Contents

Preface to the Fifth Edition ............... v
Preface to the First Edition ............... vii

1. Maternal Physiological Changes During Pregnancy, Labor, and the Postpartum Period .......... 1

2. Local Anesthetic Pharmacology .......... 15

3. Perinatal Pharmacology ................. 29

4. Drug Interactions and Obstetric Anesthesia . 41

5. Uteroplacental Blood Flow ............... 65

6. Pain of Labor and Delivery ............... 81

7. Non-pharmacological Methods for Relief of Labor Pain ............... 85

8. Relief of Labor Pain by Systemic Medications and Inhalational Agents ............. 95

9. Relief of Labor Pain by Regional Analgesia/Anesthesia ............... 107

10. Effects of Epidural Analgesia on Labor and the Infant ............... 151

11. Fetal Monitoring ............... 163

12. Anesthesia for Cesarean Delivery ............... 179
13. Neonatal Resuscitation .......................... 231
14. High-Risk Pregnancy: Maternal Comorbidity 249
15. High-Risk Pregnancy: Pregnancy-Related Problems ............... 303
16. Non-delivery Obstetric Procedures ........................ 357
17. Anesthesia for Nonobstetric Surgery During Pregnancy ............. 369
18. Assisted Reproductive Technology ........................... 387
19. Maternal Mortality and Morbidity ............................. 399

Appendix A: Guidelines for Regional Anesthesia in Obstetrics ............... 405

Appendix B: Practice Guidelines for Obstetric Anesthesia ................. 409

Appendix C: Optimal Goals for Anesthesia Care in Obstetrics ............ 447

Index ......................................................... 453
Obstetric Anesthesia Handbook
Datta, S.; Kodali, B.S.; Segal, S.
2010, VII, 470 p. 70 illus., Softcover