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
Matthew Chan, Hong Kong

Simulation Workshop: Perioperative Neurological Emergencies
Shang Yee Chong, Singapore
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Wednesday, March 06, 2024

Session Date/Time: Wednesday, March 6, 2024  -  08:30 - 09:30
Hall 406D (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 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
       Tumul Chowdhury, Canada

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

08:55  ICPNT Accreditation: The UCL UK & Beijing Tiantan Experiences
       Ruquan Han, China

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
Hall 406D (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  -  13:45 - 14:45
Hall 406C (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.

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

Hall 406C (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.

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

Hall 406D (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.
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16:32  Endovascular Thrombectomy
       Ruquan Han, China

16:47  Epilepsy Surgery
       Cristiane Tavares, Brazil

17:02  Questions and Answers
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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

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.
10:50  Chair: Session Introduction  
Masahiko Kawaguchi, Japan

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