

## 106th Bern Anaesthesia Symposium

# Perioperative Brain Health — From Mechanism to Monitoring to Clinical Practice

Wednesday, 20 May 2026, 5:00 pm – 8:00 pm

Ettore Rossi Auditorium, Julie-von-Jenner-House (Children's Hospital),  
Inselspital Bern

*Workshop*  
**Brain ultrasound**  
**3.00 pm - 4.45 pm**



Dear colleagues and interested guests

Perioperative neurocognitive disorders represent an increasingly recognised challenge in contemporary anaesthesia and perioperative medicine. Their multifactorial pathophysiology and significant impact on patient recovery require an integrated, evidence-informed approach across the perioperative continuum.

This mini-symposium brings together internationally recognised experts to provide a structured and clinically focused update on perioperative brain health. The program spans current insights into neuroinflammatory mechanisms, risk stratification and screening, intraoperative EEG-guided management, precision anaesthetic delivery, and special considerations in paediatric patients.

The objective is to translate emerging evidence into practical, implementable strategies that support individualized, brain-aware anaesthesia and improved postoperative cognitive outcomes.

### **Preparatory course (90 minutes)**

Immediately preceding the symposium, participants may attend a focused preparatory session designed to strengthen practical competencies in:

- Brain sonography: identification of structures relevant to vascular anatomy
- Identification of relevant cerebral arteries using Color Doppler ultrasonography
- Assessment and interpretation of physiological and pathological flow velocity patterns

This session aims to facilitate confident integration of advanced brain monitoring into routine clinical practice.

We warmly welcome colleagues interested in advancing the neurological quality of perioperative care.

Dr Friedrich Lersch

PD Dr Vladimir Krejci

## Speakers

### **Dr Lamine Abdennour (Workshop)**

Department of Anaesthesiology and Intensive Care Medicine, Hôpital Pitié-Salpêtrière, Paris

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### **Prof Susana Vacas**

Neuroanesthesiologist at Massachusetts General Hospital, Boston USA

### **PD Dr Vladimir Krejci**

Anaesthetist at Inselspital Bern

### **Prof Tony Absalom**

University Medical Center Groningen, Netherlands

### **Prof Joana Berger Estilita**

Specialist in anaesthesiology and intensive care medicine,  
Salem-Spital Bern

## Program

15.00 – 16.45 **Workshop**  
Dr Lamine Abdennour, PD Dr. Vladimir Krejci  
→ separate registration

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17.00 – 17.05 **Welcoming Speech**  
Dr Friedrich Lersch, PD Dr. Vladimir Krejci

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17.10 – 17.40 **From Neuroinflammation to Neural Network Disruption:  
Mechanistic Pathways in Perioperative Neurocognitive  
Disorders (online lecture)**  
Prof Susana Vacas

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17.45 – 18.15 **Brain-Aware Anaesthesia in Practice: Using EEG to Reduce  
Postoperative Neurocognitive Disorders**  
PD Dr Vladimir Krejci

18.15 – 18.45 Break / Apéro / Industry Meeting

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18.45 – 19.15 **Precision TIVA for a Vulnerable Brain: Target-Controlled  
Infusion as Cognitive Protection**  
Prof Tony Absalom

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19.20 – 19.50 **From Guidelines to Bedside: Implementing a Perioperative  
Brain-Health Bundle that Actually Reduces Delirium**  
Prof Joana Berger-Estilita

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19.55 – 20.00 **Farewell**  
Dr Friedrich Lersch, PD Dr Vladimir Krejci

**CME Credits**

SSAPM 3 Credits



## Organization

Host: Prof Dr Frank Stüber, MD & Head of department  
Coordination: PD Dr Alexander Fuchs  
Symposium directors: Dr Friedrich Lersch, PD Dr Vladimir Krejci

Assistant Medical Teaching & Research: Deborah Suter, phone 031 632 81 79  
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