

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 thoracotomy
 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 and the health care team

3. Collaborator

- a. Understand the importance of 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 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:

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