

13th Annual Ottawa Neurosurgery Review Course Schedule  
 8th - 15th February, 2025  
 Course Location – The Marconi Centre, 1026 Baseline Road, Ottawa

## Thursday February 13th

|               |   |                                   |
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| 07:20 – 08:00 | Breakfast   |                                   |
| 08:00 – 08:40 | <b>Spinal Biomechanics, Decision Making and surgical Options in Degenerative Spine Disease</b> <ul style="list-style-type: none"> <li>Define the concept of spinal stability and sagittal balance</li> <li>Describe “pelvic parameters” in clinical practice</li> </ul> Describe surgical techniques for correcting deformity   | Dr. Sean Christie                 |
| 08:50 – 09:30 | <b>Cervical Spondylosis: Diagnosis and Management</b> <ul style="list-style-type: none"> <li>Define cervical spondylotic myelopathy, including anatomical changes and pathophysiology</li> <li>Describe the indications for surgery</li> <li>Describe surgical options and provide relative indications for each</li> </ul>   | Dr Sean Christie                  |
| 09:40 – 10:20 | <b>Surgery for Epilepsy: What You Should Know</b> <ul style="list-style-type: none"> <li>Explain indications for the surgical treatment of epilepsy</li> <li>Review surgical anatomy relevant to temporal lobe epilepsy</li> <li>Know the definition of medically refractory epilepsy</li> <li>Review basic work-up of epilepsy patients, including neuropsychology evaluations</li> </ul>  | Dr. David Clarke                  |
| 10:20 -10:30  | <b>BREAK</b>  |                                   |
| 10:30 – 11:10 | <b>Epilepsy Case Discussions</b> <ul style="list-style-type: none"> <li>Diagnosis and imaging interpretation</li> <li>Management</li> <li>Surgical principles</li> </ul>  | Dr. David Clarke                  |
| 11:10- 11:50  | <b>Management of Peripheral Nerve Entrapment</b><br><b>Peripheral Nerve Entrapment Syndrome</b> <ul style="list-style-type: none"> <li>Have a basic understanding of and be able to describe the clinical features and pathophysiology of non-surgical peripheral nerve and muscle diseases involved in the differential diagnosis of neurosurgical conditions or requiring nerve and/or muscle biopsy.</li> </ul> Describe the pathology and pathophysiology of peripheral nerve | Dr Suganth Suppiah                |
| 11:50- 12:30  | <b>Management of Peripheral Nerve Injuries</b> <ul style="list-style-type: none"> <li>Describe the pathophysiology of peripheral nerve injuries</li> <li>Classify these injuries</li> <li>Describe the causes, clinical features and epidemiology</li> </ul> Discuss a logical approach to their management   | Dr. Line Jacques / Dr Andrew Jack |
| 12:30-13:40   | <b>LUNCH</b>  |                                   |
| 13:40- 15:00  | <b>HOT SEAT SESSION</b>   | Dr. Line Jacques / Dr Andrew Jack |
| 15:00 –15:20  | <b>BREAK</b>  |                                   |
| 15:20- 16:00  | <b>Case discussions – Peripheral nerve tumors, approaches, work up and management</b>   | Dr. Line Jacques / Dr Andrew Jack |
| 16:00 – 16:40 | <b>Classification and Management of Thoracolumbar Injuries</b> <ul style="list-style-type: none"> <li>Practical classification of thoracolumbar injuries in relation to treatment options and outcomes</li> <li>Decision making in the management of thoracolumbar injuries</li> <li>Enumerate treatment options</li> </ul>   | Dr. Scott Paquette                |

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|               | <ul style="list-style-type: none"> <li>Describe the elements of surgical treatment.</li> </ul>   |                     |
| 16:40 – 17:30 | <p><b>Pediatric Brain Tumors I</b></p> <ul style="list-style-type: none"> <li>Discuss the presenting signs of a brain tumor- different childhood age groups; diagnostic workup</li> <li>Identify/ classify more common brain tumors found in children; develop an appropriate Dx for a newly presenting pediatric brain tumor-WHO Classification has been updated in 2016</li> <li>Describe differences between adults and children in terms of types of tumors and planning surgery</li> </ul> <p>Feel Confident at the Royal College Exam, if you get a question</p> | Dr. Adrianna Ranger |
| 17:30- 17:40  | <b>BREAK</b>   |                     |
| 17:40 – 18:20 | <p><b>Pediatric Brain Tumors II</b></p> <ul style="list-style-type: none"> <li>Case based presentation</li> </ul>  | Dr. Adrianna Ranger |

