

Foot & Ankle

Year

R-3

Location

Miami Valley Hospital (MVH)

Duration

3 Months

Faculty

Richard T. Laughlin, MD

Michael D. Barnett, Jr., MD

Description

The resident will rotate with Dr. Laughlin and Dr. Barnett in their offices at MVH, at the Foot/Ankle Wound Clinic at MVH and their surgeries at MVH and the Far Hills Surgery Center. Night call will be at MVH and is in-house. All duty hour rules are to be followed.

This rotation encompasses the full spectrum of disorders involving the foot and ankle, lower extremities, amputation and wound care. The resident will experience initial evaluation, examination and diagnostic studies to develop diagnosis and treatment plans (both operative and nonoperative).

Educational Objectives

1. Work up and present a patient with a foot/ankle problem specifying the working diagnosis, additional studies to confirm or change the diagnosis, the treatment alternatives and expected outcome. This includes demonstrating the ability to take a detailed history and perform an accurate foot and ankle exam.
2. Recognize and take into account the lower extremity angular and rotational alignment, foot type, footwear, relevant biomechanics, and lifestyle.
3. Prescribe appropriate orthotics/prosthetics and shoe wear modifications.
4. Describe the nature history of the patient's problem if untreated, treated nonoperatively and treated operatively.
5. Correctly assist and apply dressings, splints, and casts for protecting injuries and postoperative conditions.
6. Perform local anesthesia to include: ankle, metatarsal and digital blocks; field local infiltration; joint injection for pain localization.
7. Demonstrate pre-op readiness by specifying the following for each case:
 - Surgical indications and goals
 - Incision, approach relevant anatomy and step-by-step procedure
 - Three-dimensional considerations
 - Expected difficulties and potential pitfalls
 - Contingency plans
 - Criteria of acceptable results
8. Perform and assist surgical procedures for common foot and ankle problems: hammertoe, bunions, tendon transfers, ankle subtalar and single joint fusions, excision of OCD's, osteotomies, ankle ligament reconstruction, removal of hardware.
9. List the equipment needed for all the basic procedures and demonstrate the ability to correctly review the completeness of this equipment before starting a procedure.

10. Demonstrate attention to detail in follow-up for postoperative patients.
11. Recognize the postop foot/ankle in trouble.
12. Demonstrate the ability to recognize and initiate treatment of complications.
13. Critique foot and ankle literature at the Department Journal Clubs.

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.
- Perform competently all invasive procedures considered essential in foot and ankle practice.
- 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.

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 foot and ankle surgery.

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 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.
- Respond to the needs of patients and society that supersedes self-interest.
- Be accountable to patients, society, and the profession.
- Demonstrate a commitment to excellence and on-going professional development.
- 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

Monday

- 7:00 a.m. Conference, MVH 2200 Conference Room
- 8:00 a.m. Foot and Ankle Clinic (Specialty Clinics 1st Floor MVH)
- 11:00 a.m. Review Cases for week (H&P should be done, X-rays reviewed as needed)
- 12:00 Noon Patient Office, MVH 2200 Conference Room

Tuesday

- 7:00 a.m. Conference, MVH 2200 Conference Room
- 8:00 a.m. Foot Conference with Drs. Laughlin & Barnett, MVH 2200
- 11:00 a.m. OR

Wednesday

- 6:50 a.m. Grand Rounds, MVH CHE 1813
- 8:15 a.m. Patient Office

Thursday

- 7:00 a.m. Conference, MVH 2200 Conference Room
- 8:00 a.m. OR

Friday

- 6:30 a.m. Children's Conference, Children's Medical Center
- To Follow Educational activity as needed/Add-on Cases

Reference List

- Foot and Ankle International Journal
- Surgery of Foot and Ankle (Caughlin, Mann, Saltzman)
- OKU Foot and Ankle (*Must read completely by end of rotation.*)
- Functional Reconstruction of Foot and Ankle (Hansen) (Required reading Chapters 1-3)
- Reconstructive Foot and Ankle Surgery (Myerson)
- Advanced Reconstructive Foot and Ankle (Nunley, Pfeiffer, Saunders, Trepman)
- Master Techniques in Foot and Ankle Surgery (Kitaoka)

Evaluation

- Review Goals and Objectives with attendings at beginning of rotations.
- Mid-rotation review.
- End of rotation written evaluation turned in to Peggy Baldwin (both attending and resident).
- Duty hours and OP logs must be up-to-date at end of rotation.