Educational Goals:

The UNM Department of Anesthesiology will strive to provide 4th 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.
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.
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