

# VASCULAR SURGERY ROTATION: EMANUEL HOSPITAL

## Revised 6/8/07

### I. Rotation Description, Guidelines, and Schedule

### II. Curriculum/Educational Goals & Objectives

- a. Educational Goals & Objectives
- b. Evaluation Tools
- c. Curriculum
- d. Readings

### I. Rotation Description for R-4 assigned to Vascular Surgery

**Attending Physicians:** Drs. Marcos Barnatan, Matthew Foley, Carber Huang, Alexander Nicoloff.

**Location:** Emanuel Hospital, Medical Office Building Suite 415

**Call:** To be determined by the group. There is no in-house call, only home call.

**Day off:** Tuesdays

**Vacation:** It is the responsibility of each resident to provide adequate notice of vacation to allow adjustment of the call schedule. Approval of vacations is left to Dr. Barnatan's discretion.

### Basic Description of responsibilities:

- Inpatients must be seen and notes written before OR, or clinic.
- Resident may coordinate rounds with our Physician Assistant
- Resident will round on weekends:
  - Saturday –before vascular conference
  - Sunday –per Attending on call
- Resident will report to OR for any vascular surgery cases.
- Resident must be in the OR from the time the patient arrives to the operating room
- H & P and PARQ must be completed in pre-op holding, prior to any morning conferences.
- Resident will assist with patient positioning, prepping, draping, surgery, post-op orders and op note.
- Resident responds to calls from patient floors, ICU and ED –and reports to attending physician (either the attending for that patient, or the on-call attending).
- Outside referrals or consults are routed directly to the on-site attending, or the on-call attending when after hours
- OR takes priority over clinic
- Clinic takes priority over angio procedures
- Clinic: resident will evaluate patient and present to the attending.
- Resident will dictate on office visit, and always send a cc: to the referring physician

## Mandatory Conferences

Monday AM \_\_\_\_\_ OHSU

Friday 7:00 AM \_\_\_\_\_ LEH M&M conference at Lorenzen Auditorium

Saturday 8:30 AM \_\_\_\_\_ OHSU Vascular Conference

3rd Thursday of each month \_\_\_\_\_ Vascular conference at LEH Cath Lab

## Clinic Schedule

Mon 8:30-12 Dr. Nicoloff –LEH

Tues: 8:30-12 Dr. Foley –LEH

Wed: 8:30-5p Dr. Barnatan LEH

Thu: 8:30-5p Dr. Nicoloff LEH

## CONTACTS

<u>Vascular Surgery</u>	<u>PHONE</u>
Marcos Barnatan	938-7465
Matthew Foley	938-7642
Carber Huang	938-1736
Alex Nicoloff	938-0443
Judah Gold-Markel	938-7996
Resident:	938-0682
Clinic main line	413-3580
Clinic back line	413-3771
Answering Service	232-5020

<u>Emanuel</u>	<u>413-2200</u>
Emergency Room	413-4121
Unit 55	413-2653
Unit 45	413-2643
ICU West	413-4565
ICU East	413-4119
TRACU	413-4800
MICU	
OR Desk	413-4199
OR Add-ons	413-1973
Angio Scheduling	413-1529
Pre-Admit	413-4144
Admitting	413-4177
Bed Control	413-8008
Day surgery	413-4519
Short Stay	413-2613
Next Day Surg.	413-1973

<u>Good Sam</u>	<u>413-7711</u>
Emergency Room	413-7260
OR Desk/Add-ons	413-7270
Vascular Lab/Angio	413-7132
4 Center	413-7370
Pre-Admissions	413-8036
Angio Scheduling	413-7138
Surgery Scheduling	413-7274
SPO(short stay)	413-6362

## II.

### **General Surgery Resident Goals and Objectives**

The following pages describe the goals and objectives for the General Surgery Residents who rotate through Vascular Surgery. The curriculum, goals and objectives, the methods of evaluation, and a list of critical references are included.

#### **A. GOALS & OBJECTIVES**

##### **GOALS:**

1. General Surgery Residents who rotate through the Vascular Surgery Service will be able to perform an accurate evaluation of the arterial, venous, and lymphatic circulatory systems.
2. Residents will be proficient in the medical and surgical management, sufficient to treat patients with uncomplicated, straightforward arterial, venous, and lymphatic disorders.

##### **OBJECTIVES:**

In order to achieve these goals, the Vascular Surgery Rotation has the following objectives:

##### **Medical Knowledge**

1. The resident will possess adequate knowledge of the anatomy, physiology, pathology, diagnosis and treatment methods of the arterial, venous, and lymphatic systems, to answer questions posed on rounds and in the OR.

##### **Patient Care**

1. The resident will demonstrate the ability to take a complete, accurate, and useful history and physical examination from patients with vascular diseases.
2. The resident will be able to articulate a complete and efficient plan for diagnosis of vascular disorders, based upon medical knowledge, history, and physical exam.
3. The resident will demonstrate the ability to order appropriately, interpret accurately, and efficiently use the information from noninvasive vascular testing (vascular lab, CT imaging, MR imaging), and invasive diagnostic techniques (angiography).
4. The resident will demonstrate the ability to appropriately prescribe and evaluate the results of non-operative treatment for arterial, venous, and lymphatic disorders.
5. The resident will demonstrate the ability to perform operative vascular procedures for the treatment of vascular disorders.
6. The resident will demonstrate the ability to manage peri-operative care for

patients with vascular disorders, including recognition and appropriate treatment of complications. This includes intensive care management, including the use of vasoactive medications, artificial ventilation, and invasive hemodynamic monitoring.

### **Interpersonal and Communication Skills**

1. The resident will demonstrate the ability to communicate effectively and professionally with patients, families, referring physicians, colleagues, nurses, and staff.

### **Systems-Based Practice**

1. The resident will demonstrate the ability to provide and request appropriate consultation from other medical specialists.

### **Practice-Based Learning**

1. The resident will demonstrate the ability to review the general medical literature, and integrate knowledge of new medical evidence into practice decisions, specific to vascular surgery.

## **B. EVALUATION TOOLS**

1. Evaluation of residents includes computerized evaluation forms, faculty discussion of resident evaluations/progress, and verbal/written feedback for the residents.
2. After every rotation, each faculty member receives an electronic evaluation form for each resident, via the VERINFORM system. This evaluation covers all of the objectives listed in Objectives Section.

## **C. CORE SUBJECT MATERIAL (curriculum)**

- a. Topics in Thrombosis
  1. Anti-platelet agents
  2. Anticoagulants
  3. Thrombolysis
- b. Atherosclerosis and its medical management
- c. The Vascular Laboratory
- d. Principles of Diagnostic and Interventional Angiography
- e. Cerebrovascular Disease
- f. Upper Extremity Ischemic
- g. Mesenteric Vascular Disease
  1. Acute mesenteric ischemia
  2. Chronic mesenteric ischemia
  3. Non-occlusive mesenteric ischemia
- h. Renovascular Disease
- i. Aneurysmal Disease
  1. Aortoiliac aneurysms
  2. Femoro-popliteal aneurysms
  3. Visceral and renal aneurysms
- j. Peripheral Vascular Disease

1. Claudication
  2. Rest pain
  3. Non-healing ulceration
  4. Gangrene
- k. Vascular Access
- l. Vascular Trauma
- m. Venous Thromboembolic Disease
1. Superficial phlebitis
  2. Deep venous thrombosis
    - i. DVT prophylaxis
    - ii. Calf and proximal DVT
    - iii. Pulmonary embolism
  3. Varicose veins
- n. Lower extremity amputations

#### **D. READINGS**

##### **Key Reference:**

Schwartz's Principles of Surgery, 8<sup>th</sup> Edition, pages 717-833.

**Emanuel Hospital  
Vascular Surgery  
General Surgery Resident Evaluation**

**Name:**  
**Rotation Start Date:**

**Clinical Year: 4**  
**Rotation End Date:**

Use the scale of 1-5 to rate the following procedures performed by the resident:

- 1 = **unsatisfactory**: no evidence of knowledge or ability to perform this objective
- 2 = **marginal** knowledge or ability to perform this objective
- 3 = The resident has demonstrated **satisfactory** ability to perform this objective
- 4 = The resident has demonstrated above average ability to perform this objective/needs minimal guidance
- 5 = The resident has demonstrated **exceptional** knowledge and ability at performing this objective/could likely perform this activity without guidance
- N = not applicable/unobserved

OBJECTIVES	RATING					
Demonstrated knowledge of anatomy, physiology, and pathology of the circulation	1	2	3	4	5	N
Complete, accurate, and useful history and physical examination	1	2	3	4	5	N
Ability to communicate the history and physical exam findings, and articulate a plan for evaluation and treatment	1	2	3	4	5	N
Ability to order appropriate vascular testing, accurately interpret test results, and integrate information into treatment plan	1	2	3	4	5	N
Ability to appropriately prescribe medical/non-operative therapy for disorders of the circulation	1	2	3	4	5	N
Ability to perform pre- and post-operative management of patients with vascular disorders	1	2	3	4	5	N
Ability to communicate effectively with patients, families, colleagues, nurses, and ancillary staff	1	2	3	4	5	N
Ability to provide consultation and request consultation from other medical specialists	1	2	3	4	5	N
Ability to critically review the medical literature, and integrate new medical evidence into practice decisions	1	2	3	4	5	N