Advances in Abdominal Wall Reconstruction

Advances in Abdominal Wall Reconstruction-Albert Losken 2012-07-22 This practical, go-to reference by Drs. Losken and Janis will provide you with the tools you need when addressing a host of abdominal wall problems, ranging from simple to complex hernia repair and abdominal wall reconstruction. It provides information on the latest developments in mesh and biologic materials and their applications for abdominal hernia repair as well as step-by-step surgical technique for ensuring successful outcomes in all types of abdominal wall reconstruction. Advances in Abdominal Wall Reconstruction presents the range of current options available for surgical repair in a systematic fashion. Treatment options and algorithms provide readers with insights into choices for approaching different problems. Strategies for minimizing morbidity and for avoiding recurrences are also discussed in detail as are helpful hints and tricks and safe options for dealing with complex problems. New techniques are described along with the evidence-based data on outcomes and numerous case examples to reinforce important concepts. Potential problems and pitfalls are thoroughly covered to help surgeons avoid potential complications. Although the main focus of this book is on surgical technique, it also discusses basic principles, etiology of abdominal defects, and results and outcomes. The first part focuses on fundamentals and essential chapters devoted to abdominal wall anatomy, hernia defect classification, abdominal wound care and synthetic meshes, and tissue biologics for abdominal wall reconstruction. Parts II and III are devoted to various types of abdominal wall reconstruction as well as simple and complex hernia repair using synthetic meshes and biologics. Chapters within these sections are clinical and technique-oriented, with ample illustrations and photos depicting the different surgical approaches. A key chapter in this section focuses on “Anatomic Components Separation: Applications and Advances in Technique.” This simple, reliable technique is one of the most exciting, recent advances in abdominal wall reconstruction. Another hot topic covered in depth in several comprehensive chapters is that of biologics and abdominal wall repair; these materials have revolutionized abdominal wall reconstruction. Critical chapters are included on the science behind biologics as well as specific techniques for using them. Other cutting-edge topics include: laparoscopic hernia repair and management of parastomal hernias, enteroatmospheric fistulas, postoperative abdominal bulges (a common, challenging problem), and recurrent ventral hernias, to name a few. An exciting chapter on abdominal wall transplantation gives readers insight into promising new developments and what lies on the horizon in abdominal wall reconstruction. Hot Topics: Biologics in Abdominal Wall Reconstruction: Basic Science and Technical Considerations Synthetic Mesh in Abdominal Wall Reconstruction Separation of Anatomic Components Method of Abdominal Wall Reconstruction: Application and Advances in Technique Minimally Invasive Ventral Hernia Repair Management of Postoperative Abdominal Bulges The Retro-Rectus Technique for Mesh Placement Atlas of Abdominal Wall Reconstruction E-Book-Michael J. Rosen 2016-07-31 The second edition of Rosen’s Atlas of Abdominal Wall Reconstruction has been completely updated and updated to include today’s latest advances in abdominal wall surgery. Coverage of 10 brand-new operative procedures provides the clear guidance needed to make the most effective use of both commonly performed and new and emerging surgical techniques for reconstruction. Comprehensive in scope and lavishly illustrated throughout, it’s a must-have resource that residents and practitioners alike will reference for repairs ranging from the simple to the complex. Covers congenital as well as acquired abdominal wall problems and surgeries, presenting readers with the full range of disorders which cause these defects and their surgical therapies. High-quality 4-color anatomical illustrations and clinical intra-operative photos allow users to view internal structures in a meaningful way. Features laparoscopic, open, and hybrid surgical approaches, providing surgeons with the skills necessary to repair both simple and complex defects. Familiarizes readers with all aspects of the preoperative, intraoperative and postoperative care of the patient. Covers the latest advances in reconstruction, including mesh deployment techniques and minimally invasive techniques for hernia repair. Highlights 10 brand-new operative procedures: -Posterior Component Separation with Transversus Abdominus Muscle Release -Open Ventral Hernia Repair with Onlay Mesh: Chemical Component Separation with Botox -Perineal Hernia Repair -Robotic Transabdominal Preperitoneal (r-TAPP) Hernia Repair for Ventral Hernias -Surgical Approach to the Rectus Diastasis -Umbilical Hernia Repair -Repair of the Post-TRAM Bulge/Hernia -Transabdominal Preperitoneal Inguinal Hernia Repair -Laparoscopic Totally Extraperitoneal Inguinal Hernia Repair Includes a new chapter on the Preoperative Optimization of the Hernia Patient: Abdominal Wall Reconstruction-Maurice Nahabedian 2013-11 Laparoscopic Ventral Hernia Repair-Salvador Morales-Conde 2013-12-11 Primary and incisional ventral hernias are common conditions often encountered in surgical practice. Because of the frequency of this problem it has come to be managed by surgeons in general, regardless of the type of hospital or the conditions dealt with in their daily practice. Laparoscopic surgery has demonstrated to have an important role among the different techniques described to repair ventral hernia with less recurrency, less morbidity and less overall cost than open conventional repair, with all the advantage of the laparoscopic approach. As a result the indications for this surgical technique are currently being debated since the advantages are evident and progressive implementation is ensured. Now is the time to analyze the usefulness, results, technical variants, anatomic, physiologic and scientific basis and implications involved in implementation of laparoscopy as the technique of choice: Abdominal Wall Surgery-Dalila Patrizia Greco 2019-06-15 This book presents different patient perspectives from surgeons, economic evaluation and management researchers, and business companies active in the healthcare sector, striking a balance between the appropriateness/efficacy of treatment and efficiency/cost. It does not include technical surgical details, but instead provides the necessary knowledge regarding different groups of patients to help economic and management researchers make accurate evaluations. Although partially based on the specific case of abdominal wall surgery in the Italian health system, the book defines a model that can, with the necessary adaptations, be applied in other national contexts. It also analyzes different reimbursement systems and methods of data collection. This approach supports the evolution from evidence-based medicine (EBM) to the future of real-world data (big data analysis). Further, it highlights the critical issue of “silos” reimbursement, which is the pillar of DRG, and proposes methodology to evaluate the direct and indirect benefit and costs of surgery (for example quality of care, costs incurred in cases of surgical complications due to the use of inappropriate, low-cost material or due to surgical procedure. It is a valuable resource for clinicians, surgeons, policymakers and managers in the field. Surgery of Complex Abdominal Wall Defects-Rifat Latifi 2017-05-31 As with the first edition, the second edition of this book covers the surgical anatomy of the abdominal wall, pathology of abdominal wall defects, such as hernias, enterocutaneous or entero-atmospheric fistulae, and indications for and surgical techniques used to reconstruct the abdominal wall from the practical standpoint. In addition, through a number of illustrations, the placement of mesh in the abdominal wall reconstruction as well as manipulations of patient’s tissue including lateral compartment release techniques and other tissue transfer techniques are described in detail. The text also covers reconstruction of complex contaminated abdominal wall defects in patients with complex enteric fistulae, stomas, defects created after the excision of previously placed infected prosthetic mesh, and defects associated with acute tissue loss after severe trauma or necrosis of abdominal wall such as necrotizing soft tissue infections. Complex abdominal wall defects in the pediatric population and long-term outcomes and durability of these repairs are also addressed. The second edition of Surgery of Complex Abdominal Wall Defects is written by experts in their respective areas from around the world and has been updated thoroughly. As with the first edition, it will continue to serve as a guide for current practice for surgeons, including general, trauma, acute care, plastic and reconstructive surgeons. The Art of Hernia Surgery-Giampiero Campanelli 2018-07-30 This book is a comprehensive guide to the surgical repair of inguinal and abdominal wall hernias.
hernias that not only describes all potential approaches, but also places them in the context of the anatomy of the region, the pathology, and the advances in scientific understanding over the past decade. It documents in detail the individual techniques applicable in each region (inguinal, femoral, and ventral), highlighting tips and tricks on focusing on indications, potential complications, and outcomes. In addition, it presents cases of incisional hernias and examines less frequent and rare cases and complex situations. Written for surgeons from around the globe, it includes procedures used internationally, developed by those without mesh more commonly employed in developing countries. With a format designed to facilitate use in daily practice, it is invaluable for residents seeking step-by-step guidance on procedures ranging from repair of simple inguinal hernias to complex reconstruction. It is for hernia specialists aiming to achieve optimal results. It also appeals to researchers with an interest in the scientific background to hernia surgery.

Manual of Complex Abdominal Wall Reconstruction-Jeff Garner 2021-01-04

This book provides a useful guide for the management of complex abdominal wall problems from the perspective of a general surgeon, with sensible, practical clinical advice for the management of problems as they arise. Starting from managing the open abdomen and optimising the chances of achieving later definitive fascial closure, through to dealing with incisional and parastomal hernias throughout the abdomen. Expert guidance supported by an evidence-based review of the literature aids higher surgical trainees and consultant general surgeons who wish to expand their practice in this area. Focuses on the needs of the general surgeon. Offers practical tips and advice for handling difficult cases based on current best evidence. Complemented by high-quality images.

Surgical Decision Making-Rifat Latifi 2016-04-30

This text provides a comprehensive and state-of-the-art overview of the major issues specific to the surgical decision-making process. These include patient's anatomy and pathophysiology, the surgeon's own physiologic and mental status, training and experience, and many other factors such as creativity, leadership skills, and overall "biochemistry" of the environment. The text reviews theoretical as well as objective information that surgeons use to make intraoperative decisions in situations, often with very limited data, decisions that may affect a patient's living or dying, such as in trauma surgery and other complex surgeries. How surgeons choose one technical approach over another in these situations is covered. This book fills a critical need for resource material on these topics and includes both theoretical as well as practical presentations of many typical patients seen in operating rooms around the world. Surgical Decision Making: Beyond the Evidence Based Surgery is written by academic and clinical practicing surgeons that face intraoperative decision situations on a daily basis and therefore provides a unique and valuable resource in the field for surgeons currently in training and for those already in clinical or research practice.

Recent Advances in Surgery 35-Colin D Johnson 2013-04-30

Recent Advances in Surgery provides the latest volume in the series that reviews current topics in general surgery and in its major subspecialties. Divided into five sections, this volume includes chapters on perioperative care, cardiopulmonary exercise testing for abdominal surgery, breast reconstruction, facial paralysis, a range of gastrointestinal subjects and the complex skin and soft tissue challenges. The textbook provides unparalleled step-by-step instructions to perform both routine and complex repairs by the individual techniques applicable in each region (inguinal, femoral, and ventral), highlighting tips and tricks and focusing on indications, potential complications, and outcomes. In addition, it presents cases of incisional hernias and examines less frequent and rare cases and complex situations. Written for surgeons from around the globe, it includes procedures used internationally, developed by those without mesh more commonly employed in developing countries. With a format designed to facilitate use in daily practice, it is invaluable for residents seeking step-by-step guidance on procedures ranging from repair of simple inguinal hernias to complex reconstruction. It is for hernia specialists aiming to achieve optimal results. It also appeals to researchers with an interest in the scientific background to hernia surgery.
the world’s leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assessed, and approved by the editorial board of Scholarly Editions and is available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at http://www.ScholarlyEditions.com/.

Open Abdomen-Federico Coccolini 2018-01-28 This book is the first available practical manual on the open abdomen. The handy format will allow practicing surgeons, residents, gastroenterologists, and physiotherapists to use it as a ready source of information on all aspects of management of the open abdomen in a wide variety of settings. The coverage includes, for example, the open abdomen in trauma, intra-abdominal sepsis, and acute pancreatitis, step-by-step descriptions of different techniques of abdominal closure, avoidance of high-quality colosuture, guidance on potential complications and their management, and features of management in different age groups. Throughout, the guidance provided is state of the art, reflecting recent innovations and drawing upon a thorough and up-to-date literature review. Useful tips and tricks are highlighted, and the book is designed to aid in daily decision making. The authors include worldwide opinion leaders in the field, guaranteeing the high scientific value of the content.

The SAGES Manual of Hernia Surgery-S. Scott Davis, Jr. 2018-11-23 This edition of the SAGES Manual of Hernia Surgery aligns with the current version of the new SAGES University MASTERS Program Hernia Surgery pathway. This manual serves as a curriculum for participants in the MASTERS Program, as well as a modern text on hernia surgery for all learners. Hernia surgery is one of the fastest developing fields in general surgery today. There have been rapid advancements in hernia techniques in recent years, making most prior texts on the subject obsolete. These advancements involve significant evolution in both the techniques and strategies for hernia repairs, as well as the tools used to achieve these means. This text comprehensively addresses the technique sections and options for locations of mesh repairs. It also discusses the revolution of hernia repair being facilitated by robotic surgery, which allows increased access to minimally invasive techniques for surgeons and thus increased access to minimally invasive surgical repairs for patients. This manual will be a valuable resource for surgeons looking to understand the variety of potential approaches to individual hernias, and to individually tailor the care of the hernia patient.

The SAGES Manual of Hernia Repair-Brian P. Jacob 2012-11-13 The SAGES Manual of Hernia Repair will serve as a state-of-the-art resource for hernia surgeons and residents alike who are interested in the rapidly evolving area of abdominal wall hernia repair. This manual captures and summarizes the current trends in the field, as well as describing the new ideas, programs, and strategies regarding hernia repair. Through a unique section called Current Debates in Inguinal Hernia Repair, this volume also provides readers an overview of the current opinions on many of the ongoing debates of this time period. Furthermore, the manual is lavishly illustrated, containing an array of instructional charts and photographs, and is authored by a panel of experts in hernia repair. Comprehensive and easily accessible, The SAGES Manual of Hernia Repair is a portable reference that will be of great value to all practicing surgeons and residents working in the field of abdominal wall hernia repair.

Component Anatomical Reconstruction-Tudorache 2018-05-02 Nowadays, nobody can imagine practicing obstetrics without using obstetrical ultrasound. Working in the prenatal diagnosis field requires dedication, patience, skills, experience, caution, and empathy. The concept of this book was guided by the desire to provide some help to the ultrasound operators. On a daily basis, they are confronted with the challenging task of ruling out or suspecting/confirming the diagnosis of fetal anomalies, either structural or chromosomal. The chapters of this book contain objective and exhaustive updated reviews of the pertinent literature, so that the reader would have a wide reference basis on each subject. Yet, many authors scan the fetus themselves or are directly involved with managing pregnancies with structural malformations or chromosomal anomalies. They kindly shared their personal experiences, and their knowledge. We believe that this book is a valuable resource for surgeons including using biologic components in component anatomical reconstruction and utilizing minimally invasive endoscopic techniques are described. This book is not only appropriate for all practicing surgeons that deal with this complex issue, but is also relevant for residents and fellows who are just getting their first exposure to open abdominal surgery. New Horizons in Laparoscopic Natural Orifice Translumenal Endoscopic Surgery (NOTES)-Ferhatoglu 2018-09-19 Approximately 100 years ago, after the first diagnostic laparoscopy and subsequent developments, the adventure began with laparoscopic appendectomy and cholecystectomy and reached a point where any surgical procedure could be performed easily. Today, many endoscopic surgical procedures have an important role not only in general surgery, but also in the daily practice of specific surgical branches such as plastic surgery. The development and change of speed make rapid replacement of the visual and printed materials necessary for training in this area. This book is prepared by surgeons who are very successful in their field: Reconstructive Surgery-Stephen J. Mathes 1997 Handbook of Tissue Engineering Scaffolds: Volume Two-Massoud Moazami 2014-05-15 Handbook of Tissue Engineering Scaffolds: Volume Two provides a comprehensive and authoritative review on recent advancements in the application and use of composite scaffolds in tissue engineering. Chapters focus on specific tissue/organ (mostly on the structure and anatomy), the materials used for treatment, natural composite scaffolds, synthetic composite scaffolds, fabrication techniques, innovative materials and approaches for scaffolds preparation, host response to the scaffolds, challenges and future perspectives, and more. Bringing all the information together in one major reference, the authors systematically review and summarize recent research findings, thus providing an in-depth understanding of scaffold use in different body systems. Dedicated to the specialist topic of composite scaffolds, featuring all human body systems Covers basic fundamentals and advanced clinical applications Includes up-to-date information on preparation methodology and characterization. Techniques Highlights clinical data and case studies Surgery of Complex Abdominal Wall Defects-Ratif Latif 2013-05-21 Complex abdominal wall hernias and complex abdominal wall defects, including stomas or the use of abdominal wall structures. The surgical techniques described in this book are common and challenging for surgeons. The lack of high quality evidence leaves surgeons without clear guidance regarding the selection of technique or material to be used when treating these serious problem. Surgery of Complex Abdominal Wall Defects has been written to provide this guidance. It covers the surgical techniques used to reconstruct the abdominal wall. It includes the most important innovations in the field of abdominal wall defects, such as hernias, enterocutaneous or entero-atmospheric fistulae, indications for, and surgical techniques used to, reconstruct the abdominal wall. In addition, through a number of illustrations, the placement of mesh in the abdominal wall reconstruction, as well as manipulations of patient’s tissue including lateral compartment release, techniques and current tissue transfer techniques are described in detail. The text also covers reconstruction of complex contaminated abdominal wall defects in patients with complex enteric fistulae; ostomies, defects created after the excision of previously placed infected prosthetic mesh, and defects associated with acute tissue loss after severe trauma or necrosis of abdominal wall such as necrotizing soft tissue infections.
Complex abdominal wall defects in pediatric population and long-term outcomes and durability of these repairs are also addressed. Surgery of Complex Abdominal Wall Hernias is written by experts in their respective fields from around the world. It will serve as a guide for current practice for surgeons, including general, trauma, acute care, plastic and reconstructive surgeons.

Techniques of Abdominal Wall Hernia Repair—Pradeep Chowdry 2020-01-10 Written by an international team of experts, and endorsed by the American Pacific Hernia Society (APHS), the main objective of this book is to provide and promote best practices in hernia surgery. It is intended for those surgeons who are already performing hernia repair surgeries, helping them update their surgical know-how in a landscape of rapidly improving techniques. Covering all the commonly performed procedures, from tissue repair to mesh repair (both conventional and laparoscopic), it presents all currently available techniques in detail, addressing the needs of younger and more experienced surgeons alike. Each surgical procedure is explained step by step and supported with high-resolution serial intra-operative photographs and line diagrams. While the majority of the text covers the surgical anatomy, classification, pathophysiology, and imaging techniques for hernias, a closing chapter on future directions introduces readers to the latest and emerging techniques and approaches.

Reconstructing the War Injured Patient—Ghassem Soleiman Abu-Sittah 2017-07-24 This text provides a comprehensive and state-of-the-art approach to reconstruction of the war injured patient tailored to the types of injuries and patients mostly encountered from the Arab region over the past few years at the American University of Beirut Medical Center, one of the largest tertiary care and referral centers in the area and its affiliated hospitals. The book discusses in detail evidence of literature, new research data and new perspectives about the management and reconstruction of all types of injuries: ophthalamic, head and neck, upper and lower limb bone and soft tissue trauma, trunk, visceral and urogenital injuries as well as vascular and central and peripheral nerve injuries. It also highlights the social burden of these injuries as well as the importance of rehabilitation and psychological support for the war injured. The most recent findings of the change in the microbiology of these wounds and their treatment modifications are also discussed. Reconstructing the War Injured Patient will serve as a valuable resource for surgeons, clinicians and researchers dealing with and interested in the multiple facets of current war casualty care all the way from the battlefields to the long-term chronic rehabilitation. It includes concise yet comprehensive overviews of the current status of the war casualty patient reconstruction domain. It will help guide patient management based on evidence from literature, clinical and surgical experience and ongoing research. It will also help stimulate investigative efforts in this dynamic and active field of war medicine.

Abdominal Wall Hernias—Robert Bendavid 2012-12-06 Abdominal Wall Hernias is the most up-to-date, comprehensive reference available on all aspects of hernia repair. It includes state-of-the-art approaches to conventional open repairs using tissue-to-tissue techniques, the use of prosthetic mesh, the use of mini-invasive and laparoscopic procedures. It presents all aspects of the aortic disease in pediatric population and long-term outcomes and durability of these repairs are also addressed. Surgery of Complex Abdominal Wall Hernias is written by experts in their respective fields from around the world. It will serve as a guide for current practice for surgeons, including general, trauma, acute care, plastic and reconstructive surgeons-in-training.

New Approaches to Aortic Diseases from Valve to Abdominal Bifurcation—Ion C. Tintoiu 2017-11-15 New Approaches to Aortic Disease from Valve to Abdominal Bifurcation provides a complete look at aortic valve diseases from all points of view, including etiology, pathophysiology, prevention, diagnosis and treatment. The book offers new insights into the aortic valve and pathology based on evidence of current diagnostic methods, treatments and post-surgery evolution. Content is split into three distinct parts for ease of reference, including an overview of aortic pathology, diagnostic evaluations methods, and treatments. Also included are guidelines and future research directions, making this a must-have volume for all cardiologists and cardiovascular surgeons who address significant issues in this topic area. Present pathophysiological sequences that are shown in correlation with histological details Includes detailed clinical examinations and the value of the initial assessment using chest X-ray, echocardiography, angiography, CT angiography and magnetic resonance, etc. Provides conventional descriptions of surgical techniques that are entirely detailed, along with long-term follow-up.

Intra-Abdominal Hypertension—Manu Malbrain 2013-08-15 Clinical practical clinical handbook reviewing all aspects of the diagnosis and management of intra-abdominal hypertension; essential reading for all critical care staff. Advances in Polyurethane Biomaterials—Stuart L. Cooper 2016-01-23 Advances in Polyurethane Biomaterials brings together a thorough review of advances in the properties and applications of polyurethanes for biomedical applications. The first edition of this book covered biodegradable polyurethanes and their use in the biomedical field, including the fundamentals of polyurethanes. This second edition includes more information on the latest developments in polyurethane biomaterials, their applications and properties, and how they can be used in the future.

Advances in Tissue Regeneration—Huub J. Vos 2013-03-11 Advances in Tissue Regeneration is an authoritative and comprehensive introduction to the latest developments in tissue regeneration. It provides a comprehensive overview of the fundamentals of this material with chapters on properties and processing methods for polyurethane. Further sections cover significant uses such as tissue engineering and vascular and drug delivery applications. Written by an international team of leading authors, the book is a comprehensive and essential reference on this important biomaterial. It brings together in-depth reviews of the latest biodegradable polyurethanes, and provides an overview of many advanced biomedical applications.

Advances in Abdominal Wall Reconstruction—Ioannis G. Kirou 2015-06-10 Advances in Abdominal Wall Reconstruction is a comprehensive and state-of-the-art text about the latest advances in the field of abdominal wall repair. It covers all aspects of abdominal wall hernia surgery, from the anatomic background to the latest surgical techniques. The book provides a comprehensive overview of the current state of the art in abdominal wall hernia surgery, with a focus on the latest advances in minimally invasive and laparoscopic techniques. It is an essential reference for surgeons involved in the treatment of abdominal wall hernias, as well as for residents and fellows who are training in surgery.

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