Lecture Topics and Content Specifications for Combined Obstetrics and Anesthesia Conference

Conference time: 7:45 am – 8:30 am on the 3rd Friday of each month.

N.B.: Multidisciplinary Perinatal Safety Round will start at 8:30 am.

Location: 2nd floor Postpartum Conference room at Tulane Lakeside Hospital for Women and Children

Presenters: Obstetrics resident and Anesthesiology resident

Format:

1. Discussion on perinatal safety issues for each month and areas for improvement

2. Discussion on up-coming High-risk Obstetrical and Gynecological patients for surgery that month

3. Obstetrics and Anesthesiology resident will present their respective specialty view points on the assigned topic (10 minutes for each presentation)

1. July 2016
   Topic: Patient Safety and Team Training
   a. Patient Safety (MK, SBP,P)
   b. Teams and Teamwork (MK, SBP,P)
   c. Team leadership (MK, SBP,IC,P)
   d. High Reliability Organizations and Teams (MK, SBP)
   e. Team Training (MK, SBP,IC,P)
   f. Simulation-based training in Obstetrics (MK)
   g. Team Training in Obstetrics (MK, SBP,P,IC)

2. August 2016
   Topic: Practice Guidelines for Obstetric Anesthesia. An updated report by the American Society of Anesthesiologists Task Force on Obstetric Anesthesia
   a. Definition of Perioperative Obstetric Anesthesia (MK, PC)
   b. Perianesthetic Evaluation (MK, PC)
   c. Aspiration prevention (MK, PC)
d. Anesthetic Care for Labor and Vaginal delivery (MK, PC)
e. Removal of retained placenta (MK, PC)
f. Anesthetic choices for Cesarean delivery (MK, PC)
g. Postpartum tubal ligation (MK, PC)
h. Management of Obstetric and Anesthetic emergencies (MK, PC, SPB)

3. September 2016
Topic: Obstetrics Trauma
a. New strategies in resuscitation (MK, PC)
b. ABC’s of resuscitation (MK, PC)
c. Maternal monitoring (MK, PC)
d. Fetal monitoring (MK, PC)
e. Diagnostic tests (MK, PC)
f. Evacuation of the uterus
g. Cardiac arrest and perimortem cesarean delivery (MK, PC, IC, SBP, P)

4. October 2016
Topic: Non-obstetric Surgery during pregnancy
a. Altered maternal physiology (MK)
b. Fetal considerations (MK, PC)
   i. Risk of teratogenicity
   ii. Fetal effects of anesthesia
   iii. Prevention of preterm labor
c. Timing of surgery (MK, PC)
d. Abdominal emergencies (MK, PC)
e. Laparoscopy (MK, PC)
f. Fetal monitoring during surgery (MK, PC)
g. Anesthetic management: (MK, PC, P, IC))
   i. Preoperative management
   ii. Choice of anesthesia
   iii. Prevention of aortocaval compression
   iv. Monitoring
v. Anesthetic techniques

h. Post-operative management (MK, PC)

5. November 2016
Topic: Obesity
a. Physiologic changes of obesity (MK, PC)
b. Interaction with pregnancy (MK, PC)
c. Anesthetic management (MK, PC,PBL)
d. Post-operative complications (MK, PC,PBL)

6. December 2016
Topic: Anesthesia for women with preeclampsia and eclampsia
1. Obstetrics management of preeclampsia and eclampsia (MK, PC, IC)
2. Complications of preeclampsia (MK, PC)
3. Anesthetic management (MK, PC)
   i. Preanesthetic evaluation
   ii. Neuraxial analgesia for labor and delivery
   iii. Intravenous hydration
   iv. Treatment of hypotension
   v. General anesthesia
4. Post-partum management (MK, PC)

7. January 2017 – no conference due to OB resident taking CREOG exam

8. February 2017
Topic: Neurologic complications of labor, delivery, and regional anesthesia
a. Intrinsic obstetric paralysis: compression nerve injuries, preanesthetic evaluation (MK, PC)
b. Ischemic injury to the spinal cord (MK, PC)
c. Intracranial complications (MK, PC)
d. Backache (MK, PC)
e. Neurological complications of regional anesthesia (MK, PC,P,IC)
f. Risk management (MK, PC,SBP, IC,P)
9. March 2017
Topic: Coagulation disorder

10. Understand the thrombotic and thrombolytic pathways (MK)

11. Assessment of coagulation (MK, PC)

12. Discuss thrombocytopenic coagulopathies: Autoimmune thrombocytopenic purpura, thrombotic thrombocytopenic purpura, and drug-induced platelet disorders (MK, PC)

13. Discuss congenital coagulopathies: von Willebrand disease and other coagulation factor deficiencies (MK, PC)

14. Discuss acquired coagulopathies: DIC, therapeutic anticoagulation (MK, PC)

15. Discuss regional anesthesia in the patient with ongoing coagulopathy (MK, PC)


17. April 2017
Topic: Musculoskeletal disorders

Discuss obstetric and anesthetic management of:

a. Gestational back pain (MK, PC)

b. Chronic low back pain (MK, PC)

c. Postpartum backache (MK, PC)

d. Scoliosis (MK, PC)

e. Rheumatoid arthritis (MK, PC)

f. Spina bifida (MK, PC)

g. Osteogenesis imperfect (MK, PC)

h. Ankylosing spondylitis (MK, PC)

18. May 2017
Topic: Cardiovascular disease

a. Congenital heart disease (MK, PC, PBL)

b. Ischemic heart disease (MK, PC, PBL)

c. Arrhythmias (MK, PC, PBL)
d. Peripartum cardiomyopathy (MK, PC,PBL)

e. Pregnant patient with a transplanted heart (MK, PC, IC,PBL)

12. June 2017 – NO conference – OB-GYN Annual Resident Research Presentation and Graduation

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<thead>
<tr>
<th>MK – Medical knowledge</th>
<th>PC – Patient care</th>
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<tbody>
<tr>
<td>IC – Interpersonal skills &amp; Communication</td>
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<tr>
<td>PBL – Practice-based learning</td>
<td>SBP – System based practice</td>
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