

Fundamentals Of Surgical Practice

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Explore the core principles and essential techniques crucial for mastering surgical practice. This comprehensive resource delves into the fundamental knowledge and skills vital for aspiring surgeons and medical professionals to build a solid foundation.

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Fundamentals of Surgical Practice

This extensively revised and updated edition of Fundamentals of Surgical Practice is a key surgical textbook for the intercollegiate MRCS examination. Mirroring the entire new syllabus, it offers trainees a clear understanding of the core knowledge required for examination success and incorporates new material reflecting recent developments and the new examination. Designed to achieve maximum efficiency in learning, the content provides ample detail with key points and suggestions for further reading. In addition to a detailed index, each chapter has its own table of contents to enhance ease of use. The contributors are acknowledged experts, many of whom are recognised in their fields as innovators, practical clinicians, and Royal College examiners. This text is indispensable for the new trainee and provides established surgeons and other healthcare professionals working in the surgical environment with a modern, authoritative overview of the key areas of surgical practice.

Fundamentals of Surgical Practice

Fundamentals of Surgical Practice is the essential textbook for the MRCS and the AFRCS. Exactly mirroring the unified syllabus, it gives the trainee a clear understanding of the core knowledge required to succeed in the examinations and stands apart from other textbooks in its direct relevance to the new examination. The chapters have been written by acknowledged experts in their field and the content has been designed to make learning as efficient as possible, whilst at the same time providing adequate detail, key points and suggestions for further reading.

Fundamentals of Surgical Practice

A key surgical textbook that covers the entire new MRCS syllabus for the intercollegiate examination.

The Fundamentals of SURGICAL INSTRUMENTS

Fundamentals of Surgical Simulation explains in detail, from a behavioural science/human factors perspective, why modern image guided medicine such as surgery, interventional cardiology and interventional radiology are difficult to learn and practice. Medicine is currently at a tipping point in terms of how physicians in procedural based medicine are trained. Fundamentals of Surgical Simulation helps drive this change and is a valuable resource for medical trainers and trainees alike. For trainers, this book gives explicit theoretical and applied information on how this new training paradigm works thus allowing them to tailor the application of simulation training to their program, no matter where

in the world they work. For the trainee, it allows them to see and understand the rules of this new training paradigm thus allowing them to optimize their approach to training and reaching proficiency in as efficient a manner as possible. For the simulation researcher, engineer and medical profession Fundamentals of Surgical Simulation poses some difficult questions that require urgent unambiguous and agreed answers.

Fundamentals of Surgical Simulation

This text is aimed at all non-medical personnel training for the NVQ in Operating Department Practice, Level 3, the aim of which is to train a non-medical operating theatre worker to become competent in all of the professional aspects of operating.

Fundamentals of Operating Department Practice

A definitive, accessible, and reliable resource which provides a solid foundation of the knowledge and basic science needed to hone all of the core surgical skills used in surgical settings. Presented in a clear and accessible way it addresses the cross-specialty aspects of surgery applicable to all trainees.

Oxford Textbook of Fundamentals of Surgery

This book is aimed at the General Surgical Trainee who is embarking on Higher Surgical Training (HST) and its structure closely follows the current HST syllabus. It therefore builds on Fundamentals of Surgical Practice to provide the detail required for this readership and, in particular, includes full details of all of the operative techniques that the candidate is expected to be familiar with. Fully illustrated throughout, and featuring high quality surgical line drawings, it will be an essential purchase for the candidate embarking on higher surgical training and taking the next important step in their surgical career.

Advanced Surgical Practice

This book provides a sound introduction to surgical instrumentation, including their recognition, use and care. It provides useful information that is essential for operating department practitioners, nurses, scrub practitioners, surgeons under training, surgical technologists, junior doctors and medical students. Descriptions of how and where the instruments are used will also aid in the knowledge required for their application, providing an understanding of instruments for specific procedures. The book is relevant to surgical practice around the world. It also aligns with the core curriculum of the Association of Surgical Technologists in the United States. This book provides the fundamental knowledge required for students and qualified staff working within the perioperative environment, to ensure the safe and efficient use of surgical instrumentation and ultimately the care of the surgical patient as a result. Steve Moutrey has a vast experience within the operating theatre environment spanning more than 40 years, starting his career in the Royal Navy (26 years), and then moving into the NHS. He is now a Senior Lecturer within the School of Health Sciences and Social Work at the University of Portsmouth and teaches on perioperative courses and allied areas. Excerpts from reviews: "I am impressed by Steve Moutrey's writing style, which is clear, direct, and succinct... [His] experience as a practitioner and educator is evident in his writing. As a former surgical technology educator and author of similar texts, I can attest to the difficulty of presenting entry-level surgical instrumentation. Mr. Moutrey offers a simplified discussion enhanced with relevant illustrations that will reduce any confusion..." Jon Paul Price, BSOE MBA Healthcare Education Advisor/Consultant Former CEO, Accreditation Review Committee for Surgical Technology/Surgical Assisting, USA Former CEO, National Board for Surgical Technology and Surgical Assisting, USA "This text is a clearly written guide to the concept of surgical instrumentation, aimed at both pre- and post- registration students within the perioperative environment... The wealth of illustrations support the text and should prepare the reader for the practicalities of instrument identification and handling. ... I would highly recommend [the book] for all perioperative students who wish to gain a comprehensive introduction to surgical instrumentation." Roger King, BA Cert. Ed Pg Cert (Res) RODP Senior Lecturer/ODP Course Leader University of West London, UK "This book is aimed primarily at the scrub practitioner... It will also prove to be a useful text for other professions... including nurses, medical students, surgeons in training and others requiring fundamental knowledge of surgical instrumentation. It describes in pictures and words the basic surgical instrumentation that will be found in all operating theatres..., allowing easy and instant recognition of a large number of instruments... This book will be a most welcome and helpful tool..." Steve Barker, MB BS BSc MS FRCS Consultant Vascular and General Surgeon Royal South Hants

Hospital, Southampton, UK "The book covers various types of surgical instruments in current use and the various specialties these instruments are designed for... Steve Moutrey has drawn upon his vast knowledge and experience both in field hospitals with the military and also from his time within the static theatre environment in the NHS and private sector. It will prove to be a valuable teaching and learning tool to all who read it." Terry Pugh, FAETC IOSH RODP Theatre Clinical Manager Queen Alexandra Hospital, Portsmouth, UK

Fundamentals of Operating Department Practice

This book provides a comprehensive guide to the surgical skills required during general surgery. General Concepts are covered with descriptions of basic terminology, the logic behind specific approaches, limitations of specific skills, technical and practical considerations, and safety of using specific approaches and skills. More advanced topics including gastro-intestinal anastomosis, exploring a patient after a major trauma, and managing crisis situations are also discussed, as well as current controversies and future directions within general surgery. Fundamentals of General Surgery is relevant to trainees in general surgery and its subspecialties, and aims to give them an easy to access resource that contains real life examples, iconography, and recommended further reading.

The Fundamentals of Surgical Instruments

Significant changes in surgical training have occurred over the past decade, with the inevitable progress towards specialization in the various surgical specialties. The current edition of Essential Surgical Practice: Higher Surgical Training in General Surgery reflects these latest developments with a new structure that accurately mirrors current surgical training. This new edition excludes surgical specialties that are distinct from general surgery, allowing an increased focus on topics of direct relevance to trainees in higher surgical training. Over 31 chapters, the book provides detailed information on those specialties of which the general surgeon is required to have a working knowledge, and highlights core information for revision and quick reference. Topics include: Surgical biology and pathology Surgical craft approaches and technologies Perioperative care Cardiovascular, pulmonary and renal pathophysiology Surgical infections Interventional radiology Trauma and head injuries Disorders of the thyroid and adrenal glands Disorders of the stomach, liver, spleen, colon and pancreas Bariatric surgery This book can be used with confidence by those enrolled in local courses and is also consistent with the scope and level of information required for international postgraduate examinations, such as the Joint Surgical Colleges' Fellowship Examination. To enhance the book's utility, the print edition includes complimentary access to a VitalSource ebook online and offline on your PC or Mac, iPhone®/iPod Touch®/ iPad®, Kindle Fire or Android™ device.

Fundamentals of General Surgery

Written by experienced nurse lecturers and a theatre nurse, Perioperative Practice highlights and explains the biological processes which can be disrupted by a major surgical procedure. Using the concept of homeostasis as a framework, the authors look at issues common to all surgical procedures such as the influence of anaesthesia on the nervous system or perioperative pain management. Individual chapters cover: the human body and principles of homeostasis the surgical approach and endoscopic procedures perioperative influences on body fluid homeostasis perioperative influences on immunological homeostasis and wound healing perioperative influences on cardiovascular homeostasis perioperative influences on respiratory homeostasis anaesthesia, stress and surgery pain and pain relief in the perioperative patient. Generously illustrated in colour and black and white, the text features further learning activities and useful summaries of key points. It provides an important resource and supporting text for all nurses undertaking courses in theatre work or related areas or already working in such areas.

Essential Surgical Practice

THE 'GOLDEN JUBILEE' EDITION OF A CLASSIC TEXTBOOK, FIRST PUBLISHED IN 1965 Highly Commended at the British Medical Association Book Awards 2016 General Surgery Lecture Notes continues to be an invaluable, appealing and approachable resource for thousands of medical students and surgical trainees throughout the world. This comprehensive guide focuses on the fundamentals of general surgery, and systematically covers all the clinical surgical problems that a student may encounter and about which they need to know. Fully revised and updated to reflect the rapid changes which are taking place in surgical practice, this 50th anniversary edition: Includes principles of treatment

written at student level to aid understanding Features full colour illustrations throughout Includes electronic access to a range of extra material including case studies, images and photographs, and biographies Includes free access to the Wiley E-Text Is a perfect review text for medical students as well as junior surgeons taking the MRCS examination and other postgraduate surgical examinations Trusted by generations of medical students, the clinical emphasis of General Surgery Lecture Notes makes this an essential purchase for all those wishing to learn more about general surgery.

Perioperative Practice

This work is aimed at MRCS candidates sitting the viva examination which takes place at the end of their training period. It covers: applied surgical anatomy and operative surgery; applied physiology and critical care; and clinical pathology and principles of surgery.

General Surgery, with Wiley E-Text

Significant changes in surgical training have occurred as a result of the recommendations published in the Calman Report. The period of surgical training is now shorter and has two distinct phases: first, basic training and then higher surgical training within a recognized surgical specialty, with an exit examination towards the end of the training period. These changes are reflected in the decision to initiate a radical revision in the presentation and format of the fourth edition of Essential Surgical Practice, including a division into two parts that reflects the above phases. This second volume caters for the needs of the senior trainee surgeon undertaking higher surgical training in general surgery, giving detailed information on those specialties about which the general surgeon is required to have a working knowledge with a special emphasis on gastrointestinal and vascular surgery. It is structured to be highly patient-oriented in line with current thought and practice, with a firm underpinning of pathophysiology. Essential Surgical Practice: Higher Surgical Training in General Surgery will be an indispensable source of reference for all surgical trainees and can be used with confidence in association with local studies and distance learning courses. The content is consistent with the scope and level of information required for international postgraduate examinations. A companion volume covers in detail the necessary material for Basic Surgical Training. Module-based, it emphasizes the management of patients with a variety of more common surgical disorders.

Essential surgical practice

This book features MCQs and EMQs, two key components of many postgraduate surgical examinations, and is designed to be an accessible self-learning tool. The questions provided are typical of those that appear in the MRCS/AFRCSEd and similar examinations and detailed answers, along with explanatory notes to assist the reader, are provided throughout.

Principles of Surgical Practice

Surgery MCQs and Vivas is designed as a companion to Fundamentals of Surgical Practice, by Aljafri Majid and Andrew Kingsnorth, and is split into two main sections; multiple choice questions and viva topics, reflecting the structure of two of the key components of many postgraduate surgical examinations worldwide, including the MRCS and AFRCSEd. The MCQ and viva questions provided are typical of those that will appear in the MRCS examination, and answers, along with detailed explanatory notes are provided throughout. Each of the two sections is further subdivided into sub-sections reflecting the topics covered in Fundamentals of Surgical Practice, and the model answers in all cases are cross-referenced to the relevant sections of this comprehensive text to enhance the learning experience for the reader, who can instantly get detailed information on a topic of interest.

Essential Surgical Practice, 4Ed

Fundamentals of Small Animal Surgery offers a thorough introduction to the surgical principles essential to good veterinary practice. With many high-quality pencil drawings and clinical photographs to complement the detailed descriptions, the book is a useful resource for building basic surgery skills. Fundamentals of Small Animal Surgery is designed to provide a grounding in the foundations of veterinary surgical practice and an understanding of the practical application of surgical techniques. Covering topics ranging from assessment and surgical preparation to aseptic technique and postoperative pain management, the book is a valuable reference for surgical procedure training in veterinary or veterinary technician schools, and serves as a refresher for veterinarians and technicians in practice.

Surgery MCQs and EMQs

Fundamentals of Small Animal Surgery offers a thorough introduction to the surgical principles essential to good veterinary practice. With many high-quality pencil drawings and clinical photographs to complement the detailed descriptions, the book is a useful resource for building basic surgery skills. Fundamentals of Small Animal Surgery is designed to provide a grounding in the foundations of veterinary surgical practice and an understanding of the practical application of surgical techniques. Covering topics ranging from assessment and surgical pack preparation to aseptic technique and postoperative pain management, the book is a valuable reference for surgical procedure training in veterinary or veterinary technician schools, and serves as a refresher for veterinarians and technicians in practice.

Surgery MCQs and EMQs

Introduction to surgery aims to provide a one-stop guide to the basics of surgery for surgical rotations, as well as providing information for aspiring surgeons on how to explore a surgical career and build your CV for surgical applications. It aims to be the go-to companion for any student shadowing in theatres, and a thorough guide for students wishing to spend more time in a specific specialty, conduct research and plan careers. Introduction to Surgery for Students is an edited collection of 31 chapters from a group of 80 medical students, junior doctors and consultant surgeons. Each chapter has been written by a team made up of at least one student and one senior, and has then been edited and reviewed by a medical student with a special interest in the topic. This near-peer style of writing allows our content to cater to a student's needs at the right level, whilst having the expert input of surgeons who are leaders in their field.

Fundamentals of Small Animal Surgery

Make sure you can identify the many different types of surgical instruments! Surgical Instruments: A Pocket Guide, 4th Edition is a quick "go-to" source for information on over 160 of the most commonly used surgical instruments. Each two-page spread features full-color photos of an instrument and its tip (if applicable), and then describes how it is used, its common variations, and any alternative names. Written by Maryann Papanier Wells, this compact, durable reference is easy to keep with you at all times. With instruments alphabetized within each major instrument class, locating specific information has never been easier! Two-page spreads show a single instrument, its tip (if applicable), name, uses in surgery, varieties, and any alternative names. Instruments are organized alphabetically within 12 major categories for quick and easy reference. Commonly used instrument sets are described in the last chapter, providing everything you need in preparing for most major procedures. Instrument at-a-glance view and spiral binding make this an ideal flashcard-style study tool. Surgical Power Tools chapter covers drills, saws, and other basic powered devices commonly used in surgical suites. Minimally Invasive Surgical Instruments chapter includes the leading robotic system and shows the most common instrument tips used to interface with the robot. Full-color photographs make it easier to distinguish between different metal-types for each instrument. Over 135 photos of instrument tips help you identify the various types. A definition of instrument class opens each chapter and is followed by a description of what the instruments are used for and how they are used.

Fundamentals of Small Animal Surgery

Much anticipated, the Second Edition of Surgery: Basic Science and Clinical Evidence features fully revised and updated information on the evidence-based practice of surgery, including significant new sections on trauma and critical care and the often challenging surgical care of unique populations, including elderly, pediatric, immunocompromised, and obese patients as well as timely new chapters on the pre- and post-operative care of the cardiac surgery patient, intestinal transplantation, surgical infections, the fundamentals of cancer genetics and proteomics. Also new to this edition are discussions of electrosurgical instruments, robotics, imaging modalities, and other emerging technologies influencing the modern practice of surgery. Clinically focused sections in gastrointestinal, vascular, cardiothoracic, transplant, and cancer surgery enable the surgeon to make decisions based upon the most relevant data in modern surgical practice. The text is enhanced by more than 1,000 illustrations and hundreds of the signature evidence-based tables that made the first edition of SURGERY an instant classic.

Introduction to Surgery for Students

This book presents a practical approach to patient safety issues with a focus on evolution and understanding the key concepts in health care and turning them into implementable actions. With its

contemporary approach and lucid presentation, this book is a valuable resource for practicing doctors in medicine and surgery to treat their patients with care, diligence and vigilance and contribute to a safer practice in health care.

Surgical Instruments - E-Book

Rush University Medical Center Review of Surgery, edited by Drs. Velasco, Bines, Deziel, Millikan, McCarthy, Prinz, and Saclarides, gives you a concise yet comprehensive review of both general surgery and surgical subspecialties in a user-friendly question-and-answer format that mimics actual exams. Thoroughly revised, this 5th edition adds new chapters and updates existing chapters with the latest surgical techniques and practices, plus an increased emphasis on ethics, while maintaining its broad review of surgical topics to provide wide-ranging and complete coverage of the information most important to you. More than 1,500 peer-reviewed questions mirror standardized test blueprints provide a realistic simulation of the actual test-taking experience so you can become accustomed to the exam interface. In print and online at www.expertconsult.com, the Rush University Review is perfect for residents in training, surgeons preparing for certification or recertification exams, and experienced clinicians wishing to keep abreast of current practices and recent advances. Challenge your knowledge with more than 1,500 review questions, with answers and rationales, that cover the full range of topics in general and subspecialty surgery - all the information you need to prepare for certification and recertification or stay current with new advances. Get a realistic simulation of the actual exam with questions that mimic standardized tests and prepare you for board and ABSITE exams. Understand the rationale behind the answers to each question with clear, illustrated explanations from Elsevier's trusted surgical references including Cameron's Current Surgical Therapy. Access the fully searchable text online at www.expertconsult.com, along with hyperlinked references, illustrations, self-assessment tools, and more. Master the latest need-to-know information in your field with abundant new chapters and updates throughout reflecting the latest surgical techniques and practices, as well as an increased emphasis on ethics to help you prepare for this increasingly important aspect of the boards. The perfect review for preparing for the boards, certification and recertification.

Illustrated Guide to Surgical Practice

Written by experts from London's renowned Royal Free Hospital, Textbook of Plastic and Reconstructive Surgery offers a comprehensive overview of the vast topic of reconstructive plastic surgery and its various subspecialties for introductory plastic surgery and surgical science courses. The book comprises five sections covering the fundamental principles of plastic surgery, cancer, burns and trauma, paediatric plastic surgery and aesthetic surgery, and covers the breadth of knowledge that students need to further their career in this exciting field. Additional coverage of areas in which reconstructive surgery techniques are called upon includes abdominal wall reconstruction, ear reconstruction and genital reconstruction. A chapter on aesthetic surgery includes facial aesthetic surgery and blepharoplasty, aesthetic breast surgery, body contouring and the evolution of hair transplantation. The broad scope of this volume and attention to often neglected specialisms such as military plastic surgery make this a unique contribution to the field. Heavily illustrated throughout, Textbook of Plastic and Reconstructive Surgery is essential reading for anyone interested in furthering their knowledge of this exciting field. This book was produced as part of JISC's Institution as e-Textbook Publisher project. Find out more at <https://www.jisc.ac.uk/rd/projects/institution-as-e-textbook-publisher>

Textbook of Surgery

The second edition of Fundamentals of Anaesthesia builds upon the success of the first edition, and encapsulates the modern practice of anaesthesia in a single volume. Written and edited by a team of expert contributors, it provides a comprehensive but easily readable account of all of the information required by the FRCA Primary examination candidate and has been expanded to include more detail on all topics and to include new topics now covered in the examination. As with the previous edition, presentation of information is clear and concise, with the use of lists, tables, summary boxes and line illustrations where necessary to highlight important information and aid the understanding of complex topics. Great care has been taken to ensure an unrivalled consistency of style and presentation throughout.

Surgery

In pathology education within North America, there exists a wide gap in the pedagogy between medical school and residency. As a result, the pathology intern often comes into residency unprepared. Completely illustrated in color, this book lays the foundation of practical pathology and provides a scaffold on which to build a knowledge base. It includes basic introductory material and progresses through each organ system. Within each chapter, there is a brief review of salient normal histology, a discussion of typical specimen types, a strategic approach to the specimen, and a discussion of how the multitude of different diagnoses relate to each other.

Fundamentals of Patient Safety in Medicine and Surgery

Surgery: Diagnosis and Management is a concise pocket-sized book for use in the day-to-day management of surgical patients. This highly respected, popular guide (previously *Dunn's Surgical Diagnosis and Management*) is perfect for on-the-ward reference. This 4th edition has been fully updated. It is particularly valued for its consistent structure in conveying practical information. It also provides a comprehensive foundation for those contemplating a surgical career. It is divided into two parts. Part one (Chapters 1-2) introduces general surgical assessment, ward care, and the principles of surgical practice. Part two (Chapters 3-15) deals with specific surgical conditions and for each includes: A brief description of the condition, to enable clinical understanding the typical 'pattern' of symptoms and signs at presentation the steps needed to prove the diagnosis the general, operative and post operative management This new 4th edition will prove to be invaluable for the busy junior surgical trainee and clinical medical student.

Rush University Medical Center Review of Surgery

Fundamentals of Frontline Surgery is an easy to read text, written by world class faculty, that provides clinicians with succinct and didactic information about what to do in high intensity, resource limited situations. With global conflicts and humanitarian emergencies on the rise, there has been a dramatic uptake in the number of volunteers for both military and humanitarian operations. This manual aids best practice and fast decision making in the field.

Textbook of Plastic and Reconstructive Surgery

Designed to complement *Fundamentals of Surgical Practice*, *Fundamentals of Orthopaedics and Trauma* is also aimed at the basic surgical trainee, and covers all of the key areas of relevance to the junior orthopaedic surgeon and the trainee. The book begins with coverage of key aspects of biomechanics, investigations and perioperative care and anaesthesia and moves on to prostheses and orthotic braces, the pathology of bone and joint disease, injury and neuromuscular disorders and finally to the individual surgical management of trauma and disease to all of the main areas of the body (including burns).

Fundamentals of Anaesthesia

Since its first publication in 1936, *Sabiston Textbook of Surgery* has been regarded as the preeminent source for definitive guidance in all areas of general surgery. The 20th edition continues the rich tradition of quality that has made this classic text synonymous with the specialty and a part of generations of surgery residents and practitioners. Meticulously updated throughout, this classic text concisely covers the breadth of material needed for certification and practice of general surgery. Detailed, full-color intraoperative illustrations capture key teaching moments, allowing you to better understand the basic science of surgery, make the most informed decisions and achieve optimal outcomes for every patient. Understand the underlying science and its clinical application to make informed surgical decisions and achieve optimal outcomes. Overcome tough challenges, manage unusual situations, and avoid complications with the most trusted advice in your field. Get the depth of coverage you need in an easily accessible, single volume organized by organ and along traditional lines beginning with principles common to surgical specialties including fluid and electrolyte management, metabolic support, and wound healing. Subsequent sections review the management of injury, transplantation, oncology, breast, endocrine, and abdominal procedures. Explore topics encountered by general surgery residents in training as well as in-depth coverage of subspecialty areas including head and neck, thoracic, vascular, urology, neurosurgery, pediatrics, and gynecology. Visually grasp and retain difficult concepts thanks to a full-color design featuring an abundance of illustrations, intraoperative photographs, and tables as well as more schematic diagrams that facilitate the comprehension of surgical techniques and procedures. Glean all essential, up-to-date, need-to-know information about the latest surgical

perspectives and approaches to treatment including innovations in minimally invasive surgery and percutaneous devices. Streamline clinical decision making with an increased number of schematic diagrams and key data on surgical outcomes. Expert Consult eBook version included with purchase. This enhanced eBook experience allows you to search all of the text, figures, images, and references from the book on a variety of devices.

The Practice of Surgical Pathology

An invaluable book for MRCS candidates, undergraduate medical students and for the FRCOG examinations, as well as the training surgeon or doctor.

Surgery

Deliver the best patient care before, during, and after surgery with this straightforward, step-by-step guide to surgical skills and operating room procedures. It provides comprehensive coverage of all the updated AST Core Curriculum, 6th Edition components - health care sciences, technological sciences, patient care concepts, surgical technology, and surgical procedures. A mentoring approach makes even complex skills and techniques easy to understand. User-friendly features such as full-color illustrations, chapter outlines and summaries, review questions, critical thinking exercises, and technique boxes help you focus on the most important concepts and make it easier to retain and recall critical information. Chapter objectives correspond to the latest AST Core Curriculum objectives to ensure you have access to the most reliable information in the operating room. Enhanced critical thinking scenarios at the end of each chapter help you strengthen your critical thinking and clinical decision-making skills and highlight practical applications of key concepts. Additional information on special populations, including bariatric, pregnant, physically or mentally challenged, isolation, trauma, language barrier, and substance abuse patients, highlights important considerations for the surgical technologist regarding transfer, preparation, and procedure set up. Expanded coverage of surgical lasers keeps you up to date with the latest technology so you can effectively assess the function, assembly, use, and care of equipment in the surgical suite. UPDATED! Coverage reflects the new AST Core Curriculum, 6th Edition to keep you current. NEW! Chapters on Disaster Preparedness and Response and Transplant Surgery offer cutting-edge information on these key topics. Coverage of the Assistant Circulator role, as well as a break down of first and second scrub roles, help you better understand the responsibilities of each member of the surgical team.

Fundamentals of Frontline Surgery

Many patients who present to district (first-referral) level hospitals require surgical treatment for trauma, obstetric, abdominal or orthopedic emergencies. Often surgery cannot be safely postponed to allow their transfer to a secondary or tertiary-level hospital but many district hospitals in developing countries have no specialist surgical teams and are staffed by medical, nursing, and paramedical personnel who perform a wide range of surgical procedures often with inadequate training. The quality of surgical and acute care is often further constrained by poor facilities, inadequate low-technology apparatus and limited supplies of drugs, materials, and other essentials. The mission of the team responsible for Clinical Procedures in the World Health Organization Department of Essential Health Technologies (EHT) is to promote the quality of clinical care through the identification, promotion and standardization of appropriate procedures, equipment and materials, particularly at district hospital level. WHO/BCT has identified education and training as a particular priority, especially for non-specialist practitioners who practice surgery and anesthesia. It has therefore developed Surgical Care at the District Hospital as a practical resource for individual practitioners and for use in undergraduate and postgraduate programs in-service training and continuing medical education programs. The manual is a successor of three earlier publications that are widely used throughout the world and that remain important reference texts: General Surgery at the District Hospital (WHO 1988), Surgery at the District Hospital: Obstetrics Gynecology Orthopedics and Traumatology (WHO 1991), Anesthesia at the District Hospital (WHO 1988; second edition 2000). This new manual draws together material from these three publications into a single volume which includes new and updated material, as well as material from Managing Complications in Pregnancy and Childbirth: A Guide for Midwives and Doctors (WHO 2000).

Fundamentals of Orthopaedics and Trauma

Clinically focused chapters take an evidence-based approach to the management of pediatric surgical patients for residents in training and general surgeons in practice Targets the practitioner who is

well-versed in the basic tenets of patient care but who seeks to benefit from the expertise of a seasoned expert A practical guide in the everyday clinical care of pediatric surgical patients for the advanced reader

Guiding Principles in Surgical Practice

Sabiston Textbook of Surgery