

**Obstetric Anesthesia Fourth Year Elective Rotation**  
**Department of Anesthesiology and Critical Care Medicine**  
**UNM-SOM**

**Educational Goals:**

The UNM Department of Anesthesiology will strive to provide 4<sup>th</sup> year medical students doing this new senior elective anesthesia rotation with a broad range of exposure to the field of Obstetric Anesthesiology. Students who complete their rotation with our department will have a basic understanding of neuraxial labor analgesia techniques and the perioperative management of obstetric patients with emphasis on Cesarean delivery.

**Rotation Director:** Eva E. Szabo, M.D.

**Objectives:**

- Acquire the ability to assess patients pre-operatively.
- Be able to formulate and discuss an anesthetic plan for patients with residents / faculty.
- Be able to formulate a plan for labor analgesia.
- Be able to formulate a plan for relief and prevention of pain during and following surgical or obstetrical procedures.
- Be familiar with commonly used noninvasive monitors, and how to interpret them.
- Learn the fundamental skills of anesthetic management of laboring patients and patients under spinal anesthesia in the obstetric setting.

**Clinical Curriculum:**

During the course of the elective rotation, the student will be required to participate in patient care in:

Preoperative evaluations  
Anesthesia consultations  
Neuraxial labor analgesia  
Neuraxial anesthesia  
Basics of management of caesarean sections  
Post-caesarean pain management techniques and follow-ups  
Post-epidural follow-ups  
Basics of anesthesia recovery  
Criteria for PACU discharge

**Simulation:**

Every rotating student will have the opportunity to practice the spinal anesthesia technique on a mannequin in the BATCAVE.

When other students rotate on the Anesthesiology sub-internship rotation, the student on this elective rotation will be given the opportunity to join the other students for their simulation session in the BATCAVE.

**Clinical skills:**

The student may be given the opportunity to perform spinal and epidural anesthesia when appropriate.

**The following topics will be covered in detail:**

Maternal physiology  
Regional analgesia for labor and delivery  
Complications of neuraxial anesthesia  
Most common emergencies: emergency Cesarean delivery and postpartum hemorrhage  
Anesthesia for Cesarean delivery  
Anesthesia for postpartum tubal ligation  
Preeclampsia  
Obesity  
Diabetes mellitus

**Required reading:** Clinical Anesthesiology by Morgan and Mikhail (or any other basic anesthesiology text book), chapter on obstetric anesthesia. Textbooks are available from the Department of Anesthesiology library and online resources from the HSC Library.

[The risk of cesarean delivery with neuraxial analgesia given early versus late in labor.](#)

Wong CA, Scavone BM, Peaceman AM, McCarthy RJ, Sullivan JT, Diaz NT, Yaghmour E, Marcus RJ, Sherwani SS, Sproviero MT, Yilmaz M, Patel R, Robles C, Grouper S.

N Engl J Med. 2005 Feb 17;352(7):655-65.

PMID: 15716559 [PubMed - indexed for MEDLINE]

[Early compared with late neuraxial analgesia in nulliparous labor induction: a randomized controlled trial.](#)

Wong CA, McCarthy RJ, Sullivan JT, Scavone BM, Gerber SE, Yaghmour EA.

Obstet Gynecol. 2009 May;113(5):1066-74. doi: 10.1097/AOG.0b013e3181a1a9a8.

PMID: 19384122 [PubMed - indexed for MEDLINE]

Other reading material (articles) will be provided during the rotation.

**Evaluation:**

Evaluation will be based on observation. A form will be filled out by the anesthesia faculty and residents the students identify and collected by the rotation director. The standard UNM SOM Student Evaluation Form will be completed by the rotation director.

September 13, 2014