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*Colorectal Surgery* - Richard G Molloy  
2021-06-23

Colorectal Surgery, second edition, is the essential guide for general surgical trainees preparing for the FRCS examination, as well as a quick-reference for clinicians working in the

field. Providing a concise and evidence-based overview of colorectal surgery, this resource covers the diagnosis, management, and treatment of colorectal conditions. Extensively updated to reflect recent innovations in surgical practice, this edition covers new topics such as

robotic surgery, complete mesocolic excision, capsule colonoscopy, and the role of qFIT in lower GI investigations. The oncology and inflammatory bowel disease chapters have been revised to reflect new understanding of the genetic aspects of IBD as well as novel therapeutic agents. Management of benign colorectal disease has also been revised to reflect current approaches to rectal prolapse and haemorrhoidal disease including updated guidelines for functional bowel conditions.

**Colorectal Surgery Consultation** - Sang W. Lee 2019-04-04

This book provides clear surgical options when the cases are not “routine”. It follows both a “how to” manual as well as an algorithm-based guide to allow the reader to understand the thought process behind the proposed treatment strategy. In each chapter, international experts address how to avoid being in tough surgical situations through preoperative planning, how to better deal with commonly encountered intra-

operative findings, how to deal with difficult laparoscopic, open, endoscopic, and anorectal cases, and how to avoid medico-legal issues. Colorectal Surgery Consultation is simple and succinct and provides pragmatic advice and reproducible techniques that can be readily implemented by surgeons of varying experience to successfully treat complex colorectal problems through endoscopic and endoluminal approaches that may make the difference in patient outcomes.

**Current Challenges in Cell Therapy for Neurodegenerative Diseases** - 2022-11-18

Cell Transplantation and Gene Therapy in Neurodegenerative Disease, Volume 166 in the International Review of Neurobiology series, highlights new advances in the field with this new volume presenting interesting chapters written by an international board of authors who cover Challenges in translating a cell therapy to GMP, The challenges in developing a cell therapy for Huntington’s disease, Challenges of

cell therapies for retinal diseases, Challenges of gene therapy in Huntington's Disease, Technological advances and barriers to gene therapy, Considerations in the development of cell therapy modulation for spinal cord injury treatment, Challenges of developing glial cell therapy for ALS, and more. Other chapters in this comprehensive release include Exploring cell and gene therapy in current animal models of Parkinson's and Huntington's disease, Considerations for the use of biomaterials to support cell therapy in degenerative disease, Neurosurgical challenges/innovations in cell and gene therapy delivery, Neuroimaging: the challenge of harnessing imaging tools to facilitate cell and gene therapy in neurodegenerative diseases/The contribution and challenges for imaging in advanced therapies of movement disorders, Considerations for clinical trial design for novel advanced therapeutics in neurodegenerative disease, and More than a trial participant: The role of the

patient in ATMP development and trials for neurodegenerative disease. Provides the authority and expertise of leading contributors from an international board of authors Presents the latest release in International Review on Neurobiology serials Updated release includes the latest information on Cell Transplantation and Gene Therapy in Neurodegenerative Disease **Complications of Anorectal Surgery** - Herand Abcarian 2017-03-30

This text provides a comprehensive, state of the art review of complications related to anorectal surgical procedures old and new. As anorectal surgery has evolved throughout the decades, newer and at times unexpected complications arise as of necessity. Any surgeon not familiar with these, may be perplexed as to how to manage these specific complications and more importantly how to avoid such complications in the course of their future practice. **Complications of Anorectal Surgery: Prevention and Management** provides a very helpful

resource for all surgeons performing anorectal surgery and will be particularly useful for general surgeons practicing in rural or small urban settings where access to a colon and rectal specialist, a large medical center or a resource medical library may be scarce or limited.

**Multidisciplinary Management of Rectal Cancer** - Vincenzo Valentini 2012-07-18

This book seeks to promote an integrated approach among the various specialists involved in the management of rectal cancer with a view to ensuring that treatment is tailored appropriately to the individual patient. For ease of use, a question and answer format is employed. The focus is on those issues typically confronted during daily clinical practice in relation to risk factors, imaging, surgery, radiotherapy, and chemotherapy. The services of an outstanding panel of authors representative of the major European oncological societies have been acquired in order to formulate the

questions and provide the answers. All who need assistance in addressing concerns that arise from the need for multidisciplinary management of rectal cancer will find the book to be an ideal source of helpful information.

**Palliative Surgery** - Matthias W. Wichmann 2014-07-08

Palliative surgery can greatly contribute to improving symptom control and quality of life for terminal cancer patients. Owing to the advanced stage of the disease, however, this type of surgery is also associated with significant morbidity and mortality. It is therefore important for surgeons to have a sound understanding of the medical and scientific background underlying treatment decisions in palliative surgery, a foundation that this book provides. The opening chapters examine the relationship between palliative medicine and palliative surgery and address general issues including pain management and anesthesiological considerations. The role of palliative surgery in a

wide range of disease settings is then thoroughly explored, including detailed information on surgical techniques and their indications and outcomes. This book will be an invaluable resource for all who wish to learn more about the emerging role of palliative surgery.

**Mesenteric Principles of Gastrointestinal Surgery** - John Calvin Coffey 2017-03-27

Mesenteric-based gastrointestinal and colorectal surgery has been practiced internationally for over a century. However, it is not yet universally adopted, and considerable variations exist. Such variations are explained by the historical disparity that has persisted between anatomic and surgical approaches to the intestinal mesentery. While mesenteric-based surgery is far from new, it is remarkable that its anatomic basis has only recently been formally described. This means that key mesenteric principles of intestinal and colorectal surgery can now be taught, conducted and developed, in an entirely standardised manner. This book is composed of

two parts. In this new book surgical anatomy, activities and operations are carefully defined, and beautifully illustrated, to enable all surgeons to conduct mesenteric-based intestinal and colorectal surgery, appropriately and with confidence.

*Surgical Management of Advanced Pelvic Cancer* - Desmond C. Winter 2021-10-26

An innovative guide to the practice of pelvic exenterative surgery for the management of advanced pelvic neoplasms Exenterative surgery plays an important role in the management of advanced pelvic cancer. However, while a large body of evidence regarding outcomes following pelvic exenteration now exists, practical strategies and management options remain unclear. *Surgical Management of Advanced Pelvic Cancer* addresses this problem by assembling world-leaders in the field to provide insights into the latest techniques and best practices. It includes detailed coverage of: Surgical anatomy Operative approaches and

exenterative techniques Reconstruction options  
Current evidence on survival and quality of life  
outcomes Featuring essential information for  
those managing patients with advanced pelvic  
neoplasms, *Surgical Management of Advanced  
Pelvic Cancer* consolidates the latest data and  
practical advice in one indispensable guide.

*Surgical Decision Making in Geriatrics* - Rifat  
Latifi 2020-08-12

This book is designed to present a  
comprehensive and state-of-the-art approach to  
all aspects of geriatric surgery within the broad  
confines of surgery in geriatrics including  
general surgery, neurosurgery, thoracic surgery,  
vascular surgery, cardiac surgery, surgical  
oncology, hepatobiliary and transplant surgery,  
plastic, colorectal, orthopedic, gynecologic, and  
urologic surgery. The text is split into four parts.  
The first part is organized under general  
considerations on the geriatric surgical patient  
and includes current trends in geriatric surgery,  
and a number of important general issues such

as practical approaches to reversal of  
bleeding/anticoagulation, role of anesthetic  
concerns in advanced age, frailty index and  
measurements of physiological reserves,  
nutritional support in the elderly, quality of life  
in the elderly, drug use, and family involvement.  
Part two of the book focuses on surgery specific  
system-based problems in geriatric surgical  
patients. The third part addresses many other  
important aspects of geriatric surgery including  
palliative and end of life care for the elderly,  
religious issues and the elderly care surgery,  
elderly with mental health issues, and nursing  
care of elderly patients. The fourth and final part  
describes the need for geriatric surgical care  
education and the components that are essential  
for the curriculum of current and future  
generations of students. Written by experts in  
the field, *Surgical Decision Making in Geriatrics*  
addresses patient selection, pre-operative  
considerations, technical conduct of the most  
common operations, and avoiding complications.

Coloproctology - John Beynon 2017-06-05

The topics covered in this book have been specifically chosen to give guidance to surgeons established in practice and those embarking on their careers. Examples include the changing management in the treatment of the catastrophic abdominal wall, perianal Crohn's disease in the biological era, decision making in rectal cancer that responds to radiotherapy, and the assessment of outcomes in colorectal cancer surgery. Recent years have seen the introduction of technical advances with respect to robotics in colorectal surgery and trans-anal total mesorectal excision, and which are rapidly becoming established in clinical practice. Chapters also cover those aspects of colorectal practice, which are common to all, and provide guidance on management of topics including complications of radiotherapy, management of pouch dysfunction and iatrogenic complications in pelvic cancer surgery.

*Transanal Minimally Invasive Surgery (TAMIS)*

*and Transanal Total Mesorectal Excision (taTME)* - Sam Atallah 2019-04-23

This book captures cornerstone developments in a new body of knowledge and provides an expert resource on a "hot topic" in rectal surgery. Transanal minimally invasive surgery (TAMIS) was designed for local excision of select rectal neoplasms, however soon it became realized that the TAMIS technique could be used for applications beyond local excision, most notably for transanal total mesorectal excision (taTME). This new operative technique has revolutionized our approach to the distal rectum by allowing for improved access, especially in obese male patients with an android pelvis, and by minimizing abdominal wall access trauma. The endpoints of improved oncologic resection, as defined by mesorectal envelope completeness, negative circumferential resection margins, and negative distal margin, are assessed. This book details controversies, pitfalls, and future directions of taTME and TAMIS. Chapters are

authored by those on the forefront of innovation with TAMIS and taTME, and each is considered an authority on the topic. Transanal Minimally Invasive Surgery (TAMIS) and Transanal Total Mesorectal Excision (taTME) is a must-have reference for surgeons who are performing this operation and fellows in training who want to completely understand the various nuances of TAMIS and taTME.

**Multidisciplinary Approaches to Common Surgical Problems** - Robert Lim 2019-06-21

Emergent general surgical diseases are the most frequent causes of in-hospital deaths and are the most costly diseases to treat. The purpose of this book is to provide clinicians with an understanding of their roles and that of other disciplines for the treatment of acute and emergent surgical diseases. It is also designed to give a clear pathway for using multiple disciplines to manage these diseases. The text details over 20 problems routinely seen in clinical practice and approaches the disease

from the perspective of experts within the different specialties. It provides a comprehensive, evidenced-based overview and the most up-to-date technology available in clinical practice. An emphasis on new, less invasive techniques that may have a broader range of indications in the future is also included. Ultimately the reader will have a better understanding of these acute problems, the other specialties they work with, and when to integrate these other specialties when they encounter these urgent clinical scenarios.

**Mastery of Endoscopic and Laparoscopic Surgery** - Nathaniel J. Soper 2008-10-01

This text/atlas is a comprehensive guide to minimally invasive procedures in general surgery. Chapters are authored by world-renowned experts in this technology, who share their firsthand operative experience, emphasizing decision-making, anatomy, and key steps in the operations. The Third Edition features expanded sections on the esophagus,

gastrointestinal tract, liver and biliary tract, pancreas and spleen, and small and large bowel, new sections on state-of-the-art surgical tools and bariatric surgery, and new chapters on esophageal lengthening, duodenal switch, and natural orifice transluminal endoscopic surgery (NOTES). Full-color photographs and drawings complement the text throughout. Each chapter concludes with comments from the editors. A companion Website will offer the fully searchable text and an image bank.

*Surgery for Ovarian Cancer, Third Edition* - Robert E. Bristow 2015-10-28

Updated and expanded, the third edition of *Surgery for Ovarian Cancer* focuses on essential techniques for the effective management of ovarian cancer. It reflects the most contemporary science and surgical applications for the management of patients with ovarian cancer and related peritoneal surface malignancies. This new edition takes a step-by-step approach and includes new intraoperative

photographs and videos illustrating surgical procedures. It is principally devoted to the technical aspects of cytoreductive surgery, with chapters divided according to anatomic region. The chapters cover relevant anatomical considerations, surgical challenges specific to each region, and operative approaches and techniques favored by the authors. The list of contributing authors has been expanded from the previous edition and includes international and world-renowned experts from the fields of gynecologic oncology and surgical oncology. The topics of minimally invasive surgery, secondary cytoreduction, palliative surgery, and postoperative care are also covered in detail. New to the third edition are chapters on preoperative risk stratification, regional therapeutics and peritonectomy procedures, and quality assurance relating to ovarian cancer surgery. This comprehensive text is essential reading for all practitioners working with patients with ovarian cancers.

*Colorectal Surgery* - Graham J MacKay

2010-09-30

Colorectal Surgery is an essential revision tool for general surgical trainees preparing for the FRCS examination, and in particular those declaring colorectal surgery as an area of special interest. It provides easy access to relevant, up-to-date information in a portable format which can be used at work or for study. All topics are covered in depth with reference given to important papers, guidelines and meta-analyses. There are sections on related specialties and basic applied anatomy, while further chapters address the presentation of colorectal disease in the outpatient clinic, a review of colorectal assessment tools, and detailed, practical information regarding the management of benign and malignant colonic and anorectal conditions. The handbook has been written specifically to address the curriculum designed and approved by the Association of Coloproctology of Great Britain

and Ireland, the Intercollegiate Surgical Curriculum Project and the American Board of Colon and Rectal Surgeons. While aimed at senior trainees, Colorectal Surgery will also be of interest to new consultants wishing to update their knowledge of colorectal surgery, junior surgical trainees, specialist nurses dealing with patients with colorectal disease as well as general practitioners and allied healthcare professionals.

Difficult Decisions in Colorectal Surgery - Neil Hyman 2017-02-15

This multi-authored book contains brief chapters devoted to one or two specific questions or decisions in colon and rectal surgery that are difficult or controversial. It is a current and timely reference source for practicing surgeons, surgeons in training, and educators that describes the recommended ideal approach, rather than customary care, in selected clinical situations. Just like the other volumes in this series, the chapters in Difficult Decisions in

Colorectal Surgery adhere to a specific format. This approach provides uniformity to the presentations, making it possible to identify useful material at a glance.

**Gastrointestinal Oncology** - Janusz Jankowski  
2009-01-26

Gastrointestinal Oncology: A Critical Multidisciplinary Team Approach is the first evidence-based reference text designed for the multidisciplinary team of medical professionals involved in the investigation, diagnosis, and management of patients with gastrointestinal cancer. Written and edited by leading international experts in the field it sets the standard in clinical practice for dealing with esophageal, gastric, intestinal, colonic, hepatobiliary, pancreatic, and other GI tumors. The book is divided into twenty-five clinical chapters each addressing the specific cancers affecting the gastrointestinal tract. Each chapter is written by a team of authors, with each contributor specially chosen to represent a

different role in the MDT. This multidisciplinary team approach reflects the current care of GI cancer patients and enables clinical decision making and patient management. All the chapters have been tried and tested in MDT meetings in leading cancer centers around the world. Gastrointestinal Oncology: A Critical Multidisciplinary Team Approach provides in-depth evidence-based knowledge and is well illustrated throughout with color photographs, line drawings, and diagrams. This authoritative and practical resource is an essential reference for the entire MDT including gastroenterologists, hepatologists, GI surgeons, medical oncologists, radiation therapists, interventional radiologists, pathologists, specialist nurses, and clinical scientists.

**Surgical Techniques in Rectal Cancer** -  
Giovanni Dapri 2018-02-09

This book describes the various procedures, including surgery through the abdominal wall, through a transanal access or by the union of

both, using an open, laparoscopic, or robotic approach. Worldwide pioneers for each technique are invited as authors and portray in step-by-step detail about each procedure. Of the 32 chapters, 23 are dedicated only for the surgical procedures. Each chapter is enriched by numerous figures, which complement the text, permitting the understanding of each surgical technique from its beginning until the last step. Eight additional chapters are dedicated to the clinical and anatomical aspects of rectal cancer. In the last decade there has been an impressive evolution in the treatment of patients with rectal cancer, with a focus not only on the preservation of a cancer-free life, but the quality of that life. This book has been written to be useful for everyone involved in rectal cancer management. From internists, gastroenterologists, endoscopists, oncologists, radiotherapists and radiologists involved in the treatment of rectal cancer during their daily practice, to surgeons specialized in colorectal surgery, to junior

faculty to trainees, all interested in new and innovative techniques.

*The ASCRS Manual of Colon and Rectal Surgery*  
- Scott R. Steele 2019-02-06

Colorectal Surgery has continued to experience tremendous growth in both the community and academic settings over the past few years. The recent increase in demand for colorectal specialists has been fueled by an overwhelming number of applications to fellowship training programs, resulting in some of the most coveted and competitive positions. Furthermore, the accumulation of experience, knowledge, and wisdom from pioneers in the field, combined with major recent technological advances, has transformed the clinical management of diseases of the colon and rectum. Colorectal Surgeons have embraced advances ranging from minimally invasive approaches for complex problems to novel training methods for future generations. Additionally, we have spearheaded innovations in the management of colorectal

cancer, pelvic floor disorders, diverticulitis, inflammatory bowel disease, and anorectal conditions. Despite these improvements, there remains a seemingly never-ending mixture of complex patient disease processes and complications resulting from the care of these patients. Even in cases where the technical challenges were managed successfully, complications or poor function may result in dramatic life-long consequences, reduced quality of life, as well as having economic implications. The American Society of Colon and Rectal Surgeons (ASCRS) is the premiere professional organization of Colon and Rectal Surgeons. Three editions of the ASCRS Textbook of Colon and Rectal Surgery have been published and have proved to be extremely valuable for their wealth of general information and knowledge, providing not only background information, but also specifics regarding the more complex situations that surgeons who treat patients with colorectal disease experience on a regular basis.

An ASCRS manual was produced in in 2009 and 2014, each accompanying their original textbooks. This has been formed by abstracting the textbook into a bullet format; all figures and most tables were retained. The 3rd edition of the Textbook (published by Springer) included completely new chapters and authors. This 3rd edition of the Manual is indicated to conform to the new edition of the Textbook and incorporate newer information in the field of colon and rectal surgery. This Manual will serve as a very useful resource for physicians and researchers dealing with diseases of the colon and rectum. It will provide a concise yet comprehensive summary of the current status of the field that will help guide education, patient management and stimulate investigative efforts. All chapters were written and abstracted by experts in their fields and will include the most up to date scientific and clinical information.

*Chassin's Operative Strategy in General Surgery*  
- Carol E. H. Scott-Conner

This fifth edition of Chassin's Operative Strategy in General Surgery is a major revision that strives to remain faithful to the purpose and tone of Dr. Chassin's original text. This unique textbook provides an emphasis on surgical strategy that is unmatched by other textbooks of surgical technique. The text explains the conceptual basis of each operation, outlines strategies to avoid common pitfalls, and carefully describes and beautifully illustrates the technical steps of each operation. The fifth edition preserves the unique qualities of its previous edition while providing a comprehensive update. This updated volume also features a vast amount of richly detailed artwork and operative photographs, which help depict operative techniques step-by-step. No other text so successfully combines operative technique with the concept of strategy that is, key governing principles that dictate safe surgery and avoidance of complications. There are books of technique, there are books about

complications, and there are books about the rationale involved in the treatment of various kinds of surgical pathology. Chassin combines all three. Chassin's Operative Strategy in General Surgery: An Expositive Atlas Fifth Edition comprehensively covers all non-vascular operations commonly performed by general surgeons. This edition expands this comprehensive general surgery reference while remaining true to the special character of the work. The revision expands upon procedures not covered in the previous edition and incorporates new techniques into many other chapters.

[Pelvic Cancer Surgery](#) - Hitendra R.H. Patel  
2015-02-28

[Pelvic Cancer Surgery: Modern Breakthroughs and Future Advances](#) brings together the three main pelvic specialties (Urology, Gynecological Oncology and Colorectal Surgery) into one volume. Patients have been shown to benefit from a multidisciplinary approach since it allows surgeons of different specialties to learn from

one another therefore enhancing the treatment for the patient. Pelvic cancer outcomes are poor in low volume centres. These centres account for 80% of the global centres dealing with these cancers. Pelvic Cancer Surgery: Modern Breakthroughs and Future Advances is a much needed book that can focus training and assist health professionals in their care of patients with pelvic dysfunction. Pelvic Cancer Surgery: Modern Breakthroughs and Future Advance is complete with full color illustrations and schematic diagrams and makes use of key points and stepwise figures for an enhanced learning experience.

**Current Therapy in Colon and Rectal Surgery E-Book** - Victor W. Fazio 2016-09-13

For more than 25 years, Current Therapy in Colon and Rectal Surgery has been the go-to resource for preparing for the American Board of Surgery certification exam. Following in this tradition, the 3rd Edition offers a comprehensive, contemporary summary of

treatment options for colorectal diseases, with a focus on practical clinical science and applications. In a single, portable volume, you'll find complete coverage of new diagnostic modalities, medical therapeutics, and surgical treatment options, including minimally invasive surgery. Easy to read and digest, it provides a quick consultation with experts on the essentials of colon and rectal surgery. Consult this title for a quick overview before you enter the OR, and use it as a review tool for board certification and recertification. Nearly 100 succinct chapters, just 3 or 4 pages each, written by leading experts in colorectal surgery. Five chapters devoted exclusively to different aspects of rectal cancer. Other key topics include minimally invasive surgery, reparative surgery, maturing outcomes, and managing surgical risk. New chapters focus on hot topics such as intestinal transplants, enhanced recovery programs, and the management of peristomal hernias. Updated information on the molecular biology of

colorectal cancer and its implications for therapy.

**Complexities in Colorectal Surgery** - Scott R. Steele 2014-05-16

*Complexities in Colorectal Surgery: Decision-Making and Management* provides a unique, modern, practical guide that covers the strategic evaluation, specific approaches, and detailed management techniques utilized by expert Colorectal Surgeons caring for patients with complex problems—whether they result from underlying colorectal disease or from complications arising from previous surgical therapy. The text is formatted as both a “how-to” manual as well as an algorithm-based guide allowing the reader to understand the thought process behind the proposed treatment strategies. By making use of evidence-based recommendations, each chapter will include not only diagnostic and therapeutic guidelines, but also a narrative by the author on his/her operative technical details and perioperative

“tips and tricks” that they utilize in the management of these complex surgical challenges. This text includes chapters on the assessment of risk and nutritional intervention methods utilized to minimize perioperative complications. In addition, sections on medical and surgical therapies for abdominal, pelvic and anorectal disease are incorporated. Moreover, the technical challenges of managing complications resulting from the original or subsequent operations is addressed. The underlying focus throughout the text is to provide pragmatic and understandable solutions that can be readily implemented by surgeons of varying experience to successfully treat complex colorectal problems. The text also goes beyond the technical aspects of Colorectal Surgery and includes special sections highlighting the essence of a surgeon. These include chapters describing the importance of the first encounter, building patient rapport, and demonstrating confidence and competence while showing

humility and avoiding arrogance. Additionally, aspects involving the medical-legal, ethical, and economic challenges confronting surgeons are covered.

Handbook of Robotic and Image-Guided Surgery  
- Mohammad Abedin-Nasab 2019-09-25

Handbook of Robotic and Image-Guided Surgery provides state-of-the-art systems and methods for robotic and computer-assisted surgeries. In this masterpiece, contributions of 169 researchers from 19 countries have been gathered to provide 38 chapters. This handbook is 744 pages, includes 659 figures and 61 videos. It also provides basic medical knowledge for engineers and basic engineering principles for surgeons. A key strength of this text is the fusion of engineering, radiology, and surgical principles into one book. A thorough and in-depth handbook on surgical robotics and image-guided surgery which includes both fundamentals and advances in the field A comprehensive reference on robot-assisted laparoscopic, orthopedic, and

head-and-neck surgeries Chapters are contributed by worldwide experts from both engineering and surgical backgrounds Transdisciplinary Perioperative Care in Colorectal Surgery - Kok-Yang Tan 2014-10-07 The field of colorectal surgery has undergone tremendous developments in recent decades. Surgery has become less invasive, new perspectives and insights have improved perioperative management and novel outcome measures have been defined. At the same time, the limits of surgical technique and perioperative care are being challenged by more complex patients. In order to realize the immense potential for excellent outcomes in colorectal surgery, coordinated multifaceted care must be delivered within a context of limited resources. Accordingly, there is a pressing need to streamline processes and heighten clinical productivity. Excellent communication and collaboration are required, with constant attention to detail and precision

within an environment of learning, research and innovation. This book discusses in depth the transdisciplinary integration of different components of care in colorectal surgery. Pertinent background information on the complexities of current management in colorectal surgery is first provided, followed by discussion of the role of design thinking in care integration. Subsequent chapters focus on a range of issues associated with surgical and perioperative care in patients undergoing colorectal surgery, with emphasis on how the multiple facets of care can be integrated through a transdisciplinary approach. Each chapter provides helpful take-home messages in bullet point form and numerous informative figures and tables are also included. The authors are surgeons, physicians, anesthetists, oncologists, nurses, and allied health professionals with extensive experience in the field.

*Surgical Decision Making E-Book* - Robert C. McIntyre 2019-01-08

Using a proven, practical, algorithmic approach, *Surgical Decision Making* summarizes evidence-based guidelines and practice protocols in an easy-to-follow format. Designed to sharpen the decision-making skills of both trainees and practicing surgeons, the 6th Edition directs your focus to the critical decision points in a wide range of clinical scenarios, helping you determine optimal evaluation and management to secure the best possible patient outcomes. Algorithms are accompanied by annotations that explain all critical factors affecting decisions in a concise, readable manner. Reflects the scope of practice of today's general surgeon, with fresh, expert perspectives from new editor Dr. Richard Schulick and numerous new contributors. Contains 58 new chapters and thoroughly revised content throughout. Includes new coverage of Preoperative Evaluation of the Geriatric Patient, Pancreatic Cystic Neoplasm, Familial Breast Cancer, Resuscitative Endovascular Balloon Occlusion of the Aorta,

Blunt Cerebrovascular Injury, and much more. Uses an easy-to-follow, consistent format, with an algorithm on one page and short descriptions explaining the various steps in the decision-making process on the opposite page. Includes explanatory notes that summarize presenting signs and symptoms, laboratory investigation, diagnostic modalities, surgical therapies, and adjuvant therapies for each condition.

Encompasses both general surgery and surgical subspecialties—helping you directly manage a broad range of problems. Emphasizes information that frequently appears on board exams.

*Pediatric Colorectal and Pelvic Reconstructive Surgery* - Alejandra Vilanova-Sanchez  
2020-02-24

This book provides comprehensive coverage of the anatomical and physiological aspects of complex colorectal and pelvic malformations. Also described are the surgical protocols for this specialized field within pediatric surgery. The

benefits of high-level collaboration between surgical services when treating these anomalies are explained, as are treatment algorithms and care of complications. Includes evaluation and management of the newborn Describes surgical interventions of the newborn, and when a primary repair versus a staged approach is required Explains the value of laparoscopy and deciding in which cases to use it Looks at the importance of a transition program to adulthood Pediatric surgeons worldwide and the teams in which they work will benefit from this well illustrated and comprehensive work.

Oxford Textbook of Geriatric Medicine - Jean-Pierre Michel 2018

Over the past two decades there has been a marked change in global age demographics, with the number of over-60s increasing by 82% and the number of centenarians by 715%. This new-found longevity is testament to the success of recent advances in medicine, but poses significant challenges to multiple areas of health

care concerning older patients. Building upon its predecessor's reputation as the definitive resource on the subject, this new edition of the Oxford Textbook of Geriatric Medicine offers a comprehensive and multinational examination of the field. Fully revised to reflect the current state of geriatric medicine, it examines the medical and scientific basis of clinical issues, as well as the ethical, legal, and socio-economic concerns for healthcare policy and systems. Over 170 chapters are broken up into 16 key sections, covering topics ranging from policy and key concepts through to infection, cancer, palliative medicine, and healthy ageing. New material includes focus on the evolving concepts of malnutrition, sarcopenia, frailty, and related geriatric syndromes and integration of geriatric principles from public health, primary and specialized care, and transitional stages from home to emergency, medicine and surgery, rehabilitation, and long term care. The Oxford Textbook of Geriatric Medicine brings together

specialists from across the globe to provide every physician involved in the care of older patients with a comprehensive resource on all the clinical problems they are likely to encounter, as well as on related psychological, philosophical, and social issues.

**The SAGES Manual of Colorectal Surgery -**  
Patricia Sylla 2019-10-17

This book provides essential didactic content for the SAGES University Masters Program Colorectal Surgery Curriculum. Surgeons seeking to complete the competency, proficiency, or mastery curriculum of the MASTERS Colorectal Pathway for a particular anchoring colorectal procedure will find relevant educational content in this SAGES Manual. Written by experts in the field, each chapter provides detailed guidance on preoperative and peri-procedural considerations for right and left elective and emergency colorectal resections, for both benign and malignant pathologies. Technical pearls and strategies to manage

pitfalls and complications are also extensively reviewed along with detailed guidance for both laparoscopic and robotic procedures. The SAGES Manual of Colorectal Surgery provides a wealth of practical guidance to surgeons along their journey to progress from competency to mastery in various minimally invasive approaches to colorectal surgery.

*Difficult Decisions in Thoracic Surgery* - Mark K. Ferguson 2020-07-02

This updated volume provides a practical guide to decision making within thoracic surgery. Focussed chapters contain pithy analyses and recommendations that allow useful information to be identified at a glance. All new chapters bring insight into the challenges faced operating on the lung, esophagus, diaphragm, airway, pleura, mediastinum, and chest wall. *Difficult Decisions in Thoracic Surgery* aims to help the reader navigate the complexities of thoracic surgery through clearly formatted and evidence-based chapters. The book is relevant to

practicing and trainee surgeons, as well as medical professionals working within thoracic surgery.

*Minimally Invasive Approaches to Colon and Rectal Disease* - Howard M. Ross MD FACS FASCRS 2014-11-22

This text provides a clear, reproducible, step-by-step guide for each colorectal surgery operation. The format follows that of both a “how to” manual as well as an algorithm-based guide to allow the reader to understand the thought process behind the proposed treatment strategy. Each chapter includes both operative technical details as well as perioperative “tips and tricks” that the authors utilize in the management of these complex surgical patients. In addition, it addresses the optimal “next step” in dealing with more challenging situations such as pregnancy, emergent surgery, the elderly, and the obese patient. Throughout the text, each author provides an ongoing narrative of his/her individual surgical techniques along with color

illustrations and diagrams to “personally” take the reader through the crucial steps of the procedure, as well as key points of patient care inherent to that topic. Additionally, where appropriate, links to online or downloadable videos will give the reader an up-front look into technical aspects of traditional straight laparoscopic and hand-assisted minimally invasive surgery, as well as NOTES, transanal, robotic, single incision colectomy and combined laparoscopic-endoscopic resection. Minimally Invasive Approaches to Colon and Rectal Disease: Technique and Best Practices will be of great utility to colorectal, general and oncologic surgeons who want to learn or improve their minimally invasive skills in colorectal surgery. Furthermore, this text will be of particular interest to the surgeons-in-training, and the general and colorectal surgeon who is often called upon to manage a variety of colorectal surgery conditions through a minimally invasive approach.

## **The ASCRS Textbook of Colon and Rectal Surgery** - Scott R. Steele 2016-03-24

This third edition text provides a completely revised and updated new version of this unique, modern, practical text that covers the strategic evaluation, specific approaches, and detailed management techniques utilized by expert colorectal surgeons caring for patients with complex problems—whether they result from underlying colorectal disease or from complications arising from previous surgical therapy. The format follows that of both a “how to” manual as well as an algorithm-based guide to allow the reader to understand the thought process behind the proposed treatment strategy. By making use of evidence-based recommendations, each chapter includes not only background information and diagnostic/therapeutic guidelines, but also provides a narrative by the author on his/her operative technical details and perioperative “tips and tricks” that they utilize in the

management of these complex surgical challenges. Distinctive to this book, is the reliance on experts in the field including past presidents of the ASCRS, as well as multiple other national and internationally recognized surgeons, to lend their personal insight into situations where data may be more sparse, but individual and collective experience is paramount to making sound decisions and thereby optimizing patient outcomes. The text includes chapters on the assessment of risk and methods utilized to minimize perioperative complications. In addition, it incorporates sections covering the medical and surgical therapies for abdominal, pelvic and anorectal disease. Moreover, the technical challenges of managing complications resulting from the original or subsequent operations is addressed. The underlying focus throughout the text is on providing pragmatic and understandable solutions that can be readily implemented by surgeons of varying experience to successfully

treat complex colorectal problems. However, it also goes beyond the technical aspects of colorectal surgery and includes special sections highlighting the essence of a surgeon; covering aspects involving the medical-legal, ethical, and economic challenges confronting surgeons. Throughout the text, each author provides an ongoing narrative of his/her individual surgical techniques along with illustrations and diagrams to “personally” take the reader through the crucial steps of the procedure, and key points of patient care inherent to that topic. Additionally, where appropriate, links to online videos give the reader an up-front look into technical aspects of colorectal surgery.

*Brocklehurst's Textbook of Geriatric Medicine and Gerontology E-Book* - Howard M. Fillit  
2016-05-06

The leading reference in the field of geriatric care, Brocklehurst’s Textbook of Geriatric Medicine and Gerontology, 8th Edition, provides a contemporary, global perspective on topics of

importance to today's gerontologists, internal medicine physicians, and family doctors. An increased focus on frailty, along with coverage of key issues in gerontology, disease-specific geriatrics, and complex syndromes specific to the elderly, makes this 8th Edition the reference you'll turn to in order to meet the unique challenges posed by this growing patient population. Consistent discussions of clinical manifestations, diagnosis, prevention, treatment, and more make reference quick and easy. More than 250 figures, including algorithms, photographs, and tables, complement the text and help you find what you need on a given condition. Clinical relevance of the latest scientific findings helps you easily apply the material to everyday practice. A new chapter on frailty, plus an emphasis on frailty throughout the book, addresses the complex medical and social issues that affect care, and the specific knowledge and skills essential for meeting your patients' complex needs. New content brings

you up to date with information on gerontechnology, emergency and pre-hospital care, HIV and aging, intensive treatment of older adults, telemedicine, the built environment, and transcultural geriatrics. New editor Professor John Young brings a fresh perspective and unique expertise to this edition.

**Manual of Fast Track Recovery for Colorectal Surgery** - Nader Francis 2012-01-02

Manual of Fast Track Recovery for Colorectal Surgery provides a broad overview on enhanced recovery, with expert opinions from leaders in the field regarding elements of enhanced recovery care that are generic and specific to colorectal surgery. This book covers the patient journey through such a programme, commencing with optimisation of the patient's condition, patient education and conditioning of their expectations. Manual of Fast Track Recovery for Colorectal Surgery investigates the metabolic response to surgery, anaesthetic contributions and optimal fluid management,

after surgery. It also details examples of enhanced recovery pathways and practical tips on post-operative pain control, feeding, mobilisation and criteria for discharge. *Manual of Fast Track Recovery for Colorectal Surgery* is a valuable reference tool for colorectal surgeons, anaesthetists, ward nurses and other members of the team involved in perioperative care: pain control specialists, physiotherapists, dietitians, specialist therapists (such as colorectal and stoma nurses), and outpatient nurses.

*Fundamentals of Anorectal Surgery* - David E. Beck 2018-12-24

This book is a comprehensive and current guide to the diagnosis and treatment of the entire spectrum of anorectal diseases. It focuses mainly on anorectal problems, as anorectal pathology is often more complex and challenging for surgeons than colonic diseases. The book covers anorectal anatomy, physiology, and embryology as a foundation to a detailed description of preoperative, intraoperative, and post-operative

patient management. All surgical procedures are shown in step-by-step detail by leading surgeons and gastroenterologists. This book will be relevant to general, colon, and rectal surgeons in training and practice, gastroenterologists, and other practitioners with an interest in anorectal diseases.

*Complexities in Colorectal Surgery* - Scott R. Steele 2014-02-03

*Complexities in Colorectal Surgery: Decision-Making and Management* provides a unique, modern, practical guide that covers the strategic evaluation, specific approaches, and detailed management techniques utilized by expert Colorectal Surgeons caring for patients with complex problems—whether they result from underlying colorectal disease or from complications arising from previous surgical therapy. The text is formatted as both a “how-to” manual as well as an algorithm-based guide allowing the reader to understand the thought process behind the proposed treatment

strategies. By making use of evidence-based recommendations, each chapter will include not only diagnostic and therapeutic guidelines, but also a narrative by the author on his/her operative technical details and perioperative “tips and tricks” that they utilize in the management of these complex surgical challenges. This text includes chapters on the assessment of risk and nutritional intervention methods utilized to minimize perioperative complications. In addition, sections on medical and surgical therapies for abdominal, pelvic and anorectal disease are incorporated. Moreover, the technical challenges of managing complications resulting from the original or subsequent operations is addressed. The underlying focus throughout the text is to provide pragmatic and understandable solutions that can be readily implemented by surgeons of varying experience to successfully treat complex colorectal problems. The text also goes beyond the technical aspects of Colorectal Surgery and

includes special sections highlighting the essence of a surgeon. These include chapters describing the importance of the first encounter, building patient rapport, and demonstrating confidence and competence while showing humility and avoiding arrogance. Additionally, aspects involving the medical-legal, ethical, and economic challenges confronting surgeons are covered.

**Laparoscopic Colectomy** - Sharon L. Stein  
2020-06-11

This book is designed specifically to help equip new surgeons with the anatomical and technical knowledge to supplement hands on experience in minimally invasive colon and rectal surgery. There are multiple colorectal surgeries which distinctly lend themselves to the use of the laparoscopic approach. To assist the junior surgeon who is embarking on a career in surgery, expert surgeons and educators in the field of colon and rectal surgery from around the country authored the chapters included in this

book. Chapters describe key elements of each surgery, including the order of surgery, when and how the surgeon created tension, rotated the patient, and optimized flow of the surgery. Chapters also contain tips and pitfalls that are not always explicitly presented when describing a surgical approach in order to provide readers with a diverse toolkit. Each chapter is also full of new illustrations that show the direction of traction, the line of dissection, and the anatomy of the colon. The illustrations also present tools in a color-coded format to clearly distinguish between the surgeon's and the assistant's tools. Laparoscopic Colectomy: A Step by Step Guide is a valuable resource to residents and junior attendings who wish to master laparoscopic colon and rectal surgery.

**MEDINFO 2017: Precision Healthcare Through Informatics** - A.V. Gundlapalli

2018-01-31

Medical informatics is a field which continues to evolve with developments and improvements in

foundational methods, applications, and technology, constantly offering opportunities for supporting the customization of healthcare to individual patients. This book presents the proceedings of the 16th World Congress of Medical and Health Informatics (MedInfo2017), held in Hangzhou, China, in August 2017, which also marked the 50th anniversary of the International Medical Informatics Association (IMIA). The central theme of MedInfo2017 was "Precision Healthcare through Informatics", and the scientific program was divided into five tracks: connected and digital health; human data science; human, organizational, and social aspects; knowledge management and quality; and safety and patient outcomes. The 249 accepted papers and 168 posters included here span the breadth and depth of sub-disciplines in biomedical and health informatics, such as clinical informatics; nursing informatics; consumer health informatics; public health informatics; human factors in healthcare;

bioinformatics; translational informatics; quality and safety; research at the intersection of biomedical and health informatics; and precision medicine. The book will be of interest to all those who wish to keep pace with advances in the science, education, and practice of biomedical and health informatics worldwide.

**Toma de Decisiones En Cirugía** - Robert C McIntyre, MD Facs 2020-02-14

Los algoritmos presentados en este texto facilitan la evaluación y el manejo de 150 problemas quirúrgicos comunes. Identifican alternativas de diagnóstico, opciones de tratamiento y resultados al sopesar los beneficios de las decisiones contra los riesgos y los costos. Se centran en los puntos críticos de decisión de los problemas quirúrgicos más comunes y enumeran específicamente los datos clave que conducen a una decisión. Se añaden explicaciones concisas a los puntos apropiados de los algoritmos para explicar todos los factores críticos que afectan a las decisiones y para ofrecer una forma rápida y

eficaz de revisar las cuestiones clave y tomar las mejores decisiones clínicas. Obra con un enfoque práctico y de probada eficacia, consistente en el uso de algoritmos de fácil comprensión que abarca los más relevantes protocolos y guías basadas en la evidencia para la toma de decisiones en cirugía. Contiene 58 capítulos nuevos e información exhaustivamente actualizada en todos los capítulos. Aborda nuevos temas como la evaluación preoperatoria del paciente geriátrico, la neoplasia del páncreas, el cáncer de mama hereditario, el uso del balón de resucitación endovascular y el traumatismo cerebrovascular cerrado, entre muchos otros. Sigue un formato sistemático y de fácil comprensión, con algoritmos y texto explicativo en páginas encaradas; cada paso del proceso de decisión está perfectamente identificado mediante una letra (A, B, C, etc.) tanto en el propio algoritmo como en el texto explicativo. Incluye notas aclaratorias que resumen signos y síntomas, pruebas de

laboratorio, modalidades diagnósticas, tratamientos quirúrgicos y terapias complementarias para cada trastorno.

### **Chronic Pelvic Pain and Pelvic Dysfunctions**

- Alessandro Giammò 2020-10-24

This book provides readers with a holistic approach to chronic pelvic pain which is an extremely complex condition with associated pelvic dysfunctions. This approach significantly facilitates and accelerates the clinical assessment and subsequent follow-up. The pathophysiologic mechanisms involving the nervous system, the pelvic organs and the pelvic floor are discussed, deepening the possible implications on mind, sexuality and pelvic

dysfunctions. Evaluation and diagnosis are examined for different types of syndromes. Moreover, since the Bladder Pain Syndrome and the Interstitial Cystitis are main causes of pelvic pain, an original diagnostic approach is proposed specifically for these conditions. In order to deliver the best clinical outcomes, this new system provides a multidisciplinary approach, both in the diagnostic phase and in the therapeutic phase. The most recent therapies for chronic pelvic pain following a multidisciplinary approach are described in detail. Due to its practice-oriented contents, the book will greatly benefit all professionals dealing with this debilitating disease, supporting them in their daily clinical routine.