

## Wednesday January 31st

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| 07:20 – 08:00 | Breakfast  |                     |
| 08:00 – 08:40 | <b>Case Presentations I – Cranial and Spinal Angiogram anatomy (normal and pathological) with Cases</b>  | Dr Lissa Peeling    |
| 08:50 – 09:30 | <b>Case Presentations II – Cranial and Spinal Angiogram anatomy (normal and pathological) with Cases</b>   | Dr Lissa Peeling    |
| 09:40 – 10:20 | <b>Vascular Malformations of the Brain and Spinal Cord: AVM's and DAVF's I</b> <ul style="list-style-type: none"> <li>• Discuss the epidemiology and clinical features of AVM's</li> <li>• Describe the surgical treatments of a ruptured AVM</li> <li>• Describe the classification and treatment options for AVM's</li> </ul>  | Dr. Stephen Lownie  |
| 10:20 - 10:30 | <b>BREAK</b>   |                     |
| 10:30 – 11:10 | <b>Vascular Malformations of the Brain and Spinal Cord: AVM's and DAVF's II</b> <ul style="list-style-type: none"> <li>• Discuss the epidemiology and clinical features of AVM's</li> <li>• Describe the surgical treatments of a ruptured AVM</li> <li>• Describe the classification and treatment options for AVM's</li> </ul>   | Dr. Stephen Lownie  |
| 11:10 – 11:50 | <b>Intraoperative Neurophysiological Monitoring I</b> <ul style="list-style-type: none"> <li>• Describe intraoperative neurophysiological monitoring ((IONM) techniques and their usefulness.</li> <li>• Describe neurophysiological mapping techniques and their usefulness.</li> <li>• Describe the limitations of IONM and neurophysiological mapping.</li> </ul>   | Dr. Susan Morris    |
| 11:50 – 12:30 | <b>Intraoperative Neurophysiological Monitoring II</b> <ul style="list-style-type: none"> <li>• Compare and contrast the strengths, weaknesses and overall usefulness of the two primary modalities used in intraoperative neurophysiological monitoring (IONM): 1. Somatosensory Evoked Potentials (SSEPs) and 2. Transcranial Motor Evoked Potentials (TcMEPs).</li> <li>• Compare and contrast TcMEPs and D-wave potentials with specific reference to spinal cord tumour resection surgery.</li> <li>• Choose the intraoperative neurophysiological <i>monitoring and/or mapping</i> modalities you would employ during the below listed procedures and clearly state the rationale for your choice(s): Spine deformity correction.</li> </ul> | Dr. Susan Morris    |
| 12:30 – 13:40 | <b>LUNCH</b>   |                     |
| 13:40 – 14:20 | <b>Cranial Nerves: Review II</b> <ul style="list-style-type: none"> <li>• Describe the central connections of cranial nerves VII, VIII, IX,X, XI and XII</li> <li>• Discuss the clinical aspects of the neurophysiology.</li> <li>• Discuss the surgical significance of their course and distribution.</li> <li>• List surgical lesions associated with these nerves</li> </ul>   | Dr. Charles Agbi    |
| 14:20 – 15:00 | <b>Neuroanesthesia</b> <ul style="list-style-type: none"> <li>• Be able to decide the technique of anaesthesia for brain mapping procedures and those requiring intraoperative neurophysiological monitoring.</li> <li>• Be able to discuss the options available for postoperative pain management.</li> </ul>  | Dr. Adele Budiansky |

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|               | <ul style="list-style-type: none"> <li>List the common anaesthetic agents utilized in neurosurgery and their indications and relative merits.</li> </ul>   |  |
| 15:00 – 15:20 | <b>BREAK</b>   |  |
| 15:20 – 16:40 | <b>HOT SEAT SESSION</b>  | Dr. Safraz Mohammed and Dr. Charles Agbi |
| 16:40 – 17:30 | <b>Chiari malformation and syringomyelia</b> <ul style="list-style-type: none"> <li>Describe the definition and classification of “Chiari Malformations”</li> <li>Describe Syringomyelia</li> <li>Explain the association of Chiari I malformation and Syringomyelia and the pathophysiological theories explaining this</li> <li>Choose appropriate therapy of Chiari I malformation with or without syringomyelia</li> </ul> | Dr. Jay Riva-Cambrin                     |
| 17:40 – 18:20 | <b>Pediatric Functional Neurosurgery</b> <ul style="list-style-type: none"> <li>Epilepsy</li> <li>Spasticity</li> <li>Pain</li> </ul>  | Dr. Jay Riva-Cambrin                     |

