

McGill University  
Department of Diagnostic Radiology  
Interventional Neuroradiology  
Montreal Neurological Hospital and Institute  
2 year Program

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**FELLOWSHIP DIRECTOR: DR. CARLOS TORRES**

**RESIDENCY PROGRAM DIRECTOR: DR. JANA TAYLOR**

**PROGRAM ADMINISTRATORS: CATHY TORCHIA, ROBIN GRANICH**

**Summary:**

The Department of Radiology offers a 2 year fellowship in Interventional Neuroradiology, based at the MNH site of the McGill University Health Center.

The MNH site is equipped with a 1.5 Tesla MRI , a bi-plane neuro-angiographic room with Rotational 3D capability, one multipurpose fluoroscopy room, a 320 slice CT scan, a portable CT scan, two Color Doppler units and plain film unit.

The MNH site of the MUHC is a major tertiary and quaternary referral center for brain tumors, epilepsy, vascular lesions and degenerative diseases. The program benefits from the close collaboration with 13 neurosurgeons and over 20 neurologists.

The Interventional Neuroradiology program covers many endovascular procedures (coiling of aneurysms, embolization of AVM and tumors, carotid and intracranial stenting, intra-arterial thrombectomy therapy) and percutaneous spinal procedures (vertebroplasty, biopsy, nerves blocks) The Interventional Neuroradiology service has admitting privileges for elective procedures and it is fully integrated with the Neuro-Vascular service.

Candidates must have completed their specialty training in Diagnostic Radiology. A solid background in Diagnostic Neuroradiology is an asset.

**Workload**

The Interventional Neuroradiology fellowship is dedicated to the endovascular and percutaneous treatment of multiple central nervous system vascular lesions and tumors, to the percutaneous treatment of spine conditions including vertebroplasty, nerve blocks, epidural blocks and biopsy. The fellowship includes interpretation of brain and spine imaging. Upon successful completion of training the fellow should be able to function autonomously in the interpretation of CT, MRI and Doppler, and demonstrate competence in the performance of diagnostic angiography and spine procedures. S/he will be aware of the indications and the technical management for the treatment of vascular lesions and tumors and should be able to perform endovascular procedures under supervision, lumbar puncture and myelography independently.

The candidate should be familiar with the materials and devices available and used in interventional procedures and demonstrate knowledge pertaining to the complications related to the procedures, and their management.

**On Call**

The fellow is on call 9 days per month. The fellow is on call as 1<sup>st</sup> call, supported by the attending staff.

**Teaching and academic activities**

The fellow participates actively in the teaching of other trainees and actively participates in the other academic activities in the department. Neurosurgery Rounds, Cerebrovascular Rounds and Thursday Neuroradiology Rounds are required activities.

The fellow is encouraged to participate in research activities. Protected time may be granted depending on the nature of the project. The project must be discussed and approved in advance by the fellowship director.

**Work Schedule**

Daily working hours are from 8:00 am to 6:00 PM.

**Feedback and evaluation**

The fellow is evaluated on a daily bases by the attending staff. A formal verbal and written evaluation is given to the fellow every 6 months.

**Expected daily case load and other duties** CT: 5 cases

MRI: 5 cases

Diagnostic angiogram and Interventional Procedures: 2-3 per day Spine procedures: 5-10 per day.

When on call the fellow is expected to review and provide preliminary reports for emergency cases.

**For more information contact:**

Website: <https://www.mcgill.ca/radiology/>

e-mail: [radiology.fellowships@mcgill.ca](mailto:radiology.fellowships@mcgill.ca)