



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

### **Objectives: Trauma 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. The principles of emergency care
  - ii. The principles of trauma resuscitation, stabilization and disposition
  - iii. The presentation and pathophysiology of general surgical disorder of body system in the adult, paediatric and geriatric population, and the natural history of disease/illness/injury
  - iv. The principles of anatomy and physiology specifically relating to general surgical disorders
  - v. The indications and limitations of investigative modalities
    1. CT scan
    2. Peritoneal lavage
    3. Ultrasound
    4. IVP
    5. ICP monitor
    6. Urethrogram
    7. Endoscopy
    8. Arteriogram
    9. Bronchoscopy

## 10. Cystogram

- vi. The indications and limitations, mechanism of action, interactions, and complications of pharmacologic agents
  - vii. The indications, techniques and complications of manipulative procedural skills.
- e. The Emergency Medicine Resident will:
- i. Perform a clinical assessment and collect all appropriate information
  - ii. Assess and develop the appropriate differential diagnoses of specific clinical presentations (GI bleed, pancreatitis) in the adult, paediatric, and geriatric patient
  - iii. Assess and develop the appropriate differential diagnosis of generalized clinical presentations (weight loss, abdominal pain) in the adult, paediatric, geriatric patient
  - iv. Perform the required manipulative/procedural skills in the management of the acutely ill patient
  - v. Identify the need for consultation, admission, transfer of patients presenting to the emergency department
  - vi. Set the priorities and initiate the resuscitation, stabilization, investigation, and disposition of the traumatized and critically ill patient
  - vii. Initiate management of acute surgical conditions in the adult, paediatric, and geriatric patient
  - viii. Demonstrate the following techniques relevant to the trauma patient:
    - 1. Airway management
    - 2. Arterial access
    - 3. Central venous access
    - 4. Cystogram
    - 5. Emergent intracranial pressure decompression
    - 6. Needle thoracentesis
    - 7. Pericardiocentesis
    - 8. Peritoneal lavage
    - 9. Splinting of axial and appendicular skeleton
    - 10. Thoracotomy

11. Tube thoracostomy

12. Urethrogram/IVP

2. Communicator

- a. Communicate effectively and compassionately with the patient and family
- b. Ability to communicate difficult or “bad news”
- c. Establish therapeutic relationships with patients/families.
- d. Obtain and synthesize relevant history from patients/families/communities.
- e. Listen effectively.
- f. 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. Identify bioethical and medical-legal aspects of patient care.
- 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.

## 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:

Greg Rutledge, MD CCFP(EM)  
Program Director  
Email: rutledge\_greg@hotmail.com

Maria Campagnolo  
Program Co-ordinator  
Email: campag@mcmaster.ca

CCFP-Emergency Medicine Residency Training Program  
Division of Emergency Medicine,  
Department of Family Medicine  
Hamilton General Hospital  
McMaster Clinic, room 260  
237 Barton Street East  
Hamilton, ON Canada L8L 2X2  
905-521-2100 x73547  
Fax: 905-577-8247

Revised August 2014: GR/MC