Introduction to Perioperative Point-of-Care Ultrasound

Morning Session

Friday, August 18, 2023
7:00 am – 11:30 am

Seattle Convention Center- Summit Building

900 Pine Street

Seattle, WA 98101

Purpose: Prepare the nurse anesthesiologist to conduct Perioperative Point of Care Ultrasound (POCUS) scans in the assessment and management of patients.

Target Audience: Certified Registered Nurse Anesthesiologists who desire new options for patient assessment and differential diagnosis.

Program Description: Clinicians use POCUS to assess for vascular access, aspiration risk, difficult airway, pulmonary function, fluid volume status, and cardiopulmonary pathology. Through the AANA, a collaborative group of instructors coordinated by the Middle Tennessee School of Anesthesia (MTSA) will provide a hybrid course that includes online modules and a hands-on workshop.

Part 1: The knowledge-based online learning component will focus on ultrasound comprehension and scanning techniques. The core perioperative POCUS procedures include vascular access, airway, gastric, pulmonary, and focused cardiac ultrasound. Each participant is expected to complete the self-paced modules prior to the workshop. The material can be accessed on smartphones, tablets, and lap-top computers. An 80% score is required to receive continuing education credit.

Part 2: The hands-on component is offered at the AANA's 2023 Annual Congress in Seattle, WA. The four-hour workshop uses human models and phantoms to teach associated sonoanatomy and proper procedural techniques.

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

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7:00 – 7:15 am	**Welcome and Overview**	
7:15 – 8:15 am	**Gastric Ultrasound Assessment (1 Class A CE)** Learner Outcomes: 1. Identify key anatomic structures necessary for proper assessment of the gastric antrum. 2. Differentiate gastric contents quantitatively and qualitatively to determine aspiration risk.	Shayne Hauglum, PhD, CRNA Christian R. Falyar, DNAP, CRNA, FAANA Daniel Nash, DNAP, CRNA Andrew Rice, DNP, CRNA, APRN, ACNP-BC Scot Pettey, DNAP, CRNA Andrew Gould, MSN, CRNA Nicolette Hooge, DNP, MBA, CRNA
8:15 – 9:15 am	**Ultrasound-Guided Vascular Access Assessment and Placement (1 Class A CE)** Learner Outcomes: 1. Differentiate arterial and venous properties for vascular access placement. 2. Demonstrate proper in-plane and out-of-plane techniques used in ultrasound-guided vascular access.	Shayne Hauglum, PhD, CRNA Christian R. Falyar, DNAP, CRNA, FAANA Daniel Nash, DNAP, CRNA Andrew Rice, DNP, CRNA, APRN, ACNP-BC Scot Pettey, DNAP, CRNA Andrew Gould, MSN, CRNA Nicolette Hooge, DNP, MBA, CRNA
9:15 – 9:30 am	**Break**	

9:30 – 10:30 am	**Airway and Respiratory Assessment (1 Class A CE)** Learner Outcomes: 1. Identify the cricothyroid membrane and determine proper endotracheal tube placement with ultrasound. 2. Understand how to rule out pneumothorax post-procedure, assess for pneumothorax, pulmonary edema and lung consolidation.	Shayne Hauglum, PhD, CRNA Christian R. Falyar, DNAP, CRNA, FAANA Daniel Nash, DNAP, CRNA Andrew Rice, DNP, CRNA, APRN, ACNP-BC Scot Pettey, DNAP, CRNA Andrew Gould, MSN, CRNA Nicolette Hooge, DNP, MBA, CRNA
10:30 – 11:30 am	**Focused Cardiac Ultrasound (FoCUS) Assessment (1 Class A CE)** Learner Outcomes: 1. Evaluate cardiac function and filling using the four cardiac windows and standard assessment criteria. 2. Determine fluid volume status by evaluating the vena cava.	Shayne Hauglum, PhD, CRNA Christian R. Falyar, DNAP, CRNA, FAANA Daniel Nash, DNAP, CRNA Andrew Rice, DNP, CRNA, APRN, ACNP-BC Scot Pettey, DNAP, CRNA Andrew Gould, MSN, CRNA Nicolette Hooge, DNP, MBA, CRNA
11:30 am	**Program Ends**	

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 1042939; Expiration date 08/18/2023.

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.