

WCA



18th 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**