Encore Symposiums Advanced Anesthesiology Essentials 2027: December 3 - 6
Learner Assessment and Program Evaluation

Name:

AANA ID#:

Indicate your level of achievement for each learner objective on the rating scale. Rate on the following scale: 1=Poor, 2=Below Average, 3=Average, 4=Above Average, 5=Excellent	**Rating 1 to 5**
Lecture 01 - Inside the Airway: A Practical Guide to Advanced Airway Management - R. Shores	
Demonstrate accurate airway assessment and management strategies.	
Discuss optimal emergency management of the airway.	
Identify best practice to avoid negative sequela of airway management.	
Overall rating of topic and facilitator during this lecture.	
Lecture 02 - The Art of Relaxation: Paralytics and Reversal Done Right Critical Breathing: Advanced Airway Skills Backed by Science - R. Shores	
Identify muscle relaxant monitoring techniques.	
Describe proper reversal management of muscle relaxants.	
Overall rating of topic and facilitator during this lecture.	
Lecture 03 - Pathophysiology and Perioperative Management of Renal, Hepatic, and Hematologic Disorders: A Longitudinal Clinical Update - M. Talon	
Review the pharmacokinetic and pharmacodynamic alterations of anesthetic agents in patients with varying degrees of renal and hepatic impairment to optimize drug selection and dosing.	
Discuss current evidence-based guidelines for the management of complex hematologic disorders and coagulopathies to mitigate perioperative bleeding and thrombotic risks.	
Discuss clinical data from longitudinal assessment modules to identify individual knowledge gaps and apply targeted rationales to improve patient safety outcomes.	
Review comprehensive anesthetic plans for patients with multi-system organ dysfunction, incorporating iterative feedback and performance data to refine clinical decision-making.	
Explain proficiency in interpreting diagnostic laboratory values (e.g., GFR, LFTs, TEG/ROTEM) as part of a continuous knowledge-reinforcement cycle aimed at reducing perioperative complications.	
Overall rating of topic and facilitator during this lecture.	
Lecture 04 - Neuromuscular Vulnerabilities: Malignant Hyperthermia, Musculoskeletal Pathology, and the Science of Intraoperative Positioning - M. Talon	
State the pathophysiology, genetic markers, and clinical triggers of Malignant Hyperthermia (MH) to execute rapid, evidence-based crisis management protocols.	
Discuss the anesthetic management considerations for patients with various musculoskeletal and neuromuscular disorders (e.g., muscular dystrophies, myasthenia gravis) to minimize perioperative morbidity.	
Explain individualized intraoperative positioning strategies that mitigate the risk of peripheral nerve injury, compartment syndrome, and pressure-related tissue damage.	
Review longitudinal assessment performance data to identify personal knowledge gaps in the recognition and treatment of neuromuscular emergencies.	
Discuss immediate feedback and rationales provided during micro-assessments to reinforce clinical decision-making and ensure long-term retention of safety-critical protocols.	
Overall rating of topic and facilitator during this lecture.	

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Lecture 05 - The Ebb and Flow of Cardiac Valve Disease for Non-Cardiac Surgery - K. Westra	
List the hemodynamic evidence-based anesthesia management of regurgitant and stenotic cardiac valvular lesions including vasoactive medications to ensure hemodynamic stability.	
State the pharmacokinetic goals of vasoactive medications for patients with aortic stenosis and mitral regurgitation.	
Overall rating of topic and facilitator during this lecture.	
Lecture 06 - Navigating the Anesthesia Tightrope: Cardiac Risk in the Anesthesia Care: Managing Coronary Disease, Cardiac Stents, Cardiac Implantable Devices - K. Westra	
List the evidence-based management of preoperative medications including antihypertensives and anticoagulation medications in anesthesia care.	
State the pharmacokinetics and pharmacodynamic implications of angiotensin blockers and ACE inhibitors in anesthesia care.	
Overall rating of topic and facilitator during this lecture.	
Lectures 07- Take My Breath Away: Anesthesia Management of Pulmonary Complications & Pitfalls - K. Westra	
List the physiological principles of anesthesia management of pulmonary hypertension, Negative Pressure Pulmonary Edema, and Bronchospasm.	
Define the pulmonary and adjunct medications used in the management of negative pressure pulmonary edema and bronchospasm, including pharmacokinetic actions.	
Overall rating of topic and facilitator during this lecture.	
Lectures 08 - Lungs on the Line: Anesthesia Best Practices for Protective Lung Strategies for the Everyday Anesthesia Provider - K. Westra	
Define the key principles for managing protective lung strategies including reducing barotrauma, atelectotrauma, diffusion hypoxia.	
Discuss the physiological principles for managing restrictive and obstructive lung diseases in anesthesia care, including medications and pharmacokinetic actions.	
Overall rating of topic and facilitator during this lecture.	
Lecture 09 - Critical Breathing: Advanced Airway Skills Backed by Science - R. Shores	
State the steps of successful navigation of the difficult airway algorithm.	
Identify possible modes of failure of select airway equipment and actions necessary to correct these failures.	
Overall rating of topic and facilitator during this lecture.	
Lecture 10 - Revisiting a Classic: Perioperative Magnesium Sulfate - R. Shores	
Review the neurophysiology applicable to NMDA receptors.	
Discuss pharmacological principles of Magnesium sulfate.	
Review multimodal analgesia.	
Analyze best practices for incorporating Magnesium sulfate into a multimodal plan.	
Overall rating of topic and facilitator during this lecture.	

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Lectures 11 - Foundations of Anesthetic Pharmacology and Multimodal Pain Management: A Longitudinal Approach to Clinical Mastery - M. Talon	
Review the pharmacokinetic and pharmacodynamic profiles of commonly used inhalation agents, intravenous induction drugs, and neuromuscular blockers to tailor anesthetic delivery.	
Explain the neurobiology of acute and chronic pain to implement effective multimodal analgesic strategies that minimize opioid reliance and enhance patient recovery.	
Describe the clinical indications, contraindications, and potential adverse effects of local anesthetics and adjunct medications in the context of regional and neuraxial anesthesia.	
Discuss immediate feedback and evidence-based rationales from micro-assessments to correct clinical misconceptions and reinforce foundational anesthetic principles.	
Review longitudinal performance data to identify specific content areas for improvement, facilitating a targeted professional development plan that aligns with national certification standards.	
Overall rating of topic and facilitator during this lecture.	
Lectures 12 - Advanced Endocrine Considerations for the CRNA: Navigating Metabolic and Hormonal Complexity in Clinical Practice - M. Talon	
Describe the pathophysiology of major endocrine disorders, including diabetes mellitus, adrenal insufficiency, and thyroid dysfunction, to identify their impact on perioperative Homeostasis.	
Review current pharmacological management strategies for endocrine-related medications, with a focus on preoperative GLP-1 agonist (Semaglutide) holding guidelines and intravenous insulin infusion protocols.	
Discuss tailored anesthesia management plans for patients with autonomic neuropathy, "stiff joint syndrome," and other metabolic complications that increase the risk of difficult airway and hemodynamic instability.	
Explain difference between the clinical presentations of acute endocrine crises, such as thyroid storm, pheochromocytoma crisis, and diabetic ketoacidosis (DKA), to ensure rapid and accurate intervention.	
Discuss evidence-based strategies for the anesthetic management of pituitary and parathyroid dysfunction, including the correction of acute electrolyte imbalances like hypercalcemia.	
Overall rating of topic and facilitator during this lecture.	
Lecture 13 - Pediatric Crisis Management: A Longitudinal Review of Critical Medical and Surgical Emergencies for Anesthesia Providers - M. Talon	
Describe the anatomical and physiological factors (e.g., higher oxygen consumption and airway resistance) that predispose pediatric patients to rapid deterioration during respiratory emergencies like croup, epiglottitis, and status asthmaticus.	
Discuss the clinical presentation and immediate anesthetic management for pediatric medical emergencies, including the recognition of septic shock, management of status epilepticus, and stabilization of major trauma.	
Identify safe perioperative strategies for pediatric surgical emergencies such as intussusception, the acute abdomen in newborns, and the high-risk "bleeding tonsil".	
Discuss immediate feedback and detailed rationales from iterative micro-assessments to bridge knowledge gaps and reinforce evidence-based protocols for pediatric resuscitation.	
Review longitudinal performance data to identify personal "Content Areas for Improvement" in high-stakes, low-frequency pediatric scenarios, ensuring ongoing readiness for emergency call.	
Overall rating of topic and facilitator during this lecture.	

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Lecture 14 - Anesthesia 4.0: The Integration of Artificial Intelligence, Predictive Analytics, and Robotics in Perioperative Care - M. Talon	
Define the role of machine learning and predictive analytics (e.g., hypotension prediction indices) in enhancing real-time intraoperative clinical decision-making.	
Review the clinical utility and safety profiles of closed-loop anesthetic delivery systems and robotic-assisted procedural interventions.	
State the ethical and practical implications of "black box" algorithms, addressing issues of algorithmic bias and the transition toward ambient clinical documentation.	
Discuss immediate feedback and detailed rationales from iterative micro-assessments to refine the application of AI-driven risk stratification in complex patient populations.	
Review longitudinal performance data to identify specific content areas for improvement related to the integration of automated systems and advanced perioperative technology.	
Overall rating of topic and facilitator during this lecture.	
Lecture 15 - Anesthesia for Cancer Patients: What We do Matters in Cancer Care - K. Westra	
List the Best Practices in Anesthesia care for reducing cancer recurrence risk including pharmacological choices for Intravenous medications.	
Define the pharmacokinetic principles of propofol infusion versus inhalations anesthesia agents for reducing cancer recurrence rates.	
Overall rating of topic and facilitator during this lecture.	
Lecture 16 - Guarding the Brain: The Art of Neuroanesthesia - K. Westra	
List the pharmacological agents and adjuncts use for optimizing neuronal protection in neuroanesthesia.	
State the pharmacokinetic and pharmacodynamic principles for medications in neuroanesthesia care.	
Overall rating of topic and facilitator during this lecture.	
Lecture 17 - Beyond the Beeps: Navigating Anesthesia Machines and Monitoring Safely - R. Shores	
Describe functions of the anesthesia machine.	
Identify available advanced monitors.	
Demonstrate applicability of advanced equipment.	
Overall rating of topic and facilitator during this lecture.	
Lecture 18 - The Ethical Anesthetist: A Longitudinal Review of Applied Bioethics, Law, and Professional Integrity - M. Talon	
List the four fundamental principles of bioethics (autonomy, beneficence, non-maleficence, and justice) in the context of challenging perioperative scenarios, such as informed consent for minors or refusal of blood products.	
State the legal and ethical implications of professional disclosure, including the management of medical errors, "near misses" and the duty to report impaired colleagues.	
Review the intersection of healthcare law and ethics, specifically regarding Advance Directives, DNR orders in the operating room, and the Emergency Medical Treatment and Labor Act (EMTALA).	
Discuss immediate feedback and ethical rationales provided through iterative assessments to resolve cognitive biases and improve moral reasoning in high-pressure clinical environments.	
Review longitudinal performance data to identify personal "Content Areas for Improvement" in ethical literacy, ensuring a consistent alignment with the AANA Code of Ethics.	
Overall rating of topic and facilitator during this lecture.	

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Lecture 19 - Critical Blood Loss: Anesthetic Priorities in Hemorrhagic Trauma - R. Shores	
Review trauma statistics and evaluation.	
Identify the role the military has played in development of resuscitation guidelines.	
Review pathophysiological phenomena during hemorrhagic trauma.	
Present current evidence on resuscitation strategies for trauma resuscitation including medications and pharmacokinetic actions.	
Overall rating of topic and facilitator during this lecture.	
Lecture 20 - Ultrasound Demystified: A Beginner's Guide That Actually Clicks - R. Shores	
Review physics of sound waves and their application to ultrasound.	
Discuss basic concepts of ultrasound technology.	
Review application of ultrasound principles.	
Describe how ultrasound can be useful in anesthetic management.	
Overall rating of topic and facilitator during this lecture.	
Lecture 21 - Beyond the Anesthesia Shortage: Innovative Models for Managing the Anesthesia Provider Shortage - K. Westra	
Define the current data analytics for projected workforce shortage in anesthesia providers in the United States.	
Define innovative care models for sustainable anesthesia care in the United States.	
Overall rating of topic and facilitator during this lecture.	
Lecture 22 - Anesthesia Unmasked: Making it to Retirement Safely on the 1099 and W2 Pathways - K. Westra	
List the financial and legal implications of 1099 contractors versus employed anesthesia providers.	
Define the legal implications of 1099 contracts including negotiations with hospital administrators, agency third party vendors.	
Overall rating of topic and facilitator during this lecture.	

Overall Assessment

Indicate your level of achievement for each statement on the rating scale. Rate on the following scale: 1=Poor, 2=Below Average, 3=Average, 4=Above Average, 5=Excellent	**Rating 1 to 5**
The facilitators were effective in presenting the material.	
Teaching methods were effective.	
The program content was related to the objectives.	
My personal learning objectives were met.	
Physical facilities facilitated learning.	

State one item you learned that will improve your nurse anesthesia practice.

State any barriers to implement this change.

What future topics would you like presented?