

Fellowship Description for: **Perioperative Medicine and General Anesthesia Research Fellowship**

Site: Royal Victoria Hospital, or Montreal General Hospital

Supervisors:

Roupen Hatzakorzian and Albert Moore (RVH)

Franco Carli (MGH)

Length of Fellowship: 1 year

Numbers of fellowships: 1 per site per year

Type of fellowship: clinical and research

Background:

Over the last 20 years the role of the anesthesia provider has changed from solely delivering anesthesia care and pain relief to a more comprehensive involvement throughout the perioperative trajectory, starting before surgery and continuing after hospital discharge. With increased medical complexity of surgical patients and implementation of perioperative care pathways, the anesthesiologist is required to play a major role not only in the operating room, but also in the preoperative clinic with appropriate anesthesia and surgical risk assessment and stratification, and clinical optimization. Working together with surgeons, internists, and allied health providers, the anesthesiologist can effectively impact on postoperative outcome.

Overview:

The goal of this fellowship will be to train fellows in perioperative medicine by exposing them to pre-operative, intraoperative and postoperative management of patients. In addition, there will be a strong compulsory component of research that will involve perioperative care. The proposed time devoted to research will be 50%.

The fellow's clinical time will be spent in the preoperative clinic and also providing care in the operating room. The fellow is expected to familiarize with preoperative assessment, risk stratification, clinical pathways and guidelines. The fellow will be part of the preoperative team, evaluating patients for complex surgical interventions. The fellow will be expected to develop perioperative pathways to facilitate the care of surgical patients, provide anesthesia for a variety of complex procedures and gain exposure to intensive care patients

Through the participation in new and ongoing clinical research projects the fellow will learn the basics of clinical research. The fellow will learn how to design projects, obtain ethical approval, obtain patient consent, perform protocols, acquire and analyse data, and write and submit manuscripts. The fellow will

be expected to participate in ongoing research projects, but will also be expected to initiate and complete at least one project during the fellowship specifically pertaining to perioperative medicine.

The fellow will be expected to present at grand rounds, each year at the Anesthesia Research day, and also submit work for presentation at the Canadian Anesthesiology Society annual meeting or any other recognised Anesthesia conference. Facilities are available for enrollment in master science program in the Faculty of Medicine for interested and committed candidates.

#### Description of the sites:

The Royal Victoria Hospital is a tertiary care center that specializes in cardiac, vascular, hepatobiliary, gynecologic, and general surgeries. There is a special focus on care for the cancer patient in these specialties. The hospital has a preoperative clinic that operates every weekday. The team that works in the clinic is multidisciplinary, and includes internal medicine specialists, anesthesiologists, and nurses.

The Montreal General Hospital is a tertiary care center that specializes in trauma, orthopaedic, thoracic, maxillofacial and general surgery. There is a special focus on cancer surgery for bowel resection. There is a preoperative clinic that runs every weekday. It is staffed by anesthesiologists, internal medicine and nurses. A research prehabilitation unit has been set up to assess and stratify surgical risk, and provide a personalized, structured optimization plan. The unit includes physicians, internists, kinesiologists and nutritionists.

Call requirements: The fellow may be expected to do call. They would not be expected to perform more than 4 calls per month. Call would start at 16:00, and finish the next day at 8:00. They would not work more than 2 weekends per 4 week period.

Evaluation process: The fellow will be evaluated using the McGill one45 system every 3 months. Evaluation will be based on the fellow's clinical activity, ability to perform clinical research, and on their progress through their own clinical projects.

For information regarding salary amount and acceptable sources of funding please visit the link at [http://www.medicine.mcgill.ca/postgrad/admission\\_fellowships.htm](http://www.medicine.mcgill.ca/postgrad/admission_fellowships.htm)