AANA 2024
ANNUAL CONGRESS + AUGUST 2-6

# Essential Perioperative Point-of-Care Ultrasound Workshop

## Morning Session

**Friday, August 2, 2024**
**7:00 am – 11:30 am**

**San Diego Convention Center**

111 Harbor Drive

San Diego, CA 92101

**Purpose:** Learn point-of-care ultrasound (POCUS) studies necessary for daily clinical practice. This workshop introduces attendees to peripheral vascular access, ultrasound assessment of gastric contents, endotracheal tube placement confirmation, location of the cricothyroid membrane, lung ultrasound, ultrasound assessment of intracranial pressure, and assessment of hemodynamic status. This is an immersive hybrid course with eight hours of didactic lectures and four hours of hands-on instruction.

**Target Audience:** This workshop is tailored to the practicing CRNA, both new and experienced providers looking to learn or enhance their POCUS skills.

**Program Description**: Point-of-Care ultrasound has been shown to facilitate vascular access, determine aspiration risk, confirm endotracheal tube placement, assess pulmonary function, and evaluate fluid-volume volume status. Through the AANA, a collaborative group of instructors coordinated by the Middle Tennessee School of Anesthesia (MTSA) will provide a hybrid course that combines online modules with a hands-on workshop.

Part 1: The online learning modules focus on ultrasound comprehension and scanning techniques. In addition, core perioperative POCUS studies including vascular access, airway assessment, gastric ultrasound, lung ultrasound, and hemodynamic assessment are investigated. 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 workshop (outlined below) will occur at the AANA's 2024 Annual Congress in San Diego, CA. The four-hour workshop uses human models to learn the normal sonoanatomy for each study. To claim the 4 Class A CE for attending, participants must fill out the Program Evaluation available in the conference mobile app following conclusion of the workshop. The evaluation will be available for 30 days.

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.

## Friday, August 2, 2024

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| 7:00 – 7:15 am | **Welcome and Overview** | |
| 7:15 – 8:15 am | **Gastric Ultrasound Assessment (1 Class A CE)**<br>Learner Outcomes:<br>1. Describe proper transducer placement and sonoanatomy.<br>2. Describe gastric contents qualitatively based on ultrasound presentation.<br>3. Identify parameters for determining quantitative gastric volume. | Christian Falyar, DNAP, CRNA, FAANA<br>Nicolette Hooge, DNP, MBA, CRNA<br>Scot Pettey, DNAP, CRNA, FAANA<br>Shayne Hauglum, PhD, CRNA, FAANA<br>Jamie Furstein, PhD, CRNA, FAANA<br>Andrew Rice, DNP, CRNA<br>Daniel Nash, DNAP, CRNA |
| 8:15 – 9:15 am | **Ultrasound-Guided Access Assessment (1 Class A CE)**<br>Learner Outcomes:<br>1. Identify vascular functional anatomy to sonoanatomy. | Christian Falyar, DNAP, CRNA, FAANA<br>Nicolette Hooge, DNP, MBA, CRNA<br>Scot Pettey, DNAP, CRNA, FAANA<br>Shayne Hauglum, PhD, CRNA, FAANA<br>Jamie Furstein, PhD, CRNA, FAANA |

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| | 2. Identify arterial and venous flow using Doppler ultrasound.<br>3. Understand proper in-plane and out-of-plane needle insertion techniques. | Andrew Rice, DNP, CRNA<br>Daniel Nash, DNAP, CRNA |
| 9:15 – 9:30 am | **Break** | |
| 9:30 – 10:30 am | **Ultrasound Assessment of the Airway and Pleura (1 Class A CE)**<br>Learner Outcomes:<br>1. Identify the sonoanatomy of key anatomic structures in the anterior neck and pleura.<br>2. Demonstrate ultrasound assessment techniques to confirm endotracheal tube placement and location of the cricothyroid membrane.<br>3. Demonstrate a lung ultrasound showing the criteria of the pleura. | Christian Falyar, DNAP, CRNA, FAANA<br>Nicolette Hooge, DNP, MBA, CRNA<br>Scot Pettey, DNAP, CRNA, FAANA<br>Shayne Hauglum, PhD, CRNA, FAANA<br>Jamie Furstein, PhD, CRNA, FAANA<br>Andrew Rice, DNP, CRNA<br>Daniel Nash, DNAP, CRNA |
| 10:30– 11:30 am | **Ultrasound Assessment of Hemodynamic Status and Intracranial Pressure (1 Class A CE)**<br>Learner Outcomes:<br>1. Review the procedure to assess fluid volume status through ultrasound imaging of the inferior vena cava (IVC).<br>2. Determine the fluid volume resuscitation requirements based on IVC assessment.<br>3. Demonstrate proper transducer placement and criteria for normal intracranial pressure using the optic sheath diameter. | Christian Falyar, DNAP, CRNA, FAANA<br>Nicolette Hooge, DNP, MBA, CRNA<br>Scot Pettey, DNAP, CRNA, FAANA<br>Shayne Hauglum, PhD, CRNA, FAANA<br>Jamie Furstein, PhD, CRNA, FAANA<br>Andrew Rice, DNP, CRNA<br>Daniel Nash, DNAP, 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 1044077; Expiration date Friday, August 2, 2024.

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.