

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

## Saturday February 8<sup>th</sup>

07:00 – 07:40	Registration and Breakfast	
07:40 – 08:00	<b>Introductory Remarks</b> <b>Q&amp;A</b>	Dr Safraz Mohammed Dr. Charles Agbi Dr. Fahad Alkherayf
08:00 – 08:40	<b>Minimally Invasive Approaches in Spine Surgery: General Principles</b> <ul style="list-style-type: none"> <li>• Describe the indications and contraindications for minimally invasive techniques in spinal surgery</li> <li>• Discuss the role of technology in minimally invasive spine surgery</li> <li>• Be able to describe the planning and placement of thoracolumbar pedicle screws using minimally invasive techniques</li> </ul>	Dr. Safraz Mohammed
08:50 – 09:30	<b>Pineal Tumours</b> <ul style="list-style-type: none"> <li>• Recognize different pathologies affecting the pineal region</li> <li>• Identify the different diagnostic approaches for pineal tumours</li> <li>• Discusses different surgical approaches to pineal region</li> </ul>	Dr. Fahad Alkherayf
09:40 – 10:20	<b>Epidemiology, Genetics, Molecular Biology of Intracranial Aneurysms. Management of Unruptured Intracranial Aneurysms.</b> <ul style="list-style-type: none"> <li>• List three genetic syndromes associated with the development of brain aneurysms</li> <li>• List three molecules involved in the pathogenesis of aneurysms</li> <li>• List three histological features of aneurysm formation</li> <li>• Name three aneurysm features that can influence risk of rupture</li> </ul>	Dr. Alim Mitha
10:20 - 10:30	<b>BREAK</b>	
10:30 – 11:10	<b>Surgical Management of Ruptured Intracranial Aneurysms</b> <ul style="list-style-type: none"> <li>• To describe the rationale for the treatment of ruptured and unruptured aneurysms</li> <li>• Select the appropriate therapeutic strategy(ies) for the treatment of an aneurysm</li> <li>• To describe the risks associated with the treatment and therapeutic measures to minimize such risks</li> <li>• Describe the rationale for a multidisciplinary approach to the management of aneurysms</li> </ul>	Dr. Alim Mitha
11:10- 11:50	<b>Chordomas and Chondrosarcomas: Current Management</b> <ul style="list-style-type: none"> <li>• Describe the pathological differences between chordomas and chondrosarcomas</li> <li>• Describe the role of multi-disciplinary care in the treatment of chordomas and chondrosarcomas</li> <li>• Discuss the oncologic surgical principles for resection of chordomas and chondrosarcomas</li> <li>• List and describe options for surgical management of skull base chordomas and chondrosarcomas</li> </ul>	Dr. Idara Edem
11:50- 12:30	<b>Functional neurosurgery</b> <ul style="list-style-type: none"> <li>• Anatomy &amp; Physiology of the Basal Ganglia, Limbic System and Cerebellum</li> </ul>	Dr. Zelma Kiss

	To illustrate and draw anatomy of the limbic system including connections of hippocampal formation, Papez circuit, amygdala; and their role in memory, emotion & neurosurgery	
12:30-13:40	<b>LUNCH</b>	
13:40- 15:00	<b>HOT SEAT Sessions</b>	Dr. Alim Mitha
15:00 –15:20	<b>BREAK</b>	
15:20 – 16:00	<b>Endovascular Treatment Options for Ruptured Intracranial Aneurysms</b> <ul style="list-style-type: none"> <li>• Discuss the scientific basis for choosing treatment options for ruptured aneurysms</li> <li>• List three different endovascular techniques for ruptured aneurysms</li> <li>• Discuss commonly used adjuvant techniques for dealing with complex aneurysms</li> <li>• Describe a grading system for measuring treatment outcomes and the implications</li> </ul>	Dr. Gwynedd Pickett
16:00 – 16:40	<b>Pathophysiology, Diagnosis and Management of Cerebral Vasospasm</b> Following this lecture, learners will be able to: <ul style="list-style-type: none"> <li>• Select and correctly interpret appropriate investigations in the management of delayed neurological deterioration post-SAH.</li> <li>• List risk factors for cerebral vasospasm and describe epidemiology and outcomes.</li> <li>• Describe current understanding of pathophysiology of vasospasm post-SAH. Choose appropriate therapy for management of cerebral vasospasm.</li> </ul>	Dr. Gwynedd Pickett
16:40 – 17:30	<b>Vestibular and other schwannomas, Glomus tumors.</b> <b>What you should know</b> <ul style="list-style-type: none"> <li>• Describe the epidemiology and molecular biology of vestibular schwannomas and glomus tumours (including latest thinking)</li> <li>• Enumerate the preop investigations and treatment options for these lesions</li> <li>• Describe the surgical approaches to the treatment of these lesions and their outcomes</li> </ul>	Dr Galareh Zadeh
17:30- 17:40	<b>BREAK</b>	
17:40 – 18:20	<b>Case Presentations</b>	Dr Galareh Zadeh