

Critical Care Pulmonary Levels of Care

PROCEDURE/SKILL	LEVEL OF CARE	SUPERVISION	MILESTONES	MILESTONE LEVEL	COMPETENCY
Perform emergency pericardiocentesis, thoracentesis	PGY 4-5	Indirect	pc, mk, sbp, pbli, prof, ics	2	pc, mk, sbp, pbli, prof, ics
Perform pleural biopsy	PGY 4-5	Direct	pc, mk, sbp, pbli, prof, ics	2	pc, mk, sbp, pbli, prof, ics
Tube thoracostomy	PGY 4-5	Indirect	pc, mk, sbp, pbli, prof, ics	2	pc, mk, sbp, pbli, prof, ics
Therapeutic bronchoscopy	PGY 4-5	Direct	pc, mk, sbp, pbli, prof, ics	2	pc, mk, sbp, pbli, prof, ics
Bronchoscopy with transbronchial biopsy	PGY 4-5	Direct	pc, mk, sbp, pbli, prof, ics	2	pc, mk, sbp, pbli, prof, ics
Inserts temporary transvenous pacemakers	PGY 4-5	Direct	pc, mk, pbli, prof	2	pc, mk, pbli, prof
Performs emergency cricothyrotomy	PGY 4-5	Indirect	pc, mk, sbp, pbli, prof, ics	2	pc, mk, sbp, pbli, prof, ics
Performs upper gastrointestinal endoscopy, with feeding tube for PEG placement	PGY 4-5	Direct	pc, mk, sbp, pbli, prof, ics	2	pc, mk, sbp, pbli, prof, ics
Performs percutaneous tracheostomy	PGY 4-5	Direct	pc, mk, sbp, pbli, prof, ics	2	pc, mk, sbp, pbli, prof, ics
Performs extracorporeal life support	PGY 4-5	Direct	pc, mk, pbli, prof, ics	2	pc, mk, pbli, prof, ics
Places thoracic, pericardial, and abdominal catheters	PGY 4-5	Indirect	pc, mk, sbp, pbli, prof, ics	2	pc, mk, sbp, pbli, prof, ics
Provides advanced airway management	PGY 4-5	Direct	pc, mk, sbp, pbli, prof, ics	2	pc, mk, sbp, pbli, prof, ics
Performs orotracheal and nasotracheal intubation	PGY 4-5	Direct	pc, mk, sbp, pbli, prof, ics	2	pc, mk, sbp, pbli, prof, ics
Performs basic and advanced cardiac life support	PGY 4-5	Indirect	pc, mk, sbp, pbli, prof, ics	2	pc, mk, sbp, pbli, prof, ics
Manages mechanical ventilation in acute and chronic respiratory failure	PGY 4-5	Indirect	pc, mk, sbp, pbli, prof, ics	2	pc, mk, sbp, pbli, prof, ics
Orders continuous renal replacement therapies	PGY 4-5	Indirect	pc, mk, sbp, pbli, prof, ics	2	pc, mk, sbp, pbli, prof, ics

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Performs electrical cardioversion	PGY 4-5	Indirect	pc, mk, sbp, pbli, prof, ics	2	pc, mk, sbp, pbli, prof, ics
Performs transcutaneous cardiac pacing	PGY 4-5	Indirect	pc, mk, sbp, pbli, prof, ics	2	pc, mk, sbp, pbli, prof, ics
Orders continuous sedative and analgesics in the critically ill	PGY 4-5	Indirect	pc, mk, sbp, pbli, prof, ics	2	pc, mk, sbp, pbli, prof, ics
Performs monitored conscious and deep sedative for invasive procedures	PGY 4-5	Direct	pc, mk, sbp, pbli, prof, ics	2	pc, mk, sbp, pbli, prof, ics
Performs intravenous anesthetic induction for intubation	PGY 4-5	Direct	pc, mk, sbp, pbli, prof, ics	2	pc, mk, sbp, pbli, prof, ics
Performs management of complex fluid and electrolyte disorders	PGY 4-5	Indirect	pc, mk, sbp, pbli, prof, ics	2	pc, mk, sbp, pbli, prof, ics
Performs intravenous thrombolytic therapy	PGY 4-5	Indirect	pc, mk, sbp, pbli, prof, ics	2	pc, mk, sbp, pbli, prof, ics
Orders appropriate pharmacologic therapy for management of circulatory shock and related disorders	PGY 4-5	Indirect	pc, mk, sbp, pbli, prof, ics	2	pc, mk, sbp, pbli, prof, ics
Orders enteral and parenteral nutrition during critical illness	PGY 4-5	Indirect	pc, mk, sbp, pbli, prof, ics	2	pc, mk, sbp, pbli, prof, ics
Understand Direct drug dosing during continuous renal replacement therapies	PGY 4-5	Indirect	pc, mk, sbp, pbli, prof, ics	2	pc, mk, sbp, pbli, prof, ics
Performs high-frequency ventilation	PGY 4-5	Direct	pc, mk, pbli, prof	2	pc, mk, pbli, prof
Performs central venous and pulmonary artery catheterization	PGY 4-5	Indirect	pc, mk, sbp, pbli, ics	2	pc, mk, sbp, pbli, ics
Orders appropriate consults	PGY 4-5	Indirect	pc, mk, sbp, pbli, prof, ics	2	pc, mk, sbp, pbli, prof, ics
Performs arterial catheterization	PGY 4-5	Indirect	pc, mk, sbp, pbli, prof, ics	2	pc, mk, sbp, pbli, prof, ics
Performs diagnostic flexible fiberoptic bronchoscopy	PGY 4-5	Direct	pc, mk, sbp, pbli, ics	2	pc, mk, sbp, pbli, ics

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Performs be Directide sonography for focused echocardiography, TCD, vascular access and body cavity drainage	PGY 4-5	Indirect	pc, mk, sbp, pbli, ics	2	pc, mk, sbp, pbli, ics
Performs be Directide spectral EEG analysis for sedation and neurological management	PGY 4-5	Indirect	pc, mk, sbp, pbli, prof, ics	2	pc, mk, sbp, pbli, prof, ics
Performs jugular venous bulb catheterization	PGY 4-5	Indirect	pc, mk, sbp, pbli, prof, ics	2	pc, mk, sbp, pbli, prof, ics

KEY
* Supervision:
Direct - the supervising physician is physically present with the resident and patient.
*A faculty physician, other than another resident, is physically present during the key portions of the procedure or is immediately available.
Indirect - the supervising physician is physically within the hospital or other site of patient care and is immediately available to provide direct supervision.
Oversight - the supervising physician is available to provide review of procedures/encounters with feedback after care is provided.
**Core Competencies:
1. Patient Care (PC)
2. Medical Knowledge (MK)
3. Practice-Based Learning & Improvement (PBL)
4. Systems-Based Practice (SBP)
5. Interpersonal & Communication Skills (IC)
6. Professionalism (P)