

Fellowship in Anesthesia for Minimally Invasive Surgery and Fast-Track Surgery

Duration : 1 year

Number of positions: 1

Fellowship supervisor: Dr Franco Carli, MD, MPhil, FRCA, FRCPC

Hospital : McGill University Health Centre

Research: The fellowship includes 60% clinical with the option to undertake research activities. The candidate will participate in the preparation of a clinical project.

Mission statement:

To train anesthesiologists in the perioperative care of patient undergoing minimally invasive surgery for a selection of surgical specialties. Under supervision, the candidate will develop and implement novel perioperative strategies and treatments aimed at accelerating the recovery process and minimizing the surgical stress.

Description:

The emerging field of minimally invasive surgical (MIS) approach to a variety of surgical procedures and fast-track programs has received great attention from the anesthesia community. The popularity of MIS and fast-track stems from the understanding that they are associated with less trauma and accelerated postoperative recovery.

At McGill, a very active surgical program in MIS has been established for over 10 years. The Steinberg-Bernstein Centre of Minimally Invasive Surgery at McGill University has been set to foster education, research and clinical innovation in the field of endoscopic surgery. The Department of Anesthesia has been actively involved in the Centre by collaborating with surgeons and nursing in setting up clinical pathways for perioperative care of surgical patients, and for a variety of major surgical procedures (abdominal, thoracic, urological, vascular, orthopedic).

During the fellowship the candidate will be actively involved in :

1. aspects of clinical care. Under the supervision of staff anesthesiologists he/she will be involved in optimizing surgical patients in the preoperative clinic,

providing anesthesia in the operating room and following patients during the postoperative period. The candidate will become familiar with innovative anesthesia techniques (TCI, combined regional/general, regional anesthesia) and the use of adjuvants.

2. on call system (two calls per month).
3. academic activities (grand rounds, journal clubs, teaching rounds, anesthesia update, research day). Interaction with the residency program is encouraged. Access to the McGill facilities (libraries, sport complex, cultural events) is available.
4. interdisciplinary meetings on clinical pathways and fast-track programs. The candidate will have an opportunity to participate in the audit and outcome studies performed by the multidisciplinary group.
5. current research activities. This will give the opportunity to the candidate to undertake a research project on various aspects, of pharmacological or epidemiological nature. The candidate is encouraged to present the academic work at scientific meetings, and financial support will be provided by the department..