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# Hepatology

A TEXTBOOK OF LIVER DISEASE

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Second Edition

Volume 2

Volume 2

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# Hepatology

## A TEXTBOOK OF LIVER DISEASE

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Second Edition

David Zakim, M.D.

Vincent Astor Distinguished Professor of  
Medicine  
Cornell University Medical College  
Professor of Cell Biology and Genetics  
Cornell University Graduate School of  
Medical Sciences  
Director, Division of Digestive Diseases  
New York Hospital-Cornell University  
Medical Center  
New York, New York

Thomas D. Boyer, M.D.

Professor of Medicine  
University of California  
San Francisco, California  
Chief, Gastroenterology  
Veterans Administration Hospital  
San Francisco, California

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*To two of our teachers:  
Eric Kao and Telfer Reynolds*

# CONTRIBUTORS

## GILBERT ASHWELL, M.D.

NIH Institute Scholar, National Institute of Diabetes and Digestive and Kidney Diseases, National Institutes of Health, Bethesda, MD

*Receptor-Mediated Endocytosis: Mechanisms, Biologic Function, and Molecular Properties*

## BRUCE R. BACON, M.D.

Associate Professor of Medicine and Physiology and Biophysics, Louisiana State University School of Medicine in Shreveport; Chief, Section of Gastroenterology and Hepatology, Louisiana State University School of Medicine, Shreveport, LA

*Hemochromatosis: Iron Metabolism and the Iron Overload Syndromes*

## PHILIP S. BARIE, M.D., F.A.C.S.

Assistant Professor of Surgery, Cornell University Medical College; Attending Surgeon and Director, Surgical Intensive Care Unit, The New York Hospital-Cornell Medical Center, New York, NY

*Gallbladder Disease; Diseases of the Bile Ducts*

## NATHAN M. BASS, M.D., Ph.D.

Assistant Professor of Medicine, University of California, San Francisco, School of Medicine; Attending Physician, University of California, San Francisco, Hospitals and Clinics, San Francisco, CA

*Hepatic Function and Pharmacokinetics; Drug-Induced Liver Disease*

## DANIEL D. BIKLE, M.D., Ph.D.

Associate Professor of Medicine, University of California, San Francisco, School of Medicine; Codirector, Special Diagnostic and Treatment Unit, Veterans Administration Medical Center, San Francisco, CA

*Metabolism and Functions of Vitamins A, D, and K*

## D. MONTGOMERY BISSELL, M.D.

Professor of Medicine, University of California, San Francisco, School of Medicine; Attending Physician, University of California Hospitals and San Francisco General Hospital Medical Center, San Francisco, CA

*Connective Tissue Metabolism and Hepatic Fibrosis*

## NORBERT BLANCKAERT, M.D., Ph.D.

Professor of Clinical Pathology, Catholic University of Leuven; Coordinator of Clinical Laboratories, University Hospital St. Rafael, Leuven, Belgium

*Physiology and Pathophysiology of Bilirubin Metabolism*

## HERBERT L. BONKOVSKY, M.D.

Professor of Medicine and Associate Professor of Biochemistry, Emory University School of Medicine; Attending Physician and Chief of Digestive Disease Laboratory and the Liver Study Unit, Emory University

Hospital; Attending Physician, Grady Memorial Hospital, Atlanta, GA

*Porphyrin and Heme Metabolism and the Porphyrrias*

## LLOYD L. BRANDBORG, M.D.

Clinical Professor of Medicine, Emeritus, University of California, San Francisco, School of Medicine, San Francisco, CA

*Parasitic Diseases of the Liver; Bacterial and Miscellaneous Infections of the Liver*

## FRANCESCO CALLEA, M.D., Ph.D.

Head, Department of Pathology, G. Gaslini Institute, Genova Quarto, Italy

*Cholestatic Syndromes of Infancy and Childhood*

## JOSE L. CAMPRA, M.D.

Adjuvant Professor of Internal Medicine, National University of Cordoba School of Medicine; Deputy Chief, Centro de Endoscopia Diagnostico e Investigacion en Gastroenterologia, Hospital San Roque, Cordoba, Argentina

*Hepatic Granulomata*

## JOHN P. CELLO, M.D.

Professor of Medicine, University of California, San Francisco, School of Medicine; Chief, Gastroenterology, San Francisco General Hospital, San Francisco, CA

*The Liver in Systemic Conditions*

## ALLEN D. COOPER, M.D.

Associate Professor of Medicine and Physiology, Stanford University, Stanford, CA; Director, Research Institute, Palo Alto Medical Foundation, Palo Alto, CA

*Hepatic Lipoprotein and Cholesterol Metabolism*

## VALEER J. DESMET, M.D., Ph.D.

Professor of Histology and Pathology, Faculty of Medicine, Catholic University of Leuven; Head, Department of Pathology II, University Hospital St. Rafael, Leuven, Belgium

*Cholestatic Syndromes of Infancy and Childhood*

## DANIEL DEYKIN, M.D.

Professor of Medicine and Public Health, Boston University School of Medicine; Chief, Cooperative Studies Program, Boston Veterans Administration Medical Center, Boston, MA

*Alterations of Hemostasis in Patients with Liver Disease*

## TERRENCE M. DONOHUE, JR., Ph.D.

Assistant Professor of Internal Medicine and Biochemistry, University of Nebraska College of Medicine; Research Chemist, Veterans Administration Medical Center, Omaha, Nebraska

*Synthesis and Secretion of Plasma Proteins by the Liver*



**MURRAY EPSTEIN, M.D., F.A.C.P.**

Professor of Medicine, University of Miami School of Medicine; Attending Physician, Nephrology Section, VA Medical Center and Division of Nephrology, James M. Jackson Memorial Medical Center, Miami, FL  
*Functional Renal Abnormalities in Cirrhosis: Pathophysiology and Management*

**GEOFFREY C. FARRELL, M.D., F.R.A.C.P.**

Associate Professor of Medicine, The University of Sydney, Sydney, Australia; Head, Gastroenterology Unit, Westmead Hospital, Westmead, New South Wales, Australia  
*Postoperative Hepatic Dysfunction*

**NELSON FAUSTO, M.D.**

Professor and Chairman, Department of Pathology and Laboratory Medicine, Division of Biology and Medicine, Brown University, Providence, RI  
*Hepatic Regeneration*

**JOHAN FEVERY, M.D., Ph.D.**

Professor of Medicine, Catholic University of Leuven; University Hospital Gasthuisberg, Leuven, Belgium  
*Physiology and Pathophysiology of Bilirubin Metabolism*

**LOUIS D. FIORE, M.D.**

Assistant Professor of Medicine, Boston University School of Medicine; Director, Thrombosis Service, Boston Veterans Administration Medical Center, Boston, MA  
*Alterations of Hemostasis in Patients with Liver Disease*

**JAMES H. FOSTER, M.D.**

Professor of Surgery, University of Connecticut School of Medicine; Attending Surgeon, University of Connecticut Health Center, John Dempsey Hospital, Farmington, CT  
*Surgical Management of Primary Hepatocellular Carcinoma and Metastatic Liver Cancer; Liver Trauma*

**FAYEZ K. GHISHAN, M.D.**

Professor of Pediatrics and Professor of Molecular Physiology and Biophysics; Director, Division of Gastroenterology-Nutrition, Department of Pediatrics, Vanderbilt Medical School; Attending Physician, Vanderbilt Children's Hospital, Nashville, TN  
*Inborn Errors of Metabolism That Lead to Permanent Liver Injury: Alpha<sub>1</sub>-Antitrypsin Deficiency*

**NORMAN GITLIN, M.D.**

Professor of Medicine, University of California, San Francisco, School of Medicine, San Francisco, CA; Chief of Gastroenterology, Veterans Administration Medical Center, Fresno, CA  
*Clinical Aspects of Liver Diseases Caused by Industrial and Environmental Toxins*

**HENRY I. GOLDBERG, M.D.**

Professor of Radiology, University of California, San Francisco, Department of Radiology, University of California, San Francisco, Medical Center, San Francisco, CA  
*Radiologic Evaluation of Disorders of the Liver and Biliary System*

**IRA S. GOLDMAN, M.D.**

Assistant Professor of Medicine, Cornell University Medical College, New York, NY; Assistant Attending Physician, Division of Gastroenterology, North Shore University Hospital, Manhasset, NY  
*Parasitic Diseases of the Liver; Bacterial and Miscellaneous Infections of the Liver*

**LEONARD I. GOLDSTEIN, M.D.**

Assistant Clinical Professor, University of California, Los Angeles, School of Medicine; Attending Physician, UCLA Medical Center, Los Angeles, CA  
*Liver Transplantation*

**JOHN L. GOLLAN, M.D., Ph.D., F.R.A.C.P., F.R.C.P.**

Associate Professor of Medicine, Harvard Medical School; Director, Gastroenterology Division, and Attending Physician, Brigham and Women's Hospital; Consultant Physician, Children's Hospital Medical Center, Boston, MA; Consultant Physician, Brockton-West Roxbury Veterans Administration Medical Center, Brockton, MA  
*Copper Metabolism, Wilson's Disease, and Hepatic Copper Toxicosis*

**HARRY L. GREENE, M.D.**

Professor, Pediatrics, Associate Professor, Biochemistry, Vanderbilt University Medical School; Director, Clinical Nutrition Research Unit, Vanderbilt University Hospital, Nashville, TN  
*Inborn Errors of Metabolism That Lead to Permanent Liver Injury; Alpha<sub>1</sub>-Antitrypsin Deficiency*

**JAMES H. GRENDALL, M.D.**

Associate Professor of Medicine and Physiology, University of California, San Francisco; Attending Physician, San Francisco General Hospital, San Francisco, CA  
*The Liver in Systemic Conditions*

**D. M. HEUMAN, M.D.**

Assistant Professor of Medicine, Division of Gastroenterology, Medical College of Virginia School of Medicine, Virginia Commonwealth University; Assistant Professor of Medicine, Gastroenterology Section, McGuire Veterans Administration Medical Center, Richmond, VA  
*Physiology and Pathophysiology of Enterohepatic Circulation of Bile Acids; Pathogenesis and Dissolution of Gallstones*

**ROBERT S. HILLMAN, M.D.**

Professor of Medicine, University of Vermont School of Medicine, Burlington, VT; Chairman, Department of Medicine, Maine Medical Center, Portland, ME  
*The Liver and Hematopoiesis*

**P. B. HYLEMON, Ph.D.**

Professor of Microbiology and Medicine, Medical College of Virginia School of Medicine, Virginia Commonwealth University, Richmond, VA  
*Physiology and Pathophysiology of Enterohepatic Circulation of Bile Acids*

**IRA M. JACOBSON, M.D.**

Assistant Professor of Medicine, Cornell University Medical College; Assistant Attending Physician, New York Hospital, New York, NY  
*Gallbladder Disease; Diseases of the Bile Ducts; Nonsurgical Treatment of Biliary Tract Disease*

**RICHARD B. JENNETT, M.D.**

Assistant Professor of Internal Medicine, University of Nebraska College of Medicine; Research Associate and Attending Physician, Omaha Veterans Administration Medical Center, Omaha, NE  
*Synthesis and Secretion of Plasma Proteins by the Liver*

**ALBERT L. JONES, M.D.**

Professor of Medicine and Anatomy, University of California, San Francisco; Associate Chief of Staff for Research and Development, San Francisco Veterans Administration Medical Center, San Francisco, CA  
*Anatomy of the Normal Liver*

**E. ANTHONY JONES, M.D., F.R.C.P.**

Professor of Medicine, George Washington University Hospital, Washington, D.C.; Chief, Liver Diseases Section, Digestive Diseases Branch, National Institute of Diabetes and Digestive and Kidney Diseases, National Institutes of Health, Bethesda, MD  
*Fulminant Hepatic Failure*

**NEIL KAPLOWITZ, M.D.**

Professor of Medicine, University of California, Los Angeles, School of Medicine; Chairman, Division of Gastroenterology, Wadsworth Veterans Administration Medical Center, Los Angeles, CA  
*Biochemical Tests for Liver Disease*

**MICHAEL C. KEW, M.D., D.Sc., F.R.C.P.**

Professor of Medicine, Witwatersrand University Medical School; Senior Physician, Johannesburg and Hillbrow Hospitals; Attending Hepatologist, Baragwanath and Rand Mutual Hospitals; Honorary Research Associate, South African Institute for Medical Research, Johannesburg, South Africa  
*Tumors of the Liver*

**MICHAEL J. KROWKA, M.D.**

Assistant Professor of Medicine, Mayo Medical School, Rochester, MN; Consultant, Thoracic Diseases and Internal Medicine, Mayo Clinic, Jacksonville, FL  
*Cardiovascular and Pulmonary Complications of Liver Diseases*

**JAY H. LEFKOWITZ, M.D.**

Professor of Clinical Pathology, College of Physicians and Surgeons, Columbia University; Attending Pathologist, Columbia-Presbyterian Medical Center, New York, NY  
*Pathologic Diagnosis of Liver Disease*

**JAMES LEVINE, M.D.**

Assistant Professor of Medicine, Harvard University School of Medicine; Attending Physician, Division of Hematology-Oncology, New England Deaconess Hospital, Boston, MA  
*Alterations of Hemostasis in Patients with Liver Disease*

**CHARLES J. LIGHTDALE, M.D.**

Associate Professor of Clinical Medicine, Cornell University Medical College; Director, Gastrointestinal Endoscopy, Memorial Sloan-Kettering Cancer Center, New York, NY  
*Laparoscopy*

**WILLIS C. MADDREY, M.D.**

Magee Professor of Medicine and Chairman of the Department, Jefferson Medical College of Thomas Jefferson University, Philadelphia, PA  
*Chronic Hepatitis*

**CAROLYN MONTGOMERY, M.D.**

Professor in Residence, Department of Anatomic Pathology, University of California, San Francisco, School of Medicine; Acting Chief, Anatomic Pathology Service, San Francisco Veterans Administration Medical Center, San Francisco, CA  
*Alcoholic Liver Disease*

**EDWARD W. MOORE, M.D.**

Professor of Medicine, Physiology, and Pathology and Director of Gastrointestinal Research, Medical College of Virginia School of Medicine, Virginia Commonwealth University; Attending Physician, Medical College of Virginia Hospitals and McGuire Veterans Administration Medical Center, Richmond, VA  
*Pathogenesis and Dissolution of Gallstones*

**ROBERT K. OCKNER, M.D.**

Professor of Medicine and Director, Liver Center, University of California, San Francisco; Chief, Division of Gastroenterology, Moffitt-Long Hospitals; Attending Physician, San Francisco General Hospital and San Francisco Veterans Administration Medical Center; Consultant, Letterman Army Medical Center, San Francisco, CA  
*Drug-Induced Liver Disease*

**GUSTAV PAUMGARTNER, M.D.**

Professor of Medicine and Chairman, Department of Medicine II, University of Munich, Munich, Federal Republic of Germany  
*Extracorporeal Shock-Wave Lithotripsy of Gallstones*

**ROBERT L. PETERS, M.D.\***

Formerly Professor of Pathology, University of Southern California School of Medicine, Los Angeles, CA; and Chief Pathologist, Rancho Los Amigos Medical Center, Downey, CA  
*Hepatic Granulomata*

**NEVILLE R. PIMSTONE, M.D., F.C.P.(S.A.)**

Professor of Internal Medicine, University of California, Davis, School of Medicine, Davis, CA; Chief, Division of Gastroenterology, University of California, Davis, Medical Center, Sacramento, CA  
*Liver Transplantation*

**JORGE RAKELA, M.D.**

Associate Professor of Medicine, Mayo Medical School; Consultant, Division of Gastroenterology and Internal Medicine, Mayo Medical Center, Rochester, MN  
*Cardiovascular and Pulmonary Complications of Liver Diseases*

\*Deceased 2-16-85

**DONALD REED, Ph.D.**

Professor of Biochemistry, Department of Biochemistry and Biophysics, Oregon State University; Director, Environmental Health Sciences Center, Oregon State University, Corvallis, OR  
*Chemical Mechanisms in Drug-Induced Liver Injury*

**TELFER B. REYNOLDS, M.D.**

Clayton G. Loosli Professor of Medicine, University of Southern California School of Medicine; Chief, Hepatology Division, Los Angeles County-University of Southern California Medical Center, Los Angeles, CA  
*Hepatic Granulomata*

**PETER D. I. RICHARDSON, Ph.D.**

Head of Clinical Research, Astra Pharmaceuticals, Ltd., Kings Langley, Hertfordshire, U.K.  
*Liver Blood Flow*

**WILLIAM S. ROBINSON, M.D.**

Professor, Department of Medicine, Stanford University School of Medicine; Attending Physician and Consultant in Infectious Diseases, Stanford University Hospital, Stanford, CA; Consultant in Infectious Diseases, Palo Alto Veterans Administration Medical Center, Palo Alto, CA  
*Biology of Human Hepatitis Viruses*

**JOSEPH ROLL, M.D.**

Assistant Professor of Medicine, University of California, San Francisco, School of Medicine; Attending Physician, San Francisco General Hospital Medical Center  
*Connective Tissue Metabolism and Hepatic Fibrosis*

**BORIS H. RUEBNER, M.D.**

Professor of Pathology, University of California, Davis, School of Medicine, Davis, CA; Attending Physician, University of California, Davis, Medical Center, Sacramento, CA  
*Liver Transplantation*

**TILMAN SAUERBRUCH, M.D.**

Professor of Medicine, Department of Medicine II, University of Munich, Munich, Federal Republic of Germany  
*Extracorporeal Shock-Wave Lithotripsy of Gallstones*

**DANIEL F. SCHAFER, M.D.**

Associate Professor of Internal Medicine, University of Nebraska College of Medicine; Investigator, Liver Study Unit, Omaha Veterans Administration Medical Center, Omaha, NE  
*Hepatic Encephalopathy; Fulminant Hepatic Failure*

**BRUCE F. SCHARSCHMIDT, M.D.**

Professor of Medicine, University of California, San Francisco, School of Medicine; Attending Physician, University of California, San Francisco, Affiliated Hospitals, San Francisco, CA  
*Bile Formation and Cholestasis*

**LEONARD B. SEEFF, M.D.**

Professor of Medicine, Georgetown University School of Medicine; Chief, Gastroenterology and Hepatology Section, Veterans Administration Medical Center, Washington, D.C.  
*Diagnosis, Therapy, and Prognosis of Viral Hepatitis*

**DAVID A. SHAFRITZ, M.D.**

Professor of Medicine and Cell Biology, Albert Einstein College of Medicine, Yeshiva University; Attending Physician, Bronx Municipal Hospital Center, Bronx, NY  
*Hepatitis B Virus Persistence, Chronic Liver Disease, and Primary Liver Cancer*

**MORRIS SHERMAN, M.B., B.Ch., Ph.D.**

Assistant Professor of Medicine, Division of Gastroenterology, University of Toronto; Staff Gastroenterologist, Toronto General Hospital, Toronto, Ontario, Canada  
*Hepatitis B Virus Persistence, Chronic Liver Disease, and Primary Liver Cancer*

**MICHAEL F. SORRELL, M.D.**

Henry J. Lehnhoff Professor and Chairman, Department of Internal Medicine, University of Nebraska College of Medicine; Attending Physician, University of Nebraska Medical Center and Omaha Veterans Administration Hospital, Omaha, NE  
*Synthesis and Secretion of Plasma Proteins by the Liver*

**CLIFFORD J. STEER, M.D.**

Professor of Medicine and Cell Biology and Member, Institute of Human Genetics, University of Minnesota School of Medicine, Minneapolis, MN  
*Receptor-Mediated Endocytosis: Mechanisms, Biologic Function, and Molecular Properties*

**STEPHEN E. STEINBERG, M.D.**

Associate Professor of Medicine, Division of Gastroenterology-Hepatology, State University of New York at Stony Brook Health Sciences Center School of Medicine; Attending Physician, University Hospital at Stony Brook, Stony Brook, NY; Attending Physician, Veterans Administration Medical Center, Northport, NY  
*The Liver and Hematopoiesis*

**ANDREW STOLZ, M.D.**

Assistant Professor of Medicine, University of California, Los Angeles, School of Medicine; Research Associate Investigator, Wadsworth Veterans Administration Medical Center, Los Angeles, CA  
*Biochemical Tests for Liver Disease*

**ANTHONY S. TAVILL, M.D., F.R.C.P.**

Professor of Medicine and Academic Director of Gastroenterology, Case Western Reserve University School of Medicine; Director, Division of Gastroenterology, Cleveland Metropolitan General Hospital, Cleveland, OH  
*Hemochromatosis: Iron Metabolism and the Iron Overload Syndromes*

**RUEDI F. THOENI, M.D.**

Associate Professor of Radiology, University of California, San Francisco; Chief of CT/GI Section, Attending Physician, Medical Center at the University of California, San Francisco, and Moffitt-Long Hospitals, San Francisco, CA  
*Radiologic Evaluation of Disorders of the Liver and Biliary System*

**HOWARD C. THOMAS, B.Sc., Ph.D., M.D., F.R.C.P.**

Professor and Chairman of Medicine, St. Mary's Medical



School, Imperial College of Science, Technology and Medicine, London University; Consultant Hepatologist, St. Mary's Hospital, London, U.K.  
*Immunologic Mechanisms in Chronic Liver Disease*

DAVID R. TRIGER, M.A., B.M., B.Ch., D.Phil., F.R.C.P.

Reader in Medicine, University of Sheffield Medical School; Honorary Consultant Physician, Royal Hallamshire Hospital, Sheffield, U.K.  
*Evaluation of Liver Disease by Radionuclide Scanning*

DEAN J. TUMA, Ph.D.

Professor of Internal Medicine and Biochemistry, University of Nebraska College of Medicine; Associate Career Scientist, Omaha Veterans Administration Medical Center, Omaha, NE  
*Synthesis and Secretion of Plasma Proteins by the Liver*

RAN TUR-KASPA, M.D.

Assistant Professor (Senior Lecturer) of Medicine, Department of Medicine A, Hadassah Medical School of Hebrew University; Permanent Chief Physician, Department of Medicine A, Hadassah University Hospital, Jerusalem, Israel  
*Hepatitis B Virus Persistence, Chronic Liver Disease, and Primary Liver Cancer*

REBECCA W. VAN DYKE, M.D.

Assistant Professor of Medicine, University of California, San Francisco, School of Medicine; Attending Physician, Moffitt-Long Hospitals, San Francisco, CA  
*The Liver in Pregnancy*

DAVID H. VAN THIEL, M.D.

Professor of Medicine, University of Pittsburgh School of Medicine; Chief of Gastroenterology at the University of Pittsburgh and Presbyterian-University Hospital, Pittsburgh, PA  
*Disorders of the Hypothalamic-Pituitary-Gonadal and Thyroidal Axes in Patients with Liver Disease*

DONALD A. VESSEY, Ph.D.

Professor of Medicine and Pharmacology, University of California, San Francisco, School of Medicine; Co-Chief, Liver Study Unit, San Francisco Veterans Administration Medical Center, San Francisco, CA  
*Metabolism of Drugs and Toxins by the Human Liver*

JOHN M. VIERLING, M.D.

Associate Professor of Medicine, University of Colorado School of Medicine; Director, Transplantation Hepatology, University of Colorado Health Sciences Center; Attending Physician, Denver Veterans Administration Medical Center, Denver, CO  
*Hepatobiliary Complications of Ulcerative Colitis and Crohn's Disease; Primary Biliary Cirrhosis*

Z. R. VLAHCEVIC, M.D.

Professor and Chairman, Division of Gastroenterology, Virginia Commonwealth University Medical College of Virginia; Chief, Gastroenterology Section, McGuire Veterans Administration Medical Center, Richmond, VA  
*Physiology and Pathophysiology of Enterohepatic Circulation of Bile Acids, Pathogenesis and Dissolution of Gallstones*

RICHARD WARD, M.D.

Professor of Surgery, University of California, Davis, Medical Center, Sacramento, CA  
*Liver Transplantation*

ROGER L. WILLIAMS, M.D.

Associate Professor of Medicine and Pharmacy, University of California, San Francisco, Schools of Medicine and Pharmacy; Director, Drug Studies Unit, School of Pharmacy, University of California, San Francisco, San Francisco, CA  
*Hepatic Function and Pharmacokinetics*

PETER G. WITHERINGTON, Ph.D.

Associate Professor, The Medical College of St. Bartholomew's Hospital, University of London; Attending Physician, Saint Bartholomew's Hospital, London, U.K.  
*Liver Blood Flow*

CAMILLUS L. WITZLEBEN, M.D.

Professor of Pathology, University of Pennsylvania School of Medicine; Pathologist-in-Chief, Children's Hospital of Philadelphia, Philadelphia, PA  
*Cystic Diseases of the Liver*

TERESA L. WRIGHT, B.M., B.S.

Assistant Professor of Medicine, University of California, San Francisco, School of Medicine; Attending Physician, San Francisco Veterans Administration Medical Center, San Francisco, CA  
*Diagnosis and Management of Cirrhotic Ascites*

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# PREFACE TO SECOND EDITION

The goal of the first edition of *Hepatology* was to provide a framework of pathophysiology as a basis for understanding liver function and liver disease in addition to authoritative, up-to-date descriptions of the clinical and laboratory manifestations of liver diseases and the diagnostic and therapeutic strategies for managing them. Half of the first edition thus comprised discussions of hepatic morphology, physiology, and biochemistry; mechanisms of injury to the liver; and the impact of disordered hepatic function on the physiology of other systems. The interval of seven years between the first and second editions of *Hepatology* has not weakened our belief that the practice of medicine is most effective when based on an understanding of the fundamental pathophysiologic events that lead to disordered function. The philosophy determining the organization and content of the second edition hence is the same as it was for the first. But there have been major changes in *Hepatology* because of new knowledge about liver function and about the causes and treatments of liver disease.

Thirty-seven contributors to the second edition were not represented in the first. Several new chapters have been added, and there is expanded coverage in many of the revised chapters. Changes in authorship have been made to infuse the book with new perspectives, even in well-established aspects of liver disease. Sadly, however, Dr. Robert Peters, who was an important contributor to the first edition, has died. His skill as a pathologist and dedication to scholarship in medicine will be missed by everyone with an interest in liver disease.

Section I of the current edition continues to discuss normal morphology and function. New chapters have been added here on receptor-mediated endocytosis, collagen and lymphokine metabolism, and the metabolism of bile acids. The problem of cirrhotic ascites in Section II (Manifestations of Liver Disease) is now a separate chapter. Section IV, which is devoted to the clinical aspects of liver disease, contains the largest number of completely new chapters, providing new information on the chemical mechanisms of drug-induced liver injury, the molecular biology of persistent infection with hepatitis B virus, surgical management of liver trauma, surgical management of liver tumors, and liver disease in pregnancy. The single chapter on diseases of the biliary tract in the first edition has been expanded to five chapters, including one on lithotripsy.

As was true seven years ago, there remain unresolved problems in patients with liver disease and controversies about the application of therapies. Areas of uncertainty and controversy are delineated in the text so that the reader will discern not only where we are in the progressive struggle to change the natural course of liver disease but also where we need to go.

Finally, we continue to hope that *Hepatology*, by defining areas of insufficient knowledge and controversy, will stimulate students and investigators to pursue definitive answers to the important problems that remain unsolved.

DAVID ZAKIM  
THOMAS D. BOYER

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