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西氏内科学

GOLDMAN-CECIL MEDICINE

第25版 · 第1卷 原版影印

LEE GOLDMAN
ANDREW I. SCHAFER

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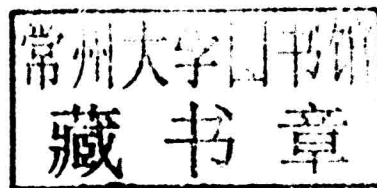
第25版 · 第1卷

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PREFACE

In the 90 years since the first edition of the *Cecil Textbook of Medicine* was published, almost everything we know about internal medicine has changed. Progress in medical science is now occurring at an ever-accelerating pace, and it is doing so within the framework of transformational changes in clinical practice and the delivery of health care at individual, social, and global levels. This textbook provides the latest medical knowledge in multiple formats that should appeal to students and seasoned practitioners regardless of how they prefer to access this rapidly changing information.

Even as *Cecil's* specific information has changed, however, we have remained true to the tradition of a comprehensive textbook of medicine that carefully explains the *why* (the underlying pathophysiology of disease) and the *how* (now expected to be evidence-based from randomized controlled trials and meta-analyses). Descriptions of physiology and pathophysiology include the latest genetic advances in a practical format that strives to be useful to the nonexpert. Medicine has entered an era when the acuity of illness and the limited time available to evaluate a patient have diminished the ability of physicians to satisfy their intellectual curiosity. As a result, the acquisition of information, quite easily achieved in this era, is often confused with knowledge. We have attempted to address this dilemma with a textbook that not only informs but also stimulates new questions and gives a glimpse of the future path to new knowledge. Grade A evidence is specifically highlighted in the text and referenced at the end of each chapter. In addition to the information provided in the textbook, the *Cecil* website supplies expanded content and functionality. In many cases, the full articles referenced in each chapter can be accessed from the *Cecil* website. The website is also continuously updated to incorporate subsequent Grade A information, other evidence, and new discoveries.

The sections for each organ system begin with a chapter that summarizes an approach to patients with key symptoms, signs, or laboratory abnormalities associated with dysfunction of that organ system. The text specifically provides clear, concise information regarding how a physician should approach more than 100 common symptoms, signs, and laboratory abnormalities, usually with a flow diagram, a table, or both for easy reference. In this way, *Cecil* remains a comprehensive text to guide diagnosis and therapy, not only for patients with suspected or known diseases but also for patients who may have undiagnosed abnormalities that require an initial evaluation.

Just as each edition brings new authors, it also reminds us of our gratitude to past editors and authors. Previous editors of *Cecil* include a short but remarkably distinguished group of leaders of American medicine: Russell Cecil, Paul Beeson, Walsh McDermott, James Wyngaarden, Lloyd H. Smith,

Jr., Fred Plum, J. Claude Bennett, and Dennis Ausiello. As we welcome new associate editors—Mary K. Crow, James H. Doroshov, and Allen M. Spiegel—we also express our appreciation to William P. Arend, James O. Armitage, David R. Clemmons, and other associate editors from the previous editions on whose foundation we have built. Our returning associate editors—Jeffrey M. Drazen, Robert C. Griggs, Donald W. Landry, Wendy Levinson, Anil K. Rustgi, and W. Michael Scheld—continue to make critical contributions to the selection of authors and the review and approval of all manuscripts. The editors, however, are fully responsible for the book as well as the integration among chapters.

The tradition of *Cecil* is that all chapters are written by distinguished experts in each field. We are also most grateful for the editorial assistance in New York of Maribel Lim and Silva Serghian. These individuals and others in our offices have shown extraordinary dedication and equanimity in working with authors and editors to manage the unending flow of manuscripts, figures, and permissions. We also thank Cassondra Andreychik, Ved Bhushan Arya, Cameron Harrison, Karen Krok, Robert J. Mentz, Gaétane Nocturne, Patrice Savard, Senthil Senniappan, Tejpratap Tiwari, and Sangeetha Venkatarajan, who contributed to various chapters, and we mourn the passing of Morton N. Swartz, MD, co-author of the chapter on “Meningitis: Bacterial, Viral, and Other” and Donald E. Low, MD, author of the chapter “Nonpneumococcal Streptococcal Infections, Rheumatic Fever.” At Elsevier, we are most indebted to Kate Dimock and Maureen Iannuzzi, and also thank Maria Holman, Gabriela Benner, Cindy Thoms, Anne Altepeter, Linda McKinley, Paula Catalano, and Kristin Koehler, who have been critical to the planning and production process under the guidance of Mary Gatsch. Many of the clinical photographs were supplied by Charles D. Forbes and William F. Jackson, authors of *Color Atlas and Text of Clinical Medicine*, Third Edition, published in 2003 by Elsevier Science Ltd. We thank them for graciously permitting us to include their pictures in our book. We have been exposed to remarkable physicians in our lifetimes and would like to acknowledge the mentorship and support of several of those who exemplify this paradigm—Eugene Braunwald, Lloyd H. Smith, Jr., Frank Gardner, and William Castle. Finally, we would like to thank the Goldman family—Jill, Jeff, Abigail, Mira, Samuel, Daniel, Robyn, Tobin, and Dashel—and the Schafer family—Pauline, Eric, Melissa, Nathaniel, Pam, John, Evan, Samantha, Kate, and Sean, for their understanding of the time and focus required to edit a book that attempts to sustain the tradition of our predecessors and to meet the needs of today's physician.

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Alcoholic and Nonalcoholic Steatohepatitis

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Staphylococcal Infections

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Autonomic Disorders and Their Management

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Human Microbiome

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Global Health

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Physical and Chemical Injuries of the Lung

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Structure and Function of the Skin

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Bioterrorism

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Interim Under Secretary for Health, Veterans Administration, Washington, D.C.
Measuring Health and Health Care

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Kenan Professor of Medicine, University of North Carolina School of Medicine; Attending Physician, Medicine, UNC Hospitals, Chapel Hill, North Carolina
Approach to the Patient with Endocrine Disease

David Cohen, MD

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Treatment of Irreversible Renal Failure

Jeffrey Cohen, MD

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Varicella-Zoster Virus (Chickenpox, Shingles)

Myron S. Cohen, MD

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Approach to the Patient with a Sexually Transmitted Infection; Prevention of Human Immunodeficiency Virus Infection

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Pain

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Preoperative Evaluation

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Immune Reconstitution Inflammatory Syndrome in HIV/AIDS

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Hodgkin Lymphoma

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Approach to the Patient in a Critical Care Setting

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Cancer Biology and Genetics

Joseph Craft, MD

Paul B. Beeson Professor of Medicine and Immunobiology, Section Chief, Rheumatology, Program Director, Investigative Medicine, Department of Internal Medicine, Yale University School of Medicine, New Haven, Connecticut
The Adaptive Immune Systems

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Diabetes Mellitus

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Leishmaniasis

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Associate Professor, Department of Medicine, Division of Pulmonary and Critical Care, University of Washington School of Medicine, Seattle, Washington
Pulmonary Manifestations of Human Immunodeficiency Virus and Acquired Immunodeficiency Syndrome

Mary K. Crow, MD

Joseph P. Routh Professor of Rheumatic Diseases in Medicine, Weill Cornell Medical College; Physician in Chief and Benjamin M. Rosen Chair in Immunology and Inflammation Research, Hospital for Special Surgery, New York, New York
The Innate Immune Systems; Approach to the Patient with Rheumatic Disease; Systemic Lupus Erythematosus

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Salmonella Infections (Including Enteric Fever)

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Principles of Occupational and Environmental Medicine

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Primary Immunodeficiency Diseases

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Smallpox, Monkeypox, and Other Poxvirus Infections

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Diseases of the Mouth and Salivary Glands

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Breast Cancer and Benign Breast Disorders

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Chair, Department of Neurology, Memorial Sloan-Kettering Cancer Center; Professor of Neurology, Weill Cornell Medical College, New York, New York
Tumors of the Central Nervous System

Malcolm M. DeCamp, MD

Fowler McCormick Professor of Surgery, Feinberg School of Medicine, Northwestern University; Chief, Division of Thoracic Surgery, Northwestern Memorial Hospital, Chicago, Illinois
Interventional and Surgical Approaches to Lung Disease

Carlos del Rio, MD

Hubert Professor and Chair and Professor of Medicine, Hubert Department of Global Health, Rollins School of Public Health and Department of Medicine, Emory University School of Medicine, Atlanta, Georgia
Prevention of Human Immunodeficiency Virus Infection

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Rhabdomyolysis

Robert B. Diasio, MD

William J. and Charles H. Mayo Professor, Molecular Pharmacology and Experimental Therapeutics and Oncology, Mayo Clinic, Rochester, Minnesota
Principles of Drug Therapy

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Intestinal Nematode Infections; Tissue Nematode Infections

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Headaches and Other Head Pain

James H. Doroshow, MD

Bethesda, Maryland

Approach to the Patient with Cancer; Malignant Tumors of Bone, Sarcomas, and Other Soft Tissue Neoplasms

John M. Douglas, Jr., MD

Executive Director, Tri-County Health Department, Greenwood Village, Colorado

Papillomavirus

Jeffrey M. Drazen, MD

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Asthma

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Urticaria and Angioedema

W. Lawrence Drew, MD, PhD

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Cytomegalovirus

George L. Drusano, MD

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Antibacterial Chemotherapy

Thomas D. DuBose, Jr., MD

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Vascular Disorders of the Kidney

F. Daniel Duffy, MD

Professor of Internal Medicine and Steve Landgarten Chair in Medical Leadership, School of Community Medicine, University of Oklahoma College of Medicine, Tulsa, Oklahoma

Counseling for Behavior Change

Herbert L. DuPont, MD, MACP

Mary W. Kelsey Chair and Director, Center for Infectious Diseases, University of Texas School of Public Health; H. Irving Schweppe Chair of Internal Medicine and Vice Chairman, Department of Medicine, Baylor College of Medicine; Chief of Internal Medicine, St. Luke's Hospital System, Houston, Texas

Approach to the Patient with Suspected Enteric Infection

Madeleine Duvic, MD

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Urticaria, Drug Hypersensitivity Rashes, Nodules and Tumors, and Atrophic Diseases

Kathryn M. Edwards, MD

Sarah H. Sell and Cornelius Vanderbilt Chair in Pediatrics, Vanderbilt University School of Medicine; Director, Vanderbilt Vaccine Research Program, Monroe Carrell Jr. Children's Hospital at Vanderbilt, Nashville, Tennessee

Parainfluenza Viral Disease

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Crystal Deposition Diseases

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Testicular Cancer

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Reference Intervals and Laboratory Values

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Principles of Anti-Infective Therapy

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Diseases of the Myocardium and Endocardium

Jerrold J. Ellner, MD

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Tuberculosis

Dirk M. Elston, MD

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Arthropods and Leeches

Ezekiel J. Emanuel, MD, PhD

Vice Provost for Global Initiatives, Diane V.S. Levy and Robert M. Levy University Professor, Chair, Department of Medical Ethics and Health Policy, University of Pennsylvania, Philadelphia, Pennsylvania

Bioethics in the Practice of Medicine

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Leprosy (Hansen Disease)

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Hepatic Failure and Liver Transplantation

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Disorders of Neuromuscular Transmission

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Neoplasms of the Small and Large Intestine

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Pseudomonas and Related Gram-Negative Bacillary Infections

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Diseases of the Esophagus

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Intimate Partner Violence

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Interventional and Surgical Approaches to Lung Disease

Gary S. Firestein, MD

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Mechanisms of Inflammation and Tissue Repair

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Principles of Electrophysiology

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Overview of Anesthesia

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Throat Disorders

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Diseases of the Gallbladder and Bile Ducts

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Acute Poisoning

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Pancreatitis

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Infective Endocarditis

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Rotaviruses, Noroviruses, and Other Gastrointestinal Viruses

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Approach to the Patient before and after Travel

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Immune Reconstitution Inflammatory Syndrome in HIV/AIDS

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Approach to Women's Health

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Biologic Agents

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Plague and Other Yersinia Infections

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Coccidioidomycosis

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Hemolytic Anemias: Red Blood Cell Membrane and Metabolic Defects

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Electrocardiography

Hasan Garan, MD

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Ventricular Arrhythmias

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Cirrhosis and Its Sequelae

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Diseases Caused by Chlamydiae

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Nicotine and Tobacco

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Gene and Cell Therapy

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Coronaviruses

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Clostridial Infections

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Amyloidosis

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Microcytic and Hypochromic Anemias

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Peripheral Venous Disease

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Applications of Molecular Technologies to Clinical Medicine

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Disorders of Phagocyte Function

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Mumps

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Neisseria Gonorrhoeae Infections

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*Approach to Medicine, the Patient, and the Medical Profession: Medicine as a
Learned and Humane Profession; Approach to the Patient with Possible
Cardiovascular Disease*

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Diseases Caused by Non-Spore-Forming Anaerobic Bacteria

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Approach to Cerebrovascular Diseases; Ischemic Cerebrovascular Disease

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Drug Allergy

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Cancer of Unknown Primary Origin

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Rotaviruses, Noroviruses, and Other Gastrointestinal Viruses

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Inflammatory Myopathies

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Approach to the Patient with Neurologic Disease

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*Hereditary Nephropathies and Developmental Abnormalities of the Urinary
Tract*