Environmental Life Cycle Assessment is a pivotal guide to identifying environmental problems and reducing related impacts for companies and organizations in need of life cycle assessment (LCA). LCA, a unique sustainability tool, provides a framework that addresses a growing demand for practical technological solutions. Detailing each phase of the LCA methodology, this textbook covers the historical development of LCA, presents the general principles and characteristics of LCA, and outlines the corresponding standards for good practice determined by the International Organization for Standardization. It also explains how to identify the critical aspects of an LCA, provides detailed examples of LCA analysis and applications, and includes illustrated problems and solutions with concrete examples from water management, electronics, packaging, automotive, and other industries. In addition, readers will learn how to: Use consistent criteria to realize and evaluate an LCA independently of individual interests Understand the LCA methodology and become familiar with existing databases and methods based on the latest results of international research Analyze and critique a completed LCA Apply LCA methodology to simple case studies Geared toward graduate and undergraduate students studying environmental science and industrial ecology, as well as practicing environmental engineers, and sustainability professionals who want to teach themselves LCA good practices, Environmental Life Cycle Assessment demonstrates how to conduct environmental assessments for products throughout their life cycles. It presents existing methods and recent developments in the growing field of LCA and systematically covers goal and system definition, life cycle inventory, life cycle impact assessment, and interpretation.

This practical guide presents the cutting-edge work of the Trauma Center’s yoga therapy program, teaching all therapists how to incorporate it into their practices. When treating a client who has suffered from interpersonal trauma—whether chronic childhood abuse or domestic violence, for example—talk therapy isn’t always the most effective course. For these individuals, the trauma and its effects are so entrenched, so complex, that reducing their experience to a set of symptoms or suggesting a change in cognitive frame or behavioral pattern ignores a very basic but critical player: the body. In cases of complex trauma, mental health professionals largely agree that the body itself contains and manifests much of the suffering—self hatred, shame, and fear. Take, for example, a woman who experienced years of childhood sexual abuse and, though very successful in
her professional life, has periods of not being able to feel her limbs, sensing an overall
disconnection from her very physical being. Reorienting clients to their bodies and building their
“body sense” can be the very key to unlocking their pain and building a path toward healing. Based
on research studies conducted at the renowned Trauma Center in Brookline, Massachusetts, this
book presents the successful intervention known as Trauma-Sensitive Yoga (TSY), an evidence-
based program for traumatized clients that helps them to reconnect to their bodies in a safe,
deliberate way. Synthesized here and presented in a concise, reader-friendly format, all clinicians,
regardless of their background or familiarity with yoga, can understand and use these simple
techniques as a way to help their clients achieve deeper, more lasting recovery. Unlike traditional,
mat-based yoga, TSY can be practiced without one, in a therapist’s chair or on a couch. Emphasis is
always placed on the internal experience of the client him- or herself, not on achieving the proper
form or pleasing the therapist. As Emerson carefully explains, the therapist guides the client to
become accustomed to feeling something in the body—feet on the ground or a muscle
contracting—in the present moment, choosing what to do about it in real time, and taking effective
action. In this way, everything about the practice is optional, safe, and gentle, geared to helping
clients to befriend their bodies. With over 30 photographs depicting the suggested yoga forms and
a final chapter that presents a portfolio of step-by-step yoga practices to use with your clients, this
practical book makes yoga therapy for trauma survivors accessible to all clinicians. As an adjunct to
your current treatment approach or a much-needed tool to break through to your traumatized
clients, Trauma-Sensitive Yoga in Therapy will empower you and your clients on the path to
healing.

Gynecologic laparoscopy has evolved into a major surgical tool used to treat a multitude of
gynecologic indications. Laparoscopy is the most common surgical procedure performed by
gynecologists today. This book catalogs the full spectrum of laparoscopic procedures in gynecology,
oncology, and infertility treatment. The authors describe different techniques in minimally invasive
surgery and review the evidence-based medical literature supporting these techniques. Included
are sections on the management of complications during laparoscopy, ranging from vascular injury
to bladder or bowel injury. It contains expanded chapters on laparoscopic anatomy, operative
hysteroscopy and pelvic floor repair. The editors have pioneered some of the most important
laparoscopic procedures used today. Their work has opened up the video laparoscopy field for
surgeons worldwide. The contributors have extensive experience in laparoscopy and hysteroscopy,
and many of them have established some of the surgical techniques discussed. High-quality color
pictures supplement many of the presentations.

The introduction of robotic technology into modern day operating theatres has changed the way
that surgery will be preformed. The last five years have shown a paradigm shift toward the
adoption of robotic surgical techniques. This comprehensive book for the practicing urologist will
be an invaluable addition to every urologist’s library. The book serves as a much needed
educational guide to understanding the scope of robotic procedures performed.

Written by many of the world’s leading colorectal surgeons, this evidence-based text investigates
the risks and benefits of colorectal surgeries. By using clinical pathways, algorithms, and case
discussions, the authors identify the best practices for patient safety and positive outcomes to
ensure that physicians correctly recognize potential problems and carefully manage complications.
Improved Outcomes in Colon and Rectal Surgery is a must read and essential reference for all
colorectal surgeons, fellows and residents, as well as those working in gastroenterology and the
medico-legal profession.

This specialist handbook is a practical, comprehensive, and concise training guide on how to
implant, follow-up, and troubleshoot pacemakers and ICDs, fully updated with new technologies
and the latest international guidelines.

The SAGES Manual on the Fundamental Use of Surgical Energy (FUSE) emphasizes good
communication and promotes best practice for the use of electrosurgical, ultrasonic, and
microwave energy sources in the operating theatre. This manual describes the basic technology of energy sources in the operating room and demonstrates the correct use and indications of energy sources in clinical practice. It also addresses the potential complications, hazards, and errors in the use of surgical energy sources and evaluates the potential interactions of energy sources with other medical devices. Any healthcare professional who has ever picked up an energy device in the OR such as a “Bovie”. Ultrasonic or bipolar instrument will better understand how it works, when to apply it, and what are the possible hazards and errors in its use. The SAGES Manual on the Fundamental Use of Surgical Energy (FUSE) is the first volume of its kind to provide such guidance and will be of great value to surgeons, anesthesiologists, nurses, endoscopists, and allied health care professionals who use these devices.

This volume presents and analyses the ongoing arguments, controversies, challenges and debates on thyroid disease with a view to clarifying some uncertainties, and to making suggestions that will help resolve others. Issues such as thyroid disease during pregnancy, Hashimoto’s disease, Hurthle cell lesions, solitary thyroid nodules, retrosternal goiter, thyroid cancer, recurrent thyroid disease, thyroidectomy techniques, post-thyroidectomy hypocalcemia, and thyroid auto-transplantation are thoroughly explored. Richly illustrated, the book offers an invaluable tool for all specialists and trainees entrusted with the care of patients suffering from thyroid disease.

Complications of Urologic Surgery: Prevention and Management, 4th Edition, by Samir S. Taneja, MD, is a urology resource that presents current management strategies-with an emphasis on prevention—for the most effective patient care. Recognized leaders in the field address both office-based complications as well as common and uncommon surgical complications arising from open and minimally invasive urologic surgery, to equip you to handle a wide range of situations. Best of all, this resource includes a companion website featuring the complete text of the book for convenient reference and review. Emphasizes prevention over quick fixes for more effective handling of urologic complications and better patient outcomes. Covers both acute and long-term care of patients with urologic complications to equip you to manage more cases. Features the work of recognized leaders in urology for guidance you can trust. Provides online access through expertconsult.com where you’ll find the complete text of the book and references linked to Medline. Offers up-to-date management approaches of urologic complications to help you stay on top of issues and controversies as you incorporate new surgical techniques into your practice. Presents a new section on minimally invasive complications that address the challenges arising from laparoscopic and robotic techniques. Includes a discreet medical complications section that enables you to stay up to date with this rapidly changing area of urology and understand the risks and benefits of the newest hormone and chemotherapeutic regimens. Inclues Key Points for each chapter to help you find information quickly and study for the boards more efficiently. Features a new, four-color format and illustrations that highlight important points within the text. Your purchase entitles you to access the web site until the next edition is published, or until the current edition is no longer offered for sale by Elsevier, whichever occurs first. Elsevier reserves the right to offer a suitable replacement product (such as a downloadable or CD-ROM-based electronic version) should access to the web site be discontinued.

Introduction to the theory of power supplies for electronic and electrical trade students. Material covered follows the national descriptor for the common core work in this subject at TAFE level. A prior knowledge of electrical fundamentals and DC and AC circuits is assumed. Each chapter has a general information section and finishes with self check questions. The author has had 30 years experience as a TAFE teacher and is author of 13 text books used throughout Australia and many overseas countries.

Bleeding from the liver surface during hepatic transection is one of the main factors affecting mortality and morbidity of liver resection. For this reason, numerous devices have been developed that apply a variety of techniques to minimize parenchymal damage and so improve the safety of
Get Free Valleylab Ligasure Service Manual

resection. This book describes all the devices that are currently available for hepatic transection via open, laparoscopic, and robotic approaches. Procedures are explained and illustrated step by step using informative color figures and photographs. This landmark reference in the field will be an ideal guide for liver surgeons as well as a valuable tool for students, residents, and general surgeons.

Developed in conjunction with the American Society of Colon and Rectal Surgeons, this comprehensive textbook provides readers with the full scope of surgical practice for patients with diseases of the colon and rectum. Expert surgeons, all active both as educators and with busy clinical practices, have written concise and practical chapters on the most commonly done procedures while providing much-needed insight on less frequently presentations, as well. The ASCRS Textbook is designed to meet the needs not only of colorectal specialists, but also the general surgeon in practice whose caseload includes patients with disorders and diseases of the colon, rectum and anus. Residents and fellows will also find a wealth of hands-on guidance and practical tips and tricks. The ASCRS Practice Parameters are incorporated in the book along with an appendix providing the most up-to-the minute access to best practice guidelines. Patient care and safety are addressed in each chapter. "[The ASCRS Textbook of Colon and Rectal Surgery] is a long awaited textbook for those in the field and it does not disappoint. It is brief and to the point, but does not lack the necessary detail expected from a society-produced publication. [It has an] easy-to-read quality that enhances comprehension for the trainee. It is by no means just a student textbook. The inclusion of "hot" current topics, like the anal fistula plug, makes it fresh and useful for experienced surgeons. This is an excellent addition to the colorectal library." (Doody's Review)

Clinical Scenarios in Surgery: Decision Making and Operative Technique presents 125 cases in all areas of general surgery: GI, breast, hepatobiliary, colorectal, cardiothoracic, endocrine, vascular, trauma, pediatric, critical care, and transplant. Each full-color case begins with a patient presentation and proceeds through differential diagnosis, diagnosis and treatment, surgical procedures, postoperative management, and a case conclusion. Each case includes key technical steps, potential pitfalls, take-home points, and suggested readings. The patient stories in these clinical scenarios provide context to facilitate learning the principles of safe surgical care. This book will be particularly useful for senior surgical residents and recent graduates as they prepare for the American Board of Surgery oral examination.

Part of the Advances in Veterinary Surgery series copublished with the ACVS Foundation and Wiley-Blackwell, Advances in Equine Laparoscopy presents a state-of-the-art reference on laparoscopic skills and procedures in the horse. Chapters are written by the leading experts in the field, and each section includes a practical review of the published literature. Encompassing instrumentation, basic principles, and specific techniques, Advances in Equine Laparoscopy offers an up-to-date, reliable resource for comprehensive information about equine laparoscopy. This current, well-referenced text begins with a section on the fundamentals of laparoscopy, then moves into sections on the clinical application of laparoscopic techniques in the standing or recumbent horse. A companion website offers eight video clips demonstrating selected procedures at www.wiley.com/go/ragle. Advances in Equine Laparoscopy is an invaluable guide for equine surgical specialists and equine clinicians interested in laparoscopic techniques.

Chest Surgery provides readers with a comprehensive and authoritative text that explains and illustrates all thoracic surgery procedures, with the exception of those on the heart and esophagus. The easy-to-read text is supported by clear, instructive line drawings and intraoperative photographs. The result is a well-illustrated practical guide for the seasoned and novice practitioner alike. The contributors, who are all acknowledged experts, demonstrate simple and safe forms of operation by distilling their experience into the most efficient methods for both standard and less common procedures. For ease in following a surgical procedure, the text description of each step is coupled with an appropriate drawing. There are often numerous ways of performing an operation, and this book takes care to impart the basic principles underlying surgery. It will be the "must-have" guide for all thoracic surgery residents who wish to acquaint
themselves with the latest developments in this constantly expanding field.

In Essential Urologic Laparoscopy: The Complete Clinical Guide, Second Edition, editors Sean P. Hedican and Stephen Y. Nakada provide a complete update of their critically acclaimed first edition while adding new material related to Hand Assisted Laparoscopic Radical Cystectomy, Laparoscopic Retroperitoneal Lymph Node Dissection and Laparoscopic Assisted Renal Ablation. The authors offer clear, concise chapters focusing on getting started, laparoscopic instrumentation, and step-by-step procedural adult laparoscopy. Each chapter is organized so that the reader can easily identify key points and pitfalls, providing user-friendly text that describes the essential equipment necessary for performing urologic laparoscopy. Authoritative and highly practical, Essential Urologic Laparoscopy: The Complete Clinical Guide, Second Edition provides a comprehensive guide to performing effective and cutting-edge urologic laparoscopy and is a must have for any urologist looking to create, maintain, or expand a successful practice in minimally invasive urologic surgery.

With an emphasis on a practical, "how-to" approach, this comprehensive text addresses the most important and commonly performed procedures in gynecologic oncology surgery today. Written by leaders in the field, Principles of Gynecologic Oncology Surgery clearly describes the critical steps for each procedure, provides up-to-date information on the recent literature, and includes high-quality illustrations of anatomy and technique. Covers hot topics such as Enhanced Recovery After Surgery (ERAS), sentinel lymph node mapping, and minimally invasive surgery (robotic surgery, advanced laparoscopic surgery, and single site surgery). Includes expert coverage of reconstructive surgery, colorectal surgery, urology, and vascular surgery, each written by surgeon leaders in that particular field. Addresses the diagnosis, management and prevention of surgical complications.

Your must-have bench reference for cardiac electrophysiology is now better than ever! This globally recognized gold standard text provides a complete overview of clinical EP, with in-depth, expert information that helps you deliver superior clinical outcomes. In this updated 5th Edition, you’ll find all-new material on devices, techniques, trials, and much more – all designed to help you strengthen your skills in this fast-changing area and stay on the cutting edge of today's most successful cardiac EP techniques. Expert guidance from world authorities who contribute fresh perspectives on the challenging clinical area of cardiac electrophysiology. New focus on clinical relevance throughout, with reorganized content and 15 new chapters. New coverage of balloons,
snares, venoplasty, spinal and neural stimulation, subcutaneous ICDs and leadless pacing, non-CS lead implantation, His bundle pacing, and much more. New sections on cardiac anatomy and physiology and imaging of the heart, a new chapter covering radiography of devices, and thought-provoking new information on the basic science of device implantation. State-of-the-art guidance on pacing for spinal and neural stimulation, computer simulation and modeling, biological pacemakers, perioperative and pre-procedural management of device patients, and much more.

For more than 65 years, Alexander's Care of the Patient in Surgery has been a trusted source for detailed information on perioperative nursing. Well-known author and educator Jane C. Rothrock sets up a solid foundation for practice, and offers step-by-step instructions for over 400 surgical interventions as well as many minimally invasive surgical procedures, all backed by the latest research. More than 1,000 full-color illustrations and photos depict procedures and methods, as well as surgical anatomy and instrumentation. This edition adds Rapid Response Team boxes with suggested interventions, plus coverage of new trends in patient and staff safety, the increase in interventional radiology, and the growth of outpatient ambulatory surgery. Alexander's gives you the tools you need to provide safe, cost-effective, high-quality patient care.

This book is the structured, comprehensive work of experienced surgeons and constitutes the condensed and succinct epitome of knowledge and guidance for those interested in Laparoscopic Colon Surgery (LCS), focusing only on colon laparoscopy. The milestones in LCS are presented offering valuable background information about the evolution of LCS throughout the years and presenting how it still has a limited application, no matter the need for minimal invasive, fast-track, surgical procedures that can offer better quality to patients and less cost for any healthcare system. The book aims to highlight the preferred diagnostic procedures, the right methods for the efficient and rational selection of patients, the choice of the best surgical techniques and treatments, and the best management of post-operative complications for an early discharge. It provides adequate information to the surgeons or the surgical residents interested in LCS about how to select, what to avoid, what instruments to use, what techniques to follow, how the evaluation of patient’s anatomy can lead to better surgical planning, and the add-on of robotic colon surgery in the quality of patients’ life. Moreover, the book provides information about the most efficient anaesthesia adequate for LCS; information that most books of its kind do not include. Finally, the book provides excellent information about the best education and practices to be followed in LCS; something of special importance after considering the level of difficulty associated with LCS and the high conversion rate compared to other laparoscopic procedures. Although the primary focus of this book are surgeons (LCS, GI, General) and surgical residents, the content still can offer valuable information to these healthcare leaders who are interested in understanding the milestones and benefits of the right model of education, and the best practices related to LCS.

The impetus for this book came from the recent appearance of single specialty books pertaining to reoperative surgery on various organs in the pelvis, as well as from the recognition that several different disciplines are involved with the challenges of reoperative pelvic surgery. Surgeons often encounter challenging dilemmas involving organ systems that have historically been attended to by surgeons representing closely related but distinct specialties. Withincreasing sophistication and knowledge about management of anatomically adjacent organs by the specialties of gynecologic oncology, gynecology, urology, and colon and rectal surgery, as well as the emergence of specialty training programs in urogynecology and pelvic floor disorders, we thought it appropriate and timely to create a textbook acknowledging this increasing knowledge and interspecialty collaboration. To this end, where appropriate, we have included collaborative authors from each of the specialties, any of whom may be called upon to address a particular anatomic area. It seems inevitable that situations will arise in which the collaborative expertise of several separate specialties may converge to provide surgeons the benefit of the combined thought processes that would prove invaluable when such difficult problems are encountered. With this in mind, the editors, from the fields of gynecologic oncology, urology, and colon and rectal surgery, identified experts in their own fields who could
best contribute to the management of specific problem areas. For example, since reoperations for endometriosis may involve uterus, adnexae, ovaries, or the colorectum, the chapter concerning this condition has been coauthored by specialists in colorectal surgery and gynecologic oncology. We have been fortunate to find experts who have collaborated to bring available evidence-based medicine, best demonstrated practices, and personal experience to their contributions.

This book presents the latest advances in laparoscopic spleen surgery. The first chapter reviews current status of laparoscopic spleen surgery, including indications, contraindications, and various types of surgical techniques. In the following three chapters, anatomy of spleen, pathology of spleen diseases, and perioperative management are described. After that, surgical techniques of laparoscopic splenectomy, single-incision laparoscopic splenectomy, hand-assisted laparoscopic splenectomy, and laparoscopic partial splenectomy are introduced with high-resolution illustrations combined with typical clinical cases. Focusing on minimally invasive surgery in spleen, this book will be a valuable reference for general surgeons, as well as practitioners in related disciplines.

This book addresses knowledge gaps in RARP in 3 key sections: 1) Step-by-step approach including multiple technique options and innovations, 2) Patient selection, safety, outcomes, and 3) Preparing the patient for surgery. The order is more based upon knowledge priority rather than a chronologic sequence in which part 3 would go first. Part two allows more summary and commentary on evidence and part three allows some creative content that is otherwise hard to find in one place—medical evaluations, imaging, clinical trials, patient education, etc. This textbook emphasizes content for the advanced skills surgeon in that multiple techniques are presented as well as state of the art evidence. The learning curve is addressed and the authors clarify how this text is useful for learners. The caveat is that they should be careful in patient selection and stick with what their mentors are showing them. With experience, they can then branch out into the many techniques presented here. Robot-Assisted Radical Prostatectomy: Beyond the Learning Curve will also have cross-over appeal for surgical assistants, physician assistants, nurses, and anyone else involved in the surgical care of prostate cancer.

The classic reference on female incontinence was updated and revised to become a modern approach to all female pelvic floor dysfunctions, including urinary incontinence, other lower urinary tract conditions, disorders of the anus and rectum, and disorders of pelvic support. The book reviews relevant anatomy, describes the clinical examination and diagnostic tests, and provides current information on the diagnosis, physiology, and medical and surgical treatment of specific disorders. This edition describes many new surgical techniques for correcting incontinence and discusses new drugs and injectables for incontinence. The book also describes the use of biosynthetic material to aid in surgical repair.

This handy book offers a complete overview of current minimally invasive techniques for the management of endocrine diseases of the neck, reflecting how, in the past few years, the development of various ultrasound-guided procedures and endoscopic/video-assisted surgical techniques has changed the approach to thyroid and parathyroid diseases. The book opens by describing the main diagnostic tools for thyroid, parathyroid and cervical lymph nodes, focusing especially on the new technologies for tissue characterization. The different minimally invasive treatment procedures involving either a percutaneous approach (ethanol injection, laser thermal ablation, radiofrequency thermal ablation, high-intensity focused ultrasound) or minimally invasive surgery are then described in detail. The volume is intended for all clinicians and surgeons with an interest in the field of endocrinology and neck surgery. It provides a synthetic but clear description of the various available techniques from a technical point of view and discusses the main issues concerning each of them, permitting comparative evaluation in order to identify the best option in a particular case. It also reports the evidence available in the current literature.

"As a consequence of rapid changes in surgical technique and incorporation of new robotic technology and advanced intraoperative imaging, the second edition of this important textbook..."
reflects these rapid changes in the field of robotic urologic surgery. The goals of this textbook are three-fold. First, it provides a comprehensive update on surgical techniques pertinent to each robotic urologic procedure being performed worldwide, spanning procedures performed for both upper urinary tract (e.g. adrenal, kidney, ureter) and lower urinary tract (e.g. bladder, prostate, seminal vesicle, vagina) as well as adult and pediatric conditions. Second, advances in new robotic instruments and technology as well as advanced intraoperative imaging modalities used for surgical navigation are incorporated. Third, to further improve upon the first edition, this textbook is highly illustrated with schematic drawings to aid an understanding of the surgical techniques. Links to online video content is presented throughout. Atlas of Robotic Urologic Surgery will serve as a vital step-by-step, highly illustrated comprehensive yet concise resource to urologic surgeons, trainees and robotic surgical assistants embarking on robotic surgery as part of their surgical armamentarium for treatment of urologic diseases."--

The latest edition of the critically acclaimed Small Animal Endoscopy presents informative, practical, and up-to-date guidance on endoscopic indications, instrumentation, patient preparation, and techniques. Todd R. Tams and Clarence A. Rawlings, the foremost experts in veterinary endoscopy, provide the novice as well as the advanced practitioner with the information needed to deliver the safest, high-quality endoscopic services for small animals, including avian and exotics. Chapters are organized consistently and lavishly illustrated to help you easily find and understand key concepts and procedures. This edition includes a companion website with expert demonstrations of techniques. Enables you to deliver the safest, high quality care and a wider range of services to the pets of increasingly concerned and savvy owners. Features cutting-edge information on minimally invasive procedures to improve diagnostic accuracy, reduce operating time, improve success, minimize post-operative stress and pain, and promote faster healing. Helps you recognize the many indications for endoscopy in everyday practice. Covers a vast range of topics in a clear, concise and readable style. Describes instrumentation, examination, and sample procurement techniques in detail. Shows both normal and abnormal findings you may encounter during a procedure in an atlas of images in relevant chapters. Provides step-by-step instructions on specific techniques. Helps beginners master endoscopic diagnosis and treatment and more experienced endoscopists utilize their endoscopic equipment to its fullest capacity.

A good knowledge of anatomy helps surgeons avoid anatomical complications, while masterful technique allows them to proceed rapidly and securely in the operating room. Unlike other pocket-sized surgical texts on the market, Surgical Anatomy and Technique manual provides step-by-step techniques of a wide range of general surgery procedures and reviews the anatomical entities involved in each operation. The book's scope spans the entire body: skin and scalp, neck, breast, abdominal wall and herniae, diaphragm, esophagus, stomach, duodenum, pancreas, small intestines, appendix, colon and anorectum, liver, extrahepatic biliary tract, spleen, adrenal glands, carpal tunnel, and varicosities of the lower extremity. A chapter on laparoscopic surgery is also included. Clear, concise, and generously illustrated, this is a superb quick reference to refresh the memory of the surgical resident before entering the operating room.

In this book every urologic procedure is described in a step-by-step sequence of events. The text is supplemented with numerous tips, colored illustrations and high definition photographs depicting the main steps of the procedures. The structure of every chapter is extremely clear, and emphasis is given to the laparoscopic surgical technique. The aim of this manual is to provide the Urologic Surgeon with the state-of-the-art of Laparoscopic Surgery. It guides the reader through every stage of the laparoscopic procedure, from the equipment's settings to the correct position of the needle on the needle holder.

As minimal access approaches to cancer diagnosis, staging, and therapy become more widely used, it is vital for general surgeons, along with laparoscopists, surgical oncologists and medical oncologists, to stay up to date. The editors, a team consisting of a renowned surgical oncologist and
a laparoscopic specialist, aim to provide a resource for the practicing general surgeon using basic minimally invasive techniques. The book discusses diagnosis including biopsy with microinstrumentation, staging, and palliative and curative resection. Specific tumor sites are addressed, including esophagus, stomach, spleen, small bowel, pancreato-biliary, hepatic resection, and colo-rectal resection. Minimally invasive approaches to the thoracic and retroperitoneal areas are included. The book provides a thorough overview of basic cancer biology, instrumentation, and ultrasound. Additionally, Greene and Heniford explore controversial issues such as port-site recurrence and the effect of pneumoperitoneum on the spread of cancer cells in the abdomen. Many photographs and line drawings, including 16 in full color, illustrate the principles discussed in the text. A must-have for every practicing general surgeon, laparoscopic fellow, and general surgery resident.

Minimally Invasive Gynecologic Surgery provides a complete, practical and timely review of the minimally invasive surgical techniques used to treat gynaecologic diseases and conditions. This book describes the full range of minimally invasive procedures in current gynaecologic practice, with discussion of the indications and contraindications and a summary of available evidence.

This text provides a broad and current review of this field and will serve as a valuable resource for trainees, academic and community surgeons, and members of industry with an interest in LESS. Due to the novelty and complexity of these procedures, the book focuses on detailed descriptions as well as pertinent illustrations for various upper and lower tract urologic procedures. The development of novel minimally invasive and robotic technology for more comfortable performance of these demanding procedures is covered. A complete description of instrumentation, platforms, and optics developed specifically for LESS is another primary focus of this text. Finally, a description of outcomes and complications as well as comparative data defining the status of LESS in relation to other current minimally invasive techniques is offered. Atlas of Laparoscopic and Robotic Single Site Surgery will provide a detailed summary of the current status of LESS that will help guide surgical decision making, encourage investigative efforts, and stimulate industry led technology development.

In putting together this manual of endoscopic surgery, we have sought to cover the three essential components of the new surgical approach: the technological aspects, the basic endoscopic surgical skills, and the operative techniques. Visualization of the operative field, exposure and execution of remote manipulations are dependent on optimal function of the ancillary apparatus without which endoscopic surgery cannot be practised. Familiarity of the surgeon with the basic physical principles of the various devices employed in this technology-dependent form of surgery ensures safe use, prolonged equipment life and smooth execution of surgical endoscopic interventions. Equally important is the acquisition of the basic skills of endoscopic surgical practice, since these differ in several important respects from those of conventional open surgery. Mastery of the craft of endoscopic surgery requires a determined commitment to training and is no easy option, but once acquired is rewarded by the extreme professional satisfaction experienced when one witnesses the remarkable progress of patients who have undergone major surgical interventions, with minimal discomfort and pain, lower morbidity and rapid return to gainful employment. The new approach has taken the "sting" out of surgical treatment and made it more acceptable to our patients. Quite apart from cost considerations, this aspect alone justifies the extra effort and investment needed for the further advancement of endoscopic surgery. Our task in compiling this operative manual was thus an ambitious one.

This new edition has been fully revised to provide general surgeons with the latest advances and knowledge in their field. Beginning with an overview of preoperative preparation, the operation room, principles of incision, and instruments, the following sections discuss surgical techniques for diseases and disorders in different parts of the body including breast diseases, salivary glands, stomach and duodenum, urologic surgeries, and much more. Each procedure is presented in a step by step approach, explaining the technique, potential complications, and their avoidance. The comprehensive text of nearly 1500 pages is highly illustrated with more than 3000 clinical
photographs, detailed diagrams, and tables. Key points Fully revised, new edition providing latest advances in general surgery Nearly 1500 pages cover techniques for diseases and disorders throughout the body Highly illustrated with more than 3000 clinical images and tables Previous edition (9789350251218) published in 2014

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