

Contributors
Preface
Acknowledgments

SECTION 1 Care of the Hospitalized Patient

- 1 Electrolytes
- 2 Acid-Base Disorders
- 3 Diagnostic Imaging in Internal Medicine
- 4 Procedures Commonly Performed by Internists
- 5 Principles of Critical Care Medicine
- 6 Pain and Its Management
- 7 Assessment of Nutritional Status
- 8 Enteral and Parenteral Nutrition
- 9 Transfusion and Pheresis Therapy
- 10 Palliative and End-of-Life Care

SECTION 2 Medical Emergencies

- 11 Cardiovascular Collapse and Sudden Death
- 12 Shock
- 13 Narcotic Overdose
- 14 Sepsis and Septic Shock
- 15 Acute Pulmonary Edema
- 16 Acute Respiratory Distress Syndrome
- 17 Respiratory Failure
- 18 Confusion, Stupor, and Coma
- 19 Stroke
- 20 Subarachnoid Hemorrhage
- 21 Increased Intracranial Pressure and Head Trauma
- 22 Spinal Cord Compression
- 23 Hypoxic-Ischemic Encephalopathy
- 24 Status Epilepticus
- 25 Diabetic Ketoacidosis and Hyperosmolar Coma
- 26 Hypoglycemia
- 27 Oncologic Emergencies
- 28 Anaphylaxis
- 29 Bites, Venoms, Stings, and Marine Poisonings

SECTION 3 Common Patient Presentations

- 30 Fever, Hyperthermia, and Rash
- 31 Generalized Fatigue
- 32 Unintentional Weight Loss
- 33 Chest Pain
- 34 Palpitations
- 35 Dyspnea
- 36 Cyanosis
- 37 Cough and Hemoptysis

- 38 Edema
- 39 Abdominal Pain
- 40 Nausea, Vomiting, and Indigestion
- 41 Dysphagia
- 42 Diarrhea, Malabsorption, and Constipation
- 43 Gastrointestinal Bleeding
- 44 Jaundice and Evaluation of Liver Function
- 45 Ascites
- 46 Lymphadenopathy and Splenomegaly
- 47 Anemia and Polycythemia
- 48 Azotemia and Urinary Abnormalities
- 49 Pain and Swelling of Joints
- 50 Back and Neck Pain
- 51 Headache
- 52 Syncope
- 53 Dizziness and Vertigo
- 54 Acute Visual Loss and Double Vision
- 55 Weakness and Paralysis
- 56 Tremor and Movement Disorders
- 57 Aphasia
- 58 Sleep Disorders

SECTION 4 Otolaryngology

- 59 Sore Throat, Earache, and Upper Respiratory Symptoms

SECTION 5 Dermatology

- 60 General Examination of the Skin
- 61 Common Skin Conditions

SECTION 6 Hematology and Oncology

- 62 Examination of Blood Smears and Bone Marrow
- 63 Red Blood Cell Disorders
- 64 Leukocytosis and Leukopenia
- 65 Bleeding and Thrombotic Disorders
- 66 Myeloid Leukemias, Myelodysplasia, and Myeloproliferative Syndromes
- 67 Lymphoid Malignancies
- 68 Skin Cancer
- 69 Head and Neck Cancer
- 70 Lung Cancer
- 71 Breast Cancer
- 72 Tumors of the Gastrointestinal Tract
- 73 Genitourinary Tract Cancer
- 74 Gynecologic Cancer
- 75 Tumors of the Nervous System
- 76 Prostate Hyperplasia and Carcinoma
- 77 Cancer of Unknown Primary Site

- 78 Paraneoplastic Endocrine Syndromes
- 79 Neurologic Paraneoplastic Syndromes

SECTION 7 Infectious Diseases

- 80 Growing Threats in Infectious Disease
- 81 Infections Acquired in Health Care Facilities
- 82 Infections in the Immunocompromised Host
- 83 Infective Endocarditis
- 84 Intraabdominal Infections
- 85 Infectious Diarrheas and Bacterial Food Poisoning
- 86 Sexually Transmitted and Reproductive Tract Infections
- 87 Infections of the Skin, Soft Tissues, Joints, and Bones
- 88 Pneumococcal Infections
- 89 Staphylococcal Infections
- 90 Streptococcal/Enterococcal Infections, Diphtheria, and Infections Caused by Other Corynebacteria and Related Species
- 91 Meningococcal and Listerial Infections
- 92 Infections Caused by Haemophilus, Bordetella, Moraxella, and HACEK Group Organisms
- 93 Diseases Caused by Gram-Negative Enteric Bacteria and Pseudomonads
- 94 Infections Caused by Miscellaneous Gram-Negative Bacilli
- 95 Anaerobic Infections
- 96 Nocardiosis, Actinomycosis, and Whipple's Disease
- 97 Tuberculosis and Other Mycobacterial Infections
- 98 Lyme Disease and Other Nonsyphilitic Spirochetal Infections
- 99 Rickettsial Diseases
- 100 Mycoplasma pneumoniae, Legionella Species, and Chlamydia pneumoniae
- 101 Chlamydia trachomatis and Chlamydia psittaci
- 102 Infections with Herpes Simplex Virus, Varicella-Zoster Virus, Cytomegalovirus, Epstein-Barr Virus, and Human Herpesvirus Types 6, 7, and 8
- 103 Influenza and Other Viral Respiratory Diseases
- 104 Rubella, Measles, Mumps, and Parvovirus Infections
- 105 Enterovirus Infections
- 106 Insect- and Animal-Borne Viral Infections
- 107 HIV Infection and AIDS
- 108 Pneumocystis Pneumonia, Candidiasis, and Other Fungal Infections
- 109 Overview of Parasitic Infections
- 110 Malaria, Toxoplasmosis, Babesiosis, and Other Protozoal Infections
- 111 Helminthic Infections and Ectoparasite Infestations

SECTION 8 Cardiology

- 112 Physical Examination of the Heart
- 113 Electrocardiography
- 114 Noninvasive Examination of the Heart
- 115 Congenital Heart Disease in the Adult
- 116 Valvular Heart Disease
- 117 Cardiomyopathies and Myocarditis

- 118 Pericardial Disease
- 119 Hypertension
- 120 Metabolic Syndrome
- 121 ST-Segment Elevation Myocardial Infarction
- 122 Unstable Angina and Non-ST-Elevation Myocardial Infarction
- 123 Chronic Stable Angina
- 124 Bradyarrhythmias
- 125 Tachyarrhythmias
- 126 Heart Failure and Cor Pulmonale
- 127 Diseases of the Aorta
- 128 Peripheral Vascular Disease
- 129 Pulmonary Hypertension

SECTION 9 Pulmonology

- 130 Diagnostic Procedures in Respiratory Disease
- 131 Asthma
- 132 Environmental Lung Diseases
- 133 Chronic Obstructive Pulmonary Disease
- 134 Pneumonia, Bronchiectasis, and Lung Abscess
- 135 Pulmonary Thromboembolism and Deep-Vein Thrombosis
- 136 Interstitial Lung Disease
- 137 Diseases of the Pleura
- 138 Diseases of the Mediastinum
- 139 Disorders of Ventilation
- 140 Sleep Apnea

SECTION 10 Nephrology

- 141 Acute Renal Failure
- 142 Chronic Kidney Disease and Uremia
- 143 Dialysis
- 144 Renal Transplantation
- 145 Glomerular Diseases
- 146 Renal Tubular Disease
- 147 Dysuria, Urinary Tract Infections, Bladder Pain, and Interstitial Cystitis
- 148 Nephrolithiasis
- 149 Urinary Tract Obstruction

SECTION 11 Gastroenterology

- 150 Peptic Ulcer and Related Disorders
- 151 Inflammatory Bowel Diseases
- 152 Colonic and Anorectal Diseases
- 153 Cholelithiasis, Cholecystitis, and Cholangitis
- 154 Pancreatitis
- 155 Acute Hepatitis
- 156 Chronic Hepatitis

- 157 Cirrhosis and Alcoholic Liver Disease
- 158 Portal Hypertension

SECTION 12 Allergy, Clinical Immunology, and Rheumatology

- 159 Diseases of Immediate-Type Hypersensitivity
- 160 Primary Immune Deficiency Diseases
- 161 Systemic Lupus Erythematosus
- 162 Rheumatoid Arthritis
- 163 The Spondyloarthritides
- 164 Other Connective Tissue Diseases
- 165 Vasculitis
- 166 Osteoarthritis
- 167 Gout, Pseudogout, and Related Diseases
- 168 Other Musculoskeletal Disorders
- 169 Sarcoidosis
- 170 Amyloidosis

SECTION 13 Endocrinology and Metabolism

- 171 Disorders of the Anterior Pituitary and Hypothalamus
- 172 Diabetes Insipidus and Syndrome of Inappropriate Antidiuretic Hormone
- 173 Thyroid Gland Disorders
- 174 Adrenal Gland Disorders
- 175 Obesity
- 176 Diabetes Mellitus
- 177 Disorders of the Male Reproductive System
- 178 Disorders of the Female Reproductive System
- 179 Hypercalcemia and Hypocalcemia
- 180 Osteoporosis and Osteomalacia
- 181 Hypercholesterolemia and Hypertriglyceridemia
- 182 Hemochromatosis, Porphyrrias, and Wilson's Disease

SECTION 14 Neurology

- 183 The Neurologic Examination
- 184 Seizures and Epilepsy
- 185 Alzheimer's Disease and Other Dementias
- 186 Parkinson's Disease
- 187 Ataxic Disorders
- 188 ALS and Other Motor Neuron Diseases
- 189 Autonomic Nervous System Disorders
- 190 Trigeminal Neuralgia, Bell's Palsy, and Other Cranial Nerve Disorders
- 191 Spinal Cord Diseases
- 192 Multiple Sclerosis
- 193 Neuromyelitis Optica
- 194 Acute Meningitis and Encephalitis
- 195 Chronic and Recurrent Meningitis
- 196 Peripheral Neuropathies, Including Guillain-Barré Syndrome

197 Myasthenia Gravis
198 Muscle Diseases

SECTION 15 Psychiatry and Substance Abuse

199 Psychiatric Disorders
200 Psychiatric Medications
201 Eating Disorders
202 Alcohol Use Disorder
203 Narcotic Abuse
204 Cocaine and Other Commonly Used Drugs

SECTION 16 Disease Prevention and Health Maintenance

205 Routine Disease Screening
206 Vaccines
207 Cardiovascular Disease Prevention
208 Prevention and Early Detection of Cancer
209 Smoking Cessation
210 Women's Health

SECTION 17 Adverse Drug Reactions

211 Adverse Drug Reactions
Index