

## VASCULAR SURGERY ELECTIVE

### Mission Statement

The goal of the Vascular Surgery rotation is to expose the cardiology fellow to basic concepts of vascular surgery and vascular ultrasound imaging in an educational and enjoyable fashion.

### General Statement of Educational Objectives for Fellows

The goals of this rotation are to learn basic concepts behind vascular surgery, clinical decision making in vascular surgical patients, basic nonoperative care, ultrasonography in the noninvasive lab, pre-operative decision making and treatment options for peripheral vascular disease. The goals of this rotation do not include technical performance of angiography (although interpretation will be an integral part of pre-operative planning), “scut”, resident call or resident level responsibilities, or specific operative skills. Specifically the fellow will be involved in the understanding and interpretation of the non-invasive vascular diagnostic techniques of both arterial and venous disease of vascular ultrasound studies. This will be accomplished by spending time with the vascular surgery attending reviewing the studies as well as hands-on bedside experience with technicians in the vascular ultrasound lab. The faculty member directly responsible for fellow education and administration of the program is Michael Singh, M.D., but questions may be directed to him or any of the other vascular surgery attendings.

### Specific Educational Goals:

The curriculum is designed to promote the broad goals of a number of the ACGME Core competencies:

Patient Care: exposure to a broad range of vascular disease patients, including patients with peripheral arterial insufficiency, carotid disease and other arteriopathies. In addition, the diagnosis and management of venous insufficiency, lymphatic disease and the differentiation of these diseases from arteriopathic problems will be emphasized.

Medical Knowledge: An understanding of the pathologic basis of the different peripheral vascular diseases along with and understanding of the pathophysiology of different arterial diseases and the treatment options available will be emphasized.

Practice Based Learning: judicious and appropriate use of non-invasive and invasive diagnostic testing will be stressed in the diagnosis and management of PVD.

Professionalism: show compassion and respect for others. Respect patient right for privacy and autonomy.

Interpersonal and Communication Skills: demonstrate interpersonal and communication skills that result in the effective exchange of information and collaboration with patients, families and health professionals.

Systems Based Practice: advocate for quality patient care and optimal patient care systems.

Formal interactions are being developed (and are always available on an individual basis) for both collaborative research and endovascular training with the Division of Vascular Surgery. These are separate from this rotation and the fellow may feel free to contact department staff to arrange such interactions.

#### STATEMENT OF EXPECTATIONS OF FELLOWS

Minimum expectations:

- 1) The fellow will attend Dr. Michael Singh's outpatient clinic on Wednesdays at the Vascular Surgery Clinic on White Spruce Boulevard. This experience will involve seeing patients with Dr. Singh during this whole day clinic (roughly 9am-5pm) as well as spending time with the sonographers performing vascular ultrasound procedures.
- 2) The fellow will observe the performance and review the results of at least 50 vascular ultrasound procedures performed at the Vascular Surgery Clinic. On most days, patients begin arriving for vascular ultrasound procedures by 8:30am.

Specific numerical goals:

If desired on an individual basis, the fellow may wish to obtain adequate exposure to vascular ultrasound to achieve COCATS-2/ARDMS criteria of 500 studies to sit for the RPVI examination. This may be achieved via the following avenues, and may or may not be able to be completed solely during the one month elective.

- 1) Observation, participation and review of vascular ultrasound studies performed at Vascular Surgery Clinic at the White Spruce Boulevard Office
- 2) Review of studies performed at the Echocardiography Lab at Strong Memorial Hospital. Images are available archived on Echo PAC and the database may be retrieved from Pronto.

3) Review of studies performed at the Echocardiography Lab at Highland Cardiology.

Additional activities:

Additional experiences may be arranged on an individual basis, and may include:

- 1) Attendance of clinic with other members of the vascular surgery faculty
- 2) Observation of peripheral vascular cases, either percutaneous interventions in the Cardiac Cath lab or operating room procedures.

Evaluation will be done by written evaluation by the preceptor at the close of the rotation. Rotating fellows will also have the opportunity to evaluate their rotation and give us feedback.

CONFERENCES:

- 1) Vascular Ultrasound Lecture the First Fridays of each month at 7:00 am. It is held in the Adams Room, 2-6322.
- 2) There will be didactic conferences as part of the CVD fellow core lecture series.
- 3) Wednesday 7AM Cath/Vascular Conference, as part of the CVD fellow weekly conference schedule.

VACATION POLICY:

Vacation may be taken in accordance with the program vacation policy.

CALL POLICY:

There are no call responsibilities specific to this rotation.

RESEARCH OPPORTUNITIES:

Collaborative opportunities are available and may be arranged in discussion with clinical faculty in each department.

## Credentials of the Faculty

Michael J. Singh, MD  
Assistant Professor of Surgery  
University of Rochester, BA  
SUNY @ Buffalo, MD  
Surgery Resident, SUNY @ Buffalo  
Vascular Surgery Fellowship, University of Massachusetts

David L. Gillespie, MD  
Professor, Vascular Surgery  
Bachelor of Science, BS  
F. Edward Hebert School of Medicine, MD  
Letterman Army Medical Center Internship  
Boston University Surgical Residency Program  
Vascular Surgery Fellowship, Boston University Medical Center

Jason K. Kim, MD  
URMC title: Assistant Professor of Surgery  
Univ of Pennsylvania @ Philadelphia, BSE  
Medical College of Georgia, Augusta, MD  
Surgery Resident, Ochsner Clinic Foundation, New Orleans  
Vascular Surgery Fellowship, Ochsner Clinic Found.

Ankur Chandra, MD  
URMC title: Assistant Professor of Surgery  
Case Western Reserve, Cleveland, BS  
Case Western Reserve, MD  
Univ of CA @ San Diego, Surgery Resident  
UCLA Medical Center, Vascular Fellowship

John A. Porter, MD  
URMC title: Associate Professor of Clinical Surgery  
Ohio University, BA  
University of Pittsburgh, MD  
Dartmouth Hitchcock Med Ctr, Gen Surg Residency  
Louisiana State Univ, Vascular Surg Fellowship

Credentials of the Faculty Con't

Jennifer L. Ellis, MD

URMC title (8/1/11): Assistant Professor of Surgery

University of Michigan, Ann Arbor, BA

University of Michigan, Ann Arbor, MD

Surgery Resident, Henry Ford Hospital, Detroit, MI

Vascular Surgery Fellowship, Cleveland Clinic, OH

Nicholas Gargiulo, MD

URMC title (8/1/11): Associate Professor of Surgery

Colgate University, BA

Mt. Sinai School of Medicine, MD

Albert Einstein College of Medicine, Surgery Resident

Albert Einstein College of Medicine, Vascular Fellowship