

## **Table of Contents:**

### Part 1: General Surgical Principles

1. Principles of Surgical Asepsis
2. Care and Handling of Surgical Equipment and Supplies
3. Surgical Facilities and Maintenance of the Surgical Environment
4. Preoperative and Intraoperative Care of the Surgical Patient
5. Preparation of the Operative Site
6. Preparation of the Surgical Team
7. Surgical Instrumentation
8. Biomaterials, Suturing and Suture Patterns
9. Surgical Infections and Antibiotic Selection
10. Nutritional Management of the Surgical Patient
11. Fundamentals of Physical Rehabilitation
12. Principles of Anesthesia and Anesthetics
13. Pain Management and Acupuncture
14. Principles of Minimally Invasive Surgery and Regenerative Medicine

### Part II: Soft Tissue Surgery

15. Surgery of the Integumentary System
16. Surgery of the Eye
17. Surgery of the Ear
18. Surgery of the Digestive System
19. Surgery of the Liver
20. Surgery of the Extrahepatic Biliary System
21. Surgery of the Endocrine System
22. Surgery of the Hemolymphatic System
23. Surgery of the Kidney and Ureter
24. Surgery of the Bladder  
and Urethra
25. Surgery of the Reproductive and Genital Systems
26. Surgery of the Cardiovascular System
27. Surgery of the Upper Respiratory System
28. Surgery of the Lower Respiratory System: Lungs and Thoracic Wall
29. Surgery of the Lower Respiratory System: Pleural Cavity and  
Diaphragm

### Part III: Orthopedics

30. Fundamentals of Orthopedic Surgery and Fracture Management
31. Management of Specific Fractures
32. Diseases of the Joints
33. Management of Muscle and Tendon Injury or Disease
34. Other Diseases of Bones and Joints

### Part IV: Neurosurgery

35. Neurodiagnostic Overview for the Small Animal Surgeon
36. Neurologic Examination and Relevant Neuroanatomy
37. Surgery of the Brain
38. Surgery of the Cervical Spine
39. Surgery of the Thoracolumbar Spine
40. Surgery of the Cauda Equina
41. Nonsurgical Disorders of the Brain and Spine
42. Peripheral Nervous System Disorders