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## GLASS JIMMY

### **Endoscopic Endonasal Transsphenoidal Surgery** W B Saunders Company

This book, written by expert surgeons, offers a comprehensive and up-to-date overview of all aspects of laparoscopic cholecystectomy. Coverage includes the indications for surgery, anesthesia, surgical technique, and the prevention and management of complications, with extensive reference to the latest clinical evidence and assessment of the benefits of the laparoscopic approach, for example in terms of outcomes and day surgery. New technologies, including SILS, NOTES, robotic surgery, and miniaturized instruments, are reviewed. The learning curve and training are also extensively discussed, and an individual chapter is devoted to the views of international experts in the field. Readers will find the book to be an ideal guide to this gold standard technique, which continues to evolve some 20 years after the National Institutes of Health Consensus Conference first published recommendations regarding indications for laparoscopic cholecystectomy.

### **Minimally Invasive Thyroidectomy** Springer Science & Business Media

Laparoendoscopic Single-Site Surgery (LESS) and Natural Orifice Transluminal Endoscopic Surgery (NOTES) are based on the premise that patients should benefit in terms of recovery time, physical discomfort, pain, and cosmesis if a surgical procedure can be performed without visible scarring. Scar-Less Surgery: NOTES, Transumbilical, and Others is a multi-disciplinary effort which weaves together the surgical aspects of these novel techniques. It is the first comprehensive reference on the subject providing state-of-the-art technical information to both general and urologic surgeons while also highlighting future developments and research needs.

### **Enhancement of Spatial Awareness in Natural Orifice Transluminal Endoscopic Surgery** Thieme

Natural Orifice Transluminal Endoscopic Surgery (NOTES) avoids skin incisions by accessing the abdominal cavity through natural orifices. Benefits include less pain, fewer complications and no scars. The aims of this study were to evaluate safety and efficacy of access techniques for natural orifice surgery, to investigate safety and efficacy of closure methodologies and to compare the inflammatory response induced by NOTES with that following conventional surgery. Access techniques were evaluated for safety and efficacy by measuring resultant injury and time required to access the peritoneal cavity in an acute porcine model. Four different gastrotomy closure modalities were evaluated for safety and efficacy by measuring clinical data, evidence of infection and closure integrity in a chronic porcine study. Markers of inflammation were measured in a chronic

study comparing NOTES to conventional surgery. 70 anterior transgastric access procedures were performed without any serious injury to adjacent organs. NOTES access required significantly longer than laparoscopic access. Of the seven methods evaluated none was significantly superior to others. In distinguishing between safe and unsafe alternate access sites, endoscopic ultrasound (EUS) provided a statistically significant difference for antral and posterior stomach access points but not for rectal access. Gastrotomy closure time varied widely for the four techniques evaluated. No leak was detected with any method and the strength of closure for each technique was equivalent to control. Three of the four methods resulted in injury and evidence of infection was found in all groups. Postoperative elevation of inflammatory markers was not significantly different between NOTES and laparoscopy except in the case of cortisol, which was greater in the laparoscopic group. This study supports the safety of anterior transgastric access while demonstrating the potential use of EUS in minimizing risks of injury at alternate sites. Likewise, evidence for the reliability of numerous closure techniques was demonstrated with concerns for the safety. Additionally, inefficient access and closure data exposed the technical challenges facing NOTES practitioners. Most importantly, NOTES produced an inflammatory response which was not significantly greater than that produced by conventional laparoscopic surgery, validating its potential and emphasizing the need to overcome the aforementioned technical challenges.

### **Clinical Gastrointestinal Endoscopy E-Book** Springer

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.

### Laparoscopic Cholecystectomy Springer

NOTES: Natural Orifice Transluminal Endoscopic Surgery, is a relatively new advancement of surgery and is still in its evolving state. Increasing interest in this surgery comes from the many advantages and better outcomes that it offers as compared to conventional open or other minimally invasive surgery. The book summarizes the evolution, concept, different types, complications, current status and the challenges of NOTES. We also report our results and experience with a new technique of pure transvesical NOTES, with a safe peritoneal entry and bladder closure.

### *Anesthesia Outside the Operating Room* Academic Press

Yamada's Textbook of Gastroenterology has for 20 years been the most comprehensive gastroenterology reference book, combining an encyclopaedic basic science approach to GI and liver disease with the latest clinical thinking, especially in diagnostic and therapeutic developments. It is universally respected across the globe. The original outstanding editorial team was led by Tadataka Yamada, MD, one of the world's leading figures in GI research. As in previous editions, the new textbook reflects the collective efforts of the editors and a hugely impressive team of contributors, who are each experts in their specific areas. Now with another world leader in gastroenterology as Editor-in-Chief, Daniel K. Podolsky MD, President and Professor of Internal Medicine at the University of Texas Southwestern Medical Center, together with a stellar group of associate editors, the 6th edition of this iconic textbook has been expanded and enhanced in many ways with new content and technology.

### *The SAGES Manual Ethics of Surgical Innovation* Springer Science & Business Media

This text provides a comprehensive review of the ethical issues involved with the development, evaluation, and introduction of new treatments of gastrointestinal diseases. How several landmark surgical innovations were developed are described to show the challenges faced, and the ethical dilemmas these innovators dealt with. The challenges of dealing with regulatory issues, and how to work with industry partners, and investors when working on a new therapy is described. Once a new technology has been brought to the market, standards need to be developed regarding the training, credentialing and adoption of the new technology. There are insufficient standards of how to balance the desire to provide patients the latest therapy with the obligation that patients receive informed consent about the new technology, and the relationship that the physician may have had with product development. The book describes the national perspective of paying for new technology, and provides one insurance company's approach to the introduction of innovative therapy. The Sages Manual Ethics of Surgical Innovation will be a resource for surgeons, researchers and health policy personnel to understand the ethical issues related to the development, introduction and adoption of innovative therapies for gastrointestinal diseases. Although the context for discussion is the application of innovation to gastrointestinal disease, the ethical issues are applicable to any discussion of innovative medical or procedural therapies.

### *Recent Advances in Laparoscopic Surgery* Oxford University Press

Praise for the previous edition: "Extraordinary achievement ... this volume stands on its own as a marvelous feat in bringing such a vast array of clear and coherent instruction to endoscopists at all skill levels."—Gastroenterology Written and edited by internationally renowned specialists, the third edition of Gastroenterological Endoscopy covers the entire spectrum of diagnostic and therapeutic

procedures for the upper and lower GI tract while providing the latest overview of GI disorders. A great wealth of high-resolution photographs provides the visual information needed to confidently assess and diagnose mucosal lesions of the entire digestive tract. Significant advances in the field—both medical and technical—since the last edition are covered in comprehensive detail. Key Features: New panel of top international editors, continuing the tradition of excellence, depth, and breadth as originated by founding editors Classen, Tytgat, and Lightdale; list of contributing authors is a "who's who" of GI endoscopy Coverage of newest, advanced tools and techniques: gastric-POEMS, submucosal tunnel endoscopic resection (STER), lumen-apposing metal stents, "over-the-scope" clips, and much more More than 1,500 exquisite images Gastroenterological Endoscopy, third edition, surely deserves a prominent place in any complete endoscopy reference collection. Michael B. Wallace, MD, is Professor of Medicine at the Division of Gastroenterology and Hepatology, Mayo Clinic, Jacksonville, Florida, USA Paul Fockens, MD, is Professor and Chair of the Dept. of Gastroenterology and Hepatology at the Academic Medical Center, University of Amsterdam, Amsterdam, The Netherlands Joseph Jao-Yiu Sung, MD, PhD, is Mok Hing Yiu Professor of Medicine and Director of the Institute of Digestive Diseases of The Chinese University of Hong Kong, Shatin, Hong Kong An award-winning international medical and scientific publisher, Thieme has demonstrated its commitment to the highest standard of quality in the state-of-the-art content and presentation of all its products. Founded in 1886, the Thieme name has become synonymous with high quality and excellence in online and print publishing.

### **Smith's Textbook of Endourology** LAP Lambert Academic Publishing

This manual presents a comprehensive and state of the-art approach to the diverse applications of surgical techniques and procedures through the endoscopic platform. Sections address preliminary issues faced by surgeons and physicians who may be initially undertaking these new techniques. These areas include training and credentialing, as well as tools and platforms commonly used for these procedures. Subsequent chapters focus on specific disease processes and the endoscopic applications for those procedures. Each section addresses patient selection, pre-operative considerations, technical conduct of the most common operations, and avoiding complications. A brief review of the existing literature addressing the particular topic follows in each section. The text concludes with chapters on future directions and device development. Written by experts in the field, The SAGES Manual Operating Through the Endoscope is a valuable resource to experienced advanced endoscopists looking to expand the types of procedures that they currently perform, as well as trainees, including residents, fellows and medical students.

### *Minimally Invasive Surgery* Springer

This outstanding new resource comprehensively covers the use of endoscopic procedures to diagnose and treat the full range of gastrointestinal disorders, from the proven to the most cutting-edge techniques. Internationally respected experts-pioneers in the field-bring you an extremely readable, yet complete text, stunning clinical photographs, clear step-by-step illustrations, and much more. You'll also find unique algorithms that offer protocols for patient care and tables that present key data. In addition, a bonus DVD that provides access to clinical photographs and videos of endoscopic procedures. Opens with a section that offers crucial, practical information on equipment and suite management. · Provides coverage on how to diagnose and treat every

condition endoscopically, including strictures · enteral access · GERD · inflammatory, infectious, and functional disorders of the digestive tract · neoplasms · and ERCP and EUS. · Presents information on cutting-edge techniques that may become part of daily practice. · Includes many stunning endoscopic photographs and step-by-step illustrations. · Comes with a bonus DVD that shows you real-time, expert demonstrations of techniques. · Features the expertise of internationally respected authorities and pioneers in the field. With 91 additional contributing experts.

*Scar-Less Surgery* Springer

Accompanying DVD-ROM, in pocket at front of v. 1, contains ... "video clips referenced in the text."--DVD-ROM label.

**Transanal Minimally Invasive Surgery (TAMIS) and Transanal Total Mesorectal Excision (taTME)** Springer Science & Business Media

Endoscopy is the primary diagnostic method for GI complaints and is replete with an ever expanding array of therapeutic capabilities. *Successful Training in Gastrointestinal Endoscopy* will provide all gastroenterologists with the exact set of skills required to perform endoscopy at the highest level. GI trainees will find it a crucial primer for learning endoscopy; teachers will find it a guide to understand how best to develop the expertise of their students; and experienced practicing gastroenterologists will find it a useful refresher tool to brush up on their existing endoscopic skills and to familiarise themselves with new procedures, including issues of safety and competence while performing them. With contributions from internationally recognized leaders in endoscopy education and an endorsement by the World Organisation of Digestive Endoscopy, each chapter will examine the specific skill sets and procedure related tasks which must be mastered when learning a particular technique, including: Specific descriptions of accessories required Standard training methods for the procedure Optimal utilization of novel learning modalities such as simulators Quality measures and objective parameters for competency Available tools for assessing competency once training has been completed In addition to the 400 high-quality, outstanding colour photos, the book will come with a DVD containing over 130 annotated teaching videos of both actual procedures and ex-vivo animal model simulations. These videos will illustrate, in a step by step fashion the proper techniques to be followed, highlighting clinical pearls from the experts and the most common mistakes to avoid. *Successful Training in Gastrointestinal Endoscopy* will be a key purchase for all gastroenterologists, whether in training or experienced, to allow them to develop and perfect their endoscopic skills. It will be a particularly useful guide for those interested in mastering the latest new techniques and procedures and an essential reference for teachers of endoscopy and students alike. Note: DVD and other supplementary materials are not included as part of eBook file. These materials are available for download upon purchase.

**Yamada's Textbook of Gastroenterology** John Wiley & Sons

Biomedical Engineering in Gastrointestinal Surgery is a combination of engineering and surgical experience on the role of engineering in gastrointestinal surgery. There is currently no other book that combines engineering and clinical issues in this field, while engineering is becoming more and more important in surgery. This book is written to a high technical level, but also contains clear explanations of clinical conditions and clinical needs for engineers and students. Chapters covering anatomy and physiology are comprehensive and easy to understand for non-surgeons, while

technologies are put into the context of surgical disease and anatomy for engineers. The authors are the two most senior members of the Institute for Minimally Invasive Interdisciplinary Therapeutic Interventions (MITI), which is pioneering this kind of collaboration between engineers and clinicians in minimally invasive surgery. MITI is an interdisciplinary platform for collaborative work of surgeons, gastroenterologists, biomedical engineers and industrial companies with mechanical and electronic workshops, dry laboratories and comprehensive facilities for animal studies as well as a fully integrated clinical "OR of the future". Written by the head of the Institute of Minimally Invasive Interdisciplinary Therapeutic Intervention (TUM MITI) which focusses on interdisciplinary cooperation in visceral medicine Provides medical and anatomical knowledge for engineers and puts technology in the context of surgical disease and anatomy Helps clinicians understand the technology, and use it safely and efficiently

**Successful Training in Gastrointestinal Endoscopy** John Wiley & Sons

Over the past twenty years, thousands of physicians have come to depend on Yamada's Textbook of Gastroenterology. Its encyclopaedic discussion of the basic science underlying gastrointestinal and liver diseases as well as the many diagnostic and therapeutic modalities available to the patients who suffer from them was—and still is—beyond compare. This new edition provides the latest information on current and projected uses of major technologies in the field and a new section on diseases of the liver. Plus, it comes with a fully searchable CD ROM of the entire content.

**Gastrointestinal and Pancreatico-Biliary Diseases: Advanced Diagnostic and Therapeutic Endoscopy** John Wiley & Sons

The implementation of laparoscopy has revolutionized surgery over the past few years, incorporating significant benefits for the patient. However, this evolution has also entailed many technical obstacles for surgeons. This book is for readers wanting to learn more about recent surgical techniques and technologies. Topics cover novel sophisticated approaches for single-site surgery, natural orifice transluminal endoscopic surgery, and transanal surgery, among others. Also included are reviews of new innovative surgical devices, robotic platforms, and methodological guidelines for improving surgical performance and surgeon ergonomics.

**Natural Orifice Transluminal Endoscopic Surgery, an Issue of Gastrointestinal Endoscopy Clinics** Springer

Praise for the previous edition: This work has great visual appeal and superb images...a superior text that will undoubtedly withstand the test of time.--Gastroenterology Written and edited by internationally renowned specialists, the second edition of *Gastroenterological Endoscopy* covers the entire spectrum of diagnostic and therapeutic procedures for the upper and lower GI tract and provides an up-to-date overview of GI disorders. The book opens with a section on the development and technology of endoscopy, followed by an expanded section on issues related to patient care, such as informed consent, sedation, and special clinical conditions. The discussion of techniques for the diagnosis of GI diseases ranges from enteroscopy and colonoscopy to recent advances in capsule endoscopy and chromoendoscopy. New to the section on therapeutic procedures is coverage of such topics as dilation techniques, resection, ablation, and dissection. The book closes with a chapter on pediatric endoscopy. Features of the second edition: Thirteen new chapters present current developments in the specialty, including evidence-based approaches, natural orifice

transluminal endoscopic surgery (NOTES) and hybrid procedures, endoscopic therapy in obesity, and therapeutic endosonography. Insightful contributions are presented in a format that aids rapid reference to key topics. 1,820 high-quality illustrations and endoscopic images, including over 1,135 in full-color, demonstrate anatomy and pathophysiology. Already a standard in the field, this text is an essential desk reference for all clinicians in gastroenterology, internal medicine, and GI surgery. Residents and fellows in these specialties will also greatly appreciate its easily accessible wealth of information and visual appeal.

NOTES and Endoluminal Surgery Saunders

Currently, surgical management provides the definitive treatment of choice for most pituitary adenomas, craniopharyngiomas and meningiomas of the sellar region. The elegant minimally invasive transnasal endoscopic approach to the sella turcica and the anterior skull base has added a new dimension of versatility to pituitary surgery and can be adapted to many lesions in the region. In this multi-author book with numerous color illustrations the main aspects of the endonasal endoscopic approach to the skull base are presented, starting with a clear description of the endoscopic anatomy, the panoramic view afforded by the endoscope and the development of effective instruments and adjuncts. After the diagnostic studies, the strictly surgical features are considered in detail. The standard technique is described and particular aspects are treated, including the new extended approaches to the cavernous sinus, sphenoid ethmoid planum and clival regions.

Biomedical Engineering in Gastrointestinal Surgery Thieme

The book provides a thorough, practical review of the latest advances in minimally invasive modalities in general surgery. The organization follows a systems/disease model approach and has a select group of world renowned contributors.

Advanced Gynecologic Endoscopy Springer

Cancer of the rectum continues to be a significant health problem in industrialized countries around the world. Relative 5-year survival rates in the USA for cancer of the rectum from 1995 to 2001 improved to 65%, a 15% improvement over 20 years (American Cancer Society, 2007). The reasons for this dramatic improvement include more accurate pre-operative staging, aggressive neoadjuvant therapy and improved surgical technique as well as specialty-trained surgeons. Despite advances in nonoperative techniques of radiation therapy, chemotherapy and immunotherapy, surgical extirpation continues to be the cornerstone of curative treatment of this potentially lethal disease. Radical cancer excision with total mesorectal excision has become the preferred surgical procedure for even early-stage cancers of the rectum. Over the past decade the enthusiasm for local excision (and other local treatments) has given way to persuasive (predominantly retrospective) evidence that the incidence of locoregional recurrence due to unsuspected lymphatic metastases and positive lateral margins is unacceptably high even for stage T tumors. Vigorous attempts to find characteristics of the 1 tumor that would allow successful local treatments are ongoing.

Gallstones and Laparoscopic Cholecystectomy Oxford University Press

This title encompasses all current minimally invasive rectal procedures for a variety of benign and malignant indications and provides a compendium of the available data supporting each technique. Procedures are represented both photographically as well as through selected video clips. The video clips are hosted online and provide a valuable addition to the utility of the text. The text has a substantial pathologic emphasis delineating the conditions for which each technique is most suited. It includes established procedures such as laparoscopic proctectomy, but also describes novel approaches that are gaining the attention of professionals throughout the world, such as transanal endoscopic approaches that are being viewed as a bridge toward the natural orifice surgical interventions of the future. The first and only volume dedicated exclusively to advanced minimally invasive rectal surgery and will serve as a precious guide for professionals throughout the world.