

**Anesthesiology and Acute Pain Medicine
Levels of Care**

PROCEDURE/SKILL	LEVEL OF CARE	SUPERVISION	MILESTONE	COMPETENCY
Formulates and implements regional anesthetic plans for patients with highly complex co-morbidities (e.g., severe pulmonary disease and congestive heart failure) undergoing major procedures	PGY 5	Direct	PC	Patient Care
Identifies and manages peri-operative, neurologic, pharmacologic, infectious, and hemorrhagic complications, with oversight	PGY 5	Direct	PC	Patient Care
Formulates and implements regional anesthetic plans for patients with rare comorbidities (e.g., inherited genetic disease) undergoing major procedures	PGY 5	Direct	PC	Patient Care
Identifies and manages rare peri-operative, neurologic, pharmacologic, infectious, and hemorrhagic complications	PGY 5	Direct	PC	Patient Care
Formulates and implements multimodal acute pain management plans for patients with highly complex comorbidities (e.g., patient with substance abuse, opioid dependence) undergoing major procedures	PGY 5	Indirect	PC	Patient Care
Implements a plan to manage patients with acute non-surgical pain, with oversight	PGY 5	Indirect	PC	Patient Care
Identifies and manages complications associated with acute pain interventions, with oversight	PGY 5	Indirect	PC	Patient Care
Is recognized as an expert resource for multimodal acute perioperative pain management	PGY 5	Indirect	PC	Patient Care
Is recognized as an expert resource for acute non-surgical pain management	PGY 5	Indirect	PC	Patient Care
Identifies and manages rare complications associated with acute pain interventions	PGY 5	Direct	PC	Patient Care
Performs complex nerve blocks, with oversight	PGY 5	Direct	PC	Patient Care
Performs neuraxial blocks for patients with complex anatomy, with oversight	PGY 5	Direct	PC	Patient Care

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Uses ultrasound to identify complex anatomy and alter patient management appropriately	PGY 5	Direct	PC	Patient Care
Is recognized as an expert resource in performing peripheral nerve blocks	PGY 5	Indirect	PC	Patient Care
Is recognized as an expert resource in performing neuraxial blocks	PGY 5	Indirect	PC	Patient Care
Is recognized as an expert institutional resource for using ultrasound to identify complex anatomy	PGY 5	Indirect	PC	Patient Care
Demonstrates functional application of advanced anatomic knowledge (e.g., recognition of aberrant anatomy, complex degenerative and post-surgical or traumatic changes)	PGY 5	Direct	MK	Medical Knowledge
Demonstrates functional application of advanced physiology, including recognition of rare physiologic responses and effects on organ systems	PGY 5	Direct	MK	Medical Knowledge
Demonstrates advanced knowledge of pharmacology in patients with complex comorbid diseases and/or inherited disorders of metabolism	PGY 5	Direct	MK	Medical Knowledge
Is recognized as an expert resource in applied anatomy	PGY 5	Indirect	MK	Medical Knowledge
Is recognized as an expert resource in applied physiology	PGY 5	Indirect	MK	Medical Knowledge
Is recognized as an expert resource in applied pharmacology	PGY 5	Indirect	MK	Medical Knowledge
Demonstrates and applies a knowledge of procedural alternatives to choose individual blocks and formulate a patient specific plan	PGY 5	Indirect	MK	Medical Knowledge
Integrates knowledge of alternative approaches to nerve and plexus localization (e.g., paresthesia, perivascular, fascial plane, loss of resistance [LOR], field blocks)	PGY 5	Indirect	MK	Medical Knowledge
Generates new knowledge related to procedures and techniques related to acute pain management and regional anesthesia	PGY 5	Direct	MK	Medical Knowledge

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Applies knowledge of the full range of nerve localization techniques and the limitations associated with individual and combined techniques	PGY 5	Indirect	MK	Medical Knowledge
With oversight, performs targeted history and physical examination for surgical and non-surgical patients with complex comorbidities, preexisting psychosocial risk factors, chronic pain, and/or extremes of age, who are experiencing acute pain	PGY 5	Direct	MK	Medical Knowledge
Is recognized as an expert resource for the assessment of, and consultative services for, acute pain in surgical and nonsurgical patients	PGY 5	Indirect	MK	Medical Knowledge
Conducts analysis of patient safety events and offers error prevention strategies (simulated or actual)	PGY 5	Direct	MK	Medical Knowledge
Discloses patient safety events to patients and families (simulated or actual)	PGY 5	Indirect	MK	Medical Knowledge
Demonstrates the skills required to identify, develop, implement, and analyze a quality improvement project	PGY 5	Indirect	MK	Medical Knowledge
Actively engages teams and processes to modify systems to prevent patient safety events	PGY 5	Indirect	MK	Medical Knowledge
Role models or mentors others in the disclosure of patient safety events	PGY 5	Indirect	MK	Medical Knowledge
Creates, implements, and assesses quality improvement initiatives at the institutional or community level	PGY 5	Indirect	MK	Medical Knowledge
Role models effective coordination of patient centered care among different disciplines and specialties	PGY 5	Indirect	SBP	System Based Practice
Role models and advocates for safe and effective transitions of care/handoffs within and across health care delivery systems, including outpatient settings	PGY 5	Indirect	SBP	System Based Practice

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Participates in changing and adapting practice to provide for the needs of specific populations	PGY 5	Indirect	SBP	System Based Practice
Analyzes the process of care coordination and leads the design and implementation of improvements	PGY 5	Indirect	SBP	System Based Practice
Improves quality of transitions of care within and across healthcare delivery systems to optimize patient outcomes	PGY 5	Indirect	SBP	System Based Practice
Leads innovations and advocates for populations and communities with health care inequities	PGY 5	Indirect	SBP	System Based Practice
Manages the interrelated components of the complex health care system for efficient and effective patient care	PGY 5	Indirect	SBP	System Based Practice
Advocates for patient care, understanding the limitations of patient specific payment models (e.g., community resources, patient assistance resources)	PGY 5	Indirect	SBP	System Based Practice
Applies knowledge of contract negotiations, malpractice insurance, government regulation, compliance, MACRA, and MIPS to the transition to independent practice	PGY 5	Indirect	SBP	System Based Practice
Advocates for or leads change to enhance systems for high-value, efficient, and effective patient care	PGY 5	Indirect	SBP	System Based Practice
Participates in advocacy activities for health policy to better align payment systems with high-value care	PGY 5	Indirect	SBP	System Based Practice
Critically appraises the evidentiary basis for patient care and identifies gaps in existing evidence	PGY 5	Direct	PBL	Practice Based Learning & Improvement
Serves as a local expert for implementation of evidence-based practice and clinical guidelines	PGY 5	Indirect	PBL	Practice Based Learning & Improvement
Uses performance data to measure the effectiveness of the learning plan and when necessary, improves it	PGY 5	Indirect	PBL	Practice Based Learning & Improvement
Challenges assumptions and considers alternatives in narrowing the gap(s) between expectations and actual performance	PGY 5	Direct	PBL	Practice Based Learning & Improvement

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Role models consistently seeking performance data with adaptability and humility	PGY 5	Indirect	PBL	Practice Based Learning & Improvement
Analyzes and reflects on how one's own behavior and practice impacts others	PGY 5	Indirect	PBL	Practice Based Learning & Improvement
Recognizes situations that may trigger professionalism lapses and intervenes to prevent lapses in self and others	PGY 5	Indirect	Prof	Professionalism
Recognizes and utilizes appropriate resources for managing and resolving ethical dilemmas as needed (e.g., ethics consultations, literature review, risk management/legal consultation, and stewardship of limited resources)	PGY 5	Indirect	Prof	Professionalism
Coaches others when their behavior fails to meet professional expectations	PGY 5	Indirect	Prof	Professionalism
Identifies and seeks to address system-level factors that induce or exacerbate ethical problems or impede their resolution	PGY 5	Indirect	Prof	Professionalism
Takes ownership of system outcomes and recognizes situations that may impact others' ability to complete tasks and responsibilities in a timely manner	PGY 5	Indirect	Prof	Professionalism
Proactively develops and implements systematic strategies to improve accountability in health care systems	PGY 5	Indirect	Prof	Professionalism
Uses written or verbal communication (patient notes, e-mail, etc.) that serves as an example for others to follow	PGY 5	Indirect	ICS	Interpersonal & Communication Skills
Initiates difficult conversations with appropriate stakeholders to improve system communications	PGY 5	Indirect	ICS	Interpersonal & Communication Skills
Participates in dialogue regarding health care systems issues among larger community stakeholders (e.g., institution, practitioners, graduate medical education)	PGY 5	Indirect	ICS	Interpersonal & Communication Skills

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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)