

Clinical neuromuscular and electromyography fellowship

Duration of Fellowship: 1 year  
Number of fellowship positions: 1  
Fellowship Supervisor: Dr. C.Chalk

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Name of the hospitals involved in training and time spent in each:

- Montreal Neurological Hospital (MNH), 45%;
- Montreal General Hospital (MGH), 45%;
- Montreal Children's Hospital (MCH), 5%;
- Jewish General Hospital,(JGH) 5%

Mission:

The Clinical Fellowship year is intended to offer the fellow a sound clinical experience and wide and comprehensive exposure to neuromuscular diseases.

For a complete description of this fellowship, please see below:

Department of Neurology and Neurosurgery  
Clinical Fellowship Application.

**Fellowship:** Clinical neuromuscular and electromyography fellowship

**Fellowship Supervisor:** Dr. C.Chalk

**Fellowship Information:**

- Number of fellowship positions required: One
- Name of the hospitals involved in training:
  - Montreal Neurological Hospital (MNH)
  - Montreal General Hospital (MGH)
  - Montreal Children Hospital (MCH)
  - Jewish General Hospital (JGH)
- Time spent by the fellow in each institution:
  - MNH 45%
  - MGH 45%
  - JGH 5 %
  - MCH 5%

• Description of Fellowship:

The fellowship year will be divided into 2 components:

- The first component will focus on neuro-muscular diseases in adults as well as in the pediatric-adolescent populations.
- The second component will focus on electrodiagnostic evaluations including nerve conduction studies, EMG and evoked potentials.

The fellow will attend the ALS, neuro-muscular and Neuropathy clinics. The fellow will be supervised at all sites.

In the pediatric-adolescent population, the fellow will be involved with Dr. Chantal Poulin in her monthly neuro-muscular clinic.

Electrodiagnostic procedures will be done at the MNH and the MGH under the supervision of the Neurology attending Staff.

- Research activity and publications related to fellowship:  
This year of fellowship is considered to be purely clinical.  
A clinical research project is encouraged but not mandatory.
- Duration of Fellowship: 1 year
- Mission Statement for Fellowship:  
The clinical fellowship year is intended to offer the fellow a sound clinical experience and wide and comprehensive exposure to neuromuscular diseases.
- Source of funding for fellowship:  
Outside funding (governmental), Sultanate Of Oman.

### **Names of the Teaching Faculty**

Teaching staff will include:

Dr Bernard Brais, Dr Colin Chalk, Dr Daniel Gendron, Dr Angela Genge,  
Dr Erin O'Ferrall, Dr Fraser Moore, Dr Chantal Poulin, Dr Rami Massie.

- Roles of Teaching Faculty:  
Neurologists will guide and supervise the fellow in several areas, and assess:
  - The fellow's assessment and application of relevant information to clinical practice
  - The fellow's clinical judgment
  - The fellow's clinical diagnostic and therapeutic skills
  - The fellow's skills to gather pertinent information from family members and to establish therapeutic relationships with them
  - The fellow's capacity to consult with other physicians and allied health professionals
  - The fellow's contribution to effectively improve patients' quality of life and social integration
- Summary of clinical practice:

The clinical practice of Dr Genge, focuses on ALS and myopathies in the adult population.

Dr. Chantal Poulin's practice involves the pediatric and adolescent populations and includes muscular dystrophy, myotonic dystrophy, spinal muscular atrophy and hereditary motor and sensory neuropathies.

Dr. Erin O'Ferrall's practice includes muscle and nerve disease in adults, plus interpretation of muscle biopsies.

Dr. Colin Chalk's practice focuses on peripheral neuropathy and myasthenia gravis in adults.

- **Major Strengths:**

The teaching faculty is widely and internationally recognized for its excellence in neuromuscular disease from both a clinical and research perspective.

The teaching members are dedicated to teaching.

The volume of patients assures an excellent exposure to the neuromuscular pathologies.

The academic program is well organized and interaction with neurologists, researchers, fellows, residents and students is very stimulating.

**Academic Facilities :**

- **Facilities for clinical and academic pursuit:**

The clinics are managed and run by dedicated staff and experienced nurses and allied health professionals.

Teaching is delivered by staff and senior residents or fellows on a regular basis.

Specialized clinics are organized:

Neuropathy clinic at the MGH (Tuesday PM)

Neuromuscular/Myopathy clinic at the MNH (Wednesday PM)

Myasthenia Gravis clinic at the MGH (Friday AM)

Nerve and Muscle Biopsy reading at the MNH (Friday PM)

EMG clinics at the MNH and MGH (regular daily schedule)

Neuromuscular Journal club is held on Thursday at noon.

EMG labs are fully equipped.

- **Library access, etc**

The candidate will obtain a hospital card and a pass to the different libraries as well to the multimedia learning material. He will have access to the photocopying machine.

**Fellow Duties and Responsibilities:**

- The fellow will rotate among the four hospitals cited above: MNH, MGH, MCH and JGH

- There will be fixed rotations specifically during EMG. These rotations are for a minimum of 4 weeks and can be extended to a maximum of 12 consecutive weeks.

- The fellow 's outpatient clinical responsibilities will be to :

- Assess the patient and report in the chart, in a clear manner, the patient's medical condition, needs, therapeutic modalities and functional prognosis.

- Organize a comprehensive treatment plan

- Report to the staff

- Insure a regular follow-up and help organize, if needed, different investigative tests

- The teaching responsibilities of the fellow towards residents in their field of specialization consists of:
  - Delivering medical teaching on a regular basis
  - Providing the residents with different review articles or books chapters for the purpose of reviewing their basic knowledge
  - Mentoring for some medical students or junior residents
  
- Participation in academic activities:
  1. The fellow participates to the Department academic activities under the supervision of the neurologist in charge of the activity. (seminars, M&M rounds, etc)
  2. The fellow will be supervised by a staff neurologist in his academic activities.
  3. The organization of the meetings and the distribution of academic material will be done by the neurology staff's secretary.
  4. The fellow will attend a national meeting or symposium in neuromuscular diseases during his fellowship year.
  5. The fellow is encouraged to present a poster or deliver a talk during the event.

## Curriculum

The fellow's case load will vary from one clinic to another.

The fellow is expected to assess and evaluate an average of 3 to 4 patients per clinic.

The fellow will also supervise some of the junior residents' case loads.

The fellow will take charge of the patients whom diagnosis is already established and insure for them an adequate treatment plan.

The fellow is expected to get a balanced exposure to the population with neuromuscular diseases.

Myopathies and neuropathies will constitute 60 % of the patients.

ALS patients and other conditions (MG, spinal muscular atrophies, etc) will constitute the other 40 %.

Reading material and reference books will be provided by the staff neurologist.

The fellow will attend the following weekly conferences:

- Neurology grand rounds at the MNH
- Neurology rounds at the MGH

Fellowship Supervisor  
Dr. Colin Chalk




Neurology Program Director  
Dr. Anne-Louise Lafontaine