

Section 1: General Information

Chapter 1. Demographics and Economics Section 2: Aging and Its Effects on Organ Reserve

Chapter 2. Mechanisms of Aging

Chapter 3. Central/peripheral nervous System

Chapter 4. Cardiovascular System

Chapter 5. Pulmonary System

Chapter 6. Endocrine System

Chapter 7. Urinary/Hepatic Systems Section 3: Pharmacology

Chapter 8. Intravenous agents

Chapter 9. Inhalational agents

Chapter 10. Local anesthetics

Section 4: Preoperative Assessment

Chapter 11. Age and Anesthetic risk

Chapter 12. Issues of specific importance to the elderly in Preoperative Assessment

Chapter 13. Polypharmacy

Chapter 14. Outpatient Surgery Assessment

Chapter 15. Emergency and Trauma Surgery Assessment

Section 5: Controversies in Intraoperative Management

Chapter 16. Role of invasive monitoring in the elderly

Chapter 17. Thermoregulation

Chapter 18. Hemodilution

Chapter 19. Beta blockade

Chapter 20. BIS monitoring

Chapter 21. The controversy of regional vs general anesthesia in surgical outcome

Section 6 Postoperative Issues specific to the Elderly

Chapter 22. Delirium/Post operative Cognitive Dysfunction

Chapter 23. Post Anesthesia Care Unit (PACU)

Chapter 24. Intensive Care Unit

Chapter 25. Assessment and Management of Acute Pain in the Elderly

Chapter 26. Assessment and Management of chronic pain and palliative care

Section 7: Special topics

Chapter 27. Perioperative care of the patient with dementia/cognitive dysfunction

Chapter 28. Medical ethics