

SPH Angio
Goals & Objectives CanMeds

St Paul's Hospital
1081 Burrard, Vancouver BC V6Z 1Y6

SPH Angiography

Total: # *Periods/modules/Rotations*

Level: PGY 2 -5

Rotation Supervisor: Dr. Dave Fenton

The angiography rotation is offered to the residents from PGY2-5 with a single resident participating in a one- two month block. The angiography division consists of a fully equipped single plane, C-arm angio suite with digital subtraction capability and one additional digital room for less invasive diagnostic and interventional vascular procedures.

The angiography rotation consists of the following:

1. Initial one-on-one didactic sessions for the resident with the attending radiologist between cases consisting of catheter theory / 'dry lab' experience and interesting case review.
2. The resident is expected, under the direction of the attending, to provide a focused clinical history and examination and review of pertinent lab data of all patients undergoing angio/interventional procedures. A strong clinically oriented approach is encouraged.
3. The resident participates 'hands-on' as first or second operator on all angio/interventional cases. The typical resident experience is very well rounded, consisting of many neuro, visceral, and peripheral diagnostic angiograms, both arterial and venous. The resident also participates fully in all interventional cases including a wide range of central and peripheral arterial and venous angioplasty and stenting as well as various transcatheter pharmacologic interventions and embolizations. Indwelling permanent venous access procedures are also performed. Fluoro guided spine interventions are also performed.
4. After cases, the resident is expected to ensure adequate hemostasis, write routine post-procedure orders, and is encouraged to see the patient in follow-up within 24 hours of the procedure if possible.
5. The cases of the day are reviewed together with the attending and dictated either by attending or resident.
6. The resident is expected to be present at monthly Vascular Rounds attended by vascular surgery and radiology. The resident also participates in monthly vascular access rounds attended by radiology, nephrology and vascular surgery.

Angiography Rotation Goals

Medical Expert

1. To encourage the development of a clinically oriented consultative approach to angiographic and spinal diagnosis and therapy, with an understanding of the risks, indications and contraindications of various procedures.
2. To provide the foundation for a good working knowledge of vascular and spinal anatomy, physiology, and pathology.
3. To allow the resident to become knowledgeable and comfortable with basic angiographic diagnostic and interventional techniques and to be able to recognize and manage patient complications effectively.

Communicator:

- *establish therapeutic relationship with patients/families*
- *obtain and synthesize relevant history from patients/families/communities*
- *listen effectively*
- *discuss appropriate information with patients/families and the health care team*

Collaborator

- *consult effectively with other physicians and health care professionals*
- *contribute effectively to other interdisciplinary team activities*

LEADER ROLE:

- *Implement processes to ensure personal practice improvement*
- *Set priorities and manage time to integrate practice and personal life*
- *Apply the science of quality improvement (ie discussion of potential audit) to contribute to improving*
systems of patient care
- *Contribute to a culture that promotes patient safety, including recognition of patient safety issues, and utilization of health informatics to improve patient safety*
- *Demonstrate leadership skills to enhance health care*

Health Advocate

- *identify the important determinants of health affecting patients*
- *contribute effectively to improved health of patients and communities*
- *recognize and respond to those issues where advocacy is appropriate*

Scholar

- *develop, implement and monitor a personal continuing education strategy*
- *critically appraise sources of medical information*
- *facilitate learning of patients, housestaff/students and other health professionals*
- *contribute to development of new knowledge*

Professional

- *deliver highest quality care with integrity, honesty and compassion*
- *exhibit appropriate personal and interpersonal professional behaviours*
- *practice medicine ethically consistent with obligations of a physician*

Reading List:

1. Kandarpa K. Handbook of Interventional Radiologic Procedures. Fifth Edition.