

14th Annual Ottawa Neurosurgery Review Course
Schedule March 26 – April 2, 2026

Saturday March 28th

07:20 – 08:00	Breakfast	
08:00 – 08:40	Pathology of Non-Glial Tumours of the CNS <ul style="list-style-type: none"> Recognize the key macroscopical and histological features of the most frequent extra-axial tumor, peripheral nervous system tumors and pituitary tumors. Identify the key morphological elements supporting the WHO classification and grading of the entities presented 	Dr. Gerard Jansen
08:40 – 09:20	Pathology of Intrinsic Primary Tumours of the CNS <ul style="list-style-type: none"> Discuss the new integrated diagnosis in use for Astrocytic and Oligodendroglial tumours. <p>To be able to identify the role ATRX, and IDH mutation results play in classification of gliomas</p>	Dr. Gerard Jansen
09:20 – 09:30	Pathology – Spot diagnosis <ul style="list-style-type: none"> Identify the imaging and pathological findings of common neurosurgical cases. 	Dr. Gerard Jansen
09:40 – 10:20	Movement Disorders: Pathophysiology and Surgical Management with DBS <ul style="list-style-type: none"> List the pathological and molecular differences between neurodegenerative diseases including movement disorders, motor neuron disorders and cognitive disorders Explain the importance of non-motor features of Parkinson's Disease and provide examples of each Review the targets for neuromodulation (eg. DBS) in the basal ganglia for the treatment of movement disorders <p>Describe the technical steps and surgical nuances of DBS</p>	Dr. Alan Chalil
10:20 - 10:30	BREAK	
10:30 – 11:10	Classification and Management of lumbar Spondylolisthesis <ul style="list-style-type: none"> Classification of lumbar spondylolisthesis in relation to treatment options and outcomes. Decision making in the management of thoracolumbar injuries Enumerate treatment options Describe the elements of surgical treatment 	Dr Carlo Santaguida
11:10- 11:50	Vascular/Cranial Surgical Case Presentations	Dr. Max Findlay
11:50- 12:20	Lecture on exam preparation, the written exam, OSCE	Dr. Max Findlay
12:20 – 12:30	Resident Perspective – Exam Prep	Dr. Anne-Sophie Parent
12:30-13:40	LUNCH with presentation	
13:40- 15:00	HOT SEAT SESSION <ul style="list-style-type: none"> Describe and explain the diagnosis, investigation, and management of common neurosurgical cases 	Dr Carlo Santaguida/Dr. Max Findlay
15:00 –15:20	BREAK	

15:20 – 16:00	Subaxial Cervical Spine Injuries <ul style="list-style-type: none"> • Be able to accurately diagnose subaxial cervical spine injuries. • Recognize importance and use of different classification systems for subaxial cervical spine injuries • Select appropriate management options for subaxial cervical spine injuries 	Dr. Daipayan Guha
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16:00 – 16:40	O-C1-C2 <ul style="list-style-type: none"> To be able to identify the various types of C1/C2 injuries and describe the management options for each type Identify common pitfalls in the written and oral exams and how to avoid them, using clinical examples 	Dr. Fawaz Siddiqi
16:40 – 17:30	Spinal Cord Injury: Clinical considerations <ul style="list-style-type: none"> Recall the cornerstones for the treatment of acute spinal cord injury Explain the evidence behind therapeutic strategies for spinal cord injury <p>Outline priorities of spinal cord injury in the emergency setting</p>	Dr. Fawaz Siddiqi
17:30- 17:40	BREAK	
17:40 – 18:20	Stereotactic Radiosurgery Primer for Neurosurgeons <ul style="list-style-type: none"> Define the concept of stereotactic radiosurgery Explain basic radiobiology principles related to radiosurgery Identify the role of radiosurgery in the management of common neurosurgical conditions: <ol style="list-style-type: none"> brain metastases meningiomas vestibular schwannomas AVMs Trigeminal neuralgia 	Dr. Amit Persad
	Imaging of Spine and Spinal Tumors <ul style="list-style-type: none"> Review the key imaging features of common and infrequent intramedullary tumors. Discuss the role of conventional and advanced imaging techniques in the diagnosis and management of these tumors <p>Assess the most common intradural – extramedullary tumors</p>	Dr. Vered Tsehmaster-Abitbul