

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