



PEARLS OF **WISDOM**

Gastroenterology & Hepatology Board Review

THIRD EDITION

- **3,500+ questions**
- **Perfect for in-service and board exam review**
- **More than 100 clinical images**
- **NEW full-color insert with clinical images**



CONCISE
•
RAPID
•
EFFECTIVE

John K. DiBaise

[STORMRG]



Gastroenterology and Hepatology

BOARD REVIEW

Third Edition

John K. DiBaise, MD
*Professor of Medicine
Division of Gastroenterology
Mayo Clinic
Scottsdale, Arizona*

**Mc
Graw
Hill** **Medical**

New York Chicago San Francisco Lisbon London Madrid Mexico City Milan
New Delhi San Juan Seoul Singapore Sydney Toronto

Copyright © 2012, 2006 by The McGraw-Hill Companies, Inc. All rights reserved. Except as permitted under the United States Copyright Act of 1976, no part of this publication may be reproduced or distributed in any form or by any means, or stored in a database or retrieval system without the prior written permission of the publisher.

ISBN: 978-0-07-177271-6

MHID: 0-07-177271-5

The material in this eBook also appears in the print version of this title: ISBN: 978-0-07-176166-7
MHID: 0-07-176166-7.

All trademarks are trademarks of their respective owners. Rather than put a trademark symbol after every occurrence of a trademarked name, we use names in an editorial fashion only, and to the benefit of the trademark owner, with no intention of infringement of the trademark. Where such designations appear in this book, they have been printed with initial caps.

McGraw-Hill eBooks are available at special quantity discounts to use as premiums and sales promotions, or for use in corporate training programs. To contact a representative please e-mail us at bulksales@mcgraw-hill.com.

Notice

Medicine is an ever-changing science. As new research and clinical experience broaden our knowledge, changes in treatment and drug therapy are required. The authors and the publisher of this work have checked with sources believed to be reliable in their efforts to provide information that is complete and generally in accord with the standards accepted at the time of publication. However, in view of the possibility of human error or changes in medical sciences, neither the authors nor the publisher nor any other party who has been involved in the preparation or publication of this work warrants that the information contained herein is in every respect accurate or complete, and the publisher disclaims all responsibility for any errors or omissions or for the results obtained from use of the information contained in this work. Readers are encouraged to confirm the information contained herein with other sources. For example and in particular, readers are advised to check the product information sheet included in the package of each drug they plan to administer to be certain that the information contained in this work is accurate and that changes have not been made in the recommended dose or in the contraindications for administration. This recommendation is of particular importance in connection with new or infrequently used drugs.

TERMS OF USE

This is a copyrighted work and The McGraw-Hill Companies, Inc. (“McGraw-Hill”) and its licensors reserve all rights in and to the work. Use of this work is subject to these terms. Except as permitted under the Copyright Act of 1976 and the right to store and retrieve one copy of the work, you may not decompile, disassemble, reverse engineer, reproduce, modify, create derivative works based upon, transmit, distribute, disseminate, sell, publish or sublicense the work or any part of it without McGraw-Hill’s prior consent. You may use the work for your own noncommercial and personal use

any other use of the work is strictly prohibited. Your right to use the work may be terminated if you fail to comply with these terms.

THE WORK IS PROVIDED "AS IS." MCGRAW-HILL AND ITS LICENSORS MAKE NO GUARANTEES OR WARRANTIES AS TO THE ACCURACY, ADEQUACY OR COMPLETENESS OF OR RESULTS TO BE OBTAINED FROM USING THE WORK, INCLUDING ANY INFORMATION THAT CAN BE ACCESSED THROUGH THE WORK VIA HYPERLINK OR OTHERWISE, AND EXPRESSLY DISCLAIM ANY WARRANTY, EXPRESS OR IMPLIED INCLUDING BUT NOT LIMITED TO IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. McGraw-Hill and its licensors do not warrant or guarantee that the functions contained in the work will meet your requirements or that its operation will be uninterrupted or error free. Neither McGraw-Hill nor its licensors shall be liable to you or anyone else for any inaccuracy, error or omission, regardless of cause, in the work or for any damages resulting therefrom. McGraw-Hill has no responsibility for the content of any information accessed through the work. Under no circumstances shall McGraw-Hill and/or its licensors be liable for any indirect, incidental, special, punitive, consequential or similar damages that result from the use of the work, even if any of them has been advised of the possibility of such damages. This limitation of liability shall apply to any claim or cause whatsoever whether such claim or cause arises in contract, tort or otherwise.

CONTENTS

[Color insert can be found after page](#)

[Contributors](#)

[Preface](#)

GASTROENTEROLOGY

[1. Gastrointestinal Bleeding](#)

[2. Gastrointestinal Pathology](#)

[3. Abdominal Cavity: Congenital Abnormalities, Abscesses, and Fistulae](#)

[4. Foreign Bodies and Caustic Injury](#)

[5. Pediatric Gastrointestinal Diseases](#)

[6. Radiation and Ischemic Injury and Vascular Abnormalities](#)

[7. Travel Matters in Gastroenterology](#)

ESOPHAGUS

[8. Esophageal Congenital and Structural Abnormalities](#)

[9. Esophageal Infectious Disorders](#)

[10. Esophageal Motility Disorders](#)

[11. Esophageal Miscellaneous Inflammatory Diseases](#)

[12. Esophageal Tumors](#)

[13. Gastroesophageal Reflux Disease](#)

STOMACH

[14. Gastric Congenital and Structural Abnormalities](#)

[15. Gastric Infectious Disorders](#)

[16. Gastric Motility Disorders](#)

[17. Gastric Tumors](#)

[18. Peptic Ulcer Disease and Its Complications](#)

[19. Surgical Aspects of Peptic Ulcer Disease](#)

SMALL INTESTINE

[20. Small Intestinal Congenital and Structural Abnormalities](#)

[21. Small Intestinal Infectious Disorders](#)

[22. Small Intestinal Motility Disorders](#)

[23. Small Intestinal Tumors](#)

LARGE INTESTINE

[24. Large Intestinal Congenital and Structural Abnormalities](#)

[25. Large Intestinal Infectious Disorders](#)

[26. Large Intestinal Motility Disorders](#)

[27. Large Intestinal Miscellaneous Inflammatory Diseases](#)

[28. Large Intestinal Tumors](#)

[29. Disorders of the Pelvic Floor and Anorectum](#)

[30. Inflammatory Bowel Disease](#)

GALLBLADDER, BILE DUCTS, AND PANCREAS

[31. Gallbladder, Bile Duct, and Pancreatic Congenital and Structural Abnormalities](#)

[32. Gallbladder, Bile Duct, and Pancreatic Infectious Disorders](#)

[33. Gallbladder and Biliary Motility Disorders](#)

[34. Gallbladder and Bile Duct Miscellaneous Inflammatory Diseases](#)

[35. Pancreatic Miscellaneous Inflammatory Diseases](#)

[36. Gallbladder and Bile Duct Tumors](#)

[37. Pancreatic Tumors](#)

[38. Acute and Chronic Pancreatitis](#)

[39. Medical Aspects of Cholelithiasis](#)

[40. Surgical Aspects of Cholelithiasis](#)

NUTRITION

[41. Maldigestion and Malabsorption](#)

[42. Short Bowel Syndrome](#)

[43. Clinical Nutrition, Enteral, and Parenteral Nutrition Support](#)

[44. Obesity and Eating Disorders](#)

HEPATOLOGY

[45. Acute Liver Failure and Liver Transplantation](#)

[46. Alcoholic Liver Disease and Nonalcoholic Steatohepatitis](#)

[47. Autoimmune, Cholestatic, and Overlap Liver Disorders](#)

[48. Cirrhosis and Its Complications](#)

[49. Congenital and Structural Abnormalities and Pediatric Diseases of the Liver](#)

[50. Drug-Induced, Granulomatous, and Other Inflammatory Hepatic Diseases](#)

[51. Hepatobiliary Pathology](#)

[52. Hepatic Infectious Disorders](#)

[53. Metabolic Liver Disorders](#)

[54. Hepatic Tumors and Cysts](#)

[55. Hepatic Vascular Disorders](#)

[56. Viral Hepatitis](#)

MISCELLANEOUS TOPICS

57. Biostatistics for the Gastroenterologist

58. Gastrointestinal and Liver Dermatoses

59. Gastrointestinal and Hepatobiliary Manifestations of HIV and AIDS

60. Gastrointestinal and Hepatobiliary Disorders in Pregnancy

61. Gastrointestinal and Liver Radiology

62. Gastrointestinal and Pancreaticobiliary Endoscopy

CONTRIBUTORS

Bhupinder S. Anand, MD

Professor of Medicine

Baylor College of Medicine

Staff Physician

Michael DeBakey Veterans Association Medical Center

Houston, Texas

Cirrhosis and Its Complications

Jamie S. Barkin, MD, MACP, MACG

Professor of Medicine

University of Miami

Miller School of Medicine

Chief, Division of Gastroenterology

Mt. Sinai Medical Center

Miami, Florida

Acute and Chronic Pancreatitis

Erika S. Boroff, MD

Consultant, Primary Care Internal Medicine

Community Internal Medicine

Mayo Clinic

Scottsdale, Arizona

Gastrointestinal and Hepatobiliary Disorders in Pregnancy

Randall E. Brand, MD

Professor of Medicine

University of Pittsburgh

University of Pittsburgh Medical Center

Pittsburgh, Pennsylvania

Gallbladder and Bile Duct Tumors

Pancreatic Tumors

Thomas J. Byrne, MD, MSCR

Assistant Professor of Medicine

Mayo Medical School

Phoenix, Arizona

Consultant, Divisions of Hepatology and

Gastroenterology

Mayo Clinic

Scottsdale, Arizona

Autoimmune and Cholestatic Conditions and

Overlap Syndromes

Elizabeth J. Carey, MD

Assistant Professor of Medicine
Consultant, Divisions of Hepatology and
Gastroenterology

Mayo Clinic

Phoenix, Arizona

Gastrointestinal and Hepatobiliary Disorders in Pregnancy

Darwin L. Conwell, MD, MS

Associate Professor of Medicine

Harvard Medical School

Associate Physician

Division of Gastroenterology, Hepatology and
Endoscopy

Brigham and Women's Hospital

Boston, Massachusetts

*Gallbladder, Bile Duct and Pancreatic Congenital and
Structural Abnormalities*

Michael D. Crowell, PhD, FACG, AGAF

Professor of Medicine

Consultant, Division of Gastroenterology

Co-Director, Gastrointestinal Physiology and Motility

Mayo Clinic

Phoenix, Arizona

Esophageal Motility Disorders

Joseph J. Cullen, MD

Professor of Surgery

University of Iowa

Carver College of Medicine

Chief, Surgical Services

Veterans Affairs Medical Center

Iowa City, Iowa

Surgical Aspects of Peptic Ulcer Disease

Nora Decher, MS, RD, CNSC

Nutrition Support Specialist

University of Virginia Health System

Digestive Health Center of Excellence

Charlottesville, Virginia

Short Bowel Syndrome

Parakkal Deepak, MD

Lifetract Clinical Research Fellow, Gastroenterology

NorthShore University Health System

Evanston, Illinois

Gastrointestinal and Hepatobiliary Manifestations of

HIV and AIDS

Maldigestion and Malabsorption

Chirag S. Desai, MD

Assistant Professor of Surgery

Division of Transplantation

University of Arizona

Tucson, Arizona

Congenital and Structural Abnormalities and Pediatric

Diseases of the Liver

John K. DiBaise, MD

Professor of Medicine

Division of Gastroenterology

Mayo Clinic

Scottsdale, Arizona

Esophageal Miscellaneous Inflammatory Diseases

Gastric Motility Disorders

Gastrointestinal Bleeding

Michelle O. DiBaise, MPAS, PA-C, DFAAPA

Associate Clinical Professor

Northern Arizona University

Physician Assistant Program

Phoenix, Arizona

Gastrointestinal and Liver Dermatoses

Ivana Dzeletovic, MD

Fellow, Gastroenterology and Hepatology

Division of Gastroenterology

Mayo Clinic

Scottsdale, Arizona

Gastrointestinal and Pancreaticobiliary Endoscopy

Eli D. Ehrenpreis, MD

Chief, Gastroenterology and Endoscopy

Highland Park Hospital

Clinical Associate Professor of Medicine

University of Chicago

Director, Center for the Study of Complex Diseases

NorthShore University Health System

Evanston, Illinois

Gastrointestinal and Hepatobiliary Manifestations of

HIV and AIDS

Maldigestion and Malabsorption

Atilla Ertan, MD, AGAF, MACG

Professor

The University of Texas
Medical School at Houston

Houston, Texas

Medical Aspects of Cholelithiasis

Douglas O. Faigel, MD, FACG, FASGE, AGAF

Professor of Medicine

Division of Gastroenterology and Hepatology

Mayo Clinic College of Medicine

Scottsdale, Arizona

Gastric Tumors

Ronnie Fass, MD

Professor of Medicine

University of Arizona

Chief, Gastroenterology

Neuroenteric Clinical Research Group

Southern Arizona Veterans Administration Health

Care System

Tucson, Arizona

Esophageal Congenital and Structural

Abnormalities

Nicholas Ferrentino, MD

Associate Professor of Medicine

Fellowship Program Director

Division of Gastroenterology and Hepatology

University of Vermont

College of Medicine

Burlington, Vermont

Hepatic Infectious Disorders

Hepatic Vascular Disorders

M. Isabel Fiel, MD

Professor of Pathology

Department of Pathology

Mount Sinai School of Medicine

New York, New York

Hepatic Tumors and Cysts

Ryan M. Ford, MD

Assistant Professor of Transplant Hepatology and

Digestive Diseases

Emory University

Atlanta, Georgia

Alcoholic Liver Disease and Nonalcoholic

Steatohepatitis

Temitope Foster, MD, MSCR

Assistant Professor of Medicine

Division of Digestive Diseases

Emory University School of Medicine

Atlanta, Georgia

*Alcoholic Liver Disease and Nonalcoholic
Steatohepatitis***David J. Frantz, MD, MS**

Fellow, Division of Gastroenterology

Department of Medicine

The University of North Carolina at Chapel Hill

Chapel Hill, North Carolina

*Obesity and Eating Disorders***Juan F. Gallegos-Orozco, MD**

Assistant Professor of Medicine

College of Medicine

Fellow, Transplant Hepatology

Division of Hepatology

Mayo Clinic

Phoenix, Arizona

*Drug-Induced, Granulomatous, and Other
Inflammatory Hepatic Diseases***Eric B. Goosenberg, MD**

Senior Gastroenterologist

Abington Memorial Hospital

Abington, Pennsylvania

Attending Gastroenterologist

Holy Redeemer Hospital

Meadowbrook, Pennsylvania

*Esophageal Infectious Disorders**Esophageal Tumors***Kunal Gupta, MD, MBA**

Clinical Instructor of Medicine

Fellow, Division of Gastroenterology and
Hepatology

University of Vermont

College of Medicine

Burlington, Vermont

*Hepatic Vascular Disorders***Suryakanth R. Gurudu, MD, FACP, FASGE**

Assistant Professor of Medicine

Mayo Medical School

Mayo Clinic
Division of Gastroenterology
Scottsdale, Arizona
Small Intestinal Tumors

Stephanie L. Hansel, MD, MS
Assistant Professor
Division of Gastroenterology and Hepatology
Mayo Clinic
Rochester, Minnesota
Gallbladder and Biliary Motility Disorders

Andrew D. Hardie, MD
Assistant Professor of Radiology
Department of Radiology and Radiological Sciences
Medical University of South Carolina
Charleston, South Carolina
Gastrointestinal and Liver Radiology

Jana G. Hashash, MD
Fellow, Division of Gastroenterology, Hepatology, and
Nutrition
University of Pittsburgh
Pittsburgh, Pennsylvania
Gallbladder and Bile Duct Tumors
Pancreatic Tumors

Rejy Joseph, MD, MRCP
Resident, Department of Medicine
Pennsylvania Hospital
University of Pennsylvania Health System
Philadelphia, Pennsylvania
Small Intestinal Motility Disorders

Doron D. Kahana, MD, FAAP, CPNS
Assistant Clinical Professor of Pediatrics
Department of Pediatrics
Harbor-University of California, Los Angeles
The David Geffen School of Medicine
Torrance, California
*Congenital and Structural Abnormalities and Pediatric
Diseases of the Liver*

Khalid M. Khan, MBChB, MRCP
Associate Professor
Department of Surgery
University of Arizona
Tucson, Arizona

Reena Khanna, MD, FRCPC

Division of Gastroenterology
McMaster University
Hamilton, Ontario, Canada

Large Intestinal Miscellaneous Inflammatory Diseases

David G. Koch, MD, MSCR

Assistant Professor
Department of Medicine
Division of Gastroenterology and Hepatology
Medical University of South Carolina
Charleston, South Carolina
Gastrointestinal and Liver Radiology

Joseph Krenitsky, MS, RD

Nutrition Support Specialist
Division of Gastroenterology and Hepatology
University of Virginia Health System
Charlottesville, Virginia
*Clinical Nutrition, Enteral, and Parenteral
Nutrition Support*

Brian E. Lacy, PhD, MD

Associate Professor of Medicine
Dartmouth Medical School
Director, Gastrointestinal Motility Lab
Dartmouth-Hitchcock Medical Center
Lebanon, New Hampshire
Esophageal Motility Disorders

Linda S. Lee, MD

Assistant Professor of Medicine
Harvard Medical School
Director, Women's Health in Gastroenterology and
Endoscopic Education
Brigham and Women's Hospital
Boston, Massachusetts
*Gallbladder, Bile Duct, and Pancreatic Congenital and
Structural Abnormalities*

Elizabeth Lyden, MS

Statistical Coordinator
College of Public Health
University of Nebraska Medical Center
Omaha, Nebraska

James A. Madura, II, MD, FACS

Assistant Professor of Surgery
Director, Bariatric Surgery Program
Mayo Clinic
Phoenix, Arizona

*Abdominal Cavity: Congenital Abnormalities, Abscesses,
and Fistulae*

John K. Marshall, MD, MSc, FRCPC, AGAF

Division of Gastroenterology
McMaster University
Hamilton, Ontario, Canada

Large Intestinal Miscellaneous Inflammatory Diseases

Timothy M. McCashland, MD

Professor of Medicine
Department of Gastroenterology and Hepatology
University of Nebraska Medical Center
Omaha, Nebraska

Acute Liver Failure and Liver Transplantation

Denise McCormack, MD

Resident, Department of Surgery
Danbury Hospital
Danbury, Connecticut

*Gallbladder, Bile Duct, and Pancreatic Infectious Disorders
Pancreas Miscellaneous Inflammatory Diseases*

David W. McFadden, MD, MBA

Professor and Chair
Department of Surgery
University of Vermont
Associate Dean for Regional Academic Affairs
Burlington, Vermont

*Gallbladder, Bile Duct, and Pancreatic Infectious Disorders
Pancreatic Miscellaneous Inflammatory Diseases*

Ibraheem Mized, MD

Gastrointestinal Fellow, Division of Gastroenterology
The University of Arizona College of Medicine
Tucson, Arizona

Surgical Aspects of Cholelithiasis

Enrique G. Molina, MD

Senior Fellow
University of Miami

Miller School of Medicine

Mt. Sinai Medical Center

Miami, Florida

Acute and Chronic Pancreatitis

Sandeep Mukherjee, MD

Associate Professor of Medicine

Department of Internal Medicine

Section of Gastroenterology and Hepatology

University of Nebraska Medical Center

Omaha, Nebraska

Viral Hepatitis

Marco A. Olivera-Martínez, MD

Assistant Professor of Medicine

Department of Internal Medicine

Section of Gastroenterology and Hepatology

University of Nebraska Medical Center

Omaha, Nebraska

Viral Hepatitis

Rahul Pannala, MD, MPH

Assistant Professor

Senior Associate Consultant

Division of Gastroenterology

Mayo Clinic

Scottsdale, Arizona

Gastrointestinal and Pancreaticobiliary Endoscopy

Samir Parekh, MD

Assistant Professor of Medicine

Division of Digestive Diseases and The Emory

Transplant Center

Emory University School of Medicine

Atlanta, Georgia

Metabolic Liver Disorders

Carol Rees Parrish, MS, RD

Nutrition Support Specialist

University of Virginia Health System

Digestive Health Center of Excellence

Charlottesville, Virginia

Clinical Nutrition, Enteral, and Parenteral

Nutrition Support

Short Bowel Syndrome

Shabana F. Pasha, MD

Assistant Professor of Medicine

Vice Chair, Research
Director, Small Bowel Disorders Clinic
Division of Gastroenterology
Mayo Clinic
Scottsdale, Arizona
*Radiation and Ischemic Injury and Vascular
Abnormalities*

Amir Patel, MD
Department of Medicine
NorthShore University HealthSystems
Teaching Affiliate of The University of Chicago
Evanston, Illinois
Large Intestinal Tumors

Isaac Raijman, MD
Clinical Associate Professor
Baylor College of Medicine and University of Texas
Health Science Center
Digestive Associates of Houston
Houston, Texas
*Gallbladder and Bile Duct Miscellaneous Inflammatory
Diseases*

Francisco C. Ramirez, MD
Professor of Medicine
Mayo Clinic College of Medicine
Mayo Clinic
Scottsdale, Arizona
Peptic Ulcer Disease and Its Complications

Yehuda Ringel, MD
Associate Professor of Medicine
Division of Gastroenterology and Hepatology
The University of North Carolina School of
Medicine
Chapel Hill, North Carolina
Disorders of the Pelvic Floor and Anorectum

Tamar Ringel-Kulka, MD, MPH
Assistant Professor of Maternal and
Child Health
Gillings School of Global Public Health
The University of North Carolina at Chapel Hill
Chapel Hill, North Carolina
Obesity and Eating Disorders

Rene Rivera, MD

Clinical Instructor
Department of Gastroenterology and Hepatology
University of Rochester Medical Center
Rochester, New York
Gastric Congenital and Structural Abnormalities

Cory A. Roberts, MD
Clinical Associate Professor
University of Texas Southwestern Medical Center
Director, Gastrointestinal and Hepatic Pathology
President, Chairman and Medical Director - ProPath
Dallas, Texas
Gastrointestinal Pathology
Hepatobiliary Pathology

Robin D. Rothstein, MD
Associate Professor of Medicine
Department of Medicine
Pennsylvania Hospital
University of Pennsylvania Health System
Philadelphia, Pennsylvania
Small Intestinal Motility Disorders

Hemant K. Roy, MD
Director, Research and Vice Chair
Section of Gastroenterology
NorthShore University HealthSystems
Clinical Associate Professor of Medicine
University of Chicago Pritzker School of Medicine
Evanston, Illinois
Large Intestinal Tumors

Kevin C. Ruff, MD
Division of Gastroenterology and Hepatology
Department of Internal Medicine
Mayo Clinic
Scottsdale, Arizona
Gastric Infectious Disorders
Small Intestinal Infectious Disorders

Claudia P. Sanmiguel, MD
Fellow, Gastroenterology
University of California
Los Angeles, California
Large Intestinal Motility Disorders

Neeraj K. Sardana, MD
Clinical Instructor of Medicine

Fellow, Division of Gastroenterology and Hepatology
University of Vermont
College of Medicine
Burlington, Vermont
Hepatic Infectious Disorders

Thomas D. Schiano, MD
Professor of Medicine
Division of Liver Diseases Mount Sinai Medical Center
New York, New York
Hepatic Tumors and Cysts

Kendra K. Schmid, PhD
Department of Biostatistics
College of Public Health
University of Nebraska Medical Center
Omaha, Nebraska
Biostatistics for the Gastroenterologist

Ashok N. Shah, MD, MS, FRCP, MACG, AGAF
Professor of Medicine
Department of Gastroenterology and Hepatology
University of Rochester Medical Center
Rochester, New York
Gastric Congenital and Structural Abnormalities
Large Intestinal Congenital and Structural Abnormalities
Small Intestinal Congenital and Structural Abnormalities

Rajiv Sharma, MD
Clinical Instructor
Department of Gastroenterology and Hepatology
University of Rochester Medical Center
Rochester, New York
Small Intestinal Congenital and Structural Abnormalities
Large Intestinal Congenital and Structural Abnormalities

Humberto Sifuentes, MD
Section of Gastroenterology and Hepatology
Georgia Health Sciences University
Augusta, Georgia
*Gastrointestinal and Hepatobiliary Manifestations of
HIV and AIDS*

Jessica K. Smith, MD
Assistant Professor of Surgery
Division of Gastrointestinal, Minimally Invasive and
Bariatric Surgery
University of Iowa Hospitals and Clinics

Staff Surgeon, Iowa City Veterans Medical Center

Iowa City, Iowa

Surgical Aspects of Peptic Ulcer Disease

Edy E. Soffer, MD

Gastrointestinal Motility Program

Cedars-Sinai Medical Center

Los Angeles, California

Large Intestinal Motility Disorders

Matthew L. Stephenson, MD

Chief Resident, Department of Radiology

Medical University of South Carolina

Charleston, South Carolina

Gastrointestinal and Liver Radiology

Eugene A. Trowers, MD, MPH, FACP

Clinical Professor of Medicine, Gastroenterology

Department of Medicine

The University of Arizona College of Medicine

Tucson, Arizona

Surgical Aspects of Cholelithiasis

Jon A. Vanderhoof, MD

Executive Medical Advisor

Children's Hospital Boston

Harvard Medical School

Boston, Massachusetts

Pediatric Gastrointestinal Diseases

Hugo E. Vargas, MD

Chair, Division of Hepatology

Professor of Medicine

College of Medicine

Mayo Clinic

Phoenix, Arizona

Drug-Induced, Granulomatous, and Other

Inflammatory Hepatic Diseases

Rajeev Vasudeva, MD, FACG

Clinical Professor

University of South Carolina School of Medicine

Consultant in Gastroenterology

Director of Endoscopy

Palmetto Health Richland

Columbia, South Carolina

Foreign Bodies and Caustic Injury

Gastroesophageal Reflux Disease

Holenarasipur R. Vikram, MD, FACP, FIDSA

Assistant Professor of Medicine

Consultant, Division of Infectious Diseases

Mayo Clinic

Phoenix, Arizona

Large Intestinal Infectious Disorders

Abinash Virk, MD, DTM&H

Associate Professor of Medicine

Mayo Clinic College of Medicine

Rochester, Minnesota

Travel Matters in Gastroenterology

David S. Wolf, MD

Assistant Professor

The University of Texas

Medical School at Houston

Houston, Texas

Medical Aspects of Cholelithiasis

Richard A. Wright, MD

Professor of Medicine

Arthur M. Schoen, MD Chair in Gastroenterology

Division of Gastroenterology, Hepatology and
Nutrition

University of Louisville

Louisville, Kentucky

Gastric Motility Disorders

Renee L. Young, MD

Associate Professor

Division of Gastroenterology and Hepatology

Department of Internal Medicine

University of Nebraska Medical Center

Omaha, Nebraska

Inflammatory Bowel Disease

- [download En midsommarnattsdrÅ¶m \(A-gruppen, Book 6\)](#)
- [read Confucius: And the World He Created online](#)
- [read 101 Ways to Workout on the Ball: Sculpt Your Ideal Body with Pilates, Yoga, and More pdf, azw \(kindle\), epub](#)
- **[read On Fire book](#)**
- **[click My Irish Table: Recipes from the Homeland and Restaurant Eve](#)**
- [read Charles Dickens book](#)

- <http://www.netc-bd.com/ebooks/Outlaw-of-Gor.pdf>
- <http://bestarthritiscare.com/library/Confucius--And-the-World-He-Created.pdf>
- <http://ramazotti.ru/library/101-Ways-to-Workout-on-the-Ball--Sculpt-Your-Ideal-Body-with-Pilates--Yoga--and-More.pdf>
- <http://flog.co.id/library/Kapitoil.pdf>
- <http://nexson.arzamaszev.com/library/Satisfying-Slow-Cooker-Meals-and-More--80-Easy-Recipes-for-Every-Taste.pdf>
- <http://wind-in-herleshausen.de/?freebooks/The-Modern-Moon--A-Personal-View.pdf>