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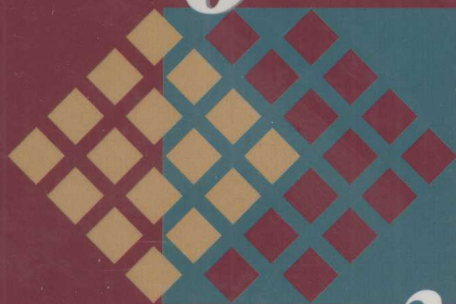
Sleisenger & Fordtran's

Gastrointestinal and Liver Disease

Pathophysiology / Diagnosis / Management

下册

6th Edition



Volume 2

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施莱辛格-福德特兰胃肠病学

第6版 • 下册

Sleisenger & Fordtran's Gastrointestinal and Liver Disease Pathophysiology/Diagnosis/Management

Sixth Edition • Volume 2

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Dedication

*The Editors dedicate the Sixth Edition of this textbook to our close friend and colleague, John S. Fordtran, in recognition of his enormous contributions to **Gastrointestinal Disease**. As Co-editor for five editions, he has been a guiding force for this book during the past 25 years, including the Sixth Edition. We hope this Edition meets his high standards for accuracy, completeness, and clarity. Thanks, John, for your invaluable participation and for your collegiality and friendship as well.*

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Foreword

Work on the first edition of this book began in 1970, and the first edition was published in 1973. The editors, in their acknowledgments, gave special thanks to eight men who lent the prestige of their names and positions to the new venture and who worked almost as hard on the first edition as the editors. They were Lloyd L. Brandborg; Robert M. Donaldson, Jr.; Henry I. Goldberg; James E. McGuigan; James H. Meyer; Charles E. Pope II; Jerry S. Trier; and Murray Davidson. John H. Walsh should have been included in this group. Many of these men stayed with several subsequent editions, and three of them—McGuigan, Trier, and Walsh—have written for every edition. The first edition of the book was also strongly promoted by Tom Almy, Mort Grossman, and Franz Ingelfinger. It is sad but revealing to note that current fellows and most young gastroenterologists barely know their names, let alone what they stood for and what they contributed to gastroenterology.

Each of the first five editions of the book was carefully evaluated before a new edition was planned. The quality of each chapter was critically reviewed by outside consultants, and on the basis of these reviews, new authors were chosen as indicated. New topics were added or expanded, and some old ones were dropped or received diminished emphasis. Thus, on a 5-year recurring cycle, its authors review the new literature, separate fact from unwarranted speculation, and create revised perspectives. In the first edition, therapeutic endoscopy, sonography, and computed tomography were not discussed; there was only one reference and one paragraph on colonoscopy; the effects of H_2 receptor antagonists and prostaglandins on stomach secretions of acid and bicarbonate were unknown; pseudomembranous colitis as a sequel to oral lincomycin had just been discovered, but the role of *Clostridium difficile* was unknown; and what was known about the enterohepatic circulation was covered in one paragraph. In the first edition, gastric analysis, radiology, gastric surgery for ulcer disease, and psychosomatics received much more extensive coverage and emphasis than in subsequent editions. Thus the evolution of gastroenterology over the past 25 years can readily be ascertained by a comparative review of the first five editions.

By far the most significant change in the book has occurred in this edition: namely, the full coverage of liver diseases. In the beginning, liver diseases were excluded because several good liver texts were available and because in 1970 a clear distinction between hepatology and gastroenterology seemed to be emerging. There was a strong trend in medical schools to create separate divisions of hepatology and gastroenterology. This trend did not continue, and as time has gone on, the line of demarcation has become less and less distinct, in part because of the advent of endoscopic procedures to diagnose and treat liver diseases and in part because practicing clinicians never accepted the division. Thus it no longer seems logical to exclude liver diseases from this textbook. Accommodating a complete liver section, without going to three volumes, required a reduction the overall length of the traditional chapters. The risk of this plan was that the traditional chapters might be weakened as their lengths were reduced. However, the three editors were convinced that if they took the time and made the effort to do it right, by making selective rather than across-the-board cuts, the average 10% reduction in the length of the traditional chapters would actually improve those chapters because they would be more concisely written. They worked very hard to achieve this improvement, and from the chapters that I have read, I believe that they have succeeded.

I am pleased that the sixth edition moved back to the organization of the first edition, with substantial early sections devoted to the pathophysiology and differential diagnosis of specific symptoms, signs, and syndromes, followed by a detailed description of each disease. A textbook with the purpose of this one demands both approaches, even though it sometimes leads to duplication.

The title and subtitle of this textbook clearly state its purpose, which is to teach pathophysiology, diagnosis, and management of gastrointestinal disease to those who are (or who want to be) clinical scholars. The book would never have been a success in the first place if it had not been written with this readership in mind. In the Foreword to the second edition, Franz Ingelfinger said that this book had become the standard *vade mecum* down the gut. *Vade mecum* means go with me: in this context, the standard book for ready reference, regularly carried about. I am confident that the editors have again produced the standard *vade mecum*, what I would call the best textbook friend of the GI scholar or, as Ingelfinger might have said it, *liber studiosus amicissimus*.

JOHN S. FORDTRAN, M.D.

Preface

The sixth edition of *Gastrointestinal and Liver Disease* has been planned to provide a comprehensive and authoritative text not only for gastroenterologists and general internists but also for trainees in gastroenterology, residents in medicine and surgery, and medical students. Since publication of the fifth edition in 1993, the editors have, with the help of many gastroenterologists, reviewed and evaluated the merits of each chapter, as well as the overall style and organization of the book.

There are two notable changes in the content and organization of the sixth edition. First, and most important, is the inclusion of a section consisting of 22 chapters dealing with liver disease. After a great deal of discussion and research, the editors and publisher chose to include a liver section because diagnosis and therapy of liver disorders is such an important component of the practice of gastroenterology. Previous editions of this text have included chapters dealing with hepatic topics, such as jaundice, ascites, or liver tumors; this edition for the first time covers diseases of the liver comprehensively. To do so, the editors have enlisted international experts in hepatology to write authoritative chapters. All aspects of pathophysiology, diagnosis, and management of liver disease are covered, including liver transplantation. Accordingly, liver disease has been incorporated into the title of the textbook to reflect its importance. The goal is to produce a comprehensive, authoritative, and user-friendly textbook that includes diseases and disorders of the gastrointestinal tract, biliary tree, pancreas, and the liver, as well as related topics such as nutrition and peritoneal disorders. Inclusion of this new liver section does not compromise the quality of the remainder of the book. This has been accomplished by reductions in length of some chapters and of bibliographies of most chapters, with emphasis on references later than 1990 and optimal use of tables and algorithms to convey essential information in a concise and readily retrievable format. With these objectives, our authors have complied admirably.

The second notable change in the sixth edition is the reinstitution of Section II entitled Approach to Patients with Symptoms and Signs. These chapters are no longer scattered among the various sections dealing with the relevant organ (e.g., Diarrhea in the Intestine Section). Rather, the major symptom complexes are now more conveniently located in Section II, introduced by a scholarly chapter by Dr. Drossman on psychosocial factors in patients with gastrointestinal disorders.

Many aspects of the sixth edition will be familiar to readers of previous editions. Section I again deals with biologic and basic science aspects of gastroenterology, with up-to-date chapters on hormones/neurotransmitters, immunology/inflammation, and neoplasia, setting the stage for several chapters to come. For example, Dr. Kagnoff's chapter on immunology and inflammation prepares the reader for subsequent chapters on GI complications of bone marrow and solid organ transplantation, GI manifestations of HIV infection, *Helicobacter pylori* infection, celiac sprue, intestinal lymphoma, and inflammatory bowel diseases, to name only a few. Section III deals with nutrition in gastroenterology, and the editors are greatly indebted to our Assistant Editor for Nutrition, Dr. Sam Klein, for his help with these critically important chapters. Section IV again deals with topics involving multiple organs and now includes separate chapters on diverticula by Dr. Harford and on volvulus and hernias by Dr. McArthur, a new chapter on nonsteroidal anti-inflammatory drug (NSAID) injury by Dr. Cryer, and the aforementioned new chapter on GI and hepatic complications of bone marrow and solid organ transplantation by Drs. Weisdorf and Payne.

Sections V through XI contain the traditional "organ recital," with detailed sections on the esophagus, stomach and duodenum, pancreas, biliary tract, liver, small and large intestines, vascular lesions of the gut, and disorders of the peritoneum, mesentery, omentum, and diaphragm. In addition to the entirely new liver section, there are new chapters in the stomach and duodenum section on *Helicobacter pylori* by Drs. Peterson and Graham, in the pancreas section on rare tumors and other unusual pancreatic disorders by Drs. Goldschmidt and Gutta, and in the intestinal section on mechanical intestinal obstruction and ileus by our surgical colleagues, Drs. Turnage and Bergen.

The 120 chapters in this text are amply illustrated with figures, charts, tables, and algorithms. In addition, Chapter 30 entitled "Oral and Cutaneous Manifestations of Gastrointestinal Disease," is accompanied by several color plates located at the front of the book. The editors have chosen to remove all endoscopic color photographs from this edition, since Sleisenger/Fordtran now has an outstanding companion color atlas (*Atlas of Clinical Gastrointestinal Endoscopy* by C. Mel

Wilcox, W. B. Saunders, Philadelphia, 1995). Throughout the sixth edition, reference is made to endoscopic images in the *Wilcox Atlas*.

Several "user-friendly" changes introduced in the fifth edition have been retained in the sixth edition. For example, the beginning of each chapter contains a mini-outline, including page citations. Moreover, each major section also contains a listing of the chapters with page citations in that section. We continue to use the highest quality glossy paper to enhance quality of illustrations and to make the pages less likely to tear accidentally. An extensive, highly cross-referenced index is included to facilitate locating material quickly. With the assistance of Dr. William Harford and several GI fellows at our respective institutions, we have systematically gone through the index of the fifth edition to look for deficiencies and redundancies and tried our best to correct them in the sixth edition.

The Editors believe that the sixth edition builds upon the high standards of its predecessors and that this text will continue to be the definitive source for gastroenterologists, general internists, fellows, residents, students, and other physicians and health care workers caring for patients with gastrointestinal and hepatic disorders and diseases.

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