GENERAL ANAESTHESIOLOGY
Learning track 01

01S1 Symposium 60'
What's new in patient monitoring?

Chair:
Thomas Scheeren* (Groningen, Netherlands)

Are we ready for non-invasive hemodynamic monitoring?
Michael Sander* (Giessen, Germany)

Can we monitor and target the microcirculation in the perioperative setting?
Jacques Duranteau (Le Kremlin-Bicêtre, France)

How should patients on the normal ward be monitored in 2030?
Wolfgang Buhre* (Maastricht, Netherlands)

01S2 Symposium 60'
Opportunities and challenges with dexmedetomidine

Chair:
Stefan Schraag (Clydebank, United Kingdom)

Using dexmedetomidine to prevent and treat delirium and postoperative cognitive dysfunction
Daqing Ma (London, United Kingdom)

Influence of dexmedetomidine on cancer growth and metastasis
Donal J. Buggy (Dublin, Ireland)

Target-controlled infusion for dexmedetomidine
Michel Struys* (Groningen, Netherlands)

01RC1 Refresher Course
New drugs for anaesthesia: ready to launch?

Chair:
Stefan Schraag (Clydebank, United Kingdom)

New drugs for the anaesthesiologist: ready to launch?
Michel Struys* (Groningen, Netherlands)
**Perioperative Neurocognitive Disorder; nomenclature, research guidelines and best practices**

**Chair:**
Hugo Vereecke (Brugge, Belgium)

**Nomenclature of cognitive change associated with anaesthesia and surgery-update**
Roderic G. Eckenhoff (Philadelphia, United States)

**Pharmacology for anaesthesiologists - Principals and pitfalls for the European Diploma in Anaesthesiology and Intensive Care (EDAIC)**

**Chair:**
Michel Struys* (Groningen, Netherlands)

**Pharmacology for anaesthesiologists - Principals and pitfalls for the EDAIC**
Philip Hopkins (Leeds, United Kingdom)

**Bispectral index, state and response entropy, quantification of consciousness, patient state index: different or more of the same?**

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

**Speaker:**
Hugo Vereecke (Brugge, Belgium)

**Biomarkers of Perioperative Neurocognitive Disorder (PND) vulnerability and progression**

**Chair:**
Roderic G. Eckenhoff (Philadelphia, United States)

**Can EEG patterns, at baseline or in response to anesthetic drugs, predict PND?**
Patrick Purdon (Boston, United States)

**What does PET imaging or CSF reveal about the brain’s vulnerability or response to anesthesia and surgery?**
Lars I Eriksson (Stockholm, Sweden)

**Can fMRI predict how the older brain will respond to stresses like anaesthesia and surgery?**
James Ibinson (Pittsburgh, United States)

**Progress in the detection and application of central nervous system injury biomarkers in biofluids**
Kaj Blennow (Gothenburg, Sweden)

**Novel biomarkers of neurodegeneration**
Roderic G. Eckenhoff (Philadelphia, United States)
Practical ethical issues in perioperative medicine

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

Can women in labour give informed consent to epidural analgesia?
Alexandra Schyns-Van Den Berg (Dordrecht, Netherlands)

Parent/medical team conflicts in the management of children
Paul McConnell (Paisley, United Kingdom)

How to say that we need to cancel your operation?
Louise Denholm (Paisley, United Kingdom)

Consciousness, unconsciousness and general anaesthesia

Chair: Michel Struys* (Groningen, Netherlands)

Measuring consciousness
Pedro Gambus* (Barcelona, Spain)

How do general anaesthetics cause unconsciousness?
Hugh Hemmings* (New York, United States)

Breakthrough awareness during surgery: can we detect and prevent it?
Aeyal Raz* (Haifa, Israel)

Opportunities and challenges for new hypnotics

Chair: Philip Hopkins (Leeds, United Kingdom)

Remimazolam for general anaesthesia and sedation
Joerg Fechner* (Erlangen, Germany)

Can a drug be better than propofol?
Stefan Schraag (Clydebank, United Kingdom)

Should we look outside the GABA receptor for new hypnotics?
J. Robert Sneyd* (Plymouth, United Kingdom)

Hot topics in general anaesthesiology - Last 12 months' top publications

Chair: Anthony Absalom* (Groningen, Netherlands)

Speaker: Andreas Hoeft* (Bonn, Germany)
The role of perioperative echocardiography in 2020

Chair:
Jean-Luc Fellahi* (Lyon, France)

The role of perioperative echocardiography in 2020
Michelle Chew* (Linkoping, Sweden)

Preoperative echocardiography assessment: what should I look for?
Nick Fletcher (London, United Kingdom)

The impact of diastolic dysfunction in the perioperative period
Filippo Sanfilippo (Catania, Italy)

Which drug should I stop or continue before anaesthesia?

Chair:
Maria Wittmann (Bonn, Germany)

Should I stop or continue drugs before giving anaesthesia?
Michel Struys* (Groningen, Netherlands)

Outbreak risks: providing surgery, anaesthesia & perioperative care during a pandemic

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

Chair:
Jannicke Mellin-Olsen (Rud, Norway)
Davy Cheng (London, Canada)

What is the excess risk of infection and death for surgical patients and health care workers during an outbreak? Global Evidence from COVID-19, SARS, MERS, and Ebola.
Janet Martin (London, Canada)

Guidelines for anaesthesia and perioperative care in the context of a Coronavirus outbreak
Davy Cheng (London, Canada)

Surgery and anaesthesia care within the context of epidemic and pandemic viral disease: WHO perspective
Walter Johnson (Geneva, Switzerland)

Deep neuromuscular block - A standard of care: Pro-Con

Chair:
Maria Wittmann (Bonn, Germany)

PRO
Christoph Unterbuchner (Regensburg, Germany)
Perioperative fluid therapy in 2020

Chair:
Wolfgang Buhre* (Maastricht, Netherlands)

Is there still a place for HES in the OR?
Alexandre Joosten* (Brussels, Belgium)

Is there still a place for HES in the ICU?
Daniel Chappell* (Munich, Germany)

What's new in fluid responsiveness assessment?
Thomas Scheeren* (Groningen, Netherlands)

Artificial intelligence in perioperative medicine – Current concepts and future directions

Chair:
Oliver Kimberger* (Vienna, Austria)

Big data, artificial intelligence, machine learning – What do these "buzz words" really mean?
Frédéric Michard* (Denens, Switzerland)

We need "perioperative intelligence" to use artificial intelligence in perioperative medicine
Kamal Maheshwari* (Cleveland, United States)

How to use artificial intelligence in perioperative care – Practical examples
Oliver Kimberger* (Vienna, Austria)

Hypotension, organ injury and outcomes
Session organised by the British Journal of Anaesthesia (BJA)

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

Perioperative blood pressure and outcomes: what perioperative quality initiative has to say
Monty Mythen* (London, United Kingdom)

Role of perioperative hypotension in myocardial injury
Duminda Wijeysundera (Toronto, Canada)

Monitoring approaches to minimizing organ injury
Christa Boer (Amsterdam, Netherlands)
### TransUrethral Resection of the Prostate (TURP) in ambulatory surgery

**Chair:** Gilda Cinnella (Foggia, Italy)

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<td><strong>Challenges of day-case TURP</strong></td>
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<td>Jeroen Hermanides (Amsterdam, Netherlands)</td>
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<td><strong>Fluids and hemodynamic management</strong></td>
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<td>Tatjana Simurina (Zadar, Croatia)</td>
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<td><strong>Postoperative cognitive disorders and chronic deceases</strong></td>
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<td>Antonella Cotoia (Foggia, Italy)</td>
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### Elderly patients undergoing ambulatory surgery

**Chair:** Gilda Cinnella (Foggia, Italy)

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<td><strong>Multi-medication use during ambulatory surgery</strong></td>
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<td>Jan H. Eshuis (Amsterdam, Netherlands)</td>
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<td><strong>Postoperative cognitive dysfunction and delirium</strong></td>
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<td>Lars Simon Rasmussen (Copenhagen, Denmark)</td>
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<td><strong>Management of patients under anticoagulant drugs</strong></td>
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<td>Lucia Mirabella (Foggia, Italy)</td>
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REGIONAL ANAESTHESIA
Learning track 03

03S1 Symposium 60'
Joint arthroplasty: essential tools for a performing program

Chair:
Kariem El-Boghdady (London, United Kingdom)

Anaesthesia in high risk patients for knee/hip arthroplasty: keep it simple
Alan Macfarlane (Glasgow, United Kingdom)

Clinical pathways for knee/hip arthroplasty: essentials
Matthias Desmet (Kortrijk, Belgium)

Knee blocks for knee arthroplasty
Eric Albrecht (Lausanne, Switzerland)

03S2 Symposium 60'
Hot topics in regional anaesthesia - Last 12 months' top publications

Chair:
Eric Albrecht (Lausanne, Switzerland)

Selected papers from Tatiana
Tatiana Sidiropoulou (Athens, Greece)

Selected papers from Alan
Alan Macfarlane (Glasgow, United Kingdom)

Selected papers from Morné
Morne Wolmarans* (Norwich, United Kingdom)

03RC1 Refresher Course
Pearls in paediatric regional anaesthesia

Chair:
Luc Sermeus* (Brussels, Belgium)

Pearls in paediatric regional anaesthesia
Belen De José María (Barcelona, Spain)
Safety in regional anaesthesia

Chair:
Tatiana Sidiropoulou (Athens, Greece)

Safety in regional anaesthesia
Luc Sermeus* (Brussels, Belgium)
OBSTETRIC ANAESTHESIOLOGY
Learning track 04

04S1 Symposium 60'

Obstetric nightmares

Chair:
Dominique Chassard (Bron, France)

- Learning from 60 years of maternal confidential enquiries in UK
  James Bamber* (Cambridge, United Kingdom)
- Amniotic Fluid Embolism (AFE) - New insights from research
  Marie-Pierre Bonnet (Clamart, France)
- Cardiac arrest in pregnancy - Can we do better?
  Sharon Einav (Jerusalem, Israel)

04L1 Lecture

Hot topics in obstetric anaesthesia and anaesthesia - Last 12 months' top publications

Chair:
Emilia Guasch (Madrid, Spain)

Hot topics in obstetric anaesthesia and anaesthesia
Nuala Lucas (London, United Kingdom)

04S5 Symposium 60'

Improving maternal safety

Chair:
Nuala Lucas (London, United Kingdom)

- Predicting maternal morbidity
  Brian T. Bateman* (Boston, United States)
- Improving outcomes from maternal morbidity UKOSS studies
  Marian Knight (Oxford, United Kingdom)
- Resources to plan anaesthesia management for the high risk patient
  Carolyn Weiniger (Tel Aviv, Israel)
**Symposium 60**

**Anaesthesia in mother and child: a challenge for the future**

Session organised by the European Board of Anaesthesiology (EBA)

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

**How to train better in obstetric and paediatric anaesthesia**
Edoardo De Robertis (Perugia, Italy)

**EUROMISTOBAN - An EBA project for a better mother care**
Emilia Guasch (Madrid, Spain)

**Wellbeing in obstetric practice. Can we measure and improve it?**
Estelle Morau (Montpellier, France)

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**Lightning Talks**

**Tips and tricks in obstetric anaesthesia - Analgesia and resuscitation**

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

**Pain during caesarean section under neuraxial anaesthesia: prevention and treatment**
Dan Benhamou (Paris, France)

**Rapid neuraxial anaesthesia for caesarean section**
Chris Elton (Leicester, United Kingdom)

**The pregnant woman with low platelets: can I do the epidural?**
Nuala Lucas (London, United Kingdom)

**Managing the failing labour epidural**
Emilia Guasch (Madrid, Spain)

**Point of care monitoring devices & pro-haemostatic drugs management**
Alexander Ioscovich (Jerusalem, Israel)

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**Symposium 60**

**Drugs, anaesthesia and the mother-child risk assessments**

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

**Effects of maternal drugs use on risks of congenital abnormalities: balanced decision making**
Brian T. Bateman* (Boston, United States)

**Anaesthesia during pregnancy and potential consequences for the mother and the foetus**
Sarah Devroe (Leuven, Belgium)

**Round table on the management of the pregnant patient by the anaesthesiologist - Questions & answers**
Carolyn Weiniger (Tel Aviv, Israel)
Point Of Care Ultrasound (POCUS) in obstetric anaesthesia

Chair:
Dominique Chassard (Bron, France)

Airway and pulmonary ultrasound
Michael Seltz Kristensen (Copenhagen, Denmark)

Gastric ultrasound
Peter Van de Putte (Bonheiden, Belgium)

Cardiac ultrasound
Peter Juhl-Olsen (Aarhus, Denmark)
PAEDIATRIC ANAESTHESIOLOGY
Learning track 05

05S1 Symposium 60'
Neonatal anaesthesia outcomes - The NECTARINE CTN

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

Epidemiology
Francis Veyckemans (Lille, France)

Results
Walid Habre (Geneva, Switzerland)

Future implication of the Nectarine study
Nicola Disma (Genoa, Italy)

05S4 Symposium 60'
Good clinical practice in paediatric anaesthesia
Session organised by the Scientific Subcommittee on Paediatric Anaesthesiology in collaboration with the European Society for Paediatric Anaesthesiology (ESPA)

Chair:
Laszlo Vutskits (Geneva, Switzerland)

Fasting times for milk and solids
Peter Frykholm (Uppsala, Sweden)

Which monitoring is mandatory for "safe" anaesthesia?
Ian Yuan* (Philadelphia, United States)

Should I use LMA or tracheal tube for my anaesthesia?
Britta von Ungern-Sternberg (Perth, Australia)

05S2 Symposium 60'
The paediatric airways

Chair:
Torsten Lauritsen (Copenhagen, Denmark)

Management of the anticipated difficult paediatric airway
Maren Kleine-Brueggeney (London, United Kingdom)

Frontal Neck Access (FONA) in children. Epidemiology and technique
Thomas Riva (Bern, Switzerland)
Small lumen ventilation: how to apply in paediatrics
Dietmar Enk* (Muenster, Germany)

What every anaesthesiologist should know about the paediatric airways?

Chair:
Nicola Disma (Genoa, Italy)

What every anaesthetist should know about the paediatric airways?
John Fiadjoe (Philadelphia, United States)

Is it necessary to gain IV access before instrumenting the airway or not at all for short paediatric procedures? Pro-Con

Chair:
Francis Veyckemans (Lille, France)

PRO
Laszlo Vutskits (Geneva, Switzerland)

CON
Vittoria Arslan-Carlon (New York, United States)

Updated evidences in paediatric anaesthesia
Session organised by the Brazilian Society of Anesthesiology (SBA) and the State Anaesthesiology Society of São Paulo (SAESP)

Chair:
Debora de Oliveira Cumino (São Paulo, Brazil)

Assessment of neuromuscular blockade in children
Ricardo Carlos (Sao Paulo, Brazil)

Anaesthesia and recent respiratory infection
Luciana Cavalcanti Lima (Recife-Pe, Brazil)

Perioperative management of living-donor transplantation
Marcella Marino Malavazzi Clemente (Sao Paulo, Brazil)

Update on Total IntraVenous Anaesthesia (TIVA) in children

Chair:
Karin Becke (Nuremberg, Germany)

Update on TIVA in children
Anthony Absalom* (Groningen, Netherlands)
NEUROANAESTHESIOLOGY
Learning track 06

06S1  Symposium 60’

**Anaesthetic issues related to spinal surgery**

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

**Airway management in patients with spinal cord injury**
Alexander Zlotnik (Beer-Sheva, Israel)

**Bleeding management during and after major spine surgery**
Sibylle Kietaibl* (Vienna, Austria)

**Blindness after spine surgery**
Argyro Zoumprouli (London, United Kingdom)

06S2  Symposium 60’

**Crisis management in neuroanaesthesia**

**Chair:**
Aeyal Raz* (Haifa, Israel)

**Personalised therapy of intracranial hypertension**
Aeyal Raz* (Haifa, Israel)

**Brain-heart crosstalk after traumatic brain injury**
Wojciech Dabrowski (Lublin, Poland)

**Perioperative bleeding around craniotomy**
Shaun Gruenbaum (New Haven, United States)

06RC1  Refresher Course

**Subarachnoid haemorrhage: updates on the treatment**

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

**Speaker:**
Martin Soehle (Bonn, Germany)
**Myocardial Injury in Non-Cardiac surgery (MINS)**

**Chair:**
Bernhard Riedel* (Melbourne, Australia)

**Determinants of MINS**
Johann Knotzer (Wels, Austria)

**hsTNT as a biomarker for postoperative non cardiac organ failure**
Gareth Ackland* (London, United Kingdom)

**MINS after vascular surgery**
Wojciech Szczeklik (Krakow, Poland)

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**Current trends in thoracic anaesthesia: from expert to mainstream**

**Chair:**
Simon Howell* (Leeds, United Kingdom)

**Difficult airway management in thoracic surgery**
Laszlo Szegedi (Brussels, Belgium)

**New methods to use bronchial blockers and double lumen tubes**
Nuzhet Mert Sentürk (Istanbul, Turkey)

**Tubeless thoracic surgery: myth or reality?**
Edmond Cohen (New York, United States)

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**Current trends in thoracic anaesthesia: from experts towards consensus**

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

**Chair:**
Nandor Marczin (Harefield, United Kingdom)

**Good clinical practice recommendations by the EACTA thoracic subcommittee**
Laszlo Szegedi (Brussels, Belgium)

**Modifying patient risk profiles and outcomes through prehabilitation**
Marc-Joseph Licker (Geneva, Switzerland)
Protective ventilation strategies for thoracic anaesthesia
Marcelo Gama de Abreu* (Dresden, Germany)

Ten minutes to understand

Chair:
Jean-Luc Fellahi* (Lyon, France)

The septic cardiomyopathy
Jean-Luc Fellahi* (Lyon, France)

The hypertrophic cardiomyopathy
Bernard Cholley (Paris, France)

The adrenergic cardiomyopathy
Etienne Gayat* (Paris, France)

The diabetic cardiomyopathy
Benedikt Preckel* (Amsterdam, Netherlands)

The ischemic cardiomyopathy
Duminda Wijeysundera (Toronto, Canada)

Updates in vascular surgery

Chair:
Christa Boer (Amsterdam, Netherlands)

New surgical strategies in aortic dissection
Jean-Marc Alsac (Paris, France)

Controversies in anaesthesia for carotid surgery
Marc-Joseph Licker (Geneva, Switzerland)

Enhanced Recovery After Surgery (ERAS) in vascular surgery
Simon Howell* (Leeds, United Kingdom)

Current clinical trials that will determine the future of thoracic anaesthesia

Chair:
Nandor Marczin (Harefield, United Kingdom)

Defining the role of TIVA vs inhalational anaesthesia on long term outcomes
Bernhard Riedel* (Melbourne, Australia)

The one lung ventilation paradigm through the PROTHOR trial
Nuzhet Mert Sentürk (Istanbul, Turkey)

Tackling the acute and chronic pain management for thoracotomy (TOPIC2 Trial)
Fang Gao Smith (Birmingham, United Kingdom)
0756
Symposium 60'

Hot topics in thoracic

Chair:
Edmond Cohen (New York, United States)

Uniportal thoracoscopic surgery: is that the future?
Diego Gonzalez-Rivas (Coruna, Spain)

Paradigm changes in lung transplantation: a multi-society consensus agreement
Nandor Marczin (Harefield, United Kingdom)

Robotic or video-assisted lung resection: different anaesthetic challenges?
Marc Leone (Marseille, France)

0757
Symposium 60'

Networking with the experts on Cardiothoracic and Vascular Anaesthesiology

This symposium is organised by the ESA Trainee Network

Chair:
Jean-Luc Fellahi* (Lyon, France)

Hot Topics in Thoracic Anaesthesia
Mark Steven (Glasgow, United Kingdom)

Hot Topics in Cardiac Anaesthesia
Giovanni Landoni (Milan, Italy)

Hot Topics in Vascular Anaesthesia
Miodrag Filipovic* (St. Gallen, Switzerland)

0758
Symposium 60'

Heart-organs interaction
Session organised in collaboration with the European Association of Cardiothoracic Anaesthesiology (EACTA)

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

Heart-lung interaction
Bernard Cholley (Paris, France)

Heart-splanchnic interaction
Jurgen Van Limmen (Ghent, Belgium)

Heart-circulation interaction
Fabio Guarracino (Pisa, Italy)
### Opioid - Sparing anaesthesia

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

**Perioperative opioids – Friend or foe?**
Albert Dahan* (Leiden, Netherlands)

**Opioid - Sparing anaesthesia**
Eric Albrecht (Lausanne, Switzerland)

**Opioid - Sparing analgesia after surgery**
Patricia Lavandhomme (Brussels, Belgium)

### Update evidence based interventional pain medicine, according to clinical diagnoses

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

**Evidence based interventions for cancer and non-cancer pain**
Jan Van Zundert (Lanaken, Belgium)

### Mechanisms of pain chronification

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

**Why pain gets chronic - Basic science mechanisms of pain chronification**
Marc René Suter (Lausanne, Switzerland)

### Patient Reported Outcome Measures (PROMs) beyond pain scores

**Chair:**
Kris Vissers (Nijmegen, Netherlands)
Development of core outcome sets - Why, how, who?
Ulrike Kaiser (Dresden, Germany)

PROMs for postoperative pain – Why is it so difficult to decide what is a good pain outcome after surgery?
Esther M. Pogatzki-Zahn* (Muenster, Germany)

First core outcome measurement set for complex regional pain syndrome
Sharon Grieve (Bath, United Kingdom)

What's new in acute postoperative pain management for obstetric, ambulatory and orthopedic patients
Session organised by the American Society of Anesthesiology (ASA)

Chair:
Meg Rosenblatt (New York, United States)

Update in analgesia techniques for postpartum pain
Joy Hawkins (Aurora, United States)

Update in analgesics for patients undergoing ambulatory surgeries
David Hepner (Boston, United States)

Update in techniques to treat acute pain following orthopedic procedures
Meg Rosenblatt (New York, United States)

Hot topics in pain and palliative care - Last 12 months' top publications

Chair:
Jan Van Zundert (Lanaken, Belgium)

Acute and chronic postoperative pain
Esther M. Pogatzki-Zahn* (Muenster, Germany)

Chronic pain
Marc René Suter (Lausanne, Switzerland)

Palliative care
Kris Vissers (Nijmegen, Netherlands)

Cannabinoids in pain management: Pro-Con

Chair:
Kris Vissers (Nijmegen, Netherlands)

Pro
Silviu Brill (Tel Aviv, Israel)

Con
Winfried Häuser (Saarbrücken, Germany)
IN INTENSIVE CARE MEDICINE
Learning track 09

09D1 Pro & Con Debate

Inhalation anaesthetics: first choice for intensive care sedation? Pro-Con

Chair:
Gary Mills (Sheffield, United Kingdom)

PRO
Stefan Schaller (Berlin, Germany)

CON
Stefan Schraag (Clydebank, United Kingdom)

09ME1 Meet the Expert

Sleep and sedation in the ICU

Chair:
Gary Mills (Sheffield, United Kingdom)

Speaker:
Stefano Romagnoli* (Firenze, Italy)

09L1 Lecture

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

Chair:
Christian Putensen (Bonn, Germany)

Speaker:
Samir Jaber* (Montpellier, France)

09RC1 Refresher Course

Point-of-care gastric ultrasound

Chair:
Eric Albrecht (Lausanne, Switzerland)

Speaker:
Kariem El-Boghdady (London, United Kingdom)
Modulating the immune system in sepsis

Chair:
Zsolt Molnar* (Szeged, Hungary)

What's the rationale?
Didier Payen De La Garanderie (Paris, France)

Extracorporeal cytokine removal
Gernot Marx* (Aachen, Germany)

Immunoglobulins: when and how?
Massimo Girardis* (Modena, Italy)

Refractory septic shock

Chair:
Cesare Gregoretti* (Palermo, Italy)

Speaker:
Daniel De Backer (Brussels, Belgium)

Haemodynamic monitoring in ICU

Chair:
Jean-Luc Fellahi* (Lyon, France)

New methods of cardiac output monitoring
Zsolt Molnar* (Szeged, Hungary)

Validation studies - What are they really worth?
Bernd Saugel* (Hamburg, Germany)

Cardiac output monitoring in 2050
Frédéric Michard* (Denens, Switzerland)

Managing coma in critically ill patients

Chair:
Edoardo De Robertis (Perugia, Italy)

Post anoxiccoma
Alexander Zlotnik (Beer-Sheva, Israel)

Sepsis associatedencephalopathy
Ornella Piazza (Baronissi, Italy)
Hepatic encephalopathy
Dana Rodica Tomescu (Bucharest, Romania)

Fluids and abdominal hypertension
Session organised by the International Fluid Academy (IFA) in collaboration with the World Society of the Abdominal Compartment Syndrome (WSACS)

Chair:
Manu Malbrain* (Jette, Belgium)

Fluids are drugs: it is time to consider the 4D’s and 4 phases of fluid therapy?
Manu Malbrain* (Jette, Belgium)

Assessing fluid responsiveness in abdominal hypertension
Xavier Monnet* (Paris, France)

Organ-organ interaction: fluids and the polycompartment syndrome
Zsolt Bodnar (Debrecen, Hungary)

Use of ultrasound in de-resuscitation
Adrian Wong (Guildford, United Kingdom)

Peri-operative care for Liver Transplantation (LT) and End Stage Liver Disease (ESLD)
Symposium organised by the Liver Intensive Care Group of Europe (LICAGE)

Chair:
Koen Reyntjens (Groningen, Netherlands)

What has changed in the recent 20 years?
Emmanuel Weiss (Paris, France)

How to avoid futile transplantation?
Dana Rodica Tomescu (Bucharest, Romania)

Thrombosis in ESLD: how to manage in the perioperative period?
Annabel Blasi (Barcelona, Spain)

ExtraCorpororeal Membrane Oxygenation (ECMO): still a tool for referral centre?

Chair:
Giacomo Grasselli* (Milan, Italy)

Should I always transport my patient to an ECMO centre?
Paolo Pelosi (Genoa, Italy)

Only ICU or other settings?
Sharon Einav (Jerusalem, Israel)
### CRITICAL EMERGENCY MEDICINE - TRAUMA AND RESUSCITATION

**Learning track 10**

#### Symposium 60' **10S1**

**Educating the world in cardiopulmonary resuscitation and critical emergency medicine**

**Chair:**
Theresa Mariero Olasveengen (Oslo, Norway)

**Role of community based programmes to improve outcome of cardiac arrest**
Karl-Christian Thies (Greifswald, Germany)

**The KIDS SAVE LIFES experience**
Bernd Böttiger* (Cologne, Germany)

**The 'World Restart a Heart' project**
Federico Semeraro* (Bologna, Italy)

#### Symposium 60' **10S2**

**Approaching the new CardioPulmonary Resuscitation (CPR) guidelines**

**Chair:**
Giuseppe Ristagno* (Rozzano, Italy)

**Advanced airway management during CPR: yes or no?**
Kemal Tolga Saracoglu (Istanbul, Turkey)

**Drugs during CPR: what are the evidences for adrenaline and amiodarone?**
Giuseppe Ristagno* (Rozzano, Italy)

**Extracorporeal CPR: when and how?**
Luca Brazzi (Turin, Italy)

#### Symposium 60' **10S3**

**Airway management in the emergency setting**

**Chair:**
Kemal Tolga Saracoglu (Istanbul, Turkey)

**Role of non-invasive ventilation**
Kurt Ruetzler (Cleveland, United States)

**Role of traditional and video laryngoscope**
Massimiliano Sorbello* (Catania, Italy)

**Role of Highflow nasal cannula**
Imran Ahmad* (West Bromwich, United Kingdom)
Hot topics in critical emergency medicine - Last 12 months' top publications

Chair:
Bernd Böttiger* (Cologne, Germany)

Speaker:
Giuseppe Ristagno* (Rozzano, Italy)

A 2020 approach to trauma management - New aspects

Chair:
Ayten Saracoglu (Istanbul, Turkey)

Prevention of trauma related acute lung injury
Giacomo Grasselli* (Milan, Italy)

Protection of microcirculation during trauma resuscitation
Ayten Saracoglu (Istanbul, Turkey)

Challenges in airway trauma
Michael Seltz Kristensen (Copenhagen, Denmark)

Insights in Rapid Response System (RRS)

Chair:
Kurt Ruetzler (Cleveland, United States)

The extracorporeal cardiopulmonary resuscitation team: the Swiss clinical experience
Gabor Erdös (Bern, Switzerland)

Role of human factors in RRS
Stephen Sollid (Stavanger, Norway)

Helicopter emergency medical service: the Italian guidelines
Flavia Petrini (Chieti, Italy)
RESPIRATION AND AIRWAY MANAGEMENT
Learning track 11

Meet the Expert: 10 years of Helsinki Declaration – Difficult/failed intubation

Chair:
Guy Serge Antoine Haller (Geneva, Switzerland)

10 years of Helsinki Declaration – Difficult/failed intubation
Massimiliano Sorbello* (Catania, Italy)

Does my patient need awake intubation? Pro-Con

Chair:
Christian Putensen (Bonn, Germany)

Pro
Imran Ahmad* (West Bromwich, United Kingdom)

Con
Ruediger Noppens* (London, Canada)

Opioids, oxygenation and obesity: the Goldilocks principle
Session organised by the European Society for Perioperative Care for the Obese Patient (ESPCOP)

Chair:
Daniela Godoroja (Bucharest, Romania)

Pre-oxygenation-too little, too much or just right
Michael Margarson (Chichester, United Kingdom)

Intraoperative and postoperative oxygen therapy: the dangers
Luc De Baerdemaeker (Gent, Belgium)

Safer use of opioids in the obese - No or minimal use of opioids in the obese
Jan Paul Mulier* (Brugge, Belgium)
Universal airways

Chair:
Massimiliano Sorbello* (Catania, Italy)

The project for universal management of airways
Carin A. Hagberg* (Houston, United States)

Critical airways critical language
Nicholas Chrimes (Melbourne, Australia)

A comparison of airway management guidelines
Robert Greif (Bern, Switzerland)
# TRANSFUSION, HAEMOSTASIS AND THROMBOSIS

## Learning track 12

### Refresher Course 12RC1 - Monitoring coagulation and therapeutic decisions in the ICU

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

**Speaker:**
Marco Ranucci* (San Donato Milanese, Italy)

### Pro & Con Debate 12D1 - Per-hospital blood transfusion for severely traumatised patients: Pro-Con

Session organised by the ESA Scientific Subcommittee on "Critical Emergency Medicine – Trauma and Resuscitation" in collaboration with the Journal "Anesthesia & Analgesia"

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

**Introduction**
Jean-François Pittet (Birmingham, United States)

**Pro**
Evan Pivalizza (Houston, United States)

**Con**
Donat Spahn* (Zürich, Switzerland)

### Symposium 12S2 - Anticoagulants in the perioperative setting

**Chair:**
Christian Fenger-Eriksen (Aarhus, Denmark)

**Direct Oral Anticoagulants (DOAC) in the perioperative setting - Guideline recommendations**
Christian von Heymann* (Berlin, Germany)

**No bridging of Vitamin K Antagonists (VKA) for all patients?**
Oliver Grottke* (Aachen, Germany)

**Patients with a high risk of thrombosis – How should they be prepared?**
Isabell Pekrul* (Munich, Germany)
Subspecialty driven Patient Blood Management (PBM)
Symposium organised by the New York State Society of Anesthesiologists (NYSSA)

Chair:
Linda Shore-Lesserson (New York, United States)

Recent advances in PBM in patients at risk for obstetrical haemorrhage
Richard N. Wissler (Rochester, United States)

PBM in neurosurgery - The challenges of preventing secondary brain injury?
Audree Bendo (Brooklyn, United States)

Challenges of PBM in cardiac surgical patients - Can it be done safely?
Linda Shore-Lesserson (New York, United States)

Regional anaesthesia in patients with therapeutic anticoagulation: a No Go

Chair:
Sibylle Kietaiabl* (Vienna, Austria)
Pierre Albaladejo (Grenoble, France)

How to handle patients with VKA and other antithrombotics before regional anaesthesia
Thomas Volk (Homburg, Germany)

Management of patients on DOACs planned for neuraxial anaesthesia
James Douketis (Hamilton, Canada)

Issues in massive bleeding and transfusion

Chair:
Lutz Kaufner (Berlin, Germany)

Artificial blood – Where are we now?
Aamer B. Ahmed (Leicester, United Kingdom)

The role of cell salvage in trauma, obstetrics and cancer-related bleeding
Lidia Mora Miquel (Barcelona, Spain)

Transfusion and the microcirculation
Michael Meesters (Utrecht, Netherlands)
### The perioperative hypoxemic patient ESA Guidelines

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

- **The perioperative hypoxemic patient ESA guideline**
  Marc Leone (Marseille, France)

- **How to make an ESA guideline**
  Arash Afshari (Copenhagen, Denmark)

- **Role of High-Flow Nasal Oxygen (HFNO), NonInvasive Ventilation (NIV) and conventional oxygen in perioperative hypoxemic patient**
  Sharon Einav (Jerusalem, Israel)

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### Antimicrobial therapy in the preoperative clinical setting: a step back into PK and PD understanding

**Chair:**
Andrea Cortegiani (Palermo, Italy)

**Speaker:**
Pieter J Colin (Groningen, Netherlands)

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### Intra-operative hyperoxia: good or bad?

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

**Speaker:**
Daniel Sessler* (Cleveland, United States)
**Off hours effect on patients outcome in ICU and perioperative medicine**

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

**The risk of out of hours ICU admission and discharge**
Christian Putensen (Bonn, Germany)

**The effects of night-time surgery on patients outcome**
Andrea Cortegiani (Palermo, Italy)

**How to improve patient safety**
Gary Mills (Sheffield, United Kingdom)

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**Can we prevent "Failure to Rescue" by planned ICU admission"?**

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

**Speaker:**
Sarah Hare (Gillingham, United Kingdom)

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**Perioperative Acute Kidney Injury (AKI)**

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

**Perioperative Acute Kidney Injury**
Alexander Zarbock* (Muenster, Germany)

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**Perioperative blood pressure monitoring and management**

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

**How to measure blood pressure in the OR?**
Thomas Scheeren* (Groningen, Netherlands)

**Intraoperative blood pressure management – What is the optimal blood pressure?**
Bernd Saugel* (Hamburg, Germany)

**Postoperative hypotension and ward monitoring**
Frédéric Michard* (Denens, Switzerland)
Controversies related to Postoperative Infection and Complications
Session organised by the ESA National Organising Committee (NOC)

Chair:
Cristina Honorato (Pamplona, Navarra, Spain)

**Enhanced recovery after surgery: it is all about implementation**
Javier Ripolles Melchor* (Madrid, Spain)

**Does high FIO2 impair respiratory function?**
Anne Kathrine Staehr-Rye (Copenhagen, Denmark)

**Should we use high FIO2 to reduce surgical infection? Results from iPROVE-O2?**
Carlos Ferrando Ortola* (Valencia, Spain)

Hypertension should be treated and balanced before and during surgery

Chair:
Michael Sander* (Giessen, Germany)

**Speaker:**
Kamal Maheshwari* (Cleveland, United States)

Guidelines in perioperative medicine

Chair:
Sibylle Kietaibl* (Vienna, Austria)

**The German preoperative anaemia guideline – All about iron, Erythropoietin (EPO) and when to treat?**
Lutz Kaufner (Berlin, Germany)

**ESA Venous ThromboEmbolism (VTE) guidelines - Essentials to know**
Charles Marc Samama (Paris, France)

**The project for universal management of airways**
Carin A. Hagberg* (Houston, United States)
### Learning from excellence - A change in paradigm?

**Chair:**
Sven E. A. Staender (Maennedorf, Switzerland)

**Experience with an excellence reporting system**
Adrian Plunkett (Birmingham, United Kingdom)

**Work-as-imagined versus work-as-done, working in the grey-zone of guidelines and protocols**
Benedikt Preckel* (Amsterdam, Netherlands)

**Action plan for learning from excellence**
Paul L. P. Brand (Groningen, Netherlands)

### Meet the Expert: 10 years of Helsinki Declaration – Human factor and crisis management: top ten take home concepts

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

**10 years of Helsinki Declaration – Human factor and crisis management: top ten take home concepts**
Doris Oestergaard (Hillerod, Denmark)

### 2020 European Perioperative Patient Safety Consensus Statement (PPSCS). Results from the ESA 2020 patient safety policy summit

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

**2020 European PPSCS: call for action**
David Whitaker (Manchester, United Kingdom)
### We’ve unexpectedly hurt our patient. What now?

**Reserved seats available for the ILT pre-registered delegates**

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

**What did I experience, what did I need? The patient’s view**
Kaisa Immonen (Brussels, Belgium)

**Transparency: when and how? Disclosure and investigation**
David Mayer (Georgetown, United States)

**Caring for our colleague. Second victim management**
Kris Vanhaecht (Leuven, Belgium)

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### Meet the Expert: 10 years of Helsinki Declaration – Massive haemorrhage

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

**10 years of Helsinki Declaration – Massive haemorrhage**
Christian von Heymann* (Berlin, Germany)

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### Is technology the final answer for perioperative patient safety? Pro-Con

**Reserved seats available for the ILT pre-registered delegates**

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

**PRO**
Jan Hendrickx* (Aalst, Belgium)

**CON**
William Harrop-Griffiths (London, United Kingdom)

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### Medication errors

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

**Knowledge gap in and impact of perioperative medication error**
David Whitaker (Manchester, United Kingdom)

**Risk management approaches and new technology used for medication safety**
Daniel Arnal (Alcorcon, Spain)

**Team work and other skills to prevent medication error**
Teodora Orhideea Nicolescu (Oklahoma City, United States)
### 14S8 Symposium 60'

**How does aerospace industry learn from errors?**

**Chair:**
Neus Fabregas (Barcelona, Spain)

**How does aerospace industry deal with errors**
Sean Burns (Darmstadt, Germany)

**What has anaesthesia learnt from the aerospace industry so far**
Maria Lema Tome (Madrid, Spain)

**How does healthcare deal with errors**
Sven E. A. Staender (Maennedorf, Switzerland)

### 14L2 Lecture

**Quality Improvement – just another fad or the key to a sustainable healthcare system?**

**Chair:**
Guy Serge Antoine Haller (Geneva, Switzerland)

**Speaker:**
Fay Gilder (Cambridge, United Kingdom)

### 14S5 Symposium 60'

**Innovation initiatives in patient safety. The Spanish experience**

Session organised by the ESA National Organising Committee (NOC)

**Chair:**
Julián Álvarez Escudero (Santiago de Compostela, Spain)

**SENSAR: building a Spanish anaesthesia patient safety network**
Maria Lema Tome (Madrid, Spain)

**I want a safe surgery: empowering the patient for his surgery**
Neus Fabregas (Barcelona, Spain)

**Awarding safe perioperative care through a patient safety seal**
Maria Del Mar Fernandez Campos (Madrid, Spain)

### 14S6 Symposium 60'

**Celebrating the Helsinki Declaration 10th anniversary: implementing the declaration requirements**

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

**Clinical audits: national or local?**
Timothy M. Cook* (Bath, United Kingdom)

**World Health Organization (WHO) checklist compulsory?**
Arvid Steinar Haugen* (Bergen, Norway)

**Incident reporting systems: is anaesthesia engaged?**
Daniel Arnal (Alcorcon, Spain)
Towards European recommendations on Quality Indicators (QI) in anaesthesia and critical care

Chair:
Daniela Filipescu (Bucharest, Romania)

The EQUIP Project: European survey on the status of implementation of QI
Martin Ponschab (Linz, Austria)

Outcome measurement – Key for improving perioperative care
Johannes Wacker* (Zürich, Switzerland)

A perspective on future ESA QI recommendations
Guy Serge Antoine Haller (Geneva, Switzerland)
**GERIATRIC ANAESTHESIOLOGY**

Learning track 15

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**15S4 Symposium 60'**

**The frail geriatric patient**

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

- What is frailty and why is it important?
  Concezione Tommasino (Milano, Italy)

- How can we modify frailty
  Mark Coburn (Aachen, Germany)

- Anaesthesia for the frail patient

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**15S1 Symposium 60'**

**Can we improve anaesthesia outcome in the elderly patient?**

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

- Personalised prehabilitation in high-risk elderly patients
  Graciela Martinez-Palli (Barcelona, Spain)

- TIVA/TCI: which models in elderly patients?
  Michel Struys* (Groningen, Netherlands)

- Anaesthesia challenges in the elderly for robotic-assisted surgery
  Paola Aceto (Rome, Italy)

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**15S2 Symposium 60'**

**Studies in the elderly: any news?**

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

- Management of general anaesthesia in elderly patients at high-risk of postoperative adverse outcomes
  Serge Mollieix (Saint Priest en Jarez, France)

- Peri-operative management in the super-elderly: the POSE Trial
  Mark Coburn (Aachen, Germany)

- Pre-operative acid-base balance of hip fracture patients: time to surgery and mortality
  Idit Matot (Tel Aviv, Israel)
Perioperative Neurocognitive Disorders (PND) in the elderly: state of the art

Chair:
Concezione Tommasino (Milano, Italy)

PND in the elderly: state of the art
Lis Evered (Fitzroy, Australia)

Dilemmas in geriatric anaesthesiology

Chair:
Paola Aceto (Rome, Italy)

Elderly patients on anticoagulant/antiaggregant therapy: what to do?
Charles Marc Samama (Paris, France)

General or spinal anaesthesia for hip surgery?
Ana Kowark (Aachen, Germany)

Ethics of resuscitation of the elderly in Europe
Bernd Böttiger* (Cologne, Germany)
## ESA Trainees Committee and National Trainee Sections

**ESA Trainee Network Booth Session**

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<td>Creation and first steps of the Greek Trainee Section</td>
<td>Martina Rekatsina (Athens, Greece)</td>
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<td>International perspective - Trainees of European Airway Management Society (TEAMS)</td>
<td>Tatjana Dill (Bern, Switzerland)</td>
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## One advice to share: department chairs to future chairs

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<td>Jennifer Hunter (Liverpool, United Kingdom)</td>
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<td>Paolo Pelosi (Genoa, Italy)</td>
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<td>Idit Matot (Tel Aviv, Israel)</td>
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"Trainees for Trainees" - What are the career opportunities in Simulation and Research?
PANEL DISCUSSION - Session organised by the ESA Trainee Network

Chair:
Andreas Sandner-Kiesling (Graz, Austria)

Building a career in simulation
Ebbe Bessmann (Herlev, Denmark)

The Research Mentorship Programme experience
Mateusz Zawadka (Warsaw, Poland)

The Young Investigator Start-up Grant experience
Christoph Behem (Hamburg, Germany)

Anaesthesia beyond the borders
Session organised by the ESA Trainee Exchange Programme Committee

Chair:
Bazil Ateleanu (Cardiff, United Kingdom)
Zoka Milan (London, United Kingdom)

How to write a motivation letter
Vojislava Neskovic (Belgrade, Serbia)

How to implement changes from what you have learned during ESA TEP fellowship
Zoka Milan (London, United Kingdom)

Cross cultural experience - Benefits and disadvantages
Andrea Szekely* (Budapest, Hungary)

Translating basic science techniques for clinicians

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

How do we show a drug is analgesic at the cellular level?
David Lambert* (Leicester, United Kingdom)

How do we show a drug is analgesic in animal models?
Jens Broscheit (Würzburg, Germany)

How do we show genetic associations?
Philip Hopkins (Leeds, United Kingdom)
What does it mean “WELLBEING” for a trainee?

PANEL DISCUSSION - Session organised by the ESA Trainee Committee

Chair:
Christopher Blacker* (Uppsala, Sweden)

AAGBI Association of Anaesthetists Trainee Committee
Sally El-Ghazali (London, United Kingdom)

Trainee wellbeing and the new European training requirements
Sibylle Kietaibl* (Vienna, Austria)

What the European Junior Doctors Association can do for you?
Francisco Ribeiro Mourao (Viana do Castelo, Portugal)

Lessons from young teachers: Young Teaching Recognition Award winners
2019

Chair:
Andreas Sandner-Kiesling (Graz, Austria)

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)
# COVID19 Learning track COV19

## COV51 Symposium 60' Neurological complications in COVID-19 patients

**Chair:**
Chiara Robba (Genova, Italy)

**Stroke in COVID-19 patients**
Giuseppe Citerio (Monza, Italy)

**Neuroradiological findings in COVID-19 patients**
Geert Meyfroidt (Leuven, Belgium)

**Results from autopsies in COVID-19 patients**
Fabio Taccone (Brussels, Belgium)

## COV57 Symposium 60' Pharmacologic approaches in severe COVID-19

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

**Antiviral therapy in COVID-19**
Yeming Wang (Beijing, China)

**Low-dose Dexamethasone in COVID-19 – the RECOVERY trial**
Peter Horby (Oxford, United Kingdom)

**Convalescent plasma for COVID-19**
Michael J Joyner (Rochester, United States)

## COV510 Symposium 60' Hypercoagulation in COVID-19

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

**The hypercoagulable state in COVID-19 – incidence and pathophysiology**
Bernd Pötzsch (Bonn, Germany)

**Coagulation monitoring in severe COVID-19**
Dietmar Fries (Innsbruck, Austria)

**Anticoagulation in severe COVID-19**
Christian von Heymann* (Berlin, Germany)
### COVID-19: resource management challenges

**PANEL DISCUSSION**

**Chair:**
David Whitaker (Manchester, United Kingdom)

- **Pandemic: back to the founding of Intensive care medicine**
  Kai Zacharowski (Frankfurt, Germany)

- **Working without guides and standards: back to experts. Publishing race**
  Christopher Neuhaus (Heidelberg, Germany)

- **Multidiscipline teams in COVID-19: using all resources**
  Maria Lema Tome (Madrid, Spain)

**Panel Discussion**

### COVID-19: associated coagulopathy – pathophysiology and treatment

**Chair:**
Christian Fenger-Eriksen (Aarhus, Denmark)

- **Value of alternative anticoagulants in COVID-19 coagulopathy?**
  Mirjam Bachler (Innsbruck, Austria)

- **Treatment and prophylaxis of venous thromboembolism in COVID-19 infected patients**
  Pierre Albaladejo (Grenoble, France)

- **Activation of the coagulation system during COVID-19 – insights in the pathophysiology**
  Satoshi Gando* (Sapporo, Japan)

### COVID-19 in children

**Chair:**
Karin Becke (Nuremberg, Germany)

- **Implications for paediatric anaesthesia**
  Nicola Disma (Genoa, Italy)

- **Characteristics of children and neonates admitted to ICU**
  Daniele De Luca (Paris, France)

- **Evidence for best use of PPE and barriers**
  Clyde Matava (Toronto, Canada)
# Pathophysiology of severe COVID-19

**Chair:**
Malgorzata Mikaszewska-Sokolewicz (Warsaw, Poland)

**Pathophysiology of respiratory failure due to COVID-19**
Paolo Pelosi (Genoa, Italy)

**ARDS and COVID-19 – different phenotypes?**
John Laffey* (Galway, Ireland)

**The immune response in severe COVID-19**
Christian Bode (Bonn, Germany)

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# Hot topics in Airway management in COVID-19 patients

**Intersocietary session: European Airway Management Society (EAMS), Society for Airway Management (SAM), Difficult Airway Society (DAS) and All India Difficult Airway Association (AIDA)**

**Chair:**
Michael Seltz Kristensen (Copenhagen, Denmark)

**Extubation: the redhead stepchild in COVID-19 airway management**
Felipe Urdaneta (Gainsville, United States)

**Head & Neck airway management and anaesthesia in COVID-19**
Sheila Nainan Myatra (Mumbai, India)

**Awake intubation in COVID-19**
Imran Ahmad* (West Bromwich, United Kingdom)

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# Ethical issues on COVID-19 in three different European ICU's

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

**Views from the UK**
Paul McConnell (Paisley, United Kingdom)

**Views from Italy**
Ornella Piazza (Baronissi, Italy)

**Views from Germany**
Hartmut Bürkle (Freiburg, Germany)

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# The pregnant COVID-19 patient: sepsis, thrombosis and labour anaesthesia

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

**Sepsis and the pregnant Covid-19 patient**
Alison Rodger (London, United Kingdom)
Thrombosis and the pregnant Covid-19 patient
Beverley Hunt (London, United Kingdom)

Labour anaesthesia and the sick pregnant Covid-19 patient
Estelle Morau (Montpellier, France)

Ventilation strategies in severe COVID-19

Chair:
Bairbre McNicholas (Galway, Ireland)

Protective ventilation in COVID-19
Davide Chiumello (Milano, Italy)

Ventilation in COVID-19 - an observational trial in the Netherlands
Marcus Schultz (Amsterdam, Netherlands)

ECMO in COVID-19
Christian Putensen (Bonn, Germany)

Ethics and triage in COVID-19

Panel Discussion

Chair:
Janet Froulund Jensen (Holbaek, Denmark)

Triage in COVID-19 – who should be ventilated?
Elie Azoulay (Paris, France)

The social burden of COVID-19
Gary Mills (Sheffield, United Kingdom)

Pragmatic recommendations for care of COVID-19 patients in low and middle income countries
Marcus Schultz (Amsterdam, Netherlands)

Panel Discussion
ESA SESSIONS
Learning track ESA

ESAL1 Lecture

Sir Robert Macintosh Lecture

Chair:
Andreas Hoeft* (Bonn, Germany)

Safe and Diverse – celebrate our strengths!
Daniela Filipescu (Bucharest, Romania)

ESAS2 Symposium 60'

Planning your life – It is in your hands

Chair:
Stefan De Hert (Gent, Belgium)
Bernardo Matias (Setubal, Portugal)

Things to do to shine in your residency
Sabine Nabecker (Bern, Switzerland)

Beyond residency – Pearls to successful family-professional career
Sharon Orbach-Zinger (Petach Tikvah, Israel)

Communicating with your boss
Idit Matot (Tel Aviv, Israel)

Making people become more of who they already are – The mentoring program
Wolfgang Buhre* (Maastricht, Netherlands)

Summary

ESAPD1 Symposium 60'

Second victim, burnout and more...how to prevent, how to cope?

PANEL DISCUSSION

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

Burn, bore, brown... Out in anaesthesiologists
Georges Mion (Paris, France)

Occupational stress in anaesthesiologists
Wolfgang Lederer (Innsbruck, Austria)
**ESAS3** Symposium 60'  
**Sustainability in the operating room: time for action!!**

**Chair:** Helene Beloeil (Rennes, France)

**Presentation of the ESA tool kit**
Gordana Jovanovic (Novi Sad, Serbia)

**Anaesthetic gases, the anaesthesiologist and the planet**
Kathleen Ferguson (Aberdeen, United Kingdom)

**Sustainability in the operating room: next steps**
Forbes McGain (Sidney, Australia)

**ESAS5** Symposium 60'  
**Artificial Intelligence (AI) in anaesthesia and intensive care**  
Session organised by the ESA Research Committee

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

**AI – What is it? How does this fit to anaesthesia and intensive care?**
Thomas Fuchs-Buder* (Nancy, France)

**Self learning early warning signs**
Wolfgang Buhre* (Maastricht, Netherlands)

**AI in anaesthesia and intensive care: three examples**
Jens Meier (Linz, Austria)

**ESAS6** Symposium 60'  
**The process of a good Clinical Trial Network (CTN) study**  
Session organised by the ESA Research Committee

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

**Concept of CTN - How to write a successful proposal?**
Wolfgang Buhre* (Maastricht, Netherlands)

**Presentation of the EPIMAP CTN Study**
Anil Gupta (Stockholm, Sweden)

**Presentation of the Nectarine CTN Study**
Nicola Disma (Genoa, Italy)
### Recent guidelines and Cochrane systematic reviews and practice

Session organised by the ESA Guidelines Committee

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

**Methodological challenges of systematic reviews and their impact for ESA guidelines**
Harald Herkner (Vienna, Austria)

**Should guidelines carry their own meta-analyses and systematic reviews as a mandatory step?**
Andrew Fairley Smith (Lancaster, United Kingdom)

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### History of Anaesthesia

Chair:
Alistair McKenzie (Edinburgh, United Kingdom)

**Manuel Garcia and the birth of laryngoscopy**
Alistair McKenzie (Edinburgh, United Kingdom)

**The history of anaesthesia in Spain**
José Carlos Díaz Gómez (Vigo, Spain)

**Spanish contributions to analgesia**
Xavier Sala-Blanch (Barcelona, Spain)

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### The success of ESA research groups

Session organised by the ESA Research Committee

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

**Presentation of the research group: PROtective Ventilation Network (PROVENet)**
Paolo Pelosi (Genoa, Italy)

**Presentation of the research group: Peri-interventional Outcome Study in the Elderly (POSE)**
Mark Coburn (Aachen, Germany)

**Presentation of the research group: Renal Protection Network (RAPNet)**
Idit Matot (Tel Aviv, Israel)

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### A new European Journal of Anaesthesiology

Session organised by the European Journal of Anaesthesiology (EJA)

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

**EJA: a new team for a new project**
Charles Marc Samama (Paris, France)

**Full Open Access: our experience with the Open Journal Pain Reports**
David Yarnitsky (Haifa, Israel)
### ESAPD2
**Symposium 60'**

**Sex and gender content: what is correct, what is offensive?**

**PANEL DISCUSSION**

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<td>Millenial woman: What am I looking for in the professional public communication?</td>
<td>Anne Marie Camilleri Podesta (L-Imsida, Malta)</td>
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<td>Millenial man: Should we talk at all on gender correctness in the professional public communication?</td>
<td>Nadav Sheffy (Petah Tikva, Israel)</td>
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### ESAS11
**Symposium 60'**

**Newest ESA guidelines presentation**

Session organised by the ESA Guidelines Committee

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<th>Topic</th>
<th>Speaker</th>
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<td>ESA/ERC/ESTES Guidelines on cardiac arrest in the OR</td>
<td>Jochen Hinkelbein (Cologne, Germany)</td>
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<td>Task force on ultrasound guided vascular access and regional blocks</td>
<td>Massimo Lamperti* (Abu Dhabi, United Arab Emirates)</td>
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<td>Preoperative fasting in children</td>
<td>Peter Frykholm (Uppsala, Sweden)</td>
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### ESALT1
**Lightning Talks**

**10 years of Helsinki Declaration: results from the Helsinki Declaration follow up project**

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<td>How did the Helsinki Declaration came up?</td>
<td>Jannicke Mellin-Olsen (Rud, Norway)</td>
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<td>What’s the real impact of the Helsinki Declaration in Europe?</td>
<td>Andrew Fairley Smith (Lancaster, United Kingdom)</td>
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<td>How to improve the Helsinki Declaration implementation? Lessons from the Helsinki Declaration follow up project</td>
<td>Johannes Wacker* (Zürich, Switzerland)</td>
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<td>The role of National Anaesthesia Societies for Helsinki Declaration implementation</td>
<td>Serban-Ion Bubeneck-Turconi (Bucharest, Romania)</td>
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<td>Helsinki Declaration modeling the ESA strategy</td>
<td>Stefan De Hert (Gent, Belgium)</td>
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