

# Spinal/Epidural with Obstetric Essentials Online Modules

**Purpose:** The *Spinal/Epidural with Obstetric Essentials* workshop provides a thorough overview of practice of obstetric anesthesia including hands-on spinal and epidural training. The hybrid format is delivered via online modules and a 1.5 day hands-on workshop.

**Target Audience:** This workshop is for CRNA's interested in developing their skills and knowledge of spinal, epidural and obstetric anesthesia.

**Accreditation Statement:** The online modules have been prior-approved by the American Association of Nurse Anesthesiology. For each individual course accreditation statement, MAC Ed credits or pharmacology credits, and approval codes, please visit the CRNA Education Edge Spinal/Epidural with Obstetrics Essentials Online page.

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

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

**Course Requirements:** As part of the hybrid expectation of this course, registrants MUST complete these 8 hours of prerequisite course work before the participating in the 1.5 day, live, hands-on intensive workshop. It is recommended that attendees set aside 8-10 hours of self-study time to complete these modules. Upon check in on site, staff will verify successful completion of the pre-requisite online modules. If modules have NOT be completed, per the cancellation and agreement policy stated on the registration page and in the course confirmation letter emailed upon successful registration, failure to complete the pre-work will forfeit your place in class. There are NO refunds and no exceptions. The schedule on the following page outlines the topics covered in the 8 MAC Ed credit hours of online work.



## Detailed Online Module Schedule

Course	Credit	Learner Outcome(s)	Faculty
Physiologic Changes of Pregnancy	0.5 MAC Ed credit	Review anatomic and physiologic changes of the parturient.	Beth Ann Clayton, DNP, CRNA, FAAN, FAANA
Surgery During Pregnancy	0.5 MAC Ed credit	Discuss anesthetic considerations for pregnant patients during the antepartum period.	Brian Kasson, DNP, CRNA
Obstetric Anesthesia Considerations I	1 MAC Ed credit	Discuss anesthetic considerations for cesarean delivery and administration of the first-line tocolytic agent.	Thomas Minges, DNP, CRNA; Beth Ann Clayton, DNP, CRNA, FAAN, FAANA
Obstetric Anesthesia Considerations II	0.5 MAC Ed credits	Identify challenging delivery situations and anesthetic implications, including preterm delivery, multiple gestations, instrumented delivery, and shoulder dystocia.	Beth Ann Clayton, DNP, CRNA, FAAN, FAANA
Obstetric Emergencies	1.5 MAC Ed credits	Present evidence-based national protocols for the management of maternal emergencies. Identify challenging maternal emergencies such as hemorrhage, preeclampsia, and cardiac arrest.	Thomas Minges, DNP, CRNA; Beth Ann Clayton, DNP, CRNA, FAAN, FAANA; Franklin McShane, DNP, CRNA
Raising the Bar for Everyone: Maternal Health Disparity	0.5 MAC Ed credits	Discuss maternal health disparity and present opportunities for practice improvement.	Beth Ann Clayton, DNP, CRNA, FAAN, FAANA
Vertebral Anatomy	0.5 MAC Ed credit	Identify the anatomic structures and considerations encountered during the performance of neuraxial anesthesia.	Beth Ann Clayton, DNP, CRNA, FAAN, FAANA
Neuraxial Pharmacology	1 MAC Ed credit	Identify mechanisms and sites of action of local anesthetics used during neuraxial anesthesia. Analyze pharmacological mechanisms, including sodium, potassium, and calcium channel interactions. Apply knowledge of pKa, lipid solubility, and protein binding to optimize drug selection and dosing strategies for obstetric anesthesia while minimizing systemic toxicity risk.	Franklin McShane, DNP, CRNA
Neuraxial Complications	1 MAC Ed credit	Discuss the identification, diagnosis, and treatment of neuraxial complications.	Beth Ann Clayton, DNP, CRNA, FAAN, FAANA; Franklin McShane, DNP, CRNA
Ultrasound Basics	0.5 MAC Ed credit	Present neuraxial ultrasound equipment and image interpretation fundamentals.	Franklin McShane, DNP, CRNA

### Faculty and Planner Disclosures

All presenters and planners of this continuing nursing education activity are required to disclose any significant financial relationship with manufacturers of commercial healthcare products, goods, or services consumed by or used on patients. If any conflict has been disclosed, planners assure that content is unbiased and free of conflict of interest. All planners, authors, and content reviewers have disclosed for this meeting, and there were no commercial interest relationships to declare.

### Six-Month Follow-Up Survey

To help ensure workshop content meets knowledge, skill, competency, and curriculum expectations, participants will be asked to complete a brief follow-up survey 6 months after the workshop. This helps AANA measure changes in practice performance associated with the educational intervention.

### Email Delivery Note

Participants who have opted out of AANA emails will not receive the follow-up email. To request a separate message, email [online-education@aana.com](mailto:online-education@aana.com).