

**Leading Innovation: Integration  
of Artificial Intelligence in  
Nurse Anesthesia Practice,  
Education, and Scholarly  
Activities**

**Pre-Congress  
Workshop**

**Saturday, August 9, 2025  
12:30 – 5:00 pm**

**Music City Center**  
201 Rep. John Lewis Way S.  
Nashville, TN 37203

**Purpose:** This workshop aims to support attendees to understand the foundational concepts and mechanisms of artificial intelligence and to practice essential skills for using artificial intelligence effectively and ethically in clinical practice, education, and scholarly activities.

**Target Audience:** The workshop is intended for Certified Registered Nurse Anesthetists (CRNAs), policymakers or administrative leaders in nurse anesthesia or patient safety, didactic or clinical educators, and Resident Registered Nurse Anesthetists (RRNAs).

**Program Description:** This program explores the integration of artificial intelligence (AI) into nurse anesthesia practice, education, and scholarly activities, offering attendees foundational knowledge, ethical considerations, and hands-on application of AI tools. Designed for CRNAs, policymakers, educators, and RRNAs, it provides actionable strategies for leveraging AI to improve patient outcomes, streamline operations, and enhance learning experiences.

Note: Upon completion of the online and workshop components of the course the participant will receive a certificate of completion.

To ensure that the workshop content met both knowledge and skill sets associated with competencies and curriculum expectations, we're requesting participants to engage in a brief follow up survey 6 months after the workshop. This will help the AANA measure the change in practice performance that is associated with an educational intervention.

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12:30 – 12:45 pm	<b>Welcome and Overview</b>	
12:45 – 1:45 pm	<b>AI Foundation and Generative AI Prompt Engineering (1 Class A CE)</b> Learner Outcomes: <ol style="list-style-type: none"><li>1. Describe the foundational concepts of artificial intelligence (AI), including algorithms, machine learning, neural networks, and different types of artificial intelligence.</li><li>2. Discuss the core principles (ACHIEVE), advantages, potential risks, and ethical challenges of using artificial intelligence</li><li>3. Practice common prompt engineering techniques and approaches for addressing specific challenges in real-world scenarios.</li></ol>	Jiale (Gary) Hu, PhD, RN, FAAN
1:45 – 2:45 pm	<b>AI Applications in Clinical Practice, System Operations and Quality Improvement (1 Class A CE)</b> Learner Outcomes: <ol style="list-style-type: none"><li>1. Discuss AI's contribution to improve patient safety and outcomes in the preoperative assessment, intraoperative monitoring, and closed-loop anesthesia systems.</li></ol>	Patty M. Reilly, CRNA Desiree Chappell, MSNA, CRNA, FAANA Steven B. Greenberg, MD, FCCP, FCCM

	2. Describe how AI technologies can be used to identify perioperative inefficiencies, track performance metrics, and implement continuous improvement strategies.	
2:45 – 3:00 pm	<b>Break</b>	
3:00 – 4:00 pm	<b>AI Applications in Education and Teaching (1 Class A CE)</b> Learner Outcomes: <ol style="list-style-type: none"> <li>1. Explain the potential of AI to revolutionize nurse anesthesia education, including its applications in didactic and clinical settings.</li> <li>2. Identify specific AI tools and techniques that can be used to personalize learning experiences for nurse anesthesia students.</li> <li>3. Apply AI tools to create innovative and engaging learning activities, such as personalized simulations and learning modules.</li> </ol>	Nicole Damico, PhD, CRNA, CHSE, FAANA
4:00 – 5:00 pm	<b>Guidelines and Strategies for Integration of AI into Anesthesia Practice (1 Class A CE)</b> Learner Outcomes: <ol style="list-style-type: none"> <li>1. Describe AI governance policy considerations for related technologies, applications, responsible AI, and regulatory requirements.</li> <li>2. Identify the key considerations to develop and appraise evidence-based guidelines and policies for the use of AI in anesthesia.</li> </ol>	Lynn Reede, DNP, MBA, CRNA, FNAP
5:00 pm	<b>Program Ends</b>	

**Accreditation Statement:**

This course has been prior approved by the American Association of Nurse Anesthetists for 4.00 Class A CE credits; AANA Code Number 1045314; Expiration date Saturday, August 9, 2025.

The American Association of Nurse Anesthetists is accredited as a provider of nursing continuing professional development by the American Nurses Credentialing Center's Commission on Accreditation.

AANA is an approved provider by the California Board of Registered Nursing, CEP #10862.

**Conflict of Interest Disclosure:**

All presenters and planners of this continuing nursing education activity are required to disclose to the audience any significant financial relationship with the manufacturer(s) of any commercial healthcare products, goods, or services consumed by or used on patients. If any conflicts have been disclosed, the planners of this program assure that the content is unbiased and free of any conflict of interest.

All planners, authors, and content reviewers disclosed that there were no commercial interest relationships to declare. Attendees will be provided full disclosure information on the AANA Meetings App.