

8th Annual Ottawa Neurosurgery Review Course
February 1 – 8, 2020
Seminar Schedule

Friday, February 7, 2020

Time	Topic and Learning Objectives	Speaker
07:00 – 07:30	CONTINENTAL BREAKFAST	
07:30 – 07:40	Housekeeping/Announcements	
07:40 – 08:20	Childhood Hydrocephalus: Contemporary Management Objectives: <ul style="list-style-type: none"> • At the end of the presentation, participants will be able to • Apply pathophysiological principles to determine the appropriate options for the management of hydrocephalus in the pediatric age group • Utilize the results of clinical trials and registries to guide decision making • Recognize the various clinical presentation of treatment failure 	Dr. Femi Ajani
08:20 – 09:00	Management of convexity, parasagittal, parafalcine and intraventricular meningiomas <ul style="list-style-type: none"> • Evaluate imaging and develop an operative strategy to optimize patient outcome. • Distinguish critical venous anatomy. • Select surgical approaches to minimize eloquent tissue injury. • Anticipate potential pitfalls and consequences. • Formulate follow-up and adjuvant plans. 	Dr. Gary Goplen
09:00 – 09:40	Management Options for Low Grade Gliomas: What's New? <ol style="list-style-type: none"> 1. Be able to explain the pathology and basic molecular biology of low grade gliomas and what distinguishes them from high grade gliomas. 2. Be able to describe the typical presentation of patients with low grade glioma. 3. Be able to interpret the neuro-imaging of patients with low grade glioma. 4. Be able to discuss the controversies surrounding the management of patients with a low grade glioma including the early surgery approach versus the watchful waiting approach. 	Dr. Joe Megyesi
09:40 – 10:20	Case Presentations	Dr. Gary Goplen
10:20 – 10:40	REFRESHMENT BREAK	
10:40 – 11:20	Pathophysiology, Diagnosis and Management of Cerebral Vasospasm Following this lecture, learners will be able to: <ul style="list-style-type: none"> • Select and correctly interpret appropriate investigations in the management of delayed neurological deterioration post-SAH. • List risk factors for cerebral vasospasm and describe epidemiology and outcomes. • Describe current understanding of pathophysiology of vasospasm post-SAH. 	Dr Gwynned Pickett

11:20 – 12:00	<ul style="list-style-type: none"> Choose appropriate therapy for management of cerebral vasospasm. Posterior Fossa Meningiomas	Dr. Kesh Reddy
12:00 – 12:40	<ul style="list-style-type: none"> Be able to identify the key anatomical structures in the posterior cranial fossa Be able to decide which surgical approach is optimal for the presenting lesion Be able to express the safety measure to undertake for surgical procedures in the posterior cranial fossa CNS Infections: Surgical Considerations	Dr. Kesh Reddy
12:40 – 13:30	LUNCH	
13:30 – 14:10	Adult Hydrocephalus: Diagnosis and Management <ul style="list-style-type: none"> Describe the clinical presentation of adult hydrocephalus Discuss the epidemiology of hydrocephalus in adults Enumerate the steps in the diagnosis of NPH Discuss the treatment techniques and challenges 	Dr. Mark Hamilton
14:10 – 14:50	Management of Intraventricular / Pineal Region Tumours <ul style="list-style-type: none"> Compile a comprehensive list of the different types of pineal region tumours and intraventricular tumours Describe the steps used to establish the diagnosis List the treatment options for pineal region tumours Describe the surgical approaches to the pineal region Describe open and endoscopic approaches to intraventricular tumours 	Dr. Mark Hamilton
15:00 – 15:40	Surgery for Epilepsy: What You Should Know <ul style="list-style-type: none"> Explain indications for the surgical treatment of epilepsy Review surgical anatomy relevant to temporal lobe epilepsy Define medically refractory epilepsy Review basic work-up of epilepsy patients, including neuropsychology evaluations 	Dr. David Clarke
15:40 – 16:00	REFRESHMENT BREAK	
16:00 – 16:40	Spinal Cord Injury: Clinical considerations <ul style="list-style-type: none"> Describe the cornerstones for the treatment of acute spinal cord injury Explain the evidence behind therapeutic strategies for spinal cord injury Outline priorities of spinal cord injury in the emergency setting 	Dr. John Hurlbert
16:40 – 17:20	Spinal Cord and Peripheral Nerve Tumours <ul style="list-style-type: none"> Demonstrate competency in the classification, imaging characteristics, surgical extirpation and differential diagnosis of intramedullary spinal cord tumors Demonstrate competency in the classification, imaging characteristics, surgical removal of peripheral nerve sheath tumors Develop a standardized protocol for answering neurosurgical oral board questions 	Dr. Allan Levi

17:20 – 18:00	Tips for the Oral Exams:	Dr. Alan Levi
18:00 – 18:40	Neuromodulation for Pain At the end of this session, participants should be able to <ul style="list-style-type: none"> • Describe and draw the pain pathways • Discuss the role of surgery in pain modulation • List the currently available techniques for pain modulation including their indications and limitation • Discuss the physiological basis for the common pain modulation techniques utilized by neurosurgeons 	Dr. Michel Prud'Homme
18:40 – 19:00	Q's and A's	
19:00 – 19:10	Evaluations - WRAP UP	