

INTENSIVE CARE ROTATION

Please note that these objectives supplement the RCPS objectives

General objectives: During the intensive care rotation the resident will acquire the knowledge required to manage shock and respiratory failure. They will learn the procedural skills of acute bronchoscopy, and line placement skills required for assessment and treatment of the acutely unwell patient, in particular those with acute respiratory emergencies.

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| MEDICAL EXPERT | 1 | Given a patient in shock or respiratory failure the resident will be able to intubate this patient. |
| | 2 | The resident will demonstrate the ability to assess and manage a patient with upper airway obstruction. |
| | 3 | The resident will demonstrate knowledge of the assessment and management of massive hemoptysis. |
| | 4 | The resident will discuss the indications and contraindications of invasive and non-invasive ventilation in acute respiratory failure. |
| | 5 | The resident will be able to manage the ventilator parameters of a broad range of patients requiring mechanical ventilation. This includes patients with restrictive and obstructive lung disease. The resident will be able to explain the pulmonary physiology principles that are used to set the ventilator parameters. |
| | 6 | Given an intubated patient that requires bronchoscopy the resident will perform this procedure. The resident will correctly obtain a BAL for the purpose of quantitative cultures. The resident will be able to list the indications, contraindications and complications of bronchoscopy in a ventilated patient. |
| | 7 | Given a patient on mechanical ventilation, the resident will assess the patient for suitability of withdrawal of mechanical ventilation (weaning). The resident will withdraw mechanical ventilation in a safe manner. |
| | 8 | Given a patient with shock the resident will list the indications and contraindications of Swan Ganz catheter insertion and will be able to insert a catheter. The resident will interpret the information acquired from the catheter. They will explain the effect of mechanical ventilation on the circulatory system and the pulmonary artery catheter data, by application of pulmonary and cardiac physiology. |
| COMMUNICATOR | 9 | The resident will effectively communicate information to families, other physicians and allied health care professionals. |
| | 10 | The resident will be able to discuss with families, the withdrawal of care in a clear, caring and compassionate manner. |
| COLLABORATOR | 11 | The resident will demonstrate the ability to both lead and to work as a member of a multidisciplinary team in the ICU setting. |
| PROFESSIONAL | 12 | The resident will incorporate the principles of bioethics and law in their management of the patients. |
| MANAGER | 13 | The resident will be aware of the quality improvement process used in the critical care unit. |