

## ICU Acting Internship Objectives

**Goals:** M4 students will immerse themselves in the Intensive Care Unit setting and actively participate in the care of critically ill patients with various diseases in order to prepare them for their ICU experience during intern year

**Objectives:** By the conclusion of the ICU Acting Internship, the M4 student will be able to accurately complete the following as determined by the supervising preceptor (resident, fellow, or attending):

- Explain indications for invasive and non-invasive positive pressure mechanical ventilation to the attending and senior resident
- Summarize basic ventilator settings and common modes for a variety of ICU patients to the attending and senior resident
- Identify and apply criteria for extubation
- Compare and contrast pathophysiology, causes, and management of different types of shock including septic, cardiogenic, and hemorrhagic shock
- Explain indications for invasive and non-invasive cardiovascular monitoring to the attending and senior resident
- Analyze data from bedside and invasive cardiovascular monitoring to assist in patient care decisions in patients with septic shock and cardiogenic shock for the attending and senior resident
- Recall common indications for individual vasopressor use, utilizing vasopressor physiology as a guide, including receptors of action, for the attending and senior resident
- Implement early goal directed therapy for the ICU patient with sepsis under the supervision of the attending and senior resident
- Apply evidence-based guidelines for common ICU-related infections (pneumonia, blood stream, intra-abdominal, urinary) under the supervision of the attending and senior resident
- Summarize indications for catheters and associated risks of infection to the attending and senior resident
- Demonstrate awareness of the indications for parental nutrition based on the nutritional needs of the ICU patient to the attending and senior resident
- Outline risks associated with parenteral versus enteral nutrition to the attending and senior resident
- Utilize guidelines for glucose management of ICU patients under the supervision of the attending and senior resident
- Identify patients that would benefit from gastrointestinal ulcer prophylaxis based on guidelines for the attending and senior resident
- Explain pathophysiology and common causes of acute kidney injury in the ICU patient to the attending and senior resident
- Identify indications for acute dialysis in the ICU setting to the attending and senior resident
- Recite indications for and assist and/or perform some the following procedures: central line insertion, arterial line insertion, lumbar puncture, thoracentesis, and paracentesis under the supervision of the resident, fellow, or attending