

PART I: PERIOPERATIVE CARE

Chapter 1. Surgical History and Physical Examination

Chapter 2. Fluids and Electrolytes

Chapter 3. Nutrition

Chapter 4. Wound Healing

Chapter 5. Surgical Risk Assessment

Chapter 6. Suture Types, Needle Types, and Instruments

PART II: ANESTHESIA

Chapter 7. Local Anesthesia

Chapter 8. Conscious Sedation

PART III: SURGICAL CRITICAL CARE

Chapter 10. Surgical Infection

Chapter 11. Hemorrhage and Coagulation

Chapter 12. Shock

Chapter 13. Cardiopulmonary Monitoring

Chapter 14. Mechanical Ventilation

PART IV: TRAUMA SURGERY

Chapter 15. Primary and Secondary Survey

Chapter 16. Abdominal Trauma

Chapter 17. Thoracic Trauma

Chapter 18. Extremity Trauma

Chapter 19. Burns

Chapter 20. Neurosurgical Emergencies **PART V: GASTROINTESTINAL SURGERY**

Chapter 21. Acute Abdomen

Chapter 22. Abdominal Wall Hernias

Chapter 23. Gastrointestinal Bleeding

Chapter 24. Intestinal Obstruction

Chapter 25. Peptic Ulcer Disease

Chapter 26. Inflammatory Bowel Disease

Chapter 28. Benign Colorectal Disease

Chapter 29. Appendix

Chapter 30. Benign Pancreatic Disease

Chapter 32. Bariatric Surgery

PART VI: SURGICAL ONCOLOGY

Chapter 33. Tumor Biology, Syndromes, and Genetic Mutations

Chapter 34. Head and Neck Malignancy

Chapter 35. Esophageal Malignancy

Chapter 36. Gastric Malignancy

Chapter 37. Small Bowel Malignancy

Chapter 38. Malignant Colorectal and Perianal Disease

Chapter 39. Malignant Pancreas Disease

Chapter 40. Diseases of the Breast

Chapter 41. Malignant Skin Lesions

PART VI: HEPATOBILIARY SURGERY

Chapter 43. Malignant Gallbladder and Biliary Tree

Chapter 45. Liver Tumors

PART VIII: TRANSPLANT SURGERY

Chapter 46. Renal Transplantation

Chapter 47. Liver Transplantation

Chapter 48. Pancreas Transplantation

PART IX: ENDOCRINE SURGERY

Chapter 49. Thyroid

Chapter 50. Parathyroid

Chapter 51. Adrenal Gland

Chapter 52. Neuroendocrine Tumors

PART X: VASCULAR SURGERY

Chapter 53. Thromboembolic Disease

Chapter 54. Aneurysms

Chapter 55. Peripheral Vascular Disease

Chapter 56. Carotid Disease

Chapter 57. Mesenteric Ischemia

Chapter 58. Dialysis Access

Chapter 59. Diabetic Patient

PART XI: CARDIOTHORACIC SURGERY

Chapter 60. Benign Tumors of the Lung

Chapter 61. Malignant Tumors of the Lung

Chapter 62. Thymus and Mediastinal Tumors

Chapter 63. Cardiac Surgery

Chapter 64. Cardiac Transplantation

PART XII: SURGICAL SUBSPECIALTIES

Chapter 65. General Pediatric Surgery

Chapter 66. Neurosurgery

Chapter 67. Orthopedic Surgery

Chapter 68. Plastic Surgery: Breast Reconstruction

PART XIII: FUTURE OF SURGERY

Chapter 69. Robotics and New Surgical Technologies

PART XIV: PROCEDURES

Chapter 70. Procedures

PART XV: RAPID REFERENCES

Chapter 71. Rapid References