

CONTRIBUTORS xix
PREFACE xxxvii

PART 1 General Considerations in Clinical Medicine

1 The Practice of Medicine 1
The Editors

2 Global Issues in Medicine 7
Paul Farmer, Joseph Rhatigan

3 Decision-Making in Clinical Medicine 18
Daniel B. Mark, John B. Wong

4 Screening and Prevention of Disease 26
Katrina Armstrong, Gary J. Martin

5 Principles of Clinical Pharmacology 31
Dan M. Roden

 **6e Women's Health** 45
Andrea Dunaif

 **7e Men's Health** 45
Shalender Bhasin, Shehzad Basaria

8 Medical Disorders During Pregnancy 45
Robert L. Barbieri, John T. Repke

9 Medical Evaluation of the Surgical Patient 51
Wei C. Lau, Kim A. Eagle

10 Palliative and End-of-Life Care 55
Ezekiel J. Emanuel

11 Clinical Problems of Aging 70
Luigi Ferrucci, Stephanie Studenski

 **12e The Safety and Quality of Health Care** 85
David W. Bates

 **13e Primary Care in Low- and Middle-Income Countries** 85
Tim Evans, Kumanan Rasanathan

 **14e Complementary, Alternative, and Integrative Health Practices** 86
Josephine P. Briggs

 **15e The Economics of Medical Care** 86
Joseph P. Newhouse

 **16e Racial and Ethnic Disparities in Health Care** 86
Joseph R. Betancourt, Alexander R. Green

 **17e Ethical Issues in Clinical Medicine** 86
Bernard Lo, Christine Grady

PART 2 Cardinal Manifestations and Presentation of Diseases

SECTION 1 PAIN

18 Pain: Pathophysiology and Management 87
James P. Rathmell, Howard L. Fields

19 Chest Discomfort 95
David A. Morrow

20 Abdominal Pain 103
Danny O. Jacobs, William Silen


21 Headache 107
Peter J. Goadsby, Neil H. Raskin

22 Back and Neck Pain 111
John W. Engstrom, Richard A. Deyo

SECTION 2 ALTERATIONS IN BODY TEMPERATURE

23 Fever 123
Charles A. Dinarello, Reuven Porat

24 Fever and Rash 127
Elaine T. Kaye, Kenneth M. Kaye

 **25e Atlas of Rashes Associated with Fever** 135
Kenneth M. Kaye, Elaine T. Kaye

26 Fever of Unknown Origin 135
Chantal P. Bleeker-Rovers, Jos W. M. van der Meer

SECTION 3 NERVOUS SYSTEM DYSFUNCTION

27 Syncope 142
Roy Freeman

28 Dizziness and Vertigo 148
Mark F. Walker, Robert B. Daroff

29 Fatigue 151
Jeffrey M. Gelfand, Vanja C. Douglas

30 Neurologic Causes of Weakness and Paralysis 154
Michael J. Aminoff

31 Numbness, Tingling, and Sensory Loss 158
Michael J. Aminoff

32 Gait and Balance Disorders 162
Lewis Sudarsky

 **33e Video Library of Gait Disorders** 165
Gail Kang, Nicholas B. Galifianakis, Michael D. Geschwind

34 Confusion and Delirium 166
S. Andrew Josephson, Bruce L. Miller

35 Dementia 170
William W. Seeley, Bruce L. Miller


36 Aphasia, Memory Loss, and Other Focal Cerebral Disorders 176
M.-Marsel Mesulam


 **37e Primary Progressive Aphasia, Memory Loss, and Other Focal Cerebral Disorders** 184
Maria Luisa Gorno-Tempini, Jennifer Ogar, Joel Kramer, Bruce L. Miller, Gil Rabinovici, Maria Carmela Tartaglia

38 Sleep Disorders 184
Charles A. Czeisler, Thomas E. Scammell, Clifford B. Saper

SECTION 4 DISORDERS OF EYES, EARS, NOSE, AND THROAT

39 Disorders of the Eye 195
Jonathan C. Horton

 **40e Use of the Hand-Held Ophthalmoscope** 211
Homayoun Tabandeh, Morton F. Goldberg

 **41e Video Library of Neuro-Ophthalmology** 211
Shirley H. Wray

42 Disorders of Smell and Taste 211
Richard L. Doty, Steven M. Bromley

43 Disorders of Hearing 217
Anil K. Lalwani

44 Sore Throat, Earache, and Upper Respiratory Symptoms 225
Michael A. Rubin, Larry C. Ford, Ralph Gonzales