

MCMASTER UNIVERSITY  
CCFP(EM) RESIDENCY TRAINING PROGRAM

**OBJECTIVES: PLASTIC 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 emergency care of trauma to
    1. Hand and wrist
    2. Face
    3. Skin/soft tissue compartments
  - ii. Principles of the mechanism of injury
  - iii. Anatomy and pathophysiology of soft tissue and facial injury
  - iv. Indications and limitations of investigative modalities
  - v. Indications, techniques, and complications of procedures
- e. The Emergency Medicine Resident will demonstrate the following techniques:
  - i. Amputations
  - ii. Biopsy
  - iii. Burn debridement and escharotomy
  - iv. Crush/compartment syndrome decompression
  - v. Facial wounds
  - vi. Injection injury debridement
  - vii. Nail bed repair/fingertip injuries
  - viii. Nerve assessment and exploration
  - ix. Removal of skin lesions
  - x. Skin loss/grafting
  - xi. Suturing techniques
  - xii. Tendon assessment and exploration
  - xiii. Vessel assessment and exploration
  - xiv. Wound anaesthesia/nerve blocks
  - xv. Incision and drainage
  - xvi. Hand splinting
- f. Perform a clinical assessment and collect all appropriate information of trauma to the soft tissue, face, hand and wrist

- g. Assess, initiate management of, and arrange follow up for:
  - i. Superficial infections
  - ii. Foreign bodies
  - iii. Penetrating injuries
  - iv. Wound problems including haematoma, dehiscence, infection
  - v. Burns, thermal and chemical
    - 1. Airway
    - 2. Fluids
    - 3. Dressings
- h. Assess the risk of associated injuries in patients with multiple trauma and/or burns

## **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 health care team.

## **3. Collaborator**

- a. Set the priorities and direct the initial management of the patient with trauma to the face, hand and wrist, and skin/soft tissue compartments
- b. Understand the importance of a multidisciplinary team and interact effectively with physicians, nurses, and other health professionals
- c. Consult effectively with other physicians and health care professionals.
- d. Contribute effectively to other interdisciplinary team activities.

## **4. Manager**

- a. Select the appropriate imaging and laboratory investigations
- b. Allocate finite health care resources wisely.
- c. Understand the basic principles of quality assurance/risk management issues
- d. Utilize information technology to optimize patient care, life-long learning and other activities
- e. Utilize resources effectively to balance patient care, learning needs, and outside activities.
- f. Work effectively and efficiently in a health care organization.

## 5. Health Advocate

- a. Identify the important determinants of health affecting patients.
- b. Contribute effectively to improved health of patients and communities.
- c. Understand various approaches to health care advocacy and policy change
- d. Recognize and respond to those issues where advocacy is appropriate.

## 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 within the community

## 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:

Erich Hanel, MB, MSc, CCFP(EM), ABFM  
Program Director  
Email: [erich.hanel@mcmaster.ca](mailto:erich.hanel@mcmaster.ca)

Melissa Hymers  
Program Coordinator  
Email: [hymers@mcmaster.ca](mailto:hymers@mcmaster.ca)

CCFP – Emergency Medicine Residency Training Program  
Division of Emergency Medicine  
Department of Family Medicine  
Hamilton General Hospital  
McMaster Wing, Room 250  
237 Barton St East  
Hamilton, ON Canada L8L 2X2  
905-521-2100 x73547  
Fax: 905-577-8247