

Department of Neurology and Neurosurgery Clinical and Clinical Research  
Fellowship Application Form

Stroke and Cerebrovascular Disease Fellowship

Fellowship Supervisors: Dr. Robert Côté and Dr. Jeffrey Minuk

Fellowship Information:

- Number of fellowship positions requested: 1
- Name of hospitals involved in training
  - Montreal General Hospital
  - SMBD-Jewish General Hospital
  - Jewish Rehabilitation Hospital
- Description of Fellowship: This is a two-year clinical fellowship focusing both on acute stroke management and interventions as well as on secondary stroke prevention. Fellows will also attend the acute stroke units at both the Montreal General Hospital and Jewish General Hospital. Fellows will attend stroke prevention clinics and provide consultations on complex cerebrovascular patients. There will be ample exposure to neuro-radiology and non-invasive vascular imaging including CT angiography, MR angiography, cervical ultrasonography and transcranial doppler. Fellows will have the opportunity to enroll in clinical epidemiology and biostatistics courses. Rotations in occupational therapy, physiotherapy and speech-language pathology will be available.
- Research activity and publications related to fellowship: the fellow would be expected to complete a clinical research project during the fellowship.
- Duration of Fellowship: 2 years
- Mission statement for fellowship: The goal of this fellowship is to train a Royal College certified neurologist (or equivalent) in the specialized field of stroke and cerebrovascular diseases in order to help reduce the burden of stroke. Fellows will obtain a thorough knowledge of the pathophysiology, classification, epidemiology, risk factors and management of stroke and allied cerebrovascular disorders. Fellows will become familiar with relevant past and current literature and develop an appreciation for accepted treatment guidelines and an awareness of areas of controversy. Fellows will apply their knowledge and skills to a wide range of patients and play a significant role in patient education related to risk factor modification thereby helping to reduce the occurrence of stroke and other cerebrovascular disease.
- Source of funding for fellowship: The supervisors will assist candidates by directing them to sources of outside funding. The Fellow will also benefit from the support staff and resources provided through the individual institutions.

Names of the Teaching Faculty:

1. Robert Côté  
Professor of Neurology and Neurosurgery,  
Montreal General Hospital

Clinical supervisor to guide learning in stroke and cerebrovascular disease  
Clinical research project co-supervisor

Co-founder of the McGill University Cerebrovascular Clinic  
Active Clinical practice specializing in stroke and cerebrovascular disease  
Clinical and basic science studies in stroke and cerebrovascular disease

1. Dr. Jeffrey Minuk  
Associate Professor of Neurology and Neurosurgery,  
SMBD-Jewish General Hospital  
Co-director SMBD-Jewish General Hospital stroke unit  
Clinical supervisor to guide learning in stroke and cerebrovascular disease  
Clinical research project co-supervisor

Co-founder of the McGill University Cerebrovascular Clinic  
Active Clinical practice specializing in stroke and cerebrovascular disease  
Clinical and basic science studies in stroke and cerebrovascular disease

2. Dr. Alexander Thiel  
Associate Professor of Neurology and Neurosurgery,  
SMBD-Jewish General Hospital  
Director Neurovascular laboratory  
Co-director SMBD-Jewish General Hospital stroke unit

Other teaching faculty:

1. Dr. T. Wein: attending staff McGill University Cerebrovascular Clinic
2. Dr. L. Durcan: attending staff McGill University Cerebrovascular Clinic
3. Dr. E. Ehrensperger: attending staff McGill University Cerebrovascular Clinic
4. Dr. C. Wolfson: Professor of Epidemiology, Biostatistics and Occupational Health, McGill University

Academic Facilities

Facilities for clinical pursuits: The Fellow will see new patients referred with stroke, transient ischemic attack or allied disorders and his/her own follow up patients within the clinical areas of the Montreal General Hospital and SMBD-Jewish General Hospital. The fellow will review and discuss each case with a faculty member

(usually one of the co-supervisors). There are excellent facilities in both institutions. The Fellow will have access to be able to review imaging and other test results and to discuss cases with other specialists including neurologists, neurosurgeons, radiologists and internists. Both the Montreal General Hospital and SMBD-Jewish General Hospital have acute stroke units.

Facilities for academic pursuits: The Fellow will conduct a clinical research project under the supervision of Drs Côté and Minuk. The vast resources of McGill will be at the fellow's disposal for literature searches, and other forms of guidance, including both electronic and hard copies of the major stroke specialty journals. Fellows will be encouraged to present their findings at major international stroke meetings. Fellows will have access to course in clinical epidemiology and biostatistics.

### Fellow Duties and Responsibilities

- The fellow may take call with faculty/staff backup and will be expected to assist in the acute stroke units at both hospital sites.
- The Fellow will not be asked to supervise residents but will be encouraged to participate whenever possible in discussions of cases seen by residents in the stroke units or stroke prevention clinic.
- The fellow will be expected to spend some clinical time with Dr. Minuk at the SMBD-Jewish General Hospital and some time with Dr. Côté at the Montreal General Hospital, in both in-patient and outpatient settings. In addition, about one day a week will be set aside for the fellow to work on his/her clinical research project.
- The outpatient clinic responsibilities include 4-5 half day clinics
- The teaching responsibilities towards residents consist of actively participating in the discussions of patients being reviewed by the staff. In addition, the fellow would be expected to present at the monthly stroke rounds widely attended by residents as well as McGill Departmental Rounds.
- The fellow might also participate in specific seminars directed towards particular groups such as emergency residents, or to discuss certain areas with groups of residents (e.g. journal club).
- Support staff available to the fellow: secretarial support is available at both institutions. A clinical nurse specialist attends the McGill University Cerebrovascular Clinic regularly.
- Proposed meetings to be attended by the fellow: the fellow should attend the annual American Stroke Association's International Stroke Conference.
- The fellow will be expected to conduct a clinical research project and write up at least an abstract, possibly a manuscript by the end of the raining period.

### Curriculum

- The Intended case load for the Fellow shall be: 2 -3 new patients and 2 follow up patients per half day clinic. This should give ample time for reflexion and review of each case with the supervising staff. The fellow will thus see 12 to 18 new patients and 10-12 follow up patients per week which will give adequate exposure to different types of patients with cerebrovascular disorders.
- The fellow will gain access to a variety of stroke patients referred from the community, emergency room, and less so from other subspecialties. The

- majority of referrals will be for transient ischemic attack of mild stroke. The fellow will be encouraged to keep a log of cases seen.
- The fellow will attend the acute stroke units at the SMBD-Jewish General Hospital and at the Montreal General Hospital.
  - The fellow will be given a detailed list of areas that he/she is expected to cover through self study over the course of the fellowship. The fellow will also be supplied with seminal articles and any other articles of interest that come up for discussion in relation to patients seen in the clinic.
  - The fellow will be expected to attend and actively participate in monthly departmental stroke rounds.

#### Evaluation

- Fellows will be under the direct supervision of Dr. Côté and Dr. Minuk and be provided with regular feedback.
- Fellows will meet formally on a monthly basis with supervisors to discuss progress.
- Fellows will be evaluated informally regularly during clinic and in-patient experiences and be provided with feedback
- Formal written evaluations will be provided every 3 months.