

Resident Levels of Care

Critical Care Medicine

Resident Levels: PGY IV, V, VI

Clinical Diagnosis	Clinical Non-Invasive Management	Clinical Invasive (Operative Management)
<ul style="list-style-type: none"> • The house officer performs and documents history and physical examination • Formulates differential diagnosis • Obtains and documents informed consent • Performs central venous and pulmonary artery catheterization • Orders appropriate consults • Understands the role of the critical care physician as a consultant to other physicians. • Performs arterial catheterization • Interprets hemodynamic parameters in critically ill patients • Performs diagnostic flexible fiberoptic bronchoscopy • Interprets chest and abdominal radiographs, and CT images of the brain, chest, and abdomen. • Interprets therapeutic drug levels for antibiotics and other drugs • Performs bedside sonography for focused echocardiography, TCD, vascular access and body 	<ul style="list-style-type: none"> • The house officer performs orotracheal and nasotracheal intubation • Performs basic and advanced cardiac life support • Manages mechanical ventilation in acute and chronic respiratory failure • Orders continuous renal replacement therapies • Performs electrical cardioversion • Performs transcutaneous cardiac pacing. • Orders continuous sedative and analgesics in the critically ill • Performs monitored conscious and deep sedation for invasive procedures • Performs intravenous anesthetic induction for intubation • Performs management of complex fluid and 	<ul style="list-style-type: none"> • The house officer performs emergency pericardiocentesis, thoracentesis • Pleural biopsy • Tube thoracostomy • Therapeutic bronchoscopy • Bronchoscopy with transbronchial biopsy • Inserts temporary transvenous pacemakers • Performs emergency cricothyrotomy • Performs upper gastrointestinal endoscopy, with feeding tube or PEG placement. • Performs percutaneous tracheostomy. • Performs extracorporeal life support. • Places thoracic, pericardial, and abdominal catheters. • Provides advanced airway management.

cavity drainage.

- Performs bedside spectral EEG analysis for sedation and neurological management.
- Performs jugular venous bulb catheterization.

electrolyte disorders

- Performs intravenous thrombolytic therapy
- Orders appropriate pharmacologic therapy for management of circulatory shock and related disorders
- Orders enteral and parenteral nutrition during critical illness.
- Understands drug dosing during continuous renal replacement therapies.
- Performs high-frequency ventilation.