



**MCMASTER UNIVERSITY:
CCFP(EM) RESIDENCY TRAINING PROGRAM**

Objectives: Orthopaedic Surgery Rotation

1. Medical Expert

- a. Demonstrate diagnostic and therapeutic skills for ethical and effective patient care.
- b. Access and apply relevant information to clinical practice.
- c. Demonstrate effective consultation services with respect to patient care, education and legal opinions.
- d. The Emergency Medicine Resident will demonstrate knowledge regarding:
 - i. Principles of anatomy/ physiology of the musculoskeletal system
 - ii. Mechanisms of injury in trauma to specific anatomical areas
 - iii. Principles of healing in bone, tendon, muscle, and ligament us injuries
 - iv. Pathogenesis/pathophysiology of infectious/inflammatory disorders of the musculoskeletal system
 - v. Presentation of syndromes of the axial, visceral, and appendicular skeleton
 - vi. Presentation of syndromes of muscle disorders
 - vii. Principles of pharmacological agents in musculoskeletal/rheumatologic disorders
 - viii. Classification of fractures/dislocation
 - ix. Manifestations of trauma in paediatrics
 - x. Manifestation of musculoskeletal syndromes in paediatrics
 - xi. Manifestation of injuries in the athlete
 - xii. Early/late sequelae of injuries to the musculoskeletal system
 - xiii. Principles of emergency department management of fractures and dislocations
 - xiv. Complications of immobilization
- e. The Emergency Medicine Resident will:

- i. Perform a clinical assessment and collect all appropriate information
- ii. Evaluate specific symptoms and signs that occur in:
 1. Disease states
 2. Injury to the musculoskeletal system
- iii. Select the most appropriate imaging and laboratory investigations for the identification of:
 1. MSK injuries
 2. Occult fractures
 3. Compound fractures
 4. Pathological fractures
- iv. Assess the risk of associated injuries in patients with multiple trauma or trauma to defined anatomical areas
- v. Set the priorities and direct the initial management of the multiply traumatized patient
- vi. Demonstrate the following techniques:
 1. Stabilization of fractures and dislocations pending investigations
 2. Reduction of simple fractures and dislocations
 3. Immobilization of axial and appendicular fractures
 4. Joint aspiration

2. Communicator

- a. Communicate effectively and compassionately with the patient and family
- b. Establish therapeutic relationships with patients/families.
- c. Obtain and synthesize relevant history from patients/families/communities.
- d. Listen effectively.
- e. Discuss appropriate information with patients/families and the health care team.

3. Collaborator

- a. Understand the importance of a multidisciplinary team and interact effectively with physicians, nurses, and other health professionals
- b. Consult effectively with other physicians and health care professionals.

c. Contribute effectively to other interdisciplinary team activities.

4. Manager

a. Allocate finite health care resources wisely.

b. Understand the basic principles of quality assurance/risk management issues

c. Utilize information technology to optimize patient care, life-long learning and other activities

d. Utilize resources effectively to balance patient care, learning needs, and outside activities.

e. Work effectively and efficiently in a health care organization.

5. Health advocate

a. Contribute effectively to improved health of patients and communities.

b. Develop an understanding of the bioethical issues affecting patients.

c. Identify the important determinants of health affecting patients.

d. Recognize and respond to those issues where advocacy is appropriate.

e. Understand various approaches to health care advocacy and policy change

6. Scholar

a. Apply best practice to patient care decisions, based on critical appraisal of relevant literature.

b. Contribute to development of new knowledge.

c. Demonstrate the skills of self-assessment and self-directed learning by identifying their own areas of improvement and addressing them with resources available.

d. Develop, implement and monitor a personal continuing education strategy.

e. Facilitate learning of patients, medical trainees/students and other health professionals.

7. Professional

a. Deliver highest quality care with integrity, honesty and compassion.

b. Demonstrate the maturity and responsibility expected of all professionals

c. Exhibit appropriate personal and interpersonal professional behaviours.

d. Practice medicine ethically consistent with obligations of a physician.

For questions or comments, please contact:

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