

CME

American College of Gastroenterology Guidelines: Management of Acute Pancreatitis

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Acute pancreatitis (AP), defined as acute inflammation of the pancreas, is one of the most common diseases of the gastrointestinal tract leading to hospital admission in the United States. It is important for clinicians to appreciate that AP is heterogeneous, progressing differently among patients and is often unpredictable. While most patients experience symptoms lasting a few days, almost one-fifth of patients will go on to experience complications, including pancreatic necrosis and/or organ failure, at times requiring prolonged hospitalization, intensive care, and radiologic, surgical, and/or endoscopic intervention. Early management is essential to identify and treat patients with AP to prevent complications. Patients with biliary pancreatitis typically will require surgery to prevent recurrent disease and may need early endoscopic retrograde cholangiopancreatography if the disease is complicated by cholangitis. Nutrition plays an important role in treating patients with AP. The safety of early refeeding and importance in preventing complications from AP are addressed. This guideline will provide an evidence-based practical approach to the management of patients with AP.

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INTRODUCTION

Acute pancreatitis (AP) is one of the most common diseases of the gastrointestinal tract and leads to a tremendous emotional, physical, and financial burden for the patient. In the United States, there are almost 300,000 admissions annually for AP, resulting in more than 1 million patient days in the hospital at a cost over 2.5 billion dollars (1). The incidence of AP has been increasing by 2%–5% per year and varies between 3–4 and 73–4 cases per 100,000 worldwide (1,2). Although the case fatality rate has decreased over time, the overall population mortality rate has remained unchanged with 5,000–8,000 deaths reported annually (1). Advancements in the management of AP over the past decade have been associated with a decrease in mortality (3). In this context, a group of experts within the American College of Gastroenterology (ACG) were tasked to complete a systematic review of the literature concerning AP and develop guidelines for the membership. In these guidelines, we first discuss the diagnosis, etiology, and severity of AP. We then focus on the early medical management of AP followed by a discussion of the management of complicated disease, most notably pancreatic necrosis. The evolving issues of antibiotics, nutrition, endoscopic, radiologic, and surgical interventions are also addressed.

METHODOLOGY

A health science librarian was contracted to assist in the completion of a MEDLINE search through the OVID interface using the MeSH term acute pancreatitis limited to all clinical trials and meta-analysis for years 1966–2022 limited to the English language literature. A review of clinical trials and reviews known to the authors was also

performed for preparation of this document. Similar to prior ACG guidelines, this guideline is structured in sections, each with recommendations or key concepts and summaries of the evidence based on the PICO question. PICO is an acronym that includes the following: P = population/problem, I = intervention, C = comparison, and O = outcome. PICO questions were developed by the consensus of the authors and served as the basis for each recommendation and key concepts (Table 1). PICO questions were primarily used for the management of AP. For the diagnosis, etiology, and severity of AP, the PICO format was not used. Recommendations were made based on the assessment of the quality of evidence by the Grading of Recommendations Assessment, Development and Evaluation (GRADE) process (4) (Table 2).

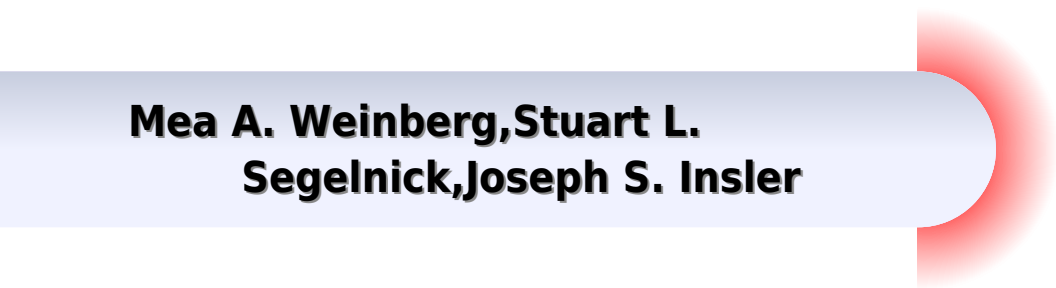
The GRADE system result used to evaluate the quality of the supporting evidence for each recommendation is listed in Table 2, following each recommendation. A strong recommendation is made when the benefits clearly outweigh the negatives and/or the result of no action. Conditional is used when uncertainty remains about the balance of benefits and potential harm. Statements with a strong recommendation are stated with we recommend, whereas conditional recommendations are stated with we suggest. The quality of evidence is classified from high to very low. High-quality evidence indicates that further research is not likely to change the authors' confidence in the estimate of the effect. Moderate-quality evidence is associated with moderate confidence in the effect estimate, although further research would be likely to have an impact on the confidence of the estimate. Low-quality evidence indicates that further study would have an

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American College Of Gastroenterology Guidelines Crohns Disease

**Mea A. Weinberg, Stuart L.
Segelnick, Joseph S. Insler**



American College Of Gastroenterology Guidelines Crohns Disease:

Adult-Gerontology Practice Guidelines Jill C. Cash, Cheryl A. Glass, 2015-06-26 Print CourseSmart

The Changing World of Inflammatory Bowel Disease Ellen J. Scherl, Marla Dubinsky, 2009 IBD and the Elderly

Evaluation of Inflammatory Bowel Disease, An Issue of Gastroenterology Clinics Samir Shah, Edward Feller, Adam Harris, 2012-06-28

The Guest Editors have focused on methods of diagnosing and evaluating IBD to help guide optimal treatment to maximize clinical outcomes and minimize risks Authors have provided state of the art updates with practical information guidelines algorithms and cutting edge data for incorporation into practice The first set of articles deals with endoscopy its role in diagnosis and monitoring IBD the growing importance of chromoendoscopy in IBD surveillance exams assessment of post operative recurrence and finally the emerging role of capsule endoscopy The second section focuses on specific scenarios that IBD physicians encounter frequently health maintenance in IBD focusing on proper vaccinations the growing problem of Clostridium difficile in IBD assessment of pouch problems optimal evaluation of perianal disease the state of the art in using thiopurines including use of allopurinol to optimize metabolites and optimizing the use of infliximab by measuring levels and antibodies to infliximab factors to consider in choosing monotherapy versus combination therapy and communication of risk benefit to patients and finally disability assessment in IBD The third and final section highlights noninvasive methods to evaluate IBD clinical predictors of aggressive or disabling disease the evolving role of specific antibodies in diagnosing subtyping and most recently prognosticating in IBD stool markers calprotectin and lactoferrin for evaluating and monitoring IBD the growing role of imaging modalities with emphasis on MR enterography and CT enterography and finally the genetics of IBD and the potential role of genetic testing in the diagnosis prognosis and tailoring of therapy

Inflammatory Bowel Disease Stephan R. Targan, Fergus Shanahan, Loren C. Karp, 2011-08-24 This is the state of the art book on inflammatory bowel disease you have been waiting for Written and edited by international experts in gastroenterology this up to date volume provides a complete review of the basic science behind inflammatory bowel disease IBD as well as evidence based clinical guidance on diagnosis treatment and long term management of IBD In 50 chapters the authors cover the latest and most promising treatment modalities and the science behind them There are chapters which cover the advances in the medical and surgical treatment of conditions such as Crohn s disease and ulcerative colitis as well as chapters focusing on nutrition imaging and complementary medicine This is an invaluable information resource for all those in the medical team treating patients with IBD Whether you are a gastroenterologist gastrointestinal surgeon or GI nurse specialist this book deserves a place in your library

Medical and Surgical Management of Crohn's Disease, An Issue of Gastroenterology Clinics of North America, E-Book Sunanda V. Kane, 2022-05-23 In this issue of Gastroenterology Clinics guest editor Dr Sunanda V Kane brings her considerable expertise to the topic of Medical and Surgical Management of Crohn s Disease Approximately 3 million people worldwide suffer with Crohn s Disease and this issue provides a thorough

review of current treatment and management strategies in various patient populations Topics include fecal microbiota transplant microbiome targeting diet anti TNF therapy in pediatric IBD patients and many more Contains 13 practice oriented topics including mimics of Crohn s newer therapies for Crohn s disease diet and nutrition in Crohn s disease pediatric management of Crohn s disease and more Provides in depth clinical reviews of medical and surgical management of Crohn s disease offering actionable insights for clinical practice Presents the latest information on this timely focused topic under the leadership of experienced editors in the field Authors synthesize and distill the latest research and practice guidelines to create clinically significant topic based reviews , [Acing the IBD Questions on the GI Board Exam](#)

Brennan Spiegel,Hetal Karsan,2024-06-01 The world of inflammatory bowel disease IBD knowledge is vast Within that world is a sub set of knowledge that is especially important for everyday clinical care And a sub set of that is testable for the Board exam The testable material includes time honored locked in stone mostly uncontroversial facts that have withstood the test of time The answer to your study questions and reduction of your study time can be found inside Acing the IBD Questions on the GI Board Exam The Ultimate Crunch Time Resource Until now there has been no single slim but high yield volume that summarizes the IBD you really need to know for the board exams preparing for rounds or just plain read The authors have collected every pearl of wisdom high yield factlet IBD Board buzzword micrograph and classic imaging study they could muster all while keeping Acing the IBD Questions on the GI Board Exam The Ultimate Crunch Time Resource a manageable size In today s fast paced world it is hard to keep up with the burgeoning IBD literature Traditional textbooks usually feature long and detailed discussions that don t directly address board and recertification exams On the flip side many board review manuals provide lists and bullet points lacking sufficient background and context Acing the IBD Questions on the GI Board Exam by Drs Brennan Spiegel and Hetal Karsan fills the unmet need in board review by presenting time tested and high yield information in a rational useful and contextually appropriate format Why you need Acing the IBD Questions on the GI Board Exam Focuses exclusively on inflammatory bowel disease review Carefully vetted board style vignettes with color images Comprehensive yet succinct answers using a high yield format Emphasis on key clinical pearls and Board Buzzwords Rapid fire crunch time exam with 140 classic one liners such as Diarrhea mucus filled cysts throughout colon The vastly evolving world of IBD includes genetic breakthroughs and new medications with different risks and benefits Acing the IBD Questions on the GI Board Exam has it all in one resource that includes endoscopic histologic radiologic and dermatologic manifestations as well as with great images and tables to help guide the reader Chapters include A compilation of general lessons learned from past test takers Tough Stuff board review vignettes Crunch Time Self Test Time to get Your Game On With its focus on pearl after pearl emphasis on images and attention to high yield tough stuff vignettes you don t know the answers to yet Acing the IBD Questions on the GI Board Exam The Ultimate Crunch Time Resource will help you ace the GI and recertifying examinations look good on clerkship rounds simply challenge you with interesting and entertaining vignettes

and take optimal care of your IBD patients in clinical practice Inflammatory Bowel Disease Russell D. Cohen, 2017-06-28

The latest edition of this text provides a comprehensive overview of the natural flow of knowledge regarding inflammatory bowel disease with an emphasis on state of the art approaches that should be the basis for diagnosis and treatment of most patients. In addition to updated chapters, this volume includes new chapters on such topics as the impending biosimilar revolution, quality of care, and new challenges to previously held beliefs about IBD diagnosis, treatment, and pathogenesis. The book is also one of the first to have a chapter written specifically by and for physician extenders in the training of colleagues and the treatment of patients, which is of increasing importance moving forward in the medical profession. Written by experts in the field, *Inflammatory Bowel Disease: Diagnosis and Therapeutics*, Third Edition, is a valuable resource for physicians, nurses, researchers, and other health care providers interested in the latest cutting edge knowledge for treating patients with inflammatory bowel disease.

Inflammatory Bowel Disease, An Issue of Gastrointestinal Endoscopy Clinics Simon Lichtiger, 2019-05-11

Dr Charles Lightdale selected top expert Dr Charles Lichtiger to serve as Guest Editor for this issue of *Gastrointestinal Endoscopy Clinics* devoted to Inflammatory Bowel Disease. The issue uniquely addresses the questions that arise when trying to treat and diagnose IBD. Further, it provides information on what the future might look like for endoscopists. Articles are devoted to the following topics: The Era of Anti-TNF is Over: What do we know, don't know, and yearn to know; Prognosticating the Course of IBD: Is it an art or science? Treat to Target: What is Target and How do we Treat; The Microbiota and the Immune Response: What is the Chicken and What is the Egg; The Role of the Radiologist in Determining Disease Severity; Capsule Endoscopy and Small Bowel Enteroscopy: Have they rendered the Radiologist obsolete; Dysplasia Surveillance: Endoscopic Submucosal Dissection: Are we transitioning to it; Strictures in Crohn's; Diagnosis and UC: Is there a role for the gastroenterologist, endoscopist, or is it always the surgeon; Endoscopy in the Postoperative Patient with CD or UC: Does it translate to better outcomes; The Role of Histology in Determining Disease Activity; Treatment and Prognosis: Are we there yet; Perianal Disease: The role of Endoscopy; EUS; EUA; Laser Therapy; Sealing Agents and Stem Cells; Imaging of Mucosal Inflammation; Current Developments and Future Perspectives for IBD Surgery in IBD: Is there any need for Open Procedures? Readers will come away with a state of the art understanding about the current and future clinical picture for endoscopy in IBD.

The Dentist's Quick Guide to Medical Conditions Mea A. Weinberg, Stuart L. Segelnick, Joseph S. Insler, 2015-04-15

With increasing numbers of dental patients being elderly or having medical conditions, it is important for the dentist to understand how these conditions may impact dental treatment. *The Dentist's Quick Guide to Medical Conditions* presents the relevant information dentists need: symptoms, diagnostic tests, medications prescribed, and dental management for each disease and condition. Chapters will focus on each major bodily system, including respiratory, cardiovascular, hematologic, endocrine, gastrointestinal, immune, nervous, reproductive, and urinary, as well as chapters on the liver, kidneys, skin, and psychological conditions. Appendices list guidelines for antibiotic prophylaxis.

additional conditions requiring antibiotics and a quick list of diagnostic tests

Crohn's Disease and Ulcerative Colitis Daniel C. Baumgart, 2017-03-01 This new edition is a unique combined resource for physicians and scientists addressing the needs of both groups In addition to stimulating exchange and collaboration and shortening the path between discovery and application of new knowledge the book helps clinicians understand new therapeutic concepts from their origins The volume serves as a comprehensive guide to the current diagnostic modalities including enhanced imaging techniques such as MRI and CT enterography virtual colonoscopy ultrasound and endomicroscopy as well as conventional and complex immunomodulatory principles The latest edition also includes revised chapters from the previous edition as well as new chapters reflecting current developments in the field Written by experts in their field Crohn s Disease and Ulcerative Colitis From Epidemiology and Immunobiology to a Rational Diagnostic and Therapeutic Approach Second Edition is of great value to gastroenterologists surgeons internists pediatricians and gynecologists trainees as well as all those involved in Crohn s disease ulcerative colitis and related autoimmune disorders

Inflammatory Bowel Disease Wilton Schmidt Cardozo, Carlos Walter Sobrado, 2022-09-01 Inflammatory Bowel Disease 2nd edition presents updated information about inflammatory bowel disease in health care workers The theoretical content is based on controlled and randomized clinical studies in the meta analyzes conducted appropriately and especially in global consensus and led by international experts As such the reader has access the important topics required to understand the ulcerative colitis and Crohn s disease The editors and chapter authors all established names within gastroenterology and coloproctology and having extensive experience in assisting patients with inflammatory bowel disease provide a concise book with quick and objective reference texts that complement the knowledge of students doctors nurses nutritionists and psychologists of daily clinical practice

Family Practice Guidelines, Third Edition Jill C. Cash, Cheryl A. Glass, 2014-02-10 Print CourseSmart

Colitis-Associated Cancer Masato Kusunoki, 2015-10-01 As the number of patients with colitis associated cancer CAC is on the increase the purpose of this book is to review the latest topics concerning management of the disease In recent years the diagnostic power of endoscopy and molecular pathology has also grown tremendously as a result of which they now have a far greater influence on the treatment of CAC At the moment appropriate monitoring programs for ulcerative colitis and Crohn s disease remain uncertain At the same time the latest findings on DNA methylation and microRNAs hold the promise of making revolutionary changes in these areas Moreover recent drug advances in the treatment of inflammatory bowel diseases have changed surgical indications On the other hand the indication of mucosectomy on colorectal cancer in ulcerative colitis and prophylactic abdominoperineal resection for Crohn s disease remain controversial This book provides the latest information on the remaining issues of CAC from the point of view of expert surgeons

Clinical Immunology, Principles and Practice (Expert Consult - Online and Print), 4 Thomas A. Fleisher, William T. Shearer, Anthony J. Frew, Harry W. Schroeder, Jr., Cornelia M. Weyand, 2013-01-01 Written and edited by international leaders in the field this book has through

two best selling editions been the place to turn for authoritative answers to your toughest challenges in clinical immunology Now in full color and one single volume the 3rd Edition brings you the very latest immunology knowledge so you can offer your patients the best possible care The user friendly book and the fully searchable companion web site give you two ways to find the answers you need quickly and regular online updates keep you absolutely current Leading international experts equip you with peerless advice and global best practices to enhance your diagnosis and management of a full range of immunologic problems A highly clinical focus and an extremely practical organization expedite access to the answers you need in your daily practice Cutting edge coverage of the human genome project immune modifier drugs and many other vital updates keeps you at the forefront of your field A new organization places scientific and clinical material side by side to simplify your research and highlight the clinical relevance of the topics covered A multimedia format allows you to find information conveniently both inside the exceptionally user friendly book and at the fully searchable companion web site Regular updates online ensure that you ll always have the latest knowledge at your fingertips Includes many new and improved illustrations and four color design Your purchase entitles you to access the web site until the next edition is published or until the current edition is no longer offered for sale by Elsevier whichever occurs first If the next edition is published less than one year after your purchase you will be entitled to online access for one year from your date of purchase Elsevier reserves the right to offer a suitable replacement product such as a downloadable or CD ROM based electronic version should access to the web site be discontinued **Conn's Current Therapy 2020, E-Book** Rick D.

Kellerman,KUSM-W Medical Practice Association,2019-12-07 Designed to suit a wide range of healthcare providers including primary care subspecialties and allied health Conn's Current Therapy has been a trusted clinical resource for more than 70 years The 2020 edition continues this tradition of excellence with current evidence based treatment information presented in a concise yet in depth format More than 300 topics have been carefully reviewed and updated to bring you state of the art information even in the most rapidly changing areas of medicine Offers personal approaches from recognized leaders in the field covering common complaints acute diseases and chronic illnesses along with the most current evidence based clinical management options Follows a consistent easy to use format throughout with diagnosis therapy drug protocols and treatment pearls presented in quick reference boxes and tables for point of care answers to common clinical questions Includes new and significantly revised chapters on neurofibromatosis autism psoriatic arthritis and postpartum depression Features thorough updates in areas critical to primary care including Acute Myocardial Infarction Hypertension Peripheral Arterial Disease Valvular Heart Disease Hepatitis C Irritable Bowel Syndrome Obsessive Compulsive Disorder Chronic Obstructive Pulmonary Disease Fibromyalgia Menopause Travel Medicine and more Provides current drug information thoroughly reviewed by PharmDs Shares the knowledge and expertise of new contributors who provide a fresh perspective in their specialties Features nearly 300 images including algorithms anatomical illustrations and photographs that provide

useful information for diagnosis Nutrition in the Prevention and Treatment of Disease Ann M. Coulston, Carol J. Boushey, Mario Ferruzzi, 2013 This comprehensive clinical nutrition textbook uniquely focuses on the clinical applications and disease prevention of nutrition clearly linking the contributions of basic science to applied nutrition research and in turn to research based patient care guidelines **Inflammatory Bowel Disease Nursing Manual** Andreas Sturm, Lydia White, 2019-01-24 This comprehensive manual discusses the many aspects of inflammatory bowel disease IBD providing relevant information along with practical guidance The reader is also directed to additional resources for extra and current information This book comes at a time when the number of people suffering from the two major forms of IBD ulcerative colitis UC and Crohn s disease CD is rising around the globe Despite their huge impact on daily life and health economics these diseases are not fully understood and diagnosis and treatment remains a significant challenge IBD nurses are increasingly recognised as key clinicians within the multidisciplinary team caring for people with IBD Through experience and specialist knowledge IBD nurses provide timely support advice and treatment for people living with this unpredictable condition IBD nurses are also well placed to liaise with the wider team developing patient centred services which best fit their local health framework The combined international expertise and accessible guidance here will equip nurses or any clinician wanting to increase their competence in IBD management Thereby this manual aims to contribute to the optimisation of IBD care throughout the world Ulcerative Colitis, An Issue of Gastroenterology Clinics of North America, E-Book Scott Lee, 2020-11-11 Together with Consulting Editor Dr Alan Buchman Dr Scott Lee has put together a state of the art issue of Gastroenterology Clinics devoted to Ulcerative Colitis UC He has selected expert authors to contribute clinical reviews that provide the latest clinical findings and recommendations Articles are devoted to the following topics Epidemiology and pathogenesis of UC Making initial diagnosis of UC and ruling out other diseases that mimic UC Assessing severity of disease Initial medical treatment of UC Treatment of UC with steroids Biologic therapy in UC Non biologic immune suppression in UC Microbiome and fecal transplant in UC Health maintenance in UC including bone density scan vaccination recommendations cancer screening Women s issues and UC Risk of colon cancer and recommended surveillance strategies in UC patients Surgical management of UC indications and outcomes from colectomy and Management of J pouches Readers will come away with the latest clinical recommendations they need to improve outcomes in patients with UC **Atlas of Endoscopy Imaging in Inflammatory Bowel Disease** Bo Shen, 2020-05-14 Atlas of Endoscopy Imaging in Inflammatory Bowel Disease is a complete reference providing all aspects of endoscopy imaging in inflammatory bowel disease IBD Building on the etiology and pathogenesis of IBD and taking into account the wide range of clinical presentations and phenotypes that reflect a long list of endoscopic features this book systematically and exclusively presents all IBD related endoscopy imaging for optimal understanding diagnosis and management

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