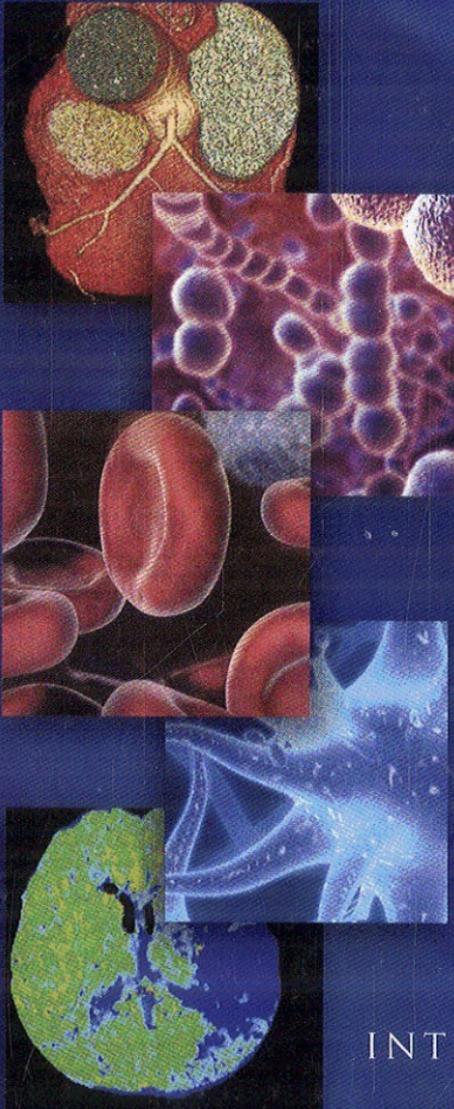


17th Edition

HARRISON'S MANUAL OF MEDICINE



Fauci
Braunwald
Kasper
Hauser
Longo
Jameson
Loscalzo

INTERNATIONAL EDITION

CONTENTS

Contributors	xiii
Preface	xv
Acknowledgments	xvii

SECTION 1 CARE OF THE HOSPITALIZED PATIENT

1 Initial Evaluation and Admission Orders for the General Medicine Patient	1
2 Electrolytes/Acid-Base Balance	3
3 Diagnostic Imaging in Internal Medicine	22
4 Procedures Commonly Performed by Internists	25
5 Principles of Critical Care Medicine	30
6 Pain and Its Management	34
7 Assessment of Nutritional Status	39
8 Enteral and Parenteral Nutrition	41
9 Transfusion and Pheresis Therapy	44
10 Palliative and End-of-Life Care	46

SECTION 2 MEDICAL EMERGENCIES

11 Cardiovascular Collapse and Sudden Death	55
12 Shock	58
13 Sepsis and Septic Shock	63
14 Acute Pulmonary Edema	66
15 Acute Respiratory Distress Syndrome	69
16 Respiratory Failure	71
17 Confusion, Stupor, and Coma	74
18 Stroke	79
19 Subarachnoid Hemorrhage	88
20 Increased Intracranial Pressure and Head Trauma	90
21 Spinal Cord Compression	94
22 Hypoxic-Ischemic Encephalopathy	96
23 Status Epilepticus	98
24 Diabetic Ketoacidosis and Hyperosmolar Coma	100
25 Hypoglycemia	103
26 Infectious Disease Emergencies	105
27 Oncologic Emergencies	112
28 Anaphylaxis	116
29 Bites, Venoms, Stings, and Marine Poisonings	117
30 Hypothermia and Frostbite	127

31	Poisoning and Drug Overdose	130
32	Bioterrorism.	160

SECTION 3 COMMON PATIENT PRESENTATIONS

33	Chest Pain	175
34	Abdominal Pain	179
35	Headache	183
36	Back and Neck Pain	189
37	Fever, Hyperthermia, Chills, and Rash	199
38	Pain and Swelling of Joints	203
39	Syncope	207
40	Dizziness and Vertigo	211
41	Acute Visual Loss and Double Vision	215
42	Weakness and Paralysis	218
43	Tremor and Movement Disorders	222
44	Aphasias and Related Disorders	224
45	Sleep Disorders	226
46	Dyspnea.	231
47	Cough and Hemoptysis	233
48	Cyanosis.	239
49	Edema	240
50	Nausea, Vomiting, and Indigestion	244
51	Weight Loss	247
52	Dysphagia	249
53	Diarrhea, Constipation, and Malabsorption	253
54	Gastrointestinal Bleeding	259
55	Jaundice and Evaluation of Liver Function.	263
56	Ascites	271
57	Azotemia and Urinary Abnormalities	274
58	Anemia and Polycythemia	280
59	Lymphadenopathy and Splenomegaly	283
60	Generalized Fatigue.	288

SECTION 4 OPHTHALMOLOGY AND OTOLARYNGOLOGY

61	Common Disorders of Vision and Hearing.	293
62	Sinusitis, Pharyngitis, Otitis, and Other Upper Respiratory Infections	301

SECTION 5 DERMATOLOGY

- 63 General Examination of the Skin 309
- 64 Common Skin Conditions 314

SECTION 6 HEMATOLOGY AND ONCOLOGY

- 65 Examination of Blood Smears and Bone Marrow 321
- 66 Red Blood Cell Disorders 323
- 67 Leukocytosis and Leukopenia 329
- 68 Bleeding and Thrombotic Disorders 332
- 69 Cancer Chemotherapy 339
- 70 Myeloid Leukemias, Myelodysplasia,
and Myeloproliferative Syndromes 344
- 71 Lymphoid Malignancies 352
- 72 Skin Cancer 364
- 73 Head and Neck Cancer 367
- 74 Lung Cancer 368
- 75 Breast Cancer 374
- 76 Tumors of the Gastrointestinal Tract 379
- 77 Genitourinary Tract Cancer 391
- 78 Gynecologic Cancer 395
- 79 Prostate Hyperplasia and Carcinoma 399
- 80 Cancer of Unknown Primary Site 401
- 81 Paraneoplastic Endocrine Syndromes 405
- 82 Neurologic Paraneoplastic Syndromes 407

SECTION 7 INFECTIOUS DISEASES

- 83 Diagnosis of Infectious Diseases 411
- 84 Antibacterial Therapy 422
- 85 Health Care-Associated Infections 428
- 86 Infections in the Immunocompromised Host 432
- 87 Infective Endocarditis 440
- 88 Intraabdominal Infections 448
- 89 Infectious Diarrheas 451
- 90 Sexually Transmitted Diseases and
Reproductive Tract Infections 462
- 91 Infections of the Skin, Soft Tissues, Joints, and Bones 477
- 92 Pneumococcal Infections 486

93	Staphylococcal Infections	489
94	Streptococcal/Enterococcal Infections, Diphtheria, and Other Infections Caused by Corynebacteria and Related Species	496
95	Meningococcal and Listerial Infections	504
96	Infections Caused by <i>Haemophilus</i> , <i>Bordetella</i> , <i>Moraxella</i> , and HACEK Group Organisms	508
97	Diseases Caused by Gram-Negative Enteric Bacteria, <i>Pseudomonas</i> , and <i>Legionella</i>	513
98	Infections Caused by Miscellaneous Gram-Negative Bacilli	522
99	Anaerobic Infections	528
100	Nocardiosis and Actinomycosis	535
101	Tuberculosis and Other Mycobacterial Infections	538
102	Lyme Disease and Other Nonsyphilitic Spirochetal Infections	549
103	Rickettsial Diseases	554
104	<i>Mycoplasma</i> Infections	560
105	Chlamydial Infections	561
106	Herpesvirus Infections	564
107	Cytomegalovirus and Epstein-Barr Virus Infections	572
108	Influenza and Other Viral Respiratory Diseases	577
109	Rubeola, Rubella, Mumps, and Parvovirus Infections	584
110	Enteroviral Infections	588
111	Insect- and Animal-Borne Viral Infections	592
112	HIV Infection and AIDS	600
113	Fungal Infections	618
114	<i>Pneumocystis</i> Infections	633
115	Protozoal Infections	636
116	Helminthic Infections and Ectoparasite Infestations	648

SECTION 8 CARDIOLOGY

117	Physical Examination of the Heart	661
118	Electrocardiography	665
119	Noninvasive Examination of the Heart	669
120	Congenital Heart Disease in the Adult	674
121	Valvular Heart Disease	678
122	Cardiomyopathies and Myocarditis	684
123	Pericardial Disease	688
124	Hypertension	693
125	Metabolic Syndrome	699

126	ST-Segment Elevation Myocardial Infarction (STEMI)	700
127	Unstable Angina and Non-ST-Elevation Myocardial Infarction.	709
128	Chronic Stable Angina	712
129	Bradyarrhythmias	717
130	Tachyarrhythmias	720
131	Congestive Heart Failure and Cor Pulmonale	730
132	Diseases of the Aorta	736
133	Peripheral Vascular Disease	739
134	Pulmonary Hypertension.	742

SECTION 9 PULMONOLOGY

135	Respiratory Function and Pulmonary Diagnostic Procedures.	747
136	Asthma	753
137	Environmental Lung Diseases	756
138	Chronic Obstructive Pulmonary Disease	759
139	Pneumonia and Lung Abscess.	764
140	Pulmonary Thromboembolism and Deep-Vein Thrombosis	769
141	Interstitial Lung Disease	772
142	Diseases of the Pleura and Mediastinum	777
143	Disorders of Ventilation.	781
144	Sleep Apnea	783

SECTION 10 NEPHROLOGY

145	Approach to the Patient with Renal Disease	785
146	Acute Renal Failure	789
147	Chronic Kidney Disease and Uremia	794
148	Dialysis	796
149	Renal Transplantation	798
150	Glomerular Diseases	801
151	Renal Tubular Disease.	808
152	Urinary Tract Infections	815
153	Renovascular Disease	820
154	Nephrolithiasis	826
155	Urinary Tract Obstruction.	829

SECTION 11 GASTROENTEROLOGY

156	Peptic Ulcer and Related Disorders	831
157	Inflammatory Bowel Diseases	836
158	Colonic and Anorectal Diseases	840
159	Cholelithiasis, Cholecystitis, and Cholangitis	844
160	Pancreatitis	849
161	Acute Hepatitis	854
162	Chronic Hepatitis	859
163	<i>Cirrhosis and Alcoholic Liver Disease</i>	868
164	Portal Hypertension.	872

SECTION 12 ALLERGY, CLINICAL IMMUNOLOGY, AND RHEUMATOLOGY

165	Diseases of Immediate Type Hypersensitivity.	877
166	Primary Immune Deficiency Diseases	881
167	SLE, RA, and Other Connective Tissue Diseases.	885
168	Vasculitis	891
169	Ankylosing Spondylitis.	895
170	Psoriatic Arthritis	897
171	Reactive Arthritis	899
172	Osteoarthritis	900
173	Gout, Pseudogout, and Related Diseases	903
174	Other Musculoskeletal Disorders	907
175	Sarcoidosis.	910
176	Amyloidosis	913

SECTION 13 ENDOCRINOLOGY AND METABOLISM

177	Disorders of the Anterior Pituitary and Hypothalamus	917
178	Diabetes Insipidus and SIADH	923
179	Thyroid Gland Disorders	925
180	Adrenal Gland Disorders	933
181	Obesity	939
182	Diabetes Mellitus.	942
183	Disorders of the Male Reproductive System	947
184	Disorders of the Female Reproductive System	952
185	Hypercalcemia and Hypocalcemia.	959
186	Osteoporosis and Osteomalacia	965

187	Hypercholesterolemia and Hypertriglyceridemia	968
188	Hemochromatosis, Porphyrins, and Wilson's Disease	975

SECTION 14 NEUROLOGY

189	The Neurologic Examination	979
190	Neuroimaging	986
191	Seizures and Epilepsy	988
192	Alzheimer's Disease and Other Dementias	995
193	Parkinson's Disease	1002
194	Ataxic Disorders	1007
195	ALS and Other Motor Neuron Diseases	1010
196	Autonomic Nervous System Disorders	1013
197	Trigeminal Neuralgia, Bell's Palsy, and Other Cranial Nerve Disorders	1020
198	Spinal Cord Diseases	1026
199	Tumors of the Nervous System	1031
200	Multiple Sclerosis (MS)	1035
201	Acute Meningitis and Encephalitis	1042
202	Chronic Meningitis	1052
203	Peripheral Neuropathies, Including Guillain-Barré Syndrome (GBS)	1055
204	Myasthenia Gravis (MG)	1065
205	Muscle Diseases	1068

SECTION 15 PSYCHIATRY AND SUBSTANCE ABUSE

206	Psychiatric Disorders	1077
207	Psychiatric Medications	1085
208	Eating Disorders	1093
209	Alcoholism	1095
210	Narcotic Abuse	1099

SECTION 16 DISEASE PREVENTION AND HEALTH MAINTENANCE

211	Routine Disease Screening	1103
212	Immunization and Advice to Travelers	1107
213	Cardiovascular Disease Prevention	1118
214	Prevention and Early Detection of Cancer	1121
215	Smoking Cessation	1126
216	Women's Health	1128

SECTION 17 ADVERSE DRUG REACTIONS

217 Adverse Drug Reactions 1131

SECTION 18 LABORATORY VALUES

218 Laboratory Values of Clinical Importance 1141

Index 1173