



St. Paul's Hospital University of British Columbia

Fellowship in Interventional Cardiology

St. Paul's Hospital, situated in Vancouver, is the designated heart centre for the province of British Columbia. Cardiac subspecialty programs include cardiac surgery, electrophysiology, rehabilitation, adult congenital, heart failure, and transplantation. Currently approximately 1200 coronary and 400 structural interventions along with 2500 diagnostic procedures are performed annually.

St. Paul's Hospital, being associated with the University of British Columbia, trains medical students, specialty residents and cardiology residents. Subspecialty fellows train in electrophysiology, heart failure, adult congenital, echocardiography and interventional cardiology. The fellowship in interventional cardiology is a combined clinical and research position. It is expected that at the completion of the training period that the fellow will be a competent, experienced general interventional cardiologist with experience in coronary, interventions, structural interventions, and research.

Duration: 2 years, a 1-year appointment may be considered

Number of fellows: 3 to 4 fellows

Funding: Internal funding may be available for a limited number of fellows. This varies from year to year. However, the majority of our fellows come with their own salary support. Having external salary support improves the likelihood of acceptance.

Office: Interventional fellows share an office with desks, telephone, computers, hospital network and internet access adjacent to the catheterization laboratories.

Clinical Responsibilities: Prior experience and some degree of facility in diagnostic catheterization is expected. Approximately one half time will be committed to clinical interventional cardiology. Fellows admit and follow interventional inpatients and participate in reasonable interventional call. It is expected that fellows will advance in a graded, supervised manner and will obtain considerable experience as a primary operator. At the completion of the fellowship it is anticipated that fellows will be in a position to function as an independent operator

Fellows can expect an exposure to a broad spectrum of diagnostic catheterization including right and left heart catheterization, transseptal catheterization, endomyocardial biopsy, pulmonary vasodilator challenge, intra-coronary imaging and adult congenital investigations. St Paul's participates in a coordinated regional direct infarct angioplasty program. St. Paul's Hospital has a long standing reputation as a referral centre for specialized interventional

procedures including aortic, pulmonary and mitral valvuloplasty, septal ablation, intra-cardiac defect closure, left atrial appendage and paravalvular leak closure, specialized adult congenital interventions. St Paul's is has the largest transcatheter heart valve program in Canada. St. Paul's is the only site in British Columbia for alternative access transcatheter aortic valve implantation, pulmonary valve implantation, and for transcatheter mitral and tricuspid valve repair and replacement.

Academic Responsibilities: Fellows will devote up to one half of their activities to academic pursuits. Fellows are expected to participate in ongoing research projects, to initiate their own projects and to publish and present abstracts and journal manuscripts during their training. Opportunities for fellowship rotation between the St. Paul's Hospital and Vancouver General Hospital interventional fellowship programs are encouraged to enhance clinical and academic exposure. Interventional cardiologists, while hospital based, have cross appointments at both St. Paul's and Vancouver General hospitals.

The interventional group has an active research infrastructure with a manager, several nurses and can provide statistical support. The Centre for Heart Valve Innovation (CHVI) is a cooperative St. Paul's and Vancouver General Hospital group which facilitates transcatheter valve research with over 500 publications. The newly developed Centre for Cardiovascular Innovation (CCI) extends this with the formal infrastructure to further extend this approach.

Catheterization Lab Attending Staff:

Eve Aymong MD

- interventional (coronary, CTO)

Robert Boone MD

- interventional (coronary, mitral)

Ron Carere MD

- interventional (coronary, congenital, septal ablation)

Anthony Fung MD

- interventional (coronary, CTO), Vancouver General Hospital based

Brett Heilbron MD

- diagnostic

Mounir Riahi,

- interventional (coronary, congenital)

Jackie Saw MD,

- interventional (coronary, LAAO), Vancouver General Hospital based

Mustafa Toma MD

- heart failure

John Webb MD

- interventional (coronary, structural, valves)

David Wood MD

- interventional (coronary, structural, valves), Vancouver General Hospital based

Fellowship coordinator: John Webb MD. Fellowship candidates are welcome to visit Vancouver or meet with an Interventionalist attending a major meeting such as AHA, ACC, CCS, TCT, TVT, PCR.

Contact: Fellowship correspondence is handled by Lenka Antoni: Interventional cardiology research, St. Paul's Hospital, 200-1033 Davie Street, Vancouver, BC, Canada V6E 1M7
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