

Advanced Aortic and Peripheral Endovascular Surgery Fellowship

Name of Institution : MUHC

Location: MUHC and JGH

Number of fellowship positions: one position per year.

Academic affiliation: McGill University

Name of hospitals involved in training: RVH 50%; JGH 50%.

Background:

Endovascular therapy is now the first line therapy for the majority of vascular pathologies. The Vascular Surgery Division at McGill is very active in endovascular treatment of vascular diseases and has become nationally known for their pioneering efforts in endovascular surgery, particularly in regards to EVAR for pararenal aortic aneurysms and thoracoabdominal aortic aneurysms. McGill Vascular Surgery is a major referral site in the province of Quebec for complex vascular surgery cases of all types, including cases requiring complex endovascular reconstruction. The knowledge base and skill set required for expertise in advanced endovascular aortic reconstruction goes beyond both the training requirements for Vascular Surgery at the level of the Royal College of Surgeons of Canada as well as the expertise of most vascular surgery training programs in Canada. A postgraduate fellowship in endovascular therapy with exposure to all aspects of endovascular arterial intervention, including peripheral and aortic pathology, provides an opportunity for skill acquisition which can facilitate expertise in advanced

trainees consistently carry our clinical research projects during the course of their training and have seen these through to completion, presentation at national meetings and publication in peer-reviewed journals. In addition, we supervise medical students and surgery residents in ongoing clinical research projects.

Included below is a list of selected publications from our Faculty over the past several years:

Hanley SC, Steinmetz OS, Mathieu ES, Obrand DI, Mackenzie KM, Abraham CA, Gill HL. Safety and Feasibility of Endovascular Aortic Aneurysm as Day Surgery.

Herman CR, Charbonneau P, Hongku K, Dubois L, Hossain S, Lee K, Steinmetz OK. Any IFU nonadherence to instructions for use predicts graft-related adverse events in

OK. Mid-term results following endovascular repair of blunt thoracic aortic injuries.. Vasc Endovascular Surg. 2012. 46(2): 109-16.

KE Kvinlaug, DK Lawlor, TL Forbes, Rod Willoughby, KS MacKenzie, G DeRose, MM Corriveau, OK Steinmetz. Early Results From a Canadian Multicenter Prospective Registry of the Endurant Graft for Endovascular Treatment of Abdominal Aortic Aneurysms. Journal of Endovascular Therapy. 2012. 19(1): 58-66 .

Albacker TB*, Nouh TA, Alabbad SI, Corriveau MM, Mackenzie KS, Obrand DI, Steinmetz OK, Abraham CZ

Tse L, Steinmetz OK, Abraham CZ, Valenti DA, MacKenzie KS, Obrand DI, Chuter TA. Branched Endovascular Stent Graft for Suprarenal Aortic Aneurysm: The future of aortic stent grafting? Can] Surg 2004 Aug; 47(4).

Aljabri B*, Obrand DI, Montreuil B, MacKenzie KS, Steinmetz OK. Early Vascular Complications after Endovascular Repair of Aortoiliac Aneurysms. Annals of Vascular Surgery 2001. 15(6) : 608-14.

Mission

The mission of the advanced aortic and peripheral endovascular surgical fellowship is to provide a stimulating environment for vascular surgeons to acquire the clinical, cognitive and technical skills required to incorporate cutting-edge endovascular techniques into their clinical practice. We aim specifically to train surgeons to become experts at the techniques of standard abdominal and thoracic aortic procedures as well as fenestrated and branched endovascular aortic stent grafts, stenting and peripheral arterial angioplasty, sub intimal angioplasty and stenting.

Name of the Fellowship Program Director:

Dr. Oren Steinmetz

Dr. Steinmetz is the Chief of the Division of Vascular Surgery at McGill University and a Past President for the Canadian Society for Vascular Surgery. He completed his general surgery residency at McGill University in 1992 and his Vascular Surgery training at the University of Ottawa in 1993. He began treating aneurysm patients with endovascular stent grafts in 1998 and since that time has been instrumental in developing the endovascular program at the RVH into one of the largest and most well-known in the country. In addition to his busy clinical practice at McGill, Dr. Steinmetz has proctored and mentored many vascular surgeons across the country as they have developed their own endovascular programs for the treatment of abdominal and thoracic aortic pathology. Dr. Steinmetz also has an active peripheral arterial practice which incorporates a high volume of percutaneous peripheral angioplasties.

Names of the Other Teaching Faculty:

Dr. Daniel I Obrand

After finishing his vascular surgery fellowship at McGill, Dr. Daniel Obrand trained at UCLA in endovascular surgery, specializing mostly in EVAR of abdominal and thoracic aneurysms. He was the first vascular surgeon in Canada to engage in a fellowship of this kind. In 1998, Dr. Obrand began performing EVAR at the JGH, and was one of the first surgeons in Canada to do so. Under his leadership, the Division of Vascular Surgery at McGill University became a national leader in endovascular repair of thoracic and abdominal aortic aneurysms. Percutaneous vascular intervention is now a significant part of his vascular surgery practice

Dr. Marc M Corriveau

Dr. Corriveau is currently on staff at McGill University and holds an appointment as Assistant Professor o

Dr. Jason Bayne

Dr. Bayne is originally from Manitoba, completing his undergraduate medical training at the University of Manitoba, his General Surgery Residency at the University of Calgary, and his Vascular Surgery fellowship at McGill University. He was in practice in Edmonton, from 2010 - 2015 at the Grey Nuns Hospital and the Northern Alberta Vascular Centre as an assistant professor with the University of Alberta. He has since returned to McGill and the JGH as an assistant professor of surgery. He has taken on the additional roles of Program Director for the McGill Vascular Surgery Residency Program, and the Assistant Director of the Noninvasive Vascular Laboratory at the Jewish General Hospital.

Doctor Bayne takes a special interest in advanced aortic endovascular repair as well as all peripheral endovascular intervention. As such, Doctor Bayne leads McGill's advanced aortic program with the assistance of the advanced endo

The fellow will attend monthly morbidity and mortality rounds and be expected to contribute when relevant advanced cases are presented and discussed.

Staff support available to the fellow:

The fellow will have administrative support from the secretary of the Fellowship program director as well as from the office of the Program Director of the Vascular Surgery Residency.

Proposed meetings to be attended by the fellow:

The fellow is expected to present at least one national meeting during the year in addition to resident research day at McGill University.

The fellow is encouraged to attend and/or submit abstracts to other meetings as appropriate, including:

1. The Canadian Society for Vascular Surgery
2. The Society for Vascular Surgery
3. The Peripheral Vascular Surgery Society
4. Les Entretiens Vasculaires
5. The European Society for Vascular Surgery
- 6.

Regular reading materials: