

MCMASTER UNIVERSITY
CCFP(EM) RESIDENCY TRAINING PROGRAM

OBJECTIVES: ICU / CCU / PICU 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. Resuscitation
 - ii. Cardiovascular disease
 - iii. Invasive monitoring
 - iv. Fluid resuscitation
 - v. Management of a cardiac arrest team
 - vi. Multi-system disease and failure
 - vii. Mechanical ventilation in the critically ill
 - viii. Disease processes necessitating admission to a critical care unit (trauma, toxicology, environmental, etc.)
 - ix. The pharmacology of resuscitation and critical care
- e. The Emergency Medicine Resident will:
 - i. Perform a clinical assessment and collect all appropriate information
 - ii. Document progress of a patient's clinical presentations
 - iii. Ascertain the need for admission/transfer to critical care units
 - iv. Coordinate members of the health care team in the emergency and critical care units in developing priorities of investigation and management
 - v. Develop discharge plans for critical care patients
 - vi. Choose the laboratory and radiological investigations appropriate to the immediate need of the critically ill/injured patient
 - vii. Interpret data collected from laboratory and radiological investigations
 - viii. Interpret data from non-invasive and invasive monitoring
 - ix. Initiate the resuscitation, stabilization, and investigation of the seriously ill
- f. Demonstrate the following techniques:
 - i. ECG Interpretation
 - ii. Defibrillation/cardioversion
 - iii. Central venous access
 - iv. Swann-Ganz insertion
 - v. Arterial access
 - vi. Arterial monitoring

- vii. Pericardiocentesis
- viii. Pacemaker insertion

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. 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 in Medical-legal aspects of patient care
- c. Utilize information technology to optimize patient care, life-long learning and other activities
- d. Utilize resources effectively to balance 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. Demonstrate 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 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
- e. Demonstrate understanding of the following:
 - i. "End of life" care and how it is applied in the critical care setting
 - ii. The role of substitute decision maker and how this is applied to the care of the incapacitated patient
 - iii. How consent and decision in the PICU for pediatric patients is different in the critically ill child

For questions or comments, please contact:

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