

## **INTERVENTIONAL CARDIOLOGY FELLOWSHIP**

**LENGTH OF FELLOWSHIP:** One year training in interventional cardiology (after Core Cardiology)

**ACADEMIC AFFILIATION:** McGill University, MUHC cardiology program.

**NAME OF HOSPITALS:** Royal Victoria Hospital.

**FELLOWSHIP PROGRAM DIRECTOR:**

**FUNDING:** Candidates must secure funding (as per PGME guidelines) to apply for this fellowship.

**NUMBER OF FELLOWSHIP POSITIONS:** Maximum 3 per year.

Interventional Cardiology fellows must have completed Cardiology core training at an institution with Royal College certification or equivalent for foreign fellows. Knowledge of diagnosis and management of ischemic heart disease is considered part of core cardiology training, and the ability to function as a cardiologist is a prerequisite for Interventional Cardiology training. Patient management issues such as heart failure, cardiac arrhythmias, hypertension, and stroke prevention all intersect with management of ischemic heart disease. The ability to perform an

several ongoing collaborative trials. The efforts of Drs.

(as above plus intracoronary imaging expertise) □ Giuseppe Martucci (as above plus structural, adult congenital and valvular intervention) □ Nicolo Piazza (as above plus structural and valvular intervention) □ Marco Spaziano (as above plus structural and valvular intervention)

**ACADEMIC FACILITIES:** The MUHC cath lab facilities are concentrated at the RVH pavilion (Glen site). The facilities consist of three cath lab suites, including a biplane room, located in a separate, closed and air co

with AV equipment (including teleconference capability, full access computers to hospital, library database and internet, as well as dedicated PACS stations, allowing immediate access to angiographic records and images). As well, there is a fully monitored and nursing staffed fourteen bed ward for

dedicated staff room and suitable sanitary accommodations. This produces a privileged working and learning environment, with close access to a reserved reading space and immediate, moment to moment access to staff interventionalists. One would be hard put to find a better physical environment to facilitate learning. Technical skills are acquired in the labs with the immediate presence and active mentoring and physical demonstration and guidance of the staff MD in the cath lab. Our labs yearly perform roughly 3,599 ToughCiate, moCe m(r), moCe

Demonstrate the ability to prioritize professional duties when faced with multiple patients and problems.

Demonstrate compassionate and patient-centered care

Recognize and respond to the ethical dimensions in decision-making having to do with interventional procedures

Perform appropriate and accurate invasive diagnostic and therapeutic procedures safely

**Demonstrate knowledge of m**

Diagnosis and management of embolized stents or other entrapped equipment, using snares and other retrieval devices

### **TECHNICAL SKILLS**

The Interventional Cardiologist will demonstrate an understanding of the indications, contraindications, complications, and interpretation of the following, and will have expertise and technical competence in the performance of the following:

- Coronary artery angiography
- Ventriculography / Aortography
- Right-left heart pressure measurements
- Vascular access (arterial and venous)
- Vascular closure
- Endomyocardial biopsy
- Invasive coronary physiology assessment
- Intravascular ultrasound and Optical Coherence Tomography examination
- Pericardiocentesis
- Temporary transvenous pacing
- Intra-aortic counterpulsation
- Use of advanced percutaneous ventricular support devices (such as Impella, ECMO)
- Use of percutaneous coronary interventions: balloon and stent implantation
- Use of distal protection devices
- Use of microcatheters
- Use of aspiration catheters
- Use of plaque or restenosis modifying devices (such as rotational atherectomy, coronary lithotripsy, laser atherectomy)

### **COMMUNICATOR**

Describe an interventional procedure, including risks, appropriateness and rationale, to a patient

Respect differences and address misunderstandings and limitations in other professionals  
interprofessional tension

## **SCHOLAR**

Conduct or contribute to an interventional cardiology research project or related scholarly activity

Access and interpret evidence relevant to the practice of Adult Interventional Cardiology

Critically review relevant published material at Journal Club

Educate other physicians, other health professionals, members of the public, or government officials about aspects of Adult Interventional Cardiology

The fellow will be responsible for selecting cases for the weekly hour long heart team cath conference, with case presentations, including all major complications or difficult clinical cases during the preceding week. The fellow will also collaborate with formal cath lab teaching to cardiology trainees, including that given during dedicated academic half-days. Along with general cardiology residents rotating through the cath lab, they will select and present articles during the biweekly cath lab journal club. The fellow will also be expected to prepare concise presentations on core topics in interventional cardiology (using journal club.

Given the above, we truly believe that our group has acquired the necessary infrastructure and physician experience and competence to now offer selected candidates an instructive and rewarding learning experience, at the end of which they will fully meet the necessary qualifications required by the appropriate governing bodies