

## **McGill University Health Center Chronic Total Occlusion and Complex PCI fellowship program**

**Director: Stéphane Rinfret, MD, SM**

Chronic total occlusion (CTO) percutaneous coronary intervention (PCI) has emerged over the last 8 years as a true sub-specialty of interventional cardiology, with specificities that extend far beyond regular PCI. Most interventional cardiology programs are aiming to provide patients with the highest quality services in regular PCI, but also in structural heart disease intervention and now in complex coronary interventions. Consequently, some programs can now offer a training in complex PCI. In January 2016, Dr Stéphane Rinfret, who is a renowned expert in complex coronary intervention joined the MUHC. He has been performing over 250 complex CTO interventions at MUHC, including a large proportion of protected PCI under Impella. Also, Dr Rinfret has performed over 800 CTO PCI since January 2010, which is one of the largest single-operator volume in the world.

Dr Rinfret leads this fellowship program. The program combines activities of two McGill Institutions: The Jewish General Hospital and the McGill University Health Center. He is assisted by Dr Dominique Joyal, an operator who also has extensive experience in CTO PCI. The fellow is expected to spend 2 days per month at the JGH to assist Dr Joyal in procedures performed there.

### **2 options for fellowship:**

#### **One-year Chronic Total Occlusion and Complex PCI fellowship program**

As of 2018, we will be offering a 1-year fellowship program option. Such an option will be only offered to candidates already in practice, who have performed over 500 PCI, or who just completed a regular general interventional cardiology fellow from one Canadian or US program.

During the fellowship, the candidate will be exposed to a variety of complex CTO PCI techniques, including the retrograde approach, dissection re-entry techniques, IVUS-guided CTO cap puncture, techniques that are exclusive to CTO PCI. Moreover, he will be exposed to other complex PCI techniques including unprotected left main PCI, coronary atherectomy, 2-stent bifurcation techniques, and others. The program is aiming at a volume of 150 complex PCI per year, which will be among the highest volume of such interventions in Canada. Also, the fellow will be expected to conduct several prospective and retrospective studies under the supervision of Dr Rinfret, who is associate professor of medicine at McGill, in the field of CTO PCI, with a volume of publications of 2-3 manuscripts per year.

**Requirements for a 1-year fellowship period are as follows:**

*1- Obtaining external funding for 1 years*

*2- Having performed over 500 regular PCI in clinical practice or having completed a regular interventional cardiology fellowship in a Canadian or US center.*

*3- 3 letters of reference supporting the candidate and the possibility to start a CTO PCI programme when back home.*

## **Two-year Chronic Total Occlusion and Complex PCI fellowship program**

During this longer program, the fellow will be focusing on CTO PCI during the first year. He will cover calls, and will spend 50% of his time in research. During the second year, the fellow will also be focusing his work in the field of complex PCI and will be expected to complete his research projects.

## **Requirements for a 2-year fellowship program**

*1- Obtaining external funding for 2 years*

*3- 3 letters of reference supporting the candidate and the possibility to start a CTO PCI programme when back in their institution.*