

## **I Introduction to Medicine**

1. Introduction to Medicine

## **II Cardiovascular Disease**

2. Structure and Function of the Normal Heart and Blood Vessels
3. Evaluation of the Patient with Cardiovascular Disease
4. Diagnostic Tests and Procedures in the Patient with Cardiovascular Disease
5. Heart Failure and Cardiomyopathy
6. Congenital Heart Disease
7. Valvular Heart Disease
8. Coronary Heart Disease
9. Cardiac Arrhythmias
10. Pericardial and Myocardial Disease
11. Other Cardiac Topics
12. Vascular Diseases and Hypertension

## **III Pulmonary and Critical Care Medicine**

13. Lung in Health and Disease
14. General Approach to Patients with Respiratory Disorders
15. Evaluating Lung Structure and Function
16. Obstructive Lung Diseases
17. Interstitial Lung Diseases
18. Pulmonary Vascular Diseases
19. Disorders of the Pleura, Mediastinum, and Chest Wall
20. Respiratory Failure
21. Transitions in Care from Pediatric to Adult Providers for Individuals with Pulmonary Disease

## **IV Preoperative and Postoperative Care**

22. Preoperative and Postoperative Care

## **V Renal Disease**

23. Renal Structure and Function
24. Approach to the Patient with Renal Disease

25. Fluid and Electrolyte Disorders
26. Glomerular Diseases
27. Major Nonglomerular Disorders of the Kidney
28. Vascular Disorders of the Kidney
29. Acute Kidney Injury
30. Chronic Kidney Disease

#### **VI Gastrointestinal Disease**

31. Common Clinical Manifestations of Gastrointestinal Disease: Abdominal Pain
32. Common Clinical Manifestations of Gastrointestinal Disease: Gastrointestinal Hemorrhage
33. Common Clinical Manifestations of Gastrointestinal Disease: Malabsorption
34. Common Clinical Manifestations of Gastrointestinal Disease: Diarrhea
35. Endoscopic and Imaging Procedures
36. Esophageal Disorders
37. Diseases of the Stomach and Duodenum
38. Inflammatory Bowel Disease
39. Diseases of the Pancreas

#### **VII Diseases of the Liver and Biliary System**

40. Laboratory Tests in Liver Disease
41. Jaundice
42. Acute and Chronic Hepatitis
43. Acute Liver Failure
44. Cirrhosis of the Liver and Its Complications
45. Disorders of the Gallbladder and Biliary Tract

#### **VIII Hematologic Disease**

46. Hematopoiesis and Hematopoietic Failure
47. Clonal Disorders of the Hematopoietic Stem Cell
48. Disorders of Red Blood Cells
49. Clinical Disorders of Neutrophils
50. Disorders of Lymphocytes

- 51. Normal Hemostasis
- 52. Disorders of Hemostasis: Bleeding
- 53. Disorders of Hemostasis: Thrombosis

### **IX Oncologic Disease**

- 54. Cancer Biology and Etiologic Factors
- 55. Cancer Epidemiology and Cancer Prevention
- 56. Principles of Cancer Therapy
- 57. Lung Cancer
- 58. Gastrointestinal Cancers
- 59. Genitourinary Cancers
- 60. Breast Cancer
- 61. Gynecological Cancer
- 62. Other Solid Tumors (Head and Neck, Sarcomas, Melanoma, Unknown Primary)
- 63. Complications of Cancer and Cancer Treatment

### **X Endocrine Disease and Metabolic Disease**

- 64. Hypothalamic-Pituitary Axis
- 65. Thyroid Gland
- 66. Adrenal Gland
- 67. Male Reproductive Endocrinology
- 68. Diabetes Mellitus, Hypoglycemia
- 69. Obesity
- 70. Malnutrition, Nutritional Assessment, and Nutritional Support in Adult Patients
- 71. Disorders of Lipid Metabolism

### **XI Women's Health**

- 72. Women's Health Topics

### **XII Men's Health**

- 73. Men's Health Topics

### **XIII Diseases of Bone and Bone Mineral Metabolism**

- 74. Normal Physiology of Bone and Mineral Homeostasis
- 75. Disorders of Serum Minerals
- 76. Metabolic Bone Diseases
- 77. Osteoporosis

### **XIV Musculoskeletal and Connective Tissue Disease**

- 78. Approach to the Patient with Rheumatic Disease
- 79. Rheumatoid Arthritis
- 80. Spondyloarthropathies
- 81. Systemic Lupus Erythematosus
- 82. Systemic Sclerosis
- 83. Systemic Vasculitis
- 84. Crystal Arthropathies
- 85. Osteoarthritis
- 86. Nonarticular Soft Tissue Disorders
- 87. Rheumatic Manifestations of Systemic Disorders and Sjögren's Syndrome

### **XV Infectious Disease**

- 88. Host Defenses Against Infection
- 89. Laboratory Diagnosis of Infectious Diseases
- 90. Fever and Febrile Syndromes
- 91. Bacteremia and Sepsis Syndromes
- 92. Infections of the Central Nervous System
- 93. Infections of the Head and Neck
- 94. Infections of the Lower Respiratory Tract
- 95. Infections of the Heart and Blood Vessels
- 96. Acute Bacterial Skin and Skin Structure Infections
- 97. Intra-Abdominal Infections
- 98. Infectious Diarrhea
- 99. Infections Involving Bones and Joints

- 100. Infections of the Urinary Tract
- 101. Health Care-Associated Infections
- 102. Sexually Transmitted Infections
- 103. Human Immunodeficiency Virus Infection
- 104. Infections in the Immunocompromised Host
- 105. Infectious Diseases of Travelers: Protozoal and Helminthic Infections

**XVI Neurologic Disease**

- 106. Neurologic Evaluation of the Patient
- 107. Disorders of Consciousness
- 108. Disorders of Sleep
- 109. Cortical Syndromes
- 110. Dementia and Memory Disturbances
- 111. Major Disorders of Mood, Thoughts, and Behavior
- 112. Autonomic Nervous System Disorders
- 113. Headache, Neck and Back Pain, and Cranial Neuralgias
- 114. Disorders of Vision and Hearing
- 115. Dizziness and Vertigo
- 116. Disorders of the Motor System
- 117. Congenital, Developmental, and Neurocutaneous Disorders
- 118. Cerebrovascular Disease
- 119. Traumatic Brain Injury and Spinal Cord Injury
- 120. Epilepsy
- 121. Central Nervous System Tumors
- 122. Demyelinating and Inflammatory Disorders
- 123. Neuromuscular Diseases: Disorders of the Motor Neuron and Plexus and Peripheral Nerve Disease
- 124. Muscle Diseases
- 125. Neuromuscular Junction Disease

**XVII Geriatrics**

126. The Aging Patient

**XVIII Palliative Care**

127. Palliative Care

**XIX Alcohol and Substance Use**

128. Alcohol and Substance Use