



## **Paediatric Epilepsy Fellowship**

This 1 year fellowship training program based in the Alberta Children's Hospital in beautiful Calgary, AB; is focus on clinical neurophysiology and epilepsy. The main objective is to master skills necessary for recording and interpreting EEG and epilepsy monitoring studies (long term studies) and to develop competence in clinical management of patients with epilepsy.

During the one-year fellowship the trainee will become proficient in:

- 1) Interpreting EEGs of patients with epilepsy.
- 2) Supervising prolonged video EEG recordings admissions.
- 3) Managing patients with epilepsy in a dedicated clinic, long-term monitoring unit (including invasive recording) and operating room (electrocorticography).

The aims of the fellowship is to provide the candidate with knowledge on the basic principles in clinical epilepsy and EEG. The fellowship includes rotations in neurophysiology and clinics in alternating weeks. During the neurophysiology week rotation, the trainee will manage patients admitted in the Long-term Monitoring Unit (LMU) which consists of 2 dedicated for patients with non-invasive and invasive investigations. The trainee will also read daily regular out-patient's EEGs and attend OR for invasive procedures as needed (ECoG). The trainee will also review continuous video-EEG recording in the neuro-intensive care unit for critically-ill patients. During the clinic week rotation the applicant will have participation in outpatient epilepsy clinics including patients with VNS and on Ketogenic Diet.

The trainee will learn the mechanisms and classification of the epilepsies and seizure types, their aetiologies, differential diagnosis, management and medical treatment and indications for surgical therapy. The applicant will become familiar with the basic principles of the pharmacotherapy of the epileptic seizures and epileptic disorders/syndromes. It is also expected that the trainee will become familiar with basic underlying neurophysiology and the neuroanatomy and have an understanding of the basic mechanisms involved in epilepsy. At the end of the fellowship it is expected that the trainee will be able to act as an independent epileptologist in an academic or community environment and successfully challenge the CSCN EEG exam.

If interested in applying to our fellowship training, please contact:

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