

Clinical Evaluation Competencies by Semester

Competency/Semester	1-2	3	4-5	6
I. Pre-anesthetic preparation	I. Pre-anesthetic preparation	I. Pre-anesthetic preparation	I. Pre-anesthetic preparation	I. Pre-anesthetic preparation
Room Preparation/Equipment Check	Prepares the anesthesia cart, gas machine, and drug setup	Prepares the gas machine, and equipment and medications for routine cases	Identifies and assembles anesthesia equipment for all ASA level cases with minimal assistance	Gathers and correctly prepares appropriate monitors, medications, and special equipment for all patients.
Pre-op review	Evaluates each patient's record, history, and medications.	Completes a thorough pre-operative evaluation on class I/II patients independently	Completes an appropriate pre-operative evaluation on class I-IV patients.	Performs a thorough pre-operative evaluation, predicts complications, and requests additional needed studies.
Develops anesthetic plan	Develops plan for standard monitoring and medications needed, based upon pre-operative assessment	Identifies and plans for potential anesthetic problems, considering implications of patient pathophysiology.	Analyzes a variety of pre-operative data to form a complete anesthetic plan	Synthesizes a comprehensive care plan for all ASA physical status categories with minimal assistance
Communicates pre-op	Discusses patient assessment with faculty, identifying pertinent issues and demonstrating critical thinking	Discusses anesthetic plan with instructor in a knowledgeable and organized manner	Discusses anesthetic plan in a knowledgeable and organized manner. Identifies need for consultation with surgeon	Clearly communicates anesthetic plan and rationales. Consults surgeon for discussion as necessary.
Knowledge basis of preparation	Discusses pharmacodynamics/pharmacokinetics of commonly used anesthetic drugs	Justifies the selection of pharmacological agents based upon individual pt. history and drug interactions	Incorporates understanding of surgical procedure and complications from co-morbidities in anesthetic plan.	Incorporates understanding of patient status, procedure, and anticipated responses in devising anesthetic plan.

II. Anesthetic Management	III. Anesthetic Management	III. Anesthetic Management	III. Anesthetic Management	III. Anesthetic Management
Monitoring	Properly applies routing monitoring equipment.	Accurately interprets monitor data; able to problem-solve in a systematic manner.	Accurately interprets monitor data; able to problem-solve in a systematic manner.	Accurately interprets basic and advanced monitors; able to problem-solve in a systematic manner.
Vascular access		Demonstrates proper vascular access technique	Skilled in venipuncture and arterial line insertion.	Proficient in obtaining intravenous and arterial access.
Drug administration	Administers routine anesthetic medications and agents in proper dosages.	Administers induction medications in appropriate dosages and sequences.	Safely and effectively induces anesthesia/sedation for adults and pediatrics	Safely and effectively induces anesthesia/sedation for adults and pediatrics
Secures airway	Effectively positions head, maintains mask airway.	Proper insertion of LMA, laryngoscopy proficiently with one blade. Successful intubation in class I-II airways.	Readily establishes and maintains airway. Uses adjunctive airway tools with some assistance.	Proficient in oral and nasal intubation with class III-IV airways. Utilizes a variety of airway adjuncts.
Manages airway	Recognizes airway problems and adequacy of ventilation throughout case.	Recognizes and treats airway obstruction promptly with minimal assistance.		Promptly and independently recognizes airway inadequacies and effectively intervenes.
Positioning	Properly positions patient with some assistance.		Safely manages positioning, including sitting, prone, and lithotomy positions.	Independently positions patient for optimum safety and surgical accessibility.
Critical Thinking/Decision-making		Demonstrates rational prioritization in the anesthetic plan based upon changing patient conditions.	Demonstrates effective problem-solving and trouble-shooting techniques.	Actions are based upon accurate interpretation of monitors and understanding of patient physiology and pathophysiology.
Blood and fluid administration	Calculates and administers fluids and blood appropriately	Effectively calculates and manages fluid and blood requirements		Maintains proper fluid balance and administers colloids as indicated

Maintains anesthesia	Maintains an appropriate level of anesthesia with guidance	Maintains appropriate level of anesthesia; discontinues anesthetic at appropriate time	Skillfully manages adequate level of anesthesia for ASA I-V cases	
Specialty knowledge			Applies sound principles for specialty populations: obstetric, pediatric, neuro, & cardiac.	Competently cares for specialty populations: obstetric, pediatric, neuro, & cardiac.
Regional Anesthesia	Describes pharmacology and application of various local anesthetics.	Performs spinal/epidural techniques with assistance.	Sound decision-making regarding choice, application, and management of regional anesthetics.	Demonstrates cognitive and manual skills to plan and administer safe regional anesthesia.
Vigilance and patient assessment	Maintains vigilance. Responds promptly to alarms, vital sign changes.	Maintains vigilance and responds promptly to changes in patient condition. Balances attention between charting and case management.	Monitors patient continuously and promptly responds to changing conditions	High degree of patient vigilance. Anticipates surgical and patient responses. Intervenes appropriately.
Documentation		Properly completes the anesthetic record. Balances charting and patient care.		Documents care using accepted format and abbreviations, with minimal errors.
Emergence/extubation		Correctly assesses extubation criteria. Extubates safely.	Correctly assesses extubation criteria. Extubates safely.	Plans and implements a timely and safe emergence and extubation

IV. Communication Skills/Professional Role	IV. Communication Skills/Professional Role	IV. Communication Skills/Professional Role	IV. Communication Skills/Professional Role	IV. Communication Skills/Professional Role
Self-assessment		Seeks additional guidance when needed.	Critiques own performance to determine learning needs.	Accurately evaluates and critiques own performance.
Communication skills	Effectively communicates and interacts with health care team.	Effectively communicates and interacts with health care team. Reports patient status to PACU.	Communicates effectively and personably with surgeons, nurses, and ancillary staff.	Independently communicates and interacts with members of the health care team.
Professional behavior	Demonstrates reliability and punctuality regarding clinical assignments	Demonstrates responsibility and accountability for patient and room management.		Plans for future events; demonstrates efficiency in clinical practice.
Command of anesthesia care	Accepts close guidance and supervision.	Performs effectively in stressful situations.	Functions as a valuable member of the anesthesia team. Demonstrates independent decision-making.	Demonstrates self-confidence. Performs effectively in stressful situations. Autonomous management of routine cases.
Willingness to learn	Willingness to learn; accepts instruction and constructive criticism.	Demonstrates initiative to seek out learning opportunities and is receptive to instruction.	Independently seeks extra learning experience to expand anesthesia expertise.	Demonstrates willingness to learn; accepts guidance. Seeks out relevant learning opportunities.
Safety/infection control	Follows standards for safety and infection control.	Follows standards for safety and infection control.	Follows standards for safety and infection control.	Follows standards for safety and infection control.
Work Area	Maintains a clean, neat working environment	Maintains a clean, neat and organized work area.	Organizes work area to facilitate smooth operations and patient care.	Works within the budgetary and accreditation goals of the O.R./anesthesia department
Cultural competence	Treats patients respectfully, demonstrating appropriate cultural awareness	Treats patients respectfully, demonstrating appropriate cultural awareness	Treats patients respectfully, demonstrating appropriate cultural awareness	Treats patients respectfully, demonstrating appropriate cultural awareness