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2. Contact Person:

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3. The Comprehensive Epilepsy Program at BC Children's Hospital, offers a fellowship in epilepsy and electroencephalography (EEG). This fellowship provides comprehensive post-graduate training in the practice of clinical neurophysiology and epilepsy, and a strong foundation for epilepsy research.

The program has five Epileptologists and comprises the following specialized areas: Ketogenic Diet, Epilepsy Surgery, Vagus Nerve Stimulation, Investigational anti-seizure Medications, and Brain Mapping. The program also has specialized clinics in the following areas: Tuberous Sclerosis, Epilepsy Genetics, Neuro-inflammatory. The Clinical Epilepsy Service evaluates and cares for children with epilepsy using intensive video-EEG monitoring utilizing scalp, depth, and subdural electrodes. The Service also has daily rounds on epilepsy, and is involved with epilepsy surgery, and intra-operative monitoring.

Fellows are involved in all facets of care. Primary responsibilities include epilepsy clinics, inpatient rounds, consultations, monitoring and review of all recorded seizures. Fellows will perform analysis of interictal EEG data from monitored patients, and do electroclinical correlation. In addition, cortical stimulation and mapping are performed by the fellows together with the Epileptologist. Attendance at weekly epilepsy surgery, EEG and clinical neurophysiology conferences and at journal club is expected.

In addition to clinical expertise in the above areas, each fellow is expected to develop a clinical research project. Research topics are initiated by the fellows or selected from suggestions made by members of our group. Although our fellowship can be 1 or 2 years, we strongly encourage 2 years. In the second year, formal training in clinical study design, data analysis and statistics, is available. Participation in research endeavors is expected and strongly encouraged.

Overall, the program provides fellows with strong clinical skills in epilepsy and EEG. It also prepares the fellow for an Academic Career. All our fellows have gone on to hold prestigious appointments at various institutions here in Canada and abroad.