

#### HOSPITAL SITE:

Hamilton Health Sciences  
Hamilton General Hospital

#### DURATION:

12 months

#### QUALIFICATIONS:

Applicants should be certified in Anesthesiology by the Royal College of Physicians and Surgeons (or equivalent). FRCPC or eligibility



#### Fellowship Description

The Neuro Anesthesiology Fellowship is a competency-based program following core training in anesthesiology. Training will be conducted at McMaster affiliated hospitals including Hamilton General Hospital and Juravinski Hospital. The fellow will participate in all aspects of neuro anesthesiology including pre and post surgical care by working in the neurosurgical OR, neuro step down unit, and neuro interventions in the neuro diagnostic imaging suite.

#### Application

Please submit completed application to our PGME Department  
[pgme.mcmaster.ca/apply/fellowships-application/](http://pgme.mcmaster.ca/apply/fellowships-application/)

#### Inquiries About the Application

For inquiries about the Anesthesia for Neurology Anesthesia Fellowship Program, you may contact the Department of Anesthesia at [anesadm@mcmaster.ca](mailto:anesadm@mcmaster.ca).

#### Inquiries About the Fellowship

**Dr. Jennifer Nelli, FRCPC**

Email: [Jenn.m.nelli@gmail.com](mailto:Jenn.m.nelli@gmail.com)



# Fellowship in Neuro Anesthesiology

| [healthsci.mcmaster.ca/anesthesia](http://healthsci.mcmaster.ca/anesthesia) |

FOCUSED ON A  
**BRIGHTER  
WORLD**



[anesadm@mcmaster.ca](mailto:anesadm@mcmaster.ca)



[@MacAnesthesia](https://twitter.com/MacAnesthesia)

Anesthesia

McMaster  
University 



## Clinical Objectives

---

The special competency will be achieved by the following:

1. Participation in Neurosurgical cases 2-3 times a week
2. Participation in the anesthetic care of patients undergoing neuro interventional procedures in the diagnostic imaging suite 1 time every second week (every Thursday). This will include exposure to all but not limited to: AVM embolization, Aneurysm coiling, mechanical thrombectomy, carotid stenting
3. The fellow will develop expertise in the area of anesthesia for awake craniotomies and will participate in at least 2 awake craniotomies per month
4. Participate neuro trauma cases both during the day and through their on-call experience
5. The fellow will develop a competency in the provision of anesthetic care for major spine surgery including but not limited to complex intradural and extradural spinal tumor resections, spinal decompressions and fusions)
6. The fellow will complete one to two months in the Neuro step down unit. During this time the fellow will gain experience in the perioperative care of the neurosurgical patient. The fellow will have the opportunity to work with both neuro anesthesiologists and neuro intensivists during this time.



## Educational Objectives

---

### Structured educational components (30%)

- Participate in weekly educational rounds (Wednesdays 7:00-8:00am)
- Lead resident teaching in neuro anesthesia 2x yearly
- Conduct a neuro anesthesia research project as over the course of the year. Research projects include quality improvement initiatives, systematic reviews, RCTS, cohort/ case control studies, chart reviews, writing of a book chapter/review article.
- Lead quality improvement rounds on a neuro anesthesia topic 1x yearly
- Local and regional journal clubs quarterly

