INTENSIVE CARE UNIT (ICU)
Rotation Objectives

Revised September 2014
1.1 Demonstrate appropriate level knowledge for the assessment and management of:
   a) the pathophysiology and of systemic inflammatory response syndrome, sepsis and septic shock
   b) the principles of fluid resuscitation and the management of acute metabolic, electrolyte and endocrine disorders
   d) the risk factors, and the pathophysiology of acute respiratory distress syndrome and acute respiratory failure
   e) the effects and clinical indications for vasopressor/inotropic therapy
   f) the complications and management of acute renal failure, hepatic and hematologic dysfunction
   f) extensive knowledge of the pathophysiology of obstetrical and gynecological situations requiring ICU care including Pre-eclampsia and Eclampsia, Amniotic Fluid Embolus, massive postpartum or intraoperative hemorrhage, significant VTE
   g) Assessment and management of patients with altered level of consciousness and suspected intoxication
   h) Diagnose brain death and understand the implications

1.2 Demonstrate appropriate level knowledge/technique in the following procedures:
   a) Oxygen Therapy: indications, techniques, and complications of oxygen therapy
   b) Airway management - suction, oropharyngeal airways, endotracheal intubation and non-invasive ventilation
   c) Mechanical ventilation: modes, lung protective strategies, weaning and unconventional approaches
   d) Monitoring: ECG, pulse oximetry, invasive and non-invasive blood pressure
   e) Invasive hemodynamic monitoring: PA catheter insertion and interpretation of hemodynamic data
   f) Venous access
   g) Chest tube insertion
   h) Nasogastric tube insertion/Blakemore tubes
2 COMMUNICATOR

2.1 Physician/Patient Relationship:
   a) Establish therapeutic relationship with patients/families within the confines of the ICU environment

   b) Demonstrate effective tools for gathering patient histories, including the incorporation of collateral information from families and surrogate decision makers

   c) Demonstrate ability to discuss patients’ ongoing care with patients’ surrogate decision maker

   d) Complete health records in an accurate and timely manner

2.2 Verbal / Written Communication Skills:
   a) Demonstrate appropriate communication and listening skills when interacting with all members of the multidisciplinary healthcare team and administrative staff

   b) Learn how to convey bad news with empathy to patients and families

3 COLLABORATOR

3.1 Team Relations:
   a) Cooperate and work effectively with colleagues and other professionals on the service

   b) Demonstrate an understanding of the role of various allied healthcare professionals and consultants in the management of the critically ill patient

   c) Participate actively as a team member.

4 MANAGER

4.1 Time Management:
   a) Prioritize patient-care in an effective and efficient manner.

4.2 Resources and Allocation:
   a) Utilize resources effectively and with fiscal responsibility to balance patient care, learning needs, and work-life activities

   b) Assist in ensuring adequate patient flow through critical care resources
5 HEALTH ADVOCATE

5.1 Determinants of Health/Health Advocacy:
   a) Recognize situations requiring both aggressive and comfort-oriented care
   b) Identify opportunities for patient counselling and education regarding their medical conditions.
   c) Recognize and respond to those issues where advocacy is appropriate.

6 SCHOLAR

   a) Acquire basic knowledge for critical care medicine
   b) Utilize evidence based medicine for diagnosis and treatment in a critical care setting
   c) Teach junior learners and patients/families, as appropriate.

7 PROFESSIONAL

7.1 Responsibility:
   a) Be available to the administrative staff and healthcare team and participate in the management of patients in the ICU in conjunction with the staff, fellows, and nurses
   b) Demonstrate professional attitudes in interactions with patients and other healthcare personnel

7.2 Self-Assessment Skills/Insight:
   a) Communicate with attending staff and request assistance in patient management when appropriate
   b) Consult ancillary services when required to enhance patient care

7.3 Ethics:
   a) Demonstrate an awareness of the medico-legal issues and ethical issues with respect to patient confidentiality
   b) Demonstrate familiarity with some of the common ethical issues that arise in the provision of patient care in the intensive care unit.
   c) Know how to avail of ethics consultation when appropriate