

Workshop for SPA/AAP Pediatric Anesthesiology 2015

Fetal Interventions: Coming to a Center Near You

Learning Objectives:

Upon completion of this workshop, participants will be able to:

1. Compare the organizational structure of successful maternal fetal programs in the United States.
2. Discuss the role of the anesthesiologist in the multidisciplinary approach to the fetal patient.
3. Describe anesthetic techniques for common minimally invasive and fetoscopic interventions.
4. Summarize key anesthetic considerations during EXIT procedures and open fetal surgery.
5. Recognize maternal complications during fetal interventions and describe their management.

Description:

Advances in the field of prenatal diagnosis and improvements in minimally invasive techniques has resulted in more fetal interventions being performed successfully. Advanced fetal interventions such as the EXIT procedure have become more common outside of academic fetal care centers and requires significant multidisciplinary coordination to optimize outcomes. This workshop will provide an overview of the organizational and governance structure of successful maternal fetal programs, emphasizing the role of the anesthesiologist in the multidisciplinary approach to these complex cases. Case-based discussions will highlight key anesthetic considerations during EXIT and open fetal surgeries. Potential complications during fetal interventions and their management strategies will also be discussed.

The two-hour workshop will be divided into four topics. Each topic will include a brief case-based presentation followed by an interactive discussion and audience questions. Topics for discussion include:

1. **“Organizational Structure of Fetal Anesthesia Programs”**- Anne C. Boat, M.D., Cincinnati Children’s Hospital Medical Center, Cincinnati, OH.
2. **“Anesthesia for Open Fetal Surgery”**- Olutoyin A. Olutoye, M.D., FAAP, Texas Children’s Hospital, Houston, TX.
3. **“Anesthesia for EXIT Procedures”**- Kha M. Tran, M.D., Children’s Hospital of Philadelphia, Philadelphia, PA.
4. **“Twin-to-twin Transfusion Syndrome”**- Marla Ferschl, M.D., University of California San Francisco, San Francisco, CA

Workshop Co-ordinator: Debnath Chatterjee, M.D., Children’s Hospital Colorado, University of Colorado, Aurora, CO.