development of new surgical sub-specialities, the performing of complicated operations in very challenging patients, the introduction of new technologies in surgical practice and, last but not least, an increasing interest in monitoring the quality, medico-legal implications, and ethical dimensions of surgical practice and malpractice. As surgical complications have been presented briefly and sporadically in various books and only as a small part of chapters dealing with surgical techniques, there is a pressing need for a modern textbook dealing with the diagnosis, treatment, auditing, medico-legal implications and ethical problems related to surgical complications.

Written by internationally known authors, the chapters deal with both the general issues regarding the surgical complications and the specific issues related to each surgical specialty. Each chapter includes: clinical presentation; diagnosis (clinical, laboratory investigations, imaging); treatment (conservative, surgical); and outcome.

**Global Surgery**

Foodborne illnesses continue to be a major public health concern. All members of a particular bacterial genera (e.g., Salmonella, Campylobacter) or species (e.g., Listeria monocytogenes, Cronobacter sakazakii) are often treated by public health and regulatory agencies as being equally pathogenic; however, this is not necessarily true and is an overly conservative approach to ensuring the safety of foods. Even within species, virulence factors vary to the point that some isolates may be highly virulent, whereas others may rarely, if ever, cause disease in humans. Hence, many food safety scientists have concluded that a more appropriate characterization of bacterial isolates for public health purposes could be by virotyping, i.e., typing food-associated bacteria on the basis of their virulence factors. The book is divided into two sections. Section I, “Foodborne Pathogens and Virulence Factors,” hones in on specific virulence factors of foodborne pathogens and the role they play in regulatory requirements, recalls, and foodborne illness. The oft-held paradigm that all pathogenic strains are equally virulent is untrue. Thus, we will examine variability in virulence between strains such as Listeria, Salmonella, Campylobacter, Cronobacter, etc. This section also examines known factors capable of inducing greater virulence in foodborne pathogens. Section II, “Foodborne Pathogens, Host Susceptibility, and Infectious Dose”, covers the ability of a pathogen to invade a human host based on numerous extraneous factors relative to the host and the environment. Some of these factors include host age, immune status, genetic makeup, infectious dose, food composition and probiotics. Readers of this book will come away with a better understanding of foodborne bacterial pathogen virulence factors and pathogenicity, and host factors that predict the severity of disease in humans.

**Pediatric Surgery**

This book provides a case based approach to the problems faced within pediatric urology and an evidence based approach to their solutions. Chapters on urodynamics, external genitilia, the upper urinary tract, the lower urinary tract, and office pediatric urology are included. Practical Pediatric Urology aims to utilise real life scenarios to improve data analysis, diagnosis, and treatment decisions within clinical settings. Key learning objectives are included to enable medical professionals to assimilate, synthesise, and formulate a management plan for pediatric urological conditions encountered in clinical practice in a safe and evidence based approach. This book is relevant to pediatricians, pediatric surgeons, pediatric urologists and adult urologists who undertake some pediatric urology practice.

**Nursing Care of the Pediatric Surgical Patient**

This book provides a detailed guide to neonatal surgery and its related disciplines including: fetal medicine, fetal surgery, radiology, newborn anaesthesia, intensive care, neonatal medicine, medical genetics, pathology, cardiac surgery, and urology. The book aims to cover all the latest advances in newborn surgery, with contributions from the basic sciences and laboratory research to reflect the steady progress in our current working knowledge and understanding of many neonatal surgical disorders. As huge advances have been made in neonatal surgery in the past decades, ethical issues, long term outcomes, and quality of life are also emphasized. This book is an authoritative reference for surgical residents in training, consultant surgeons, general surgeons with an interest in paediatric surgery, neonatologists, paediatricians, intensive care specialists, and nursing staff.

**Pädiatrische Chirurgie**

This concise textbook of pediatric surgery is designed to guide the reader logically from symptoms and signs to diagnosis and treatment. Each chapter is devoted to one of 35 key symptoms and signs, which are organized according to six body regions: head, neck, chest, abdomen, urogenital system, and back. In each case, a brief assessment of the presenting sign/symptom and differential diagnosis is followed by discussion of occurrence, clinical presentation and significance, diagnostic work-up, treatment, and prognosis. Informative tables, illustrations, and up-to-date references are included throughout. Readers will also have access to an e-learning tool developed in collaboration with the Institute of Medical Education, University of Bern, which highlights the characteristics of pediatric surgical disorders and their treatment and includes clinical, radiological, and intraoperative images.

**Neonatal Surgery**

Stay up-to-date on the latest evidence and clinical practice in pediatric acute care with the definitive textbook in the field. Now in its second edition, Pediatric Acute Care: A Guide for Interprofessional Practice takes an evidence-based, interprofessional approach to pediatric acute care as it exemplifies the depth and diversity that’s needed for the dynamic healthcare environments in which acutely ill children receive care. Coverage includes how to work with the pediatric patient and family, major acute care disorders and their management, emergency preparedness, common acute care procedures, and much more. With contributions from more than 200 practicing clinicians and academic experts, it represents a wide variety of disciplines including medicine, nursing, pharmacy, child life, nutrition, law, integrative medicine, education, public health, and psychology, among others. The second edition also features the addition of new physician and nurse practitioner co-editors as well as extensive content updates including updated evidence-based current throughout the text, the integration of the 2016 IPEC Core Competencies for Interprofessional Collaborative Practice, a new full-color design, and new vivid illustrations throughout. UNIQUE! Interprofessional collaborative approach includes contributions from more than 200 practicing clinicians and academic experts from the U.S. and Canada, including nursing, medicine, pharmacy, child life, nutrition, law, integrative medicine, education, public health, and...
Symptoms and Signs in Pediatric Surgery

Edited by well-known and highly-regarded children’s nurse Linda Shields, Perioperative Care of the Child is an essential resource for any children’s nurse working in a perioperative setting and all student nurses on the child branch. This timely and valuable text provides comprehensive coverage of the essential skills and knowledge required by practitioners in order to deliver safe and effective perioperative nursing care for the child requiring surgery before, during and after any operation. Perioperative Care of the Child explores the role of the nurse in a wide variety of perioperative contexts, including anaesthetics, surgical procedures (including coverage of fetal surgery, endoscopic procedures and care of children with burns), paediatric transplantation, postoperative recovery, and pre- and post-hospital care. This essential resource benefits from an international perspective, with contributions from experienced and highly-specialised clinicians from around the world. Essential reading for children’s and perioperative nurses, and others who work in the perioperative area. Evidence-based, with clear links to nursing practice. Focuses on key skills and knowledge. Emphasises patient-centred care. Edited by an internationally-regarded children’s nurse.

Principles of Pediatric and Neonatal Emergencies

The Guest Editors have assembled a list of topics that provide state-of-the-art coverage on fetal surgery. Topics covered include fetal cardiac intervention, abdominal wall defects, NEC, esophageal atresia, and spina bifida. Some articles provide the clinical basics, like general concepts of fetal surgery, while others provide a detailed look at CDH in utero, CDH post natal, ECMO/placenta, stem cell, and anorectal malformations.

IAP Textbook of Pediatric & Neonatal Emergencies

Esophageal anomalies and disorders in infancy and childhood include a wide spectrum of different diseases. These range from emergencies immediately after birth such as esophageal atresia (EA), necessitating an experienced team of neonotologists and pediatric surgeons, up to gastro-esophageal reflux disease in elder children, necessitating the pediatric gastroenterologist and visceral surgeon. In the last few years some fascinating pediatric surgical techniques have evolved, such as the thoracoscopic correction of EA or the FOKER technique for elongation in cases of long-gap, EA. Prof. Foker has developed this special traction technique and is the world’s leading expert in long-gap EA.

Paediatric Surgery, Second edition

This manual provides a comprehensive, state-of-the-art review of this field, and will serve as a valuable resource for adult and pediatric surgeons at all stages of experience with interest in the use of minimally invasive surgical techniques in children. This book will review the pediatric surgical disorders that are currently treatable with these techniques. After a basic summary of the disorder, the preoperative evaluation and preparation is presented. Each chapter focuses on a detailed discussion of the surgical procedure, inclusive of anesthesia, positioning, instrumentation, and materials. Emphasis is placed on technique and tips for particularly challenging aspects of the operation. A description of the expected postoperative course and common complications of each procedure follows. The outcomes literature to include any advances since the original outcomes and expected future advances for the diagnosis and procedure is presented. It provides a concise yet comprehensive summary of the current status of the field that will help guide patient management and stimulate investigative efforts. All chapters are written by experts in their fields and include the most up to date scientific and clinical information.

Surgical Complications: Diagnosis And Treatment


Pediatric Acute Care

Written by internationally acclaimed specialists, Pediatric Surgery provides pertinent and concise procedure descriptions spanning benign and malignant problems and minimally invasive procedures. Complications are reviewed when appropriate for the organ system and problem, creating a book that is both comprehensive and accessible. Stages of operative approaches with relevant technical considerations are outlined in an easily understandable manner. Forming part of the series, Surgery: Complications, Risks and Consequences, this volume Pediatric Surgery provides a valuable resource for all general surgeons and residents in training. Other healthcare providers will also find this a useful resource.

Neugeborenenintensivmedizin

Atlas of General Surgical Techniques covers the full spectrum and breadth of general surgery through nearly 1200 easy-to-follow anatomical drawings. Drs. Courtney M. Townsend, Jr. and B. Mark Evers present step-by-step guidance for common and complex procedures, including open and minimally invasive techniques. The highly consistent approach and format allow for large educational illustrations with pearls and pitfalls at the end of each chapter. Comprehensive coverage includes hot topics such as Thyroidectomy, Parathyroidectomy, Hepaticejunostomy, Choledochojjunostomy, Splenectomy, Hernia Repair, Exploration of Neck for Trauma, and Subclavian Artery Stab. You'll have a complete array of surgical procedures at your fingertips. 2009 PROSE Awards (awarded by Association of American Publishers for professional and scholarly
Atlas of General Surgical Techniques E-Book

Acclaimed for its unsurpassed readability and manageable scope, Ashcraft’s Pediatric Surgery presents authoritative, practical guidance on treating the entire range of general surgical and urological problems in infants, children, and adolescents. State-of-the-art, expert coverage equips you to implement all the latest approaches and achieve optimal outcomes for all of your patients. Consult this title on your favorite e-reader, conduct rapid searches, and adjust font sizes for optimal readability. Make the most effective use of today’s best open and minimally invasive techniques, including single-site umbilical laparoscopic surgery, with guidance from internationally recognized experts in the field. Focus on evidence-based treatments and outcomes to apply today’s best practices. Stay current with timely topics thanks to brand-new chapters on Choledochal Cyst and Gallbladder Disease, Tissue Engineering, and Ethics in Pediatric Surgery, plus comprehensive updates throughout. Hone and expand your surgical skills by watching videos of minimally invasive procedures for recto-urethral fistula, biliary atresia, laparoscopic splenectomy, urethral horn, and more. Grasp the visual nuances of surgery from over 1,000 images depicting today’s best surgical practices.

Newborn Surgery 3E

The second, fully updated edition of this book applies and contextualizes up-to-date information on pediatric surgery for low and middle-income countries (LMICs). The book is organized in general anatomic and thematic sections within pediatric surgery, such as urology, oncology, orthopedics and gastroenterology and includes chapters addressing the unique challenges and approaches for pediatric surgery in low-resource settings. Each chapter has dual authorship: LMIC author providing context-specific insights and authors from high-income countries (HICs) contributing experience from well-resourced settings. Written in a reader-friendly format, this book has a uniform structure in each chapter, with introduction, demographics, etiology, pathophysiology, clinical presentations, investigations, management, outcome, prevention, ethics, evidence-based surgery and references. This comprehensive volume fills the gap between up-to-date pediatric surgical scholarship and knowledge developed and applied in HICs, and the practical needs of practitioners in low-resource settings. This is an indispensable guide for postgraduate surgical trainees in Africa and other LMICs as well as general surgeons practicing in Africa and other LMICs, who need to care surgically for children.

Esophageal and Gastric Disorders in Infancy and Childhood

This text was developed as a book aimed at surgeons and allied health professionals that provides an introduction to the unmet needs, epidemiological, socioeconomic and even political factors that frame Global Surgery. Following upon an understanding of these issues, the text is a practical guide that enables the reader on several levels: to work cross culturally, build relationships and negotiate the logistical challenges of bringing surgical care to low resource settings; to develop an approach to the management of various clinical conditions that would be unfamiliar to most “western” surgeons. Global Surgery is a recently coined term that encompasses many potential meanings. Most would agree that it focuses on the growing recognition of the crisis of access to quality surgical care in low resource settings. Such scenarios exist on every continent. Increasingly surgeons, allied health professionals (NGO), Public Health / Health Policy professionals as well as governmental and non-governmental organizations are engaging in this field. Many surgeons have an interest in Global Health and a desire to become involved but feel ill equipped to do so and unsure where to start. Global Surgery: The Essentials serves as a ready resource to equip surgeons to manage clinical scenarios that lie beyond the scope of their training or current practice but that they would reasonably be expected to encounter in the field.

Practical Pediatric Urology

Neonatal Nursing in Australia and New Zealand: Principles for Practice uniquely reflects the local practice, context and standards of neonatal nursing in Australia and New Zealand. Edited by Victoria Kain and Trudi Mannix, the content spans all neonatal care settings, addressing the considerations of all levels, including special care and intensive care units, while highlighting the collaborative nature of neonatal care and interdisciplinary teamwork within this environment. The text comprehensively addresses ANZ-specific perspectives, including the neonatal context for First Peoples; the neonatal nurse practitioner and advanced practice roles; workplace culture; newborn screening, resuscitation, retrievals and transport; stabilisation of the high-risk newborn; the range of disorders by body system; legal and ethical issues; and end-of-life care in the neonatal unit. Supported by international and ANZ neonatal network data aligned to the Australian College of Neonatal Nurses and New Zealand Nurses Organisation Standards, Key learning objectives emphasised Nursing and midwifery-focused. Case studies provide the vital link between theory and practice. Clinical Practice and Reflections features further reader insight and knowledge. Evidence-based practice research underpins all chapters. Family-centred care is reinforced throughout. Evolve resources include enhanced teaching and learning: eBook on VitalSource Student and Lecturer resources, for each chapter: Test banks of MCQ and short answer questions. Additional online case studies Journal articles related to practice and critical thinking questions Answer guide to in-text and online case study, test bank and article questions.

Clinical Embryology

Perioperative Nursing

Newborn Surgery, Third Edition provides a comprehensive compendium of the pathophysiology, investigation and management of neonatal disorders. Areas covered include in this new edition include: Preoperative assessment Anesthesia Postoperative management Nutrition Ethical considerations in newborn surgery Head, neck, and chest surgery Esophagus and gastrointestinal tract surgery Liver and biliary tract surgery Anterior abdominal wall defects Tumors Spina bifida and hydrocephalus Genitourinary issues Long-term outcomes in newborn surgery With its uniquely comprehensive coverage of neonatal surgical specialties, this book is the first stop for anyone looking to supplement their knowledge in this broad and increasingly disparate field, including pediatric surgeons, general surgeons with pediatric practice, neonatologists, pediatricians, and pediatric radiologists.

Clinical Scenarios in Surgery
This is a comprehensive yet concise review textbook and examination guide covering the entire spectrum of paediatric surgery. The 1272 questions and associated explorations are structured such that the complete curriculum is addressed in a systematic manner simply by solving the MOCs and reading the subsequent discussions. Each chapter provides relevant information and evidence-based facts and figures on a specific area, alongside practical discussions from the expert panel of internationally acclaimed authors. It further acts as a compendium of current research by compiling salient details from other texts. Succeeding in Paediatric Surgery Examinations Volume 1 is highly recommended for candidates of postgraduate paediatric examinations. It’s an excellent overview that will also be of great benefit to practicing paediatric surgeons and urologists.

Neonatal Nursing in Australia and New Zealand

Pediatric Gastrointestinal and Liver Disease, by Drs. Robert Wyllie and Jeffrey S. Hyams provides the comprehensive reference you need to treat GI diseases in children. Review the latest developments in the field and get up-to-date clinical information on hot topics like polyps, capsule endoscopy, and pancreatic treatments. With expert guidance from an expanded international author base and online access to 475 board-review-style questions, this latest edition is a must-have for every practicing gastroenterologist. Confirm each diagnosis by consulting a section, organized by symptoms, that presents the full range of differential diagnoses and treatment options for each specific condition. Recognize disease processes at a glance with detailed diagrams that accurately illustrate complex concepts. Stay current with advances in the field by reviewing new chapters on Polyps and Polyposis Syndromes, Capsule Endoscopy and Small Bowl Enteroscopy, Small Bowl Transplantation, IBD, Short Gut Syndrome, Steatosis and Non-Alcoholic Fatty Liver Disease, and Pancreatic and Islet Cell Transplants. Gain fresh global perspectives from an expanded list of expert international contributors. Sharpen your visual recognition by accessing a color-plate section that displays additional endoscopy images. Prepare for certification or recertification with 475 online board-review-style questions, answers, and rationales. Search the complete text online and download all illustrations at www.expertconsult.com.

Foodborne Pathogens


Nursing Care of the General Pediatric Surgical Patient

A comprehensive textbook aimed at both the qualified and trainee nurse who has specialised, or considering specialising, in perioperative care.

Nursing Care of the Pediatric Surgical Patient

This comprehensive atlas is unique in combining information on the embryological development of the human with detailed presentation of the congenital malformations encountered in clinical practice. As a consequence it will not only assist practitioners and trainees in recognizing and evaluating malformations, but also enable them to understand how a malformation has developed and to explain the mystery of congenital malformations to relatives and patients. The book is organized according to anatomic region, with additional chapters on hernias, tumors, lymphogenesis and lymphatic malformations. According to WHO statistics, each year congenital anomalies result in approximately 3.2 million birth defect-related disabilities worldwide. All too often, however, training in embryology is now a neglected area, and medical graduates frequently lack confidence in their knowledge of the field. Clinical Embryology: An Atlas of Congenital Malformations will help to rectify this deficit and to ensure that malformations are comprehended and managed appropriately. It will be of value for postgraduate trainees in pediatric surgery, pediatrics, and neonatology, undergraduate medical students, and general practitioners/family physicians.

Chirurgie Basisweiterbildung

Textbook of Hepatobiliary & Gastrointestinal Surgery is an extensive, illustrated, evidence-based review of complex liver and gastrointestinal surgery, edited by gastrointestinal expert Govind Nandakumar, based at Weill Cornell Medical College, New York. Divided into 63 chapters, the book begins with a chapter on minimally invasive and robotic oesophagectomy, followed by chapters on oesophageal conditions requiring surgery. Subsequent chapters cover the surgical management of a broad range of disorders including Crohn's disease, colitis, and several cancers affecting the hepatobiliary and gastrointestinal systems. Surgical techniques discussed include gastric bypass, banding and sleeve gastrectomy, liver and pancreas transplantation, and a separate chapter on bariatric surgery in developing countries. Textbook of Hepatobiliary & Gastrointestinal Surgery concludes with discussion on radiology techniques, pathology, and nutrition for gastrointestinal patients, and recovery after surgery. 638 full colour illustrations enhance this comprehensive resource for surgeons in training and in practice. Key Points Comprehensive guide to liver and gastrointestinal surgery for surgeons in training and in practice Contributions from internationally recognised experts, edited by Govind Nandakumar from Weill Cornell Medical College, New York Provides information on a broad range of surgical techniques and management of many disorders 638 illustrations full colour

Pediatric Gastrointestinal and Liver Disease

Ashcraft's Pediatric Surgery E-Book

While managed care has reduced the length of hospital stays for pediatric as well as older patients, nurses still mercifully recognize the unique needs of children undergoing surgery. Following chapters on psychological preparation of the patient and their parents and other special considerations, s

Certification and Core Review for Neonatal Intensive Care Nursing - E-Book

Known for its readability, portability, and global perspectives, Holcomb and Ashcraft’s Pediatric Surgery remains the most comprehensive, up-to-date, single-volume text in its field. As technology and techniques continue to evolve, the 7th Edition provides state-of-the-art coverage—both in print and on video—of the full range of general surgical and urological problems in infants, children, and adolescents, equipping you to achieve optimal outcomes for every patient. Provides authoritative, practical coverage to help you implement today’s best evidence-based open and minimally invasive techniques, with guidance from internationally recognized experts in the field. Features more than 1,000 high-quality images depicting the visual nuances of surgery for the full range of pediatric and urologic conditions you’re likely to see. Delivers comprehensive updates throughout including the latest advances in managing Inguinal Hernias and Hydroceles; Imperforate Anus and Cloacal Malformations; Hirschsprung Disease; Duodenal and Intestinal Atresia and Stenosis; Esophageal Atresia; and more.

OP-Handbuch

Published in partnership with American Pediatric Surgical Nurses Association (APSNA), Nursing Care of the Pediatric Surgical Patient, Third Edition is the must-have resource for all healthcare providers involved in the care of the general pediatric surgical patient. Representing the educational mission of APSNA to improve the nursing care of pediatric surgical patients, this textbook includes information on pre- and post-operative care, minimally invasive surgery, innovative therapies, surgically treated congenital anomalies, pediatric solid tumors, and care of tubes, drains, wounds, and ostomies. This text teaches readers how to be technologically savvy, clinically competent, and able to tend to emotional and psychosocial needs of the child and family. Completely updated and revised, this new edition includes an expanded focus on topics such as organ transplantation, pain, bowel management, and fluid and electrolytes.

Pediatric Surgery

This comprehensive, up-to-date reference on surgery in the neonate presents and explains the latest developments in the diagnosis and treatment of neonatal malformations and surgical pathologies. The coverage includes conditions involving the head and neck and the chest, disorders of the liver and biliary tract, gastrointestinal disorders, genitourinary conditions and malformations, anterior abdominal wall defects, tumors, and various other pathologies. For each condition, the pathogenesis and the most current and innovative surgical, and also medical, approaches are described with the aid of numerous illustrations. Minimally invasive strategies receive particular attention, and tips and tricks that will be of value in clinical practice are highlighted. The book includes a general part covering topics such as embryology, anatomy, prenatal diagnosis, and anesthesia and also provides detailed advice on pre- and postoperative care, with special consideration of nutritional problems. Neonatal Surgery will serve as an excellent guide for all pediatric and neonatal surgeons, whether in training or experienced

IAPS Textbook of Pediatric Surgery

Pediatric Gastrointestinal and Liver Disease, by Drs. Robert Wyllie and Jeffrey S. Hyams provides the comprehensive reference you need to treat GI diseases in children. Review the latest developments in the field and get up-to-date clinical information on hot topics like polyps, capsule endoscopy, and pancreatic treatments. With expert guidance from an expanded international author base and online access to 475 board-review-style questions, this latest edition is a must-have for every practicing gastroenterologist. Confirm each diagnosis by consulting a section, organized by symptoms, that presents the full range of differential diagnoses and treatment options for each specific condition. Recognize disease processes at a glance with detailed diagrams that accurately illustrate complex concepts. Stay current with advances in the field by reviewing new chapters on Polyps and Polyposis Syndromes, Capsule Endoscopy and Small Bowel Enteroscopy, Small Bowel Transplantation, IBD, Short Gut Syndrome, Steatosis and Non-Alcoholic Fatty Liver Disease, and Pancreatic and Islet Cell Transplants. Gain fresh global perspectives from an expanded list of international contributors. Sharpen your visual recognition by accessing a color-plate section that displays additional endoscopy images. Prepare for certification or recertification with 475 online board review-style questions, answers, and rationales.

Holcomb and Ashcraft’s Pediatric Surgery E-Book

The book packages all aspects of the pediatric surgical nurse’s job into one comprehensive reference, including pre- and post-operative care, minimally invasive surgery, innovative therapies, fetal surgery, pediatric solid organ transplantation, and more. It offers up-to-date information on pediatric surgical nursing and includes many critical pathways and research topics. It is a must-have resource for all healthcare providers involved in the care of the general pediatric surgical patient.

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