

## **Goals and Objectives for Intern Year Sub-rotations**

### **1. Vascular Surgery**

- a. Understand the anatomy, physiology, and pathology of the circulatory system.
- b. Describe physical exam, diagnostic tools and tests that are used in the treatment of common peripheral vascular diseases.
- c. Understand the management of vascular conditions, both surgical and medical.
- d. The resident will become proficient in diagnosis, evaluation, and management of the complex surgical patient.
- e. Will become proficient in the pre-operative and post-operative surgical care.
- f. Resident will have exposure to the management of renal transplant patients, to include observation of the effects of immunosuppressive drugs.

### **2. Surgical Trauma Rotation**

- a. To assist in developing a thorough, systematic approach to the rapid recognition, evaluation, treatment, and disposition of the critically injured patient.
- b. To set forth and teach a defined body of knowledge and skills, which constitutes emergency medicine.
- c. Introduce the field of pre-hospital emergency care.
- d. Ultimately to improve the quality of emergency care.

### **3. Plastic Surgery Rotation**

- a. Basic Principles
  - i. Basic Wound Healing
  - ii. Flaps and Grafts
- b. Diagnosis and treatment of
  - i. Head and Neck
    1. Cancer
    2. Trauma
    3. Introduction to Cosmetic Surgery
  - ii. Trunk Plastic Surgical Procedures
  - iii. Extremities
    1. Flaps
    2. Hand Surgeries
  - iv. Breast Reconstruction/Reduction/Augmentation
- c. Microsurgery

### **4. Research**

- a. Demonstrate understanding of research ethics; comply with oversight bodies
  - i. Complete required human subjects research ethical training (CITI)
  - ii. Submit general and project-specific financial disclosures
  - iii. Submit application for ethical research compliance oversight
- b. Demonstrate scientific literacy in the areas of research design, data analysis and interpretation, and medical knowledge in the project content area

- i. Complete targeted reading on fundamentals of clinical research
  - ii. Present and discuss research papers relevant to project areas
  - iii. Complete annotated bibliography on project background/rationale
- c. Apply ethical, scientific, and medical knowledge to develop a research project
  - i. Develop a formal research prospectus including:
    - 1. Clinical significance of the proposed project
    - 2. Statement of hypothesis or hypotheses
    - 3. Scientific background and rationale for the proposed project
    - 4. Methods, sample size, and statistical analysis plans
  - ii. Develop additional documents required for ethical compliance
  - iii. Determine if external funding is needed to complete the project