

Vascular Surgery

Year

R-1

Location

Miami Valley Hospital (MVH)

Duration

1 Month

Faculty

Philip C. Williams, MD

Jonathan E. Velasco, MD

Damian I. Lebamoff, MD

Description

The orthopaedic resident will develop expertise in the evaluation of the dysvascular patient. This will involve the inpatient care of patients on the vascular surgery service of Drs Williams, Velasco and Lebamoff. This is a busy inpatient service that emphasizes the acute care of ischemic limbs, revascularization and amputation surgery. Pre and postoperative care are emphasized. Daily rounds are made with the general surgery resident on the service and cases and consults are assigned by the general surgery resident on the service. Call is on the general surgery service and is made in advance by the general surgery department. Call is at MVH and is in house. All duty hour rules are to be followed.

Educational Objectives

1. The resident will become proficient in diagnosis, evaluation and management of the complex surgical patient.
2. The resident will become proficient in comprehensive acute and chronic vascular examination and interpretation of results.
3. The resident will become proficient in preoperative and postoperative surgical care.
4. The resident will have exposure to the management of renal transplant patients, to include observation of the effects of immunosuppressive drugs.

Competencies

Patient Care

Residents must be able to provide care that is compassionate, appropriate and effective for the treatment of health problems and the promotion of health. Residents are expected to:

- Communicate effectively and demonstrate caring and respectful behaviors when interacting with patients and their families.
- Gather essential and accurate information about the patient.
- Make informed decisions about diagnostic and therapeutic interventions based on patient information and preferences, up-to-date scientific evidence, and clinical judgment.
- Develop and carry out patient management plans, counsel and educate patients and their families.
- Use information technology to support patient care decisions and patient education.
- Provide healthcare services aimed at preventing health problems or maintaining health work with healthcare professionals, including those from other disciplines, to provide patient-focused care.
- Residents will attend daily rounds with senior surgical resident and attending staff.

- Residents will attend surgeries as assigned by senior surgical resident and attending staff and will participate in preoperative and postoperative care of all operative patients.
- Residents will participate in night call duties as assigned by surgical chief. Duty hour rules are to be followed.

Medical Knowledge

Residents must demonstrate knowledge about established and evolving biomedical, clinical, and cognate sciences (e.g. epidemiological) and the application of this knowledge to patient care.

Residents are expected to:

- Demonstrate an investigatory and analytical thinking approach to clinical situations.
- Know and apply the basic and clinically-supportive sciences which are appropriate to general orthopaedic surgery.
- Residents will attend scheduled general surgery conferences.
- Residents will become knowledgeable in the interpretation of vascular studies as they pertain to surgical evaluation of a limb.

Interpersonal and Communication Skills

Residents will at all times demonstrate behavior that is beyond reproach. Residents must be able to demonstrate interpersonal and communication skills that result in effective information exchange and teaming with patients, patients' families and professional associates. Residents are expected to:

- Demonstrate honest, open, civil, and effective communication with patients, staff, and colleagues (medical students, residents, and attendings).
- Create and sustain a therapeutic and ethically sound relationship with patients.
- Use effective listening skills.
- Elicit and provide information using effective nonverbal, explanatory, questioning and *legible writing skills*.
- Work effectively with others as a member or leader of a healthcare team or other professional group.

Professionalism

Residents must demonstrate a commitment to carrying out professional responsibilities, adherence to ethical principles, and sensitivity to a diverse patient population. Residents are expected to:

- Demonstrate respect, compassion and integrity.
- Be responsive to the needs of patients, society and the profession.
- Be accountable to patients, society and the profession.
- Demonstrate a commitment to ethical principles pertaining to:
 - Provision or withholding of clinical care.
 - Confidentiality of patient information.
 - Informed consent.
 - Business practices.
- Demonstrate sensitivity and responsiveness to patient's culture, age, gender and disabilities.

Practice-Based Learning and Improvement

Residents must be able to investigate and evaluate their patient care practices, appraise and assimilate scientific evidence, and improve their patient care practices. Residents are expected to:

- Analyze practice experience and perform practice-based improvement activities using a systematic methodology.
- Locate, appraise, and assimilate evidence from scientific studies related to their patient's health problems.
- Apply knowledge of study designs and statistical methods to the appraisal of clinical studies and other information on diagnostic and therapeutic effectiveness.
- Use information technology to manage information, access online medical information, and support their education.
- Facilitate the learning of students and other healthcare professionals.

System-Based Practice

Residents must demonstrate an awareness of and responsiveness to the larger context and system of healthcare and the ability to effectively call on system resources to provide care that is of optimal value. Residents are expected to:

- Understand how their patient care and other professional practices affect other healthcare professionals, the healthcare organization, and the larger society and how these elements of the system affect their own practice.
- Know how types of medical practice and delivery systems differ from one another, including methods of controlling healthcare costs and allocating resources.
- Practice cost-effective healthcare and resource allocation that does not compromise quality of care.
- Advocate for quality patient care and assist patients in dealing with system complexities.
- Know how to partner with healthcare managers and healthcare providers to assess, coordinate and improve healthcare and know how these activities can affect system performance.

General Schedule

As dictated by the chief general surgery resident on the service.

Evaluation

- Review goals and objectives with attendings at beginning of rotations.
- Mid-rotation review.
- End of rotation written evaluation turned into Peggy Baldwin (both attending and resident).