

PART 1 Gases and Ventilation

- 1. Medical Gases: Storage and Supply 3***
- 2. The Anesthesia Machine and Workstation 25***
- 3. Anesthesia Vaporizers 66***
- 4. Breathing Circuits 100***
- 5. Waste Anesthetic Gases and Scavenging Systems 125***
- 6. Anesthesia Ventilators 149***
- 7. Humidification and Filtration 183***

PART 2 System Monitors

- 8. Respiratory Gas Monitoring 195***
- 9. Monitoring Ventilation 218***

PART 3 Patient Monitors

- 10. Capnography 239***
- 11. Pulse Oximetry 253***
- 12. Hemodynamic Monitoring 271***
- 13. Temperature Monitoring 287***

PART 4 Other Equipment

- 14. Airway Equipment 307***
- 15. Preventing Transmission of Infectious Diseases 332***
- 16. Infusion Pumps 351***

PART 5 Vigilance, Alarms, and Ergonomics

- 17. Vigilance, Alarms, and Integrated Monitoring Systems 371***
- 18. Ergonomics of the Anesthesia Workspace 407***

PART 6 Special Conditions

- 19. Closed-Circuit Anesthesia 433***
- 20. Anesthesia Delivery in the MRI Environment 453***
- 21. Anesthesia at High Altitude 468***
- 22. Anesthesia in Difficult Locations and in Developing Countries 479***

PART 7 Safety, Standards, and Quality

- 23. Hazards of the Anesthesia Delivery System 489***
- 24. Electrical and Fire Safety 526***
- 25. Machine Checkout and Quality Assurance 559***
- 26. Risk Management and Medicolegal Aspects of Anesthesia Equipment Use 584***
- 27. Standards and Regulatory Considerations 593***