

# WCA



18<sup>th</sup> World Congress  
of Anaesthesiologists

3 - 7 March 2024 SINGAPORE

Together We Can

## PROGRAMME

### Neuroscience

**Tuesday, March 05, 2024**

**Session Date/Time: Tuesday, March 5, 2024 - 14:00 - 18:00**

Tan Tock Seng Hospital

#### **Neuroscience Workshop: Simulation Workshop: Perioperative Neurological Emergencies**

Workshop Fee: 200 USD

This is a full scale simulation session. Based on real life scenarios, participants will work together to handle perioperative neurological emergencies and obtain feedback on their management and crisis management skills.

##### **Simulation Workshop: Perioperative Neurological Emergencies**

*Shobana Rajan, United States*

##### **Simulation Workshop: Perioperative Neurological Emergencies**

*Shobana Murugan, United States*

##### **Simulation Workshop: Perioperative Neurological Emergencies**

*Chin Ted CHONG, Singapore*

##### **Simulation Workshop: Perioperative Neurological Emergencies**

*Shang Yee Chong, Singapore*

## PROGRAMME

### Wednesday, March 06, 2024

**Session Date/Time: Wednesday, March 6, 2024 - 08:30 - 09:30**

405B (Level 4)

#### **Neuroscience: International Accreditation of Neuroanaesthesia Fellowships: Trials, Tribulations, Triumphs**

This panel will provide an update on the international accreditation of neuroanaesthesia fellowship programs. Leaders from USA, Canada, UK and China will share their experience on the perioperative neuroscience training and the future development of international fellowship accreditation.

08:30 **Chair: Session Introduction**

*Chanhung Lee, United States*

08:32 **Update on the Current Status of Worldwide Neuroanaesthesia Fellowship Accreditation**

*Shobana Rajan, United States*

08:47 **ICPNT Accreditation: The UCL UK & Beijing Tiantan Experiences**

*Valpuri Luoma, United Kingdom*

09:02 **Future of International Neuroanaesthesia Fellowship Accreditation**

*Tumul Chowdhury, Canada*

09:17 **Questions and Answers**

**Session Date/Time: Wednesday, March 6, 2024 - 09:30 - 10:30**

405B (Level 4)

#### **Neuroscience: Anaesthesia for Treatment of Intracranial Aneurysms**

This panel will provide you with an update on the management for microsurgical clipping of intracranial aneurysm. In particular, the use of flow arrest and other strategies for hemodynamic management will be discussed.

09:30 **Chair: Session Introduction**

*Valpuri Luoma, United Kingdom*

09:32 **Anaesthetic Management for Intracranial Aneurysm Clipping**

*Umeshkumar Athiraman, United States*

09:47 **Approach to Flow Arrest for Intracranial Aneurysm Clipping**

*John Bebawy, United States*

10:02 **Hemodynamic Management of Patients with SAH**

*Chee Seong Peter Tan, Malaysia*

10:17 **Questions and Answers**

**Session Date/Time: Wednesday, March 6, 2024 - 10:45 - 12:15**

Exhibition Hall

#### **Neuroscience E-Poster Presentations: Session 1**

All E-Posters will be showcased through a live 6-minute in-person presentation.

## PROGRAMME

**Poster Moderator**

*Chanhung Lee, United States*

**Poster Moderator**

*Abhijit Lele, United States*

**Session Date/Time: Wednesday, March 6, 2024 - 10:45 - 12:15**

Exhibition Hall

**Neuroscience E-Poster Presentations: Session 2**

All E-Posters will be showcased through a live 6-minute in-person presentation.

**Poster Moderator**

*Phuping Akavipat, Thailand*

**Poster Moderator**

*Umeshkumar Athiraman, United States*

**Session Date/Time: Wednesday, March 6, 2024 - 10:45 - 12:15**

Exhibition Hall

**Neuroscience E-Poster Presentations: Session 3**

All E-Posters will be showcased through a live 6-minute in-person presentation.

**Poster Moderator**

*Masahiko Kawaguchi, Japan*

**Poster Moderator**

*Girija Prasad Rath, India*

**Session Date/Time: Wednesday, March 6, 2024 - 10:45 - 12:15**

Exhibition Hall

**Neuroscience E-Poster Presentations: Session 4**

All E-Posters will be showcased through a live 6-minute in-person presentation.

**Poster Moderator**

*Cristiane Tavares, Brazil*

**Poster Moderator**

*Lilian Lukoko, Kenya*

## PROGRAMME

**Session Date/Time: Wednesday, March 6, 2024 - 10:45 - 12:15**

Exhibition Hall

### Neuroscience E-Poster Presentations: Session 5

All E-Posters will be showcased through a live 6-minute in-person presentation.

**Poster Moderator**

*Tumul Chowdhury, Canada*

**Poster Moderator**

*Maria Bustillo, United States*

**Session Date/Time: Wednesday, March 6, 2024 - 10:45 - 12:15**

Exhibition Hall

### Neuroscience E-Poster Presentations: Session 6

All E-Posters will be showcased through a live 6-minute in-person presentation.

**Poster Moderator**

*John Bebawy, United States*

**Poster Moderator**

*Yoshinori Kamiya, Japan*

**Session Date/Time: Wednesday, March 6, 2024 - 10:45 - 12:15**

Exhibition Hall

### Neuroscience E-Poster Presentations: Session 7

All E-Posters will be showcased through a live 6-minute in-person presentation.

**Poster Moderator**

*Alana Flexman, Canada*

**Poster Moderator**

*Valpuri Luoma, United Kingdom*

**Session Date/Time: Wednesday, March 6, 2024 - 10:45 - 12:15**

Exhibition Hall

### Neuroscience E-Poster Presentations: Session 8

All E-Posters will be showcased through a live 6-minute in-person presentation.

## PROGRAMME

**Poster Moderator**

*Jason Chui, Canada*

**Poster Moderator**

*Erik Jensen, Spain*

**Session Date/Time: Wednesday, March 6, 2024 - 10:45 - 12:15**

Exhibition Hall

**Neuroscience E-Poster Presentations: Session 9**

All E-Posters will be showcased through a live 6-minute in-person presentation.

**Poster Moderator**

*Kate Leslie, Australia*

**Poster Moderator**

*Chee Seong Peter Tan, Malaysia*

**Session Date/Time: Wednesday, March 6, 2024 - 13:45 - 14:45**

406 (Level 4)

**Neuroscience: Depth of Anaesthesia Monitoring: Much Ado about Nothing or Critical Intervention?**

This panel will describe the latest advances in the monitoring of depth of anaesthesia. In particular, EEG signatures for anaesthesia and postoperative cognitive disorders will be highlighted. In addition, experts will provide an update on the link between anaesthetic depth monitoring and perioperative outcome.

13:45 **Chair: Session Introduction**

*Alana Flexman, Canada*

13:47 **Monitoring Depth of Anaesthesia and Consciousness**

*Erik Jensen, Spain*

14:02 **Depth of Anaesthesia Monitoring and Perioperative Outcomes**

*Kate Leslie, Australia*

14:17 **EEG Signatures and Postoperative Cognitive Disorders**

*Chanhung Lee, United States*

14:32 **Questions and Answers**

**Session Date/Time: Wednesday, March 6, 2024 - 14:45 - 15:45**

406 (Level 4)

**Neuroscience: Practice Update: Advances and Challenges in the Management of Traumatic Brain Injury**

In this panel, experts will provide an update on the current advances in anaesthetic management and cerebral monitoring for patients with traumatic brain injury. Special considerations will be given for paediatric traumatic brain injury.

**PROGRAMME**

- 14:45 **Chair: Session Introduction**  
*Maria Bustillo, United States*
- 14:47 **Considerations for Anaesthetic Management of Surgery for Traumatic Brain Injury**  
*Deepak Sharma, United States*
- 15:02 **Update on Neuromonitoring for Traumatic Brain Injury**  
*Masahiko Kawaguchi, Japan*
- 15:17 **Considerations for Paediatric Traumatic Brain Injury**  
*Girija Prasad Rath, India*
- 15:32 **Questions and Answers**

**Session Date/Time: Wednesday, March 6, 2024 - 16:15 - 17:15**

405B (Level 4)

**Neuroscience: How I Do It? Neuroanaesthesia Recipes from the Experts**

In this session, expert panel members will show you their master management for patients having posterior fossa tumour resection, endovascular thrombectomy and epilepsy surgery.

- 16:15 **Chair: Session Introduction**  
*Alana Flexman, Canada*
- 16:17 **Posterior Fossa Tumour Resection**  
*Lilian Lukoko, Kenya*
- 16:32 **Endovascular Thrombectomy**  
*Tumul Chowdhury, Canada*
- 16:47 **Epilepsy Surgery**  
*Cristiane Tavares, Brazil*
- 17:02 **Questions and Answers**

**PROGRAMME****Thursday, March 07, 2024****Session Date/Time: Thursday, March 7, 2024 - 08:30 - 09:30**

MR 331 (Level 3)

**Neuroscience: Enhanced Recovery after Complex Spine Surgery**

In this session, panel members will discuss the current evidence for enhanced recovery after complex spine surgery. In particular, enhanced recovery after surgery care bundles, regional anaesthesia for spine surgery and blood conservation techniques will be highlighted.

**08:30 Chair: Session Introduction***John Bebawy, United States***08:32 ERAS Bundles for Spine Surgery: What Is the Evidence?***Abhijit Lele, United States***08:47 Regional Anaesthesia for Spine Surgery***Jason Chui, Canada***09:02 Blood Conservation in Major Spine Surgery***Maria Bustillo, United States***09:17 Questions and Answers****Session Date/Time: Thursday, March 7, 2024 - 09:30 - 10:30**

MR 331 (Level 3)

**Neuroscience: Perioperative Cerebral Perfusion and Stroke**

In this session, panel members will discuss the current epidemiology and impact of covert brain infarction. Technologies for monitoring of cerebral perfusion during surgery, as well as strategies to detect perioperative strokes will be discussed.

**09:30 Chair: Session Introduction***Cristiane Tavares, Brazil***09:32 Perioperative Neuromonitoring for Cerebral Perfusion***Deepak Sharma, United States***09:47 Clinical Monitoring for Perioperative Stroke***Alana Flexman, Canada***10:02 Covert Perioperative Stroke***Adrian Gelb, United States***10:17 Questions and Answers****Session Date/Time: Thursday, March 7, 2024 - 10:50 - 11:50**

MR 331 (Level 3)

**Neuroscience: Pain Management for Neurosurgical Procedures**

In this session, panel members will provide an up-to-date review on the pain management for craniotomy and complex spine surgery.

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- 10:50      **Chair: Session Introduction**  
*Masahiko Kawaguchi, Japan*
- 10:52      **Intra-Operative Pain Management for Neurosurgery- Analgesic Strategies for Enhanced Recovery**  
*Chin Ted CHONG, Singapore*
- 11:07      **Pain Management after Spine Surgery**  
*Phuping Akavipat, Thailand*
- 11:22      **Pain Management after Craniotomy**  
*Yoshinori Kamiya, Japan*
- 11:37      **Questions and Answers**