

## **Adult Cardiovascular Anesthesia Fellowship**

**Duration:** 1 year

### **ADULT 1 YEAR FELLOWSHIP:**

**Number of positions:** 1 to 2 fellows per year

**Name of Hospitals involved:** Jewish General Hospital; Royal Victoria Hospital, MUHC

**Fellowship supervisors:** Dr. Bergez Mistry (JGH) and Dr. Vesselina Koeva (RVH)

**Type of Fellowship:** This is a clinical fellowship. There is opportunity to become involved with research and it is highly encouraged.

**Mission statement:** To provide clinical training towards comprehensive academic knowledge in the field of adult cardiac anesthesia and transesophageal echocardiography and clinical proficiency in providing the highest standard of anesthetic care for adult cardiac patients. This is a twelve-month clinical cardiac anesthesia fellowship with time equally divided between two hospital sites, the Sir Mortimer B. Davis Jewish General Hospital and the McGill University Health Centre (Royal Victoria Hospital). Approximately 1400 cases are performed annually between the two hospitals. This allows the fellow to have exposure to a wide variety of cases including CABG (both with and without CPB), single or multiple valve replacement or repair, and combined coronary and valve procedures. As well, ascending aortic and aortic arch surgery with deep hypothermic arrest, a cardiac transplantation, and placement of ventricular assist devices round about the fellow's experience. The fellow will also be exposed to highly specialized procedures including endovascular thoracic aortic repair, percutaneous closure of congenital cardiac defects. The fellow will have sufficient opportunity to acquire the specialized knowledge and technical skills in order to function as an independent consultant cardiac anesthesiologist at the completion of the fellowship. Transesophageal echocardiography plays a prominent role in cardiac anesthesia and during the fellowship the trainee will have sufficient opportunity to acquire the technical skill necessary to perform diagnostic examinations as well as develop expertise using TEE as a monitoring tool. Teaching is under the direction of TEE board-certified cardiac anesthetists and trainees are expected to become TEE board-certified on completion of their training. The primary responsibility of the fellow is to provide expert cardiac anesthetic care to patients presenting for cardiac surgery. The level of responsibility is graded with increasing autonomy as the trainee progresses. The trainee is always paired with a staff cardiac anesthesiologist. There is opportunity to become involved with research and it is highly encouraged. Both hospitals are training locations for residents in anesthesia. There is also the opportunity to become involved in the teaching of anesthesia residents.

### **Transesophageal Echocardiography**

The cardiac fellow is expected to perform a complete echocardiographic evaluation and report for each patient. During the training period, the cardiac fellow is expected to complete the required number of echocardiographic cases to achieve an advanced level of training in perioperative TEE as defined in the Canadian Guidelines for training in perioperative TEE. It is expected that the trainee will achieve certification by the National Board of Echocardiography in advanced perioperative transesophageal echocardiography by the end of his training.