

***Goals and Objectives for the Orthopaedic Surgery Resident
McGill Foot & Ankle (JGH)***

The following list of objectives is intended to provide a basis for your learning opportunity on foot and ankle. This document is intended to augment but not replace the “Objectives of Training and Specialty Training Requirements in Orthopaedic Surgery” and the “Specific Standards of Accreditation for Residency Program in Orthopaedic Surgery”. A copy of this document is supplied in your residency handbook and is also available on the Royal College website.

1. Medical Expert

Cognitive and Diagnostic

Junior Resident

- a. Understand normal musculoskeletal anatomy of the foot and ankle
- b. Understand gait assessment
- c. Understand common pathologic conditions of the foot and ankle
- d. Recognize and manage common fractures of the foot and ankle
- e. Recognize and manage common sports injuries of the foot and ankle
- f. Demonstrate knowledge of the common surgical approaches in foot and ankle

Senior Resident

- a. Understand and manage complex disorders of the foot and ankle including congenital and acquired conditions
- b. Recognize and manage complex diabetic foot pathology including ulcerations and Charcot fracture-dislocations
- c. Understand complex fractures of the foot and ankle including Pilon fractures, Lisfranc fracture-dislocations, and calcaneal fractures
- d. Understand and manage foot compartment syndrome

Technical

Junior Resident

- a. Assess and manage simple fractures/dislocations of the ankle in the Emergency room including sedation techniques and casting
- b. Demonstrate an ability to perform open reduction and internal fixation on simple ankle fractures and metatarsal fractures
- c. Perform a detailed vascular and neurological examination of the foot

Senior Resident

- a. Assess and manage complex foot and ankle fractures including application of a bridging external fixator for Pilon fractures, closed reductions of Lisfranc fractures and later open reduction and internal fixation of Lisfranc fracture dislocations
- b. Assess and manage open fractures of the foot and ankle
- c. Assess and manage plantar foot abscess
- d. Assess and manage complex foot conditions including rheumatoid forefoot, acquired pes planus, and pes cavus deformities
- e. Orders appropriate investigations for foot pathologies

2. Communicator

Junior/Senior Resident

- a. Understands the importance of communication in the cooperation and compliance of the patients and their families
- b. Is able to obtain an informed consent for patients undergoing surgery
- c. Demonstrates the ability to explain procedures to patients in a clear and concise manner
- d. Is able to illicit information regarding patients' social supports and occupation to aid the patient after discharge

3. Collaborator

Junior/ Senior Resident

- a. Develop patient care plans with other members of the health care team including nurses, physiotherapists, occupation therapists and social workers
- b. Demonstrate the ability to work within and as seniors, lead, a team of orthopaedic residents and medical students
- c. Develop discharge plans for each patient and involve appropriate team members to accomplish smooth discharge

4. Manager

Junior Resident

- a. Assess and allocate medical care within the hospital setting
- b. Understand the costs of health care on society and function effectively and efficiently to control costs

Senior Resident

- a. Lead a health care team and allocate manpower resources for patient care
- b. Understand a physician role in hospital administration
- c. Be able to manage time efficiently to balance duties and learning
- d. Produce a call schedule that is fair and equitable

- e. Designate the junior residents and the medical students daily assignments to either the clinic, operating room or emergency consults

5. Health Care Advocate

Junior / Senior Resident

- a. Recognize and understand the psychological, social and physical determinants of patient health especially the cost of diabetic foot pathology
- b. Become proactive in educating the patient population to the long term risks of diabetic foot pathology
- c. Understand the societal and individual patient cost of major amputation in the diabetic population.
- d. Demonstrate a knowledge of resources available to the patient in need of community based care
- e. Demonstrate how to promote health and prevent injury in the community at large

6. Scholar

Junior Resident

- a. Demonstrates ability for self directed learning and learns to appraise the foot and ankle literature
- b. Demonstrates ability to teach the medical students on the rotation
- c. Recognizes knowledge insufficiencies and technical weaknesses and works to improve them

Senior Resident

- a. Demonstrates ability to teach the junior residents and medical students in a structured and supportive manner
- b. Identifies areas for potential foot and ankle research
- c. Conduct a literature search on a foot and ankle topic and present the findings at foot and ankle teaching rounds
- d. Prepare and present current topics to the teaching rounds

7. Professional

Junior Resident

- a. Demonstrates an ability to work professionally in a team
- b. Completes consults in a timely fashion
- c. Seeks advice when dealing with rare conditions or pathologies outside scope of knowledge

Senior Resident

- a. Provides efficient and definitive advice on the consult service
- b. Recognizes when to seek advice when confronted with unfamiliar conditions
- c. Demonstrates compassion and empathy when dealing with the patients and their families
- d. Recognize and learn how to deal with difficult patients, families and colleagues

Revised – December 2018