Sunday January 28th

07:20 – 08:00	Breakfast	
08:00 – 08:40	**Pathology of Non-Glial Tumours of the CNS** • 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** • Gain knowledge of the new integrated diagnosis in use for Astrocytic and Oligodendroglial tumours. • To be able to identify the role ATRX, and IDH mutation results play in classification of gliomas	Dr. Gerard Jansen
09:20 – 09:30	**Pathology – Spot diagnosis**	Dr. Gerard Jansen
09:40 – 10:20	**Surgery for Malignant Primary Brain Tumours** • Describe dynamics of glial tumour growths and infiltration, and the role of surgery in negating these phenomenon's • To better define the role of surgery in assisting adjuvant treatment and impacting clinical surrogates in relation to molecular subtyping • To clarify the role and impact of technological advancements in assisting gross total resection, and their impact on clinical surrogates.	Dr. David Fortin
10:20 - 10:30	**BREAK**	
10:30 – 11:10	**Spinal Cord and Peripheral Nerve Tumours** • 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
11:10- 11:50	**Imaging Techniques for Intra-Axial Brain Tumours** • Review advanced imaging techniques for intra-axial tumours • Brief primer on MRI sequences • Recognize imaging patterns of CNS neoplasms and mimicking diseases. • Recognize the radiological features of radiation necrosis and tumor recurrence	Dr. Thanh Nguyen
11:50- 12:20	**Imaging Techniques for Extra-Axial Brain Tumours** • Review advanced imaging techniques for extra-axial tumours • Be able to identify different extra-axial tumours on radiological images	Dr. Thanh Nguyen
12:20-12:30	**Imaging – Spot diagnosis cases**	Dr. Thanh Nguyen
12:30-13:40	**LUNCH**	
13:40- 15:00	**HOT SEAT SESSION**	Dr. David Fortin/Dr. Joe Megyesi
15:00 – 15:20	**BREAK**	
15:20 – 16:00	**Case Presentations**	Dr Paul Kongkham
16:00 – 16:40	**Management Options for Low Grade Gliomas: What's New?**	Dr. Joe Megyesi

	• Be able to explain the pathology and basic molecular biology of low- grade gliomas and what distinguishes them from high grade gliomas. • Be able to describe the typical presentation of patients with low grade glioma. • Be able to interpret the neuro-imaging of patients with low grade glioma. • 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.	
16:40 – 17:30	**Brain Metastases** • Enumerate the currently available treatment options for metastatic brain tumours • Discuss the relative advantages and disadvantages of each treatment option/combination. • Discuss the available evidence supporting currently employed the treatment option. • Discuss the current guidelines for treatment of these lesions	Dr Paul Kongkham
17:40 – 18:20	**Stereotactic Radiosurgery Primer for Neurosurgeons** • 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: 1. brain metastases 2. meningiomas 3. vestibular schwannomas **4.** AVMs **5.** trigeminal neuralgia	Dr Paul Kongkham