

McGill University Department of Neurology & Neurosurgery

Pediatric EEG/Epilepsy Fellowship, 1 and 2-year

Location: Montreal Children's Hospital/McGill University Health Centre Glen Site (with some time also spent at the Montreal Neurological Institute)

Fellowship Program Director: Dr. Elisabeth Simard Tremblay (e-mail elisabeth.simardtremblay@mcgill.ca , phone (514) 412-4466

Duration: 1 or 2 years. The one-year fellowship has a heavier focus on clinical training and less time to pursue research projects.

Funding: For information on salary and acceptable sources of funding, please visit <http://www.mcgill.ca/pgme/admissions/prospective-fellows>.

Capacity: The program will allow up to two fellows, combined from the one- and two-year fellowships, enrolled per year.

Summary of Clinical Training: Fellows will have exposure to a wide variety of clinical pediatric epilepsy presentations and will become familiar with the range of therapeutic options available. Training involves, but is not limited to the following:

- Reading and reporting scalp EEG studies, including routine and prolonged video EEG and home ambulatory EEG studies.
- Assisting with admission and daily rounding of patients admitted for telemetry.
- Attending at least one half-day epilepsy clinic per week.
- Presenting patients at Comprehensive Epilepsy Conference meetings
- Involvement in invasive monitoring procedures including some or all of intra-operative electrocorticography, stereo EEG and grids (more involvement in 2nd year).
- Vagus nerve stimulator programming and adjustments.
- Ketogenic diet initiation and monitoring.
- Attending and participating in EEG rounds, which are held every 2 weeks. During these rounds, epileptologists, residents and EEG technologists, discuss complex EEG cases from the past weeks. The rounds also include a short didactic presentation, at times given by EEG fellows (at least 4 per year).

Research: Fellows will be expected to complete a research project resulting in at least a presentation at a local or international meeting, and ideally a publication in a peer-reviewed journal. Within the first months

- Dr. Elisabeth Simard-Tremblay (EEG, intracranial EEG)
- Dr. Bradley Osterman (EEG)

- Exhibit appropriate clinical judgment in outlining a differential diagnosis and an investigative and therapeutic plan, taking into account matters such as the patient's age, general health, risk and cost of investigative procedures, risk and cost of therapeutic interventions, and epidemiology of the disease.

Technical Skills

- To learn/review detailed, practical anatomy of epilepsy.
- Other technical skills related to fellowship in EEG.

Knowledge

- Acquire and understand the neuroanatomic principles and pathological substrates of EEG and epilepsy.
- Become familiar with the neurophysiological principles, the basic mechanisms related to epilepsy.
- Learn the major categories or classifications related to epilepsy.
- Learn clinical neuropharmacology related to epilepsy.
- Acquire expertise in the decision making re5(siy.. 0208y EEG)4(.))TJETQq02 012 2 reW*nBT/F2 12 Tf1 0

Be an effective teacher of other physicians (including medical students and house officers), other health care personnel, and patients. The fellow will:

-

Understand the role of national and international bodies (e.g. ILAE, American Epilepsy Society, AAN) in the promotion of neurological health, and the prevention, detection, and treatment of peripheral nervous system disorders.

6. Scholar

General Requirements

Develop, implement and monitor a personal continuing education strategy.

Critically appraise sources of medical information.

Facilitate learning of patients, house staff/students and other health professionals.

Contribute to development of new knowledge.

Specific Requirements

Be able to critically assess the neurological literature as it relates to patient diagnosis, investigation and treatment:

- Develop criteria for evaluating neurological literature.
- Critically assess the neurological literature using these criteria.
- Be familiar with the design of experimental and observational studies, especially randomized controlled trials.
- Be able to calculate absolute risk reductions, relative risk reductions and numbers needed to treat or harm.

Be able to participate in clinical or basic science studies as a member of a research team:

- Be able to describe principles of good research.
- Use the above principles, and be able to judge whether a research project is properly designed.
- Be prepared to present research findings to peers at local, national or international conferences.

7. Professional

General Requirements

Deliver highest quality care with integrity, honesty, compassion, and with an open mind, free of biases towards diversity.

Exhibit appropriate personal and interpersonal professional behaviours with patients/families, peer residents and other health care professionals.

Practice medicine ethically consistent with obligations of a physician.

Specific Requirements

Demonstrate personal and professional attitudes consistent with a consulting physician role:

- Periodically review his/her own personal and professional performance against national standards set for the specialty.
- Be willing to include the patient in discussions concerning appropriate diagnostic and management procedures.
- Show appropriate respect for the opinions of fellow consultants and referring physicians in the management of patient problems and be willing to provide means whereby differences of opinion can be discussed and resolved.

Be willing and able to appraise accurately his/her own professional performances and show that he/she recognizes his/her own limitations with regard to skill and knowledge by appropriately consulting other physicians and paramedical personnel when caring for the patient.

Be willing and able to keep his/her practice current through reading and other modes of continuing medical education and develop a habit of maintaining current his/her clinical skill and knowledge base through continuing medical education.