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
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

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

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

Neuroscience E-Poster Presentations: Session 8
All E-Posters will be showcased through a live 6-minute in-person presentation.
**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*

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**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**

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**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.
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<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Speaker/Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>14:45</td>
<td>Chair: Session Introduction</td>
<td>Maria Bustillo, United States</td>
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<tr>
<td>14:47</td>
<td>Considerations for Anaesthetic Management of Surgery for Traumatic Brain Injury</td>
<td>Deepak Sharma, United States</td>
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<tr>
<td>15:02</td>
<td>Update on Neuromonitoring for Traumatic Brain Injury</td>
<td>Masahiko Kawaguchi, Japan</td>
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<tr>
<td>15:17</td>
<td>Considerations for Paediatric Traumatic Brain Injury</td>
<td>Girija Prasad Rath, India</td>
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<td>15:32</td>
<td>Questions and Answers</td>
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**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.

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

       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