Participants who have declared a “conflict of interest” are indicated with an asterisk (*) next to their name.
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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-Bicetre, 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)

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

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

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

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### Outbreak risk! Providing surgery, anaesthesia & perioperative care in patients with suspected coronavirus (SARS, CoViD-19) or ebola virus disease (EVD)

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

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

**WHO guidelines on surgery, obstetrics, and anaesthesia care in the context of EVD infection**
Janet Martin (London, Canada)

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

**Impact of endemic ebola virus disease on surgery and anaesthesia care: WHO perspective**
Walter Johnson (Geneva, Switzerland)

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### 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)

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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)

Automation in anaesthesia and Intensive Care - Thread or benefit?

Chair:
Andreas Hoeft* (Bonn, Germany)

Panelists:
Michel Struys* (Groningen, Netherlands)
Alexandre Joosten* (Brussels, Belgium)
Michael Wilkening (Lübeck, Germany)

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

Chair:
Maria Wittmann (Bonn, Germany)

PRO
Christoph Unterbuchner (Regensburg, Germany)

CON
Manfred Blobner (Munich, 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)
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### 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)

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### 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)