

Department of Obstetrics & Gynaecology, University of Toronto (Fax: 416-978-8350 | email: obgyn.educ@utoronto.ca)

Residency Rotation-Specific Objectives

Rotation: **PGY1 INTENSIVE CARE UNIT (ICU)**

Resident name:	Supervisor name:
Rotation dates:	Hospital:

IMPORTANT: Supervisor and resident must discuss these rotation-specific objectives during the rotation orientation, and sign below to confirm discussion has taken place.

Resident signature	Supervisor signature	Date

CanMEDS Focus Roles: Collaborator, Communicator.

1 MEDICAL EXPERT

1.1 Knowledge Objectives

- 1 Demonstrate knowledge of the:
 - a) pathophysiology of systemic inflammatory response syndrome, sepsis and septic shock
 - b) pathophysiology and mechanism of hypoxemic and hypercapnic respiratory failure
 - c) pathophysiology and mechanisms of various types of shock
 - d) risk factors and the pathophysiology of acute respiratory distress syndrome
 - e) effects and clinical indications for vasopressor/inotropic therapy.
 - f) differential diagnosis of decreased level of consciousness

1.2 Data Gathering Objectives:

- 1 Obtain a complete, systematic, and appropriate history from a patient/substitute
- 2 Conduct the physical assessment: able to detect important signs and know the significance
- 3 In the course of your assessment, recognize when a patient requires higher level care or procedures and ensure this occurs (e.g. non-invasive ventilation, intubation, lines, ICU transfer, etc.)

1.3 Clinical Reasoning, Management and Judgement/Diagnostic and Therapeutic Planning

Objectives:

- 1 Assess and initially manage a patient with:
 - a) Acute respiratory failure
 - b) Hypotension and shock
 - c) Multi-organ failure
 - d) Acute metabolic and electrolyte-disorders
 - e) Complications of acute renal, hepatic, and haematological dysfunction
 - f) Sepsis and septic shock
 - g) Altered level of consciousness
 - h) GI haemorrhage
- 2 Diagnose brain death and understand the implications.
- 3 Establish a differential diagnosis of etiological pathogens and choose appropriate empirical antibiotic therapy for life-threatening infectious syndromes.

1.4 Procedural skills Objectives:

1. Demonstrate competency in the following, appropriate for level of training AND/OR an understanding of indications for:
 - a) Oxygen Therapy: indications, techniques, and complications of oxygen therapy (nasal prongs, masks, nebulizers)
 - b) Airway management - suction, oropharyngeal airways, bag-mask ventilation, 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: interpretation of hemodynamic data generated from arterial and central venous monitors
 - f) Venous access
 - g) Chest tube thoracostomy/pericardiocentesis
 - h) Nasogastric tube insertion
 - i) Bronchoscopy
 - j) Dialysis

2 COMMUNICATOR

2.1 Physician/Patient Relationship Objectives:

- 1 Demonstrate awareness of the uniquely stressful environment of the ICU, and its effect on patients, families, and medical staff
- 2 Establish therapeutic relationship with patients/families.
- 3 Elicit the trust and cooperation of the patient and/or patients' families
- 4 Demonstrate effective tools for gathering a) historical information and b) collateral information from patients' families in the critical care setting
- 5 Demonstrate ability to discuss patient's ongoing care with patient's surrogate decision maker.
- 6 Complete health records in an accurate and timely manner.

2.2 Verbal / Written Communication Skills Objectives:

- 1 Demonstrate appropriate communication skills when interacting with all members of the multidisciplinary healthcare team and administrative staff.
- 2 Listen effectively, discuss appropriate information with patients/families and the healthcare team.
- 3 Observe communication of goals of care, end-of-life care, and disclosure of "bad news" with attending physician/senior fellow, and engage in a discussion post event identifying useful strategies to deal with these scenarios.
- 4 Identify common terms associated with documentation of critical care cases and chart appropriately.
- 5 Complete appropriate handover of clinical events in person to senior team members on a daily basis.

3 COLLABORATOR

3.1 Team Relations Objectives:

- 1 Cooperate and work effectively with colleagues and other professionals on the service
- 2 Demonstrate an understanding of the role of various allied healthcare professionals and consultants in the management of the critically ill patient
- 3 Participate actively as a team member.

4 MANAGER

4.1 Time Management Objectives:

- 1 Prioritize patient-care in an effective and efficient manner.

4.2 Resources and Allocation Objectives:

- 1 Utilize resources effectively to balance patient care, learning needs, and work-life activities.
- 2 Use resources appropriately in balancing the provision of critical care and being fiscally responsible.
- 3 Assist in ensuring adequate patient flow in the optimal utilization of critical care resources.

5 HEALTH ADVOCATE

5.1 Determinants of Health/Health Advocacy Objectives:

- 1 Recognize the situations requiring both aggressive and comfort-oriented care
- 2 Identify opportunities for patient counselling and education regarding their medical conditions.
- 3 Recognize and respond to those issues where advocacy is appropriate.

6 SCHOLAR

6.1 Self-Directed Learning Objectives:

- 1 Acquire basic knowledge for critical care medicine.

6.2 Critical Appraisal Skills Objectives:

- 1 Critically appraise the literature regarding the diagnosis and treatment in a critical care setting.
- 2 Learn basics of principles of evidence-based medicine for decision making.

6.3 Teaching Skills Objectives:

- 1 Teach medical students, and patients/families, as appropriate.

7 PROFESSIONAL

7.1 Responsibility Objectives:

- 1 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.
- 2 Demonstrate professional attitudes in interactions with patients and other healthcare personnel.

7.2 Self-Assessment Skills/Insight Objectives:

- 1 Communicate with attending staff and request assistance in patient management when appropriate.
- 2 Consult ancillary services when required to enhance patient care.

7.3 Ethics Objectives:

- 1 Demonstrate an awareness of the medico-legal issues and ethical issues with respect to patient confidentiality.
- 2 Demonstrate familiarity with some of the common ethical issues that arise in the provision of patient care in the intensive care unit.

Version Control

Date	Version No	Author	Location of Revisions	Approved at RPC Meeting
Oct 15 2012	V2.1	CSutherland	Major rewrite	RPC
Sep 08 2015	V2.3	S Dev, CSutherland	Changes in a blue font	Sep 08 2015
Aug 16 2017	V2.4	S Dev, E Skolnik, CSutherland	CanMEDS roles added; No other changes	Oct 02 2017