

University of Alberta

Adult Neurology Curriculum

Revised December 14th, 2014

The University of Alberta Adult Neurology Half Day Curriculum consists of a two-year rotating curriculum based on the Royal College of Physician and Surgeons *Objectives for Training in Neurology*.

At the start of each academic year an eight week Introduction/Review block will occur. This block will consist of teaching centered the basic knowledge required by neurology residents, including but not limited to: Neuro-anatomy, Neuro-physiology, Neuro-investigations, Approach to Common Neurologic Problems. Within this block a yearly Evidence Based Medicine review course will also occur. This will consist of approximately 6-8 hours of lectures centered on levels of evidence, literature searches, statistics, critical appraisal, and so forth.

Built into the curriculum will be longitudinal themes that span each major block, including:

- CanMED Topics
- Pediatrics – disorders classifiable under disease categories in adult neurology will occur in those blocks, however 4 weeks every 2 years will also be dedicated to specific pediatric topics.
- Neuro-ICU
- Neuro Rehabilitation
- Basic Science

The two-year curriculum will be as follows:

Block Title	Designated Time
Year #1: 52 weeks – 1 week Christmas – 1 week Easter – 1 week retreat – 1 week program/staff review	48 Weeks Total
Introduction/Review • Neuro-Anatomy/Physiology • Neuro-Investigations: EEG, EMG, NCS, LP, Labs, Autonomic testing, Pathology, Imaging • Approach to common neurologic issues • EBM Course	8 weeks
Headache, Craniofacial Pain, Pain	4 weeks
Neuro-Oncology and Palliative Care	3 weeks
Neurologic Infections	3 weeks
Trauma, Brain Death, Organ Donation	3 weeks
Sleep	2 weeks
Neuro-ophthalmology and Neuro-otology	5 weeks
Neurologic Complications of Systemic Disease • Pregnancy • Drugs/Toxins • Psych	6 weeks
Epilepsy and EEG	8 weeks
Pediatric Neurology: Genetics and Inborn Errors of Metabolism, Neurologic Development, Developmental Delay and Regression, Behavioral Issues, etc.	4 weeks
Autonomic Neurology	2 weeks
Year #2: 52 weeks – 1 week Christmas – 1 week Easter – 1 week retreat – 1 week program/staff review	48 Weeks Total

Introduction/Review ● Neuro-Anatomy/Physiology ● Neuroinvestigations: EEG, EMG, NCS, LP, Labs, Autonomic testing, Pathology, Imaging ● Approach to common neurologic issues ● EBM Course	8 weeks
Inflammatory and Demyelinating Disorders of the Nervous System	5 weeks
Neuromuscular Disorders ● Motor Neuron Disease ● Root and Plexus Disorders ● Peripheral Nerve Disorders ● NMJ Disorders ● Myopathies ● EMG/NCS	10 weeks
Cognitive ● Dementia and Amnesia ● Delirium ● Developmental Abnormalities of the NS ● Delayed Development ● Developmental Regression ● Behavioral Disorders	8 weeks
Vascular Neurology	9 weeks
Movement Disorders	8 weeks

The typical half day will occur every Friday from 0800h – 1200h, and be structured as such:

0800h – 0900h: Case Rounds – examination and discussion of interesting patients

0900h – 1000h: Grand Rounds

1000h – 1200h: Lectures/Team based Learning/Work-shops/etc. based on block theme

Other rounds that may occur in place of Case Rounds include:

- Neuroradiology Rounds – occur every other month
- EEG Rounds – occur every other month
- Quality Care Rounds – occur 4 times per year.

Other learning opportunities include:

- EEG Rounds
- Seizure Conference
- Stroke Rounds
- Unusual Movement Disorder Rounds
- Neurointerventional Rounds
- Neuroinflammatory Rounds
- Neuromuscular Rounds

**Please see the neurology calendar for the exact times and locations of these rounds.*