

***Part I: Introduction***

***1. The History of Obstetric Anesthesia***

**Part II: Maternal and Fetal Physiology**

***2. Physiologic Changes of Pregnancy***

***3. Uteroplacental Blood Flow***

***4. The Placenta: Anatomy, Physiology, and Transfer of Drugs***

***5. Fetal Physiology***

**Part III: Fetal and Neonatal Assessment and Therapy**

***6. Antepartum Fetal Assessment and Therapy***

***7. Anesthesia for Fetal Surgery and Other Intrauterine Procedures***

***8. Intrapartum Fetal Assessment and Therapy***

***9. Neonatal Assessment and Resuscitation***

***10. Fetal and Neonatal Neurologic Injury***

**Part IV: Foundations in Obstetric Anesthesia**

***11. Patient Safety and Team Training***

***12. Spinal, Epidural, and Caudal Anesthesia: Anatomy, Physiology, and Technique***

***13. Local Anesthetics and Opioids***

**Part V: Anesthesia Before and During Pregnancy**

***14. Pharmacology and Nonanesthetic Drugs During Pregnancy and Lactation***

***15. In Vitro Fertilization and Other Assisted Reproductive Technology***

***16. Problems of Early Pregnancy***

***17. Nonobstetric Surgery during Pregnancy***

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- 18. Obstetric Management of Labor and Vaginal Delivery*
- 19. Trial of Labor and Vaginal Birth after Cesarean Delivery*
- 20. The Pain of Childbirth and its Effect on the Mother and the Fetus*
- 21. Childbirth Preparation and Nonpharmacologic Analgesia*
- 22. Systemic Analgesia: Parenteral and Inhalational Agents*
- 23. Epidural and Spinal Analgesia/ Anesthesia for Labor and Vaginal Delivery*
- 24. Alternative Regional Analgesic Techniques for Labor and Vaginal Delivery*
- 25. Postpartum Tubal Sterilization*

**Part VII: Cesarean Delivery**

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- 27. Postoperative Analgesia*

**Part VIII: Anesthetic Complications**

- 28. Aspiration: Risk, Prophylaxis, and Treatment*
- 29. The Difficult Airway: Risk, Assessment, Prophylaxis, and Management*
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- 31. Neurologic Complications of Pregnancy and Neuraxial Anesthesia*
- 32. Shared Decision-Making in Obstetric Anesthesia*

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- 33. Preterm Labor and Delivery*
- 34. Abnormal Presentation and Multiple Gestation*
- 35. Hypertensive Disorders*
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- 37. Antepartum and Postpartum Hemorrhage*

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*40. Autoimmune Disorders*

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*44. Hematologic and Coagulation Disorders*

*45. Liver Disease*

*46. Malignant Hyperthermia*

*47. Musculoskeletal Disorders*

*48. Neurologic and Neuromuscular Disease*

*49. Obesity*

*50. Psychiatric Disorders*

*51. Renal Disease*

*52. Respiratory Disease*

*53. Substance Abuse*

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**Appendices**

*Appendix A: American Society of Anesthesiologist Guidelines for Neuraxial Anesthesia in Obstetrics*

*Appendix B: Practice Guidelines for Obstetric Anesthesia: An updated report by The American Society of Anesthesiologists Task Force on Obstetric Anesthesia and the Society for Obstetric Anesthesia and Perinatology*

*Appendix C: Optimal Goals for Anesthesia Care in Obstetrics*

*Appendix D: Information Technology Resources for Obstetric Anesthesia  
Providers*