award winner 2018



Chair:
Robert Greif* (Bern, Switzerland)

Speaker:
Tom Schepens (Edegem, Belgium)

L 13L4 Monday, 3 June **Postoperative opioid induced respiratory depression, is it really a problem? Results of PRODIGY and beyond** Strauss 2
Lecture 09:45 - 10:30
Late-Breaking Session



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

Speaker:
Wolfgang Buhre* (Maastricht, Netherlands)

L ESAL2 Monday, 3 June **New developments in Asian anaesthesia** Flute Hall
Lecture 09:45 - 10:30
Session organised by the Japanese Society of Anesthesiologists (JSA) and the Korean Society of Anesthesiologists (KSA)



Chair:
TBA

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)

S 03S5 Monday, 3 June **Regional anaesthesia for ambulatory surgery** Stolz
 Symposium 11:00 - 12:00



Chair:
 Tatiana Sidiropoulou (Athens, Greece)

Shoulder arthroscopic surgery
 Morne Wolmarans (Norwich, United Kingdom)

Anterior cruciate ligament reconstruction
 Pia Jæger (Copenhagen, Denmark)

Foot surgery
 Luc Sermeus* (Edegem, Belgium)

L 04L2 Monday, 3 June **Hot Topics in Obstetric Analgesia and Anaesthesia - Last 12 months' top publications** Violin Hall
 Lecture 11:00 - 11:45



Chair:
 Carolyn Weiniger (Tel Aviv, Israel)

Speaker:
 Dominique Chassard (Bron, France)

S 07S7 Monday, 3 June **Neuromonitoring during cardiovascular anaesthesia** Strauss
 Symposium 11:00 - 12:00 Symposium organised in collaboration with the European Association of Cardiothoracic Anaesthesiology (EACTA) ²



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

Depth of anaesthesia 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

S 10S7 Symposium Monday, 3 June **Ventilation strategies during cardiopulmonary resuscitation (CPR)** Strauss 1



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)

S 11S3 Symposium Monday, 3 June **Assisted ventilation in the intensive care unit: from fixed support to proportional ventilation** Lehar 1



Chair:
 Gary Mills (Sheffield, United Kingdom)

Is pressure support ventilation (PSV) still the gold standard?
 Salvatore Grasso* (Bari, Italy)

Proportional assist ventilation (PAV): from theory to practice
 Alexandre Demoule* (Paris, France)

Neural adjusted ventilator assist (NAVA): a new paradigm?
 Lucia Mirabella (Foggia, Italy)

S 11S5 Symposium Monday, 3 June **Current trends and debates in airway research** Schubert 5
 Late-Breaking Session



Chair:
 Robert Greif* (Bern, Switzerland)
 Massimiliano Sorbello* (Catania, Italy)

Key publications about predicting a difficult airway
 Anders Kehlet Noerskov (Copenhagen N, Denmark)

Key publications about intubation in ICU
 Olivier Langeron* (PARIS, France)

Key publications about FiO2 in perioperative practice
 Francisco Javier Belda Nacher (VALENCIA, Spain)

S 12S3 Monday, 3 June **Is there a superior transfusion algorithm?** Flute Hall
Symposium 11:00 - 12:00



Chair:

Christa Boer (Amsterdam, Netherlands)

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)

S ESAS8 Monday, 3 June **ESA Clinical Trials Network (CTN): Research in action** Agora
Symposium 11:00 - 12:00
Symposium organised by the ESA Research Committee



Chair:

Alexander Zarbock* (Münster, Germany)

Concept of Clinical Trial Network and success of past studies

Wolfgang Buhre* (Maastricht, Netherlands)

OBTAIN CTN Study: occurrence of bleeding and thrombosis during antiplatelet therapy in non-cardiac surgery

Simon Howell (Leeds, United Kingdom)

PROBESE CTN Study: protective ventilation with higher versus lower PEEP during general anaesthesia for surgery in obese patients

Marcelo Gama de Abreu* (Dresden, Germany)

S ESAS9 Monday, 3 June **Sustainability: not only in the operating room!** Cello Hall
Symposium 11:00 - 12:00



Chair:

Sinikka Münte (Helsinki, Finland)

Pierre Albaladejo* (Grenoble, France)

Fostering low carbon healthcare

Herwig Gerlach (Berlin, Germany)

Sustainability initiatives in the United Kingdom and at the Royal College of Anaesthetists

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

Fast-tracking as an opportunity for greening!

Helene Beloeil (Rennes, France)

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| RC | 07RC3 Refresher Course | Monday, 3 June 14:00 - 14:45 | Haemodynamic goal-directed therapy : are closed-loop systems the future? Young Teaching Recognition Award winner 2018 | Strauss 1 |
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Chair:
Jean-Luc Fellahi (Lyon, France)

Speaker:
Sean Coeckelenbergh (Brussels, Belgium)

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| S | 10S8 Symposium | Monday, 3 June 14:00 - 15:00 | The role of emergency non-invasive ventilation | Stolz |
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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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| S | 10S9 Symposium | Monday, 3 June 14:00 - 15:00 | Trauma - State of the art Symposium organised by the European Trauma Course Organisation (ETCO) | Strauss 2 |
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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)

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| D | 11D1 Pro & Con Debate | Monday, 3 June 14:00 - 15:00 | Positive end-expiratory pressure (PEEP) should always be used: Pro-Con | Agora |
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Chair:
Paolo Pelosi (Genoa, Italy)

Pro
Christian Putensen (Bonn, Germany)

Con
Marcus Schultz (Amsterdam, Netherlands)

S 12S4 Symposium Monday, 3 June 14:00 - 15:00 **Update of the European guidelines for the management of bleeding and coagulopathy: what's new in diagnostics and treatment** Cello Hall



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)

S 13S8 Symposium Monday, 3 June 14:00 - 15:00 **New vistas on overcoming failure to rescue** Violin Hall



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)

S 16S7 Symposium Monday, 3 June 14:00 - 15:00 **Implications of the updated European Training Requirement (ETR)** Lehar 1
 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)

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| S | ESAS11 Symposium | Monday, 3 June 14:00 - 15:00 | ESA support to researchers: the ESA grants Symposium organised by the ESA Research Committee | Schubert 5 |
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Chair:

Thomas Fuchs-Buder* (Nancy, France)

Submitting an application for an ESA research 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

Thomas Fuchs-Buder* (Nancy, France)

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| L | 08L1 Lecture | Monday, 3 June 14:15 - 15:00 | Hot Topics in Pain Medicine: Last 12 months' top publications | Piano Hall |
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Chair:

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

Acute pain

Patricia Lavandhomme (Brussels, Belgium)

Chronic pain

Marc René Suter (Lausanne, Switzerland)

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| S | 05S5 Symposium | Monday, 3 June 15:30 - 16:30 | Paediatric anaesthesia and neurological outcome: the GAS Study Late-Breaking Session | Strauss 2 |
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Chair:

Laszlo Vutskits (Geneva, Switzerland)

The GAS Study results

Nicola Disma (Genoa, Italy)

Rationale for the neurological outcomes

Liam Dorris (Glasgow, United Kingdom)

The need for future research

Marry Ellen McCann (Boston, United States)

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| L | 06L1 Lecture | Monday, 3 June 15:30 - 16:15 | Hot Topics in Neuroanaesthesia - Last 12 months' top publications | Stolz |
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Chair:

Alexander Zlotnik (Beer-Sheva, Israel)

Speaker:

Martin Söhle* (Bonn, Germany)

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| RC | 07RC4 Refresher Course | Monday, 3 June 15:30 - 16:15 | Extracorporeal membrane oxygenation (ECMO): indications, techniques and limitations | Flute Hall |
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Chair:
Christian Putensen (Bonn, Germany)

Speaker:
Bernard Cholley* (Paris, France)

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| S | 11S4 Symposium | Monday, 3 June 15:30 - 16:30 | Highlights in anaesthesia for thoracic surgery Symposium organised by the Brazilian Society of Anesthesiology (SBA) | Cello Hall |
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Chair:
Chiara Scaglioni Tessmer Gatto (Sao Paolo, 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)

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| S | 14S4 Symposium | Monday, 3 June 15:30 - 16:30 | Detecting and eliminating medication errors | Strauss 1 |
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Chair:
Johannes Wacker (Zürich, Switzerland)

Medication without harm - WHO's third global patient safety challenge
Simon Peitersen (Geneva, Switzerland)

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)



S 16S8 Monday, 3 June **Education in the future...** Lehar 1
Symposium 15:30 - 16:30



Chair:

Leila Niemi-Murola (Helsinki, Finland)

Which competencies do anaesthesiologists 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)

S ESAS12 Monday, 3 June **Newest ESA guidelines presentation** Piano
Symposium 15:30 - 16:30 Symposium organised by the ESA Guidelines Committee Hall



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)

S ESAS13 Monday, 3 June **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** Violin
Symposium 15:30 - 16:30 Symposium organised by the National Organising Committee (NOC) Hall



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)

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Programme last update 27 May 2019