

INTENSIVE CARE UNIT

(off-service rotation)

ROTATION SPECIFIC GOALS AND OBJECTIVES

1. Medical Expert

1. To understand the role of both aggressive and comfort-oriented care.
2. To be able to recognize, diagnose, and understand the causes and mechanisms of respiratory failure.
3. To be able to initiate a plan for the investigation and management of acute respiratory failure.
4. To understand the mechanisms, and to be able to differentiate the various types of shock.
5. To assess and provide acute management of the hypotensive patient.
6. To understand the effects and clinical indications for vasopressor/inotropic therapy.
7. To institute management and supportive care for patients with sepsis and septic shock.
8. To assess and provide immediate support for the patient with suspected intoxication
9. To understand the principles of management of specific toxic ingestions, including supportive measures, means of altering absorption, increasing elimination, and antidotes.
10. To assess and institute immediate care for the patient with altered level of consciousness .
11. To diagnose and understand the implications of brain death.
12. To be able to assess and provide an approach to the patient with multi-organ disease
13. To recognize the causes and complications of acute renal, hepatic, and haematological dysfunction, and to be able to provide immediate support.
14. To investigate and manage acute metabolic, electrolyte, and endocrine disorders.
15. To provide immediate support for the patient with GI haemorrhage.
16. To understand the unique requirements and complications of the multiply injured trauma patient.
17. Technical Skills Related to Critical Care Medicine:
 - To have an understanding of the indications, techniques, and complications of oxygen therapy (nasal prongs, masks, nebulizers)
 - To have an understanding of airway management - suction, oropharyngeal airways, endotracheal intubation and non-invasive ventilation
 - To have an understanding of mechanical ventilation: modes, lung protective strategies, weaning and unconventional approaches
 - To have an understanding of monitoring: ECG, pulse oximetry, invasive and non-invasive blood pressure
 - To have an understanding of invasive hemodynamic monitoring: PA catheter insertion and interpretation of hemodynamic data

- To have an understanding of venous access - chest tube thoracostomy/pericardiocentesis, NG tube insertion/ Blakemore tubes/ bronchoscopy/ dialysis

2. Communicator

1. To demonstrate effective tools for gathering historical information from patients and their families in the critical care setting.
2. To be able to compassionately deliver bad news to patients.
3. To be able to have discussions with patient's surrogate decision makers about the patient's ongoing care.
4. To be able to communicate effectively with a multi-disciplinary team.

3. Collaborator

1. To understand the valuable role of allied healthcare professionals and consultants in the management of the critically ill patient.

4. Leader

1. To develop time management skills to reflect and balance priorities for patient care, sustainable work practice, and personal life.
2. To appreciate the difficult task of balancing the provision of critical care and being fiscally responsible.
3. To appreciate the importance of attempting to keep ICU beds open to ensure flow of patients through the various services in the hospital (i.e. ward, ER, OR).

5. Health Advocate

1. To identify opportunities for patient counselling and education regarding their medical conditions.
2. To understand future pressures on critical care resources.
3. To be aware of the uniquely stressful environment of the ICU, and its effect on patients, families, and medical staff.

6. Scholar

1. To be able to critically appraise the literature regarding issues in critical care medicine.

7. Professional

1. To demonstrate professional attitudes in interactions with patients, their families and other healthcare professionals.

Reviewed and approved by RPC
January 24, 2023