

# **Contents\***

## **General Pathology**

- 1 Cellular Responses to Stress and Toxic Insults: Adaptation, Injury, and Death 3**
- 2 Acute and Chronic Inflammation 43**
- 3 Tissue Renewal, Repair, and Regeneration 79**
- 4 Hemodynamic Disorders, Thromboembolic Disease, and Shock 111**  
Richard N. Mitchell
- 5 Genetic Disorders 135**
- 6 Diseases of the Immune System 183**
- 7 Neoplasia 259**  
Thomas P. Stricker • Vinay Kumar
- 8 Infectious Diseases 331**  
Alexander J. McAdam • Arlene H. Sharpe
- 9 Environmental and Nutritional Diseases 399**
- 10 Diseases of Infancy and Childhood 447**  
Anirban Maitra

## **Systemic Pathology: Diseases of Organ Systems**

- 11 Blood Vessels 487**  
Richard N. Mitchell • Frederick J. Schoen
- 12 The Heart 529**  
Frederick J. Schoen • Richard N. Mitchell
- 13 Diseases of White Blood Cells, Lymph Nodes, Spleen, and Thymus 589**

- 14 Red Blood Cell and Bleeding Disorders 639**
- 15 The Lung 677**  
Aliya N. Husain
- 16 Head and Neck 739**  
Mark W. Lingen
- 17 The Gastrointestinal Tract 763**  
Jerrold R. Turner
- 18 Liver and Biliary Tract 833**  
James M. Crawford • Chen Liu
- 19 The Pancreas 891**  
Ralph H. Hruban • Christine Iacobuzio-Donahue
- 20 The Kidney 905**  
Charles E. Alpers
- 21 The Lower Urinary Tract and Male Genital System 971**  
Jonathan I. Epstein
- 22 The Female Genital Tract 1005**  
Lora Hedrick Ellenson • Edyta C. Pirog
- 23 The Breast 1065**  
Susan C. Lester
- 24 The Endocrine System 1097**  
Anirban Maitra
- 25 The Skin 1165**  
Alexander J.F. Lazar • George F. Murphy
- 26 Bones, Joints, and Soft Tissue Tumors 1205**  
Andrew E. Rosenberg
- 27 Peripheral Nerve and Skeletal Muscle 1257**  
Douglas C. Anthony • Matthew P. Frosch • Umberto De Girolami
- 28 The Central Nervous System 1279**  
Matthew P. Frosch • Douglas C. Anthony • Umberto De Girolami
- 29 The Eye 1345**  
Robert Folberg
- Index 1369**