

Paediatric Anaesthesia Problems In Anaesthesia

Hatch & Sumner's Textbook of Paediatric Anaesthesia Third edition
Current Topics in Anesthesiology
Core Topics in Paediatric Anaesthesia
Paediatric Anesthesia
European Respiratory Monograph 47: Paediatric Lung Function
Paediatric Anesthesia: A Problem-Based Learning Approach
Understanding Paediatric Anaesthesia
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The Pediatric Anesthesia Handbook
Fundamentals of Pediatric Anesthesia
A Guide to Pediatric Anesthesia

Hatch & Sumner's Textbook of Paediatric Anaesthesia Third edition

This is a simple yet comprehensive text that presents a practical approach to the challenges faced while anesthetising children. With its contemporary approach and lucid presentation, this book helps to understand and excel in the art and intricacies of administering safe paediatric anaesthesia. It should be of immense help to the young postgraduate students of anaesthesia as well as the practicing paediatric anaesthetists.

Current Topics in Anesthesiology

This book provides a precise description of safe and reliable procedures for regional anesthesia in children. It covers the advantages and disadvantages, specific features related to the pediatric range of ages, and the practical importance of the described procedures. Written in two main parts, emphasis is placed on scientific basis and technical approach. It includes both anatomical and psychological aspects of pain, as well as detailed viewpoints of parents, children, surgeons, and anesthetists. This book is a must for all anesthesiologists and will be particularly useful to students of medicine and anesthesiology and nurses working with intensive care units.

Core Topics in Paediatric Anaesthesia

The book "Actual Problems of Emergency Abdominal Surgery" was written by an international team of authors with extensive practical experience. It contains literature reviews describing some of the diseases and pathological conditions that occur in emergency surgical practice. The problems described are relevant for emergency abdominal surgery. We hope that the materials of the book will be of interest to anyone who considers it his or her specialty.

Pediatric Anesthesia

Hatch and Sumner's Paediatric Anaesthesia is a thorough revision and update of the extremely popular 'Paediatric Anaesthesia' by Edward Sumner and David Hatch. A new editorial team has carefully revised the text and developed it into a concise textbook that provides all the information that a trainee or practising paediatric anaesthetist should know. Thoroughly comprehensive, yet concise and manageable in size, this book is entirely practical and relevant, presenting all the newest information on the conditions and potential problems seen in every day practice. Each chapter has been thoroughly revisited by existing and new contributors from a global community of experts and the result is an invaluable reference work that will be a continual source of information for any paediatric anaesthetist.

European Respiratory Monograph 47: Paediatric Lung Function

Building on the success of previous editions, Anaesthesia and Intensive Care A-Z (Fifth edition) remains the most comprehensive single volume source of relevant aspects of pharmacology, physiology, anatomy, physics, statistics, medicine, surgery, general anaesthetic practice, intensive care, equipment, and the history of anaesthesia and intensive care. Originally prepared as essential reading for candidates for the Fellowship of the Royal College of Anaesthetists and similar exams, this fully updated edition will also prove as invaluable as ever for all anaesthetists and critical care physicians, as well as operating department practitioners and specialist nurses. All entries have been carefully reviewed and new ones added to reflect the latest advances and the evolving field breadth. This edition includes a structured checklist of entries, ordered by curriculum core topic area, as an additional new aid for those planning their revision. Building on the success of previous editions, Anaesthesia and Intensive Care A-Z (Fifth edition) remains the most comprehensive single volume source of relevant aspects of pharmacology, physiology, anatomy, physics, statistics, medicine, surgery, general anaesthetic practice, intensive care, equipment, and the history of anaesthesia and intensive care. Originally prepared as essential reading for candidates for the Fellowship of the Royal College of Anaesthetists and similar exams, this fully updated edition will also prove as invaluable as ever for all anaesthetists and critical care physicians, as well as operating department practitioners and specialist nurses. All entries have been carefully reviewed

and new ones added to reflect the latest advances and the evolving field breadth. This edition includes a structured checklist of entries, ordered by curriculum core topic area, as an additional new aid for those planning their revision. Additional line diagrams further enhance topic descriptions. Contains a wide expansion of new entries and revisions of existing ones to reflect ongoing advances in the field. New exam preparation checklist ordered by core topics, for more effective use of revision time and enhanced confidence.

Pediatric Anesthesia: A Problem-Based Learning Approach

A practical, comprehensive guide to the special needs of infants and neonates undergoing anesthesia.

Understanding Paediatric Anaesthesia

This book offers a comprehensive review of the lung function techniques that are available today in paediatric pulmonology. This field is still developing rapidly and equipment and software can tell us more than ever about respiratory physiology in health and disease in children with various lung disorders. Experts from around the globe have contributed and provide a state-of-the-art review of the techniques, with a special focus on the clinical applications and usefulness in diagnosing and treating children with chronic lung disease.

A Practice of Anesthesia for Infants and Children

Now in its Third Edition, this comprehensive, problem-based textbook discusses the full range of complications in anesthesiology. Major sections cover intraoperative and postoperative complications affecting each organ system—respiratory, cardiovascular, neurologic, ophthalmologic, renal, hematologic and hemostatic, gastrointestinal, endocrine, obstetric, immunologic and infectious, and disorders of temperature regulation. Coverage includes problems that are rarely mentioned in older textbooks, such as ischemic optic neuropathy and postoperative cognitive dysfunction. Chapters address complications associated with specific equipment and techniques, with adverse drug interactions, and with herbal remedies and over-the-counter medications. Also included are chapters on medicolegal issues and risks to the anesthesiologist.

Topics in Spinal Anaesthesia

The editors, from an established paediatric unit, have drawn together a team of contributors to share their experiences and discuss how best the district hospital can provide a service for paediatric patients. Controversial areas are discussed,

supported by the most recent reports and guidelines. It is intended that this will be a practical and thought provoking guide.
* A unique guide to providing a quality paediatric anaesthetic service in the district general hospital * Discusses the issues of training and running such a service * Covers the clinical procedures, and when to refer to a specialist centre

Fundamentals of Pediatric Anaesthesia, 2/e

New in this edition you will find an appendix on vascular access, expanded resuscitation protocols, and concise diagrams on current cardiac procedures. This edition includes more discussion of outpatient procedures and unanticipated admissions as well as increased coverage of the patient with the difficult airway.

Paediatric Anaesthesia

Containing 800 board-style questions and answers with explanations, key facts, and key references, Pediatric Anesthesiology: A Comprehensive Board Review is a high-yield, efficient study aid for residents and practitioners preparing for the Pediatric Anesthesiology Certification Examination.

Handbook of Pediatric Anesthesia

Covers the most important and relevant topics on the anesthetic care of children, using a question-and-answer format.

Case Studies in Pediatric Anesthesia

Now thoroughly up to date with new chapters, Smith's Anesthesia for Infants and Children, 9th Edition, by Drs. Peter Davis and Franklyn Cladis, covers the information you need to provide effective perioperative care for any type of pediatric surgery. Leading experts in pediatric anesthesia bring you up to date with every aspect of both basic science and clinical practice, helping you incorporate the latest clinical guidelines and innovations in your practice. Quick-reference appendices: drug dosages, growth curves, normal values for pulmonary function tests, and a listing of common and uncommon syndromes. Outstanding visual guidance in full color throughout the book. Consult this title on your favorite e-reader, conduct rapid searches, and adjust font sizes for optimal readability. More than 100 video demonstrations, including new regional anesthesia videos, echocardiograms of congenital heart lesions, anatomic dissections of various congenital heart specimens with audio explanations, various pediatric surgical operative procedures, airway management, and much more. Table of Contents has been reorganized and new chapters added on statistics, sedation, pediatric obesity, and cardiac critical care pediatrics. A new chapter on regional anesthesia for pediatrics, including video and ultrasound demonstrations

online. A new chapter on dermatology, specifically for the anesthesiologist, with more than 100 photos. A new chapter on medical missions to third-world countries, including what you should know before you go. A new Questions chapter provides opportunities for self-assessment. New coverage includes cardiac anesthesia for congenital heart disease, anesthesia outside the operating room, and a new neonatology primer for the pediatric anesthesiologist.

Actual Problems of Emergency Abdominal Surgery

Paediatric Anaesthesia

The second edition of the successful book "Your Guide to Pediatric Anesthesia" offers a practical approach to pediatric anesthesia with a concise account of the topic in a reader-friendly format. The book begins with an overview of pediatric anesthesia then continues with chapters related to different pediatric surgeries and the relevant anesthetic issues, including a chapter of emergency scenarios in pediatric anesthesia. The final section has chapters containing past exam questions in pediatric anesthesia, a set of clinical scenarios written in an exam question and answer format, and a glossary of syndromes and conditions with brief, important information and practical recommendations. The book also includes an accurate and comprehensive index which helps readers guide themselves through the book. Written in a consistent, exam-focused, non-academic writing style, chapters provide a clear explanation of each topic with a review of management options, discussing advantages and disadvantages, and concluding with a suggested practical approach in each case. It contains the syllabus for the College exams, but is also full of practical techniques and discussion for trainees during their pediatric rotation. It is relevant and useful for anesthesiologists who have completed their exams and are now caring for children in their practice. A Guide to Pediatric Anesthesia covers the important topics at a level suitable for trainees, occasional pediatric anesthesiologists and anesthetic assistants.

Complications in Anesthesiology

Pediatric Anesthesia

This book covers all of the important elements of paediatric anaesthesia in a concise and structured manner. From the premature infant to the teenager, readers are guided through the complexities they may encounter, with key points at the end of each chapter to summarise the most important information. The common surgical conditions encountered in daily practice are covered along with comprehensive discussion of consent and the law, safeguarding children, and the

complexity of drug dosing in the paediatric population. Other topics covered include trauma, burns, resuscitation, principles of intensive care, and transporting a sick child. Each chapter is written by an acknowledged expert in their field, sharing a wealth of relevant, practical experience. Covering the whole curriculum necessary for advanced training, this is essential reading for trainees, general anaesthetists managing children in non-specialist hospitals and anyone aspiring to become a paediatric anaesthetist, as well as those established in the field.

Anesthetic Management for the Pediatric Airway

Principles and Practice of Anesthesia for Thoracic Surgery will serve as an updated comprehensive review covering not only the recent advances, but also topics that haven't been covered in previously published texts: extracorporeal ventilatory support, new advances in chest imaging modalities, lung isolation with a difficult airway, pulmonary thrombo-endarterectomy, and chronic post-thoracotomy pain. Additionally, the book features clinical case discussions at the end of each clinical chapter as well as tables comprising detailed anesthetic management.

Gregory's Pediatric Anesthesia, With Wiley Desktop Edition

Increasingly diverse conditions now treated surgically combined with developments in technology have made the field of pediatric anesthesia more complex. Even common medical problems may give rise to difficult decisions. This has created a need for a resource that covers the latest techniques in the field. Authoritative and comprehensive, Problems in Anesthesia: Pediatric Anesthesia provides guidance for a number of problematic clinical scenarios. Highlighting the widening scope of the field, the book contains case histories that demonstrate successes and complications for a wide range of conditions. The book disseminates practical knowledge and experience to those working in this field and paves the way for further investigation and continued advancement. The editors, internationally recognized as experts in their field, have done an excellent job of putting together a panel of contributors. The exhaustive coverage of a range of frequent and infrequent problems puts their expertise within your reach.

Managing Complications in Paediatric Anaesthesia

This book covers all of the important elements of paediatric anaesthesia in a concise and structured manner. From the premature infant to the teenager, readers are guided through the complexities they may encounter, with key points at the end of each chapter to summarise the most important information. The common surgical conditions encountered in daily practice are covered along with comprehensive discussion of consent and the law, safeguarding children, and the complexity of drug dosing in the paediatric population. Other topics covered include trauma, burns, resuscitation, principles

of intensive care, and transporting a sick child. Each chapter is written by an acknowledged expert in their field, sharing a wealth of relevant, practical experience. Covering the whole curriculum necessary for advanced training, this is essential reading for trainees, general anaesthetists managing children in non-specialist hospitals and anyone aspiring to become a paediatric anaesthetist, as well as those established in the field.

Perioperative Medicine in Pediatric Anesthesia

Sharpen your clinical decision-making skills with this concise handbook of anesthesia care for children. Written by the pediatric anesthesia faculty at Columbia University Medical Center, *Handbook of Pediatric Anesthesia* is a succinct guide to the practice of clinical anesthesia in neonates, infants, children, and adolescents. Each of the 89 chapters is devoted to a specific illness or disorder and is presented in a consistent, easy-access design. Every chapter includes a case description, perioperative considerations, anesthetic management, postoperative considerations, controversies, and surgical concerns for the illness discussed. Covering the entire breadth of the specialty, *Handbook of Pediatric Anesthesia* is an outstanding introductory text and an essential review for pediatric anesthesia board certification and recertification. It is especially valuable to residents and trainees as well as practicing anesthesiologists who do not manage pediatric cases on a regular basis. The book concludes with detailed appendices, including a Pediatric Critical Event Checklist and a Pediatric Drug Guide.

Some Aspects of Paediatric Anaesthesia

Throughout the history of thousands of years of medicine, it felt a great need to anesthesia for surgical operations, and only in 1846, Morton's introduction of ether anesthesia began scientific anesthesiology. Today, as technological developments and knowledge have increased, the practices of anesthesiology are becoming increasingly sophisticated. In this book, current drugs and applications for anesthesiology as well as new developments for the use of ultrasonography are presented.

Pediatric Regional Anesthesia

This is the first comprehensive book in more than a decade in the very specialized field of neonatal anesthesia. Edited and written by a team of recognized experts in neonatal anesthesia, surgery, and intensive care, this volume is the quintessential clinical reference for perioperative care of these small patients. The considerations of developmental physiology and pharmacology, which influence anesthesia care and pain management, are clearly explained. Care for surgical and medical procedures, including sedation and monitoring in and out of the operating room, is detailed.

Congenital disorders of all organ systems are described together with their current management. The special considerations for neonatal intensive care – current recommendations for fluid, nutrition, and metabolic requirements, mechanical ventilation, and management of the airway – are detailed. This topical volume concludes with a summary of complications and ethical considerations in the neonate.

Pediatric and Neonatal Surgery

The authors of the handbook are a group of experienced paediatric anaesthetists who have each distilled their area of expertise into a concise summary of current best practice. The result is factual, practical, and easy to access.

Paediatric Anaesthesia and Critical Care in the District Hospital

Fundamentals of Pediatric Anesthesia is the latest edition of this book, providing anaesthesiologists and paediatricians with the basics of anaesthesia for infants and children. Divided into 24 chapters, the initial focus is on anaesthetic problems according to different systems and functions of the body. The book begins with respiratory physiology, followed by the cardiovascular system, thermoregulation, renal function, and psychological problems associated with anaesthesia. Further chapters cover paediatric anaesthesia equipment, pharmacology, and preanaesthetic assessment, preparation and premedication. Later chapters cover anaesthesia for specific types of surgery, including ENT, ophthalmic, dental, plastic urological, cardiothoracic and neurosurgery. This new edition of Fundamentals of Pediatric Anesthesia features 42 illustrations, a brand new chapter on anaesthesia for paediatric trauma, and guidance on selecting the appropriate drugs and dosages for different operations. Key Points New edition of guide to fundamentals of paediatric anaesthesia New chapter on anaesthesia for paediatric trauma 42 illustrations

Common Problems in Pediatric Anesthesia

Overcome the risks to ensure safe anesthesia in your young patients The surgical options for children, from birth through adolescence, have mushroomed in recent years. The challenges to anesthetists have consequently increased in scope and complexity. The 5th edition of Gregory's Pediatric Anesthesia introduces you to the basics of pediatric anesthesia, and how they are applied to contemporary practice both in and out of the operating room. The evidence-based approach is supplemented by in-depth case studies that spotlight best-practice in action across all the major subspecialties. New to this edition are: Developmental physiology of individual organ systems Fetal surgery Spine surgery Post-anesthesia Care Unit management Complications Neurotoxicity Communication, databases and electronic records Purchase includes an enhanced Wiley Desktop Edition*. This is an interactive digital version featuring: all text and images in fully searchable form

integrated videos of procedures highlighting and note taking facilities book marking linking to additional references Edited by true leaders in the field of pediatric anesthesia, with contributions from internationally renowned physicians, Gregory's Pediatric Anesthesia remains the most complete resource available for your training, practice and continuing education. *Full instructions for downloading your digital Wiley DeskTop Edition are inside the book.

Pediatric Anesthesia

Neonatal and Pediatric Surgery is a broad field with many challenges. The aim of this short book is to provide the reader with several informative chapters in the field of neonatal and pediatric surgery. Each chapter provides details on a specific area of this changing field. The scope of this book focuses on a few areas that are rare and challenging. For example, it covers preoperative and postoperative care of neonates. Important anesthesia considerations, including anesthesia for neonates and regional anesthesia, are discussed. A unique chapter on neonatal tumors is presented. The book provides an overview of the recent recommendations for care of infants and children that undergo cardiac surgery. The challenging aspects of caustic ingestion are explained. Each chapter stands alone as a detailed source of information for the reader. This book brings updated information with structured headings that will allow the reader to remain focused as the material is reviewed.

Smith's Anesthesia for Infants and Children E-Book

This book provides a comprehensive overview of current practices in pediatric perioperative care. Current knowledge on vascular and nonvascular access, regional anesthesia, and noninvasive cardiovascular and respiratory monitoring is described. The prevention and treatment of postoperative pain and unsettled behavior after surgery, as well as the long-term consequences of anesthesia and surgery are discussed. Prevention of chronic postsurgical pain and the brain damage that may be associated with anesthesia and surgery are also considered. The opening section is dedicated to patient care prior to surgery and includes preoperative assessment and preparation. Care in the intraoperative period is then described, including the appropriate care when performing surgery in different locations and in various specialties, such as orthopedic surgery, neurosurgery, thoracic surgery, and abdominal and urological surgery. The subsequent section addresses perioperative care in children with special conditions, such as difficult airway, metabolic or neuromuscular diseases, or cancer. The remainder of the book is devoted to a range of further important topics and postoperative care.&nbs p;

Essentials of Pediatric Neuroanesthesia

Completely condensed and revised, the fourth edition of this comprehensive reference offers a complete exploration of the

basic concepts of pediatric anesthesia, with detailed descriptions of the most effective techniques for use in a wide variety of medical situations. The leader in the field!

Pediatric Anesthesiology

The advancement of tactics used in managing pediatric airway disorders can be attributed to an overall growth of collective knowledge among medical health professionals. This book is designed to sustain that growth of knowledge, with 18 chapters of insight and information by distinguished medical experts in both pediatric anesthesia and pediatric otolaryngology. It concisely and thoroughly covers topics such as subglottic stenosis, pharyngeal airway obstruction, laryngeal airway obstruction, obesity and sleep apnea and thoracic airway obstruction, among others. Chapters include scenarios where the skills and expertise of both anesthesiologists and otolaryngologists are being continually tested; the use of newer drugs and repurposing of older drugs; the combination of smaller amounts of different types of sedatives while avoiding intra-op narcotics and maintaining spontaneous ventilation are described in detail; Finally, a comprehensive review of new research emerging about ultra-rapid narcotics metabolizers among patients, making them more susceptible to medications, such as codeine, along with the latest information on the purported potential neurodevelopmental toxicity of some anesthetic agents are also included. Working as both an educational tool and a practical resource, medical practitioners, students and educators will find this text to be a valuable tool for the safely managing the pediatric patient undergoing anesthesia for difficult airway scenarios.

Core Topics in Paediatric Anaesthesia

This work provides approaches to the practice of paediatric anaesthesia. An alphabetic section of acute syndromes provides both instructions and background coverage of each case. Sections covered include topics such as emergence anaesthesia in satellite/remote locations.

Essentials of Anesthesia for Infants and Neonates

Authored by three world experts, this is a clinically focused book on pediatric anesthesia. "The Manual", as it is known, has long dominated the market for a succinct and practical resource on administering anesthesia to children and is used by residents, general anesthesiologists, nurse anesthetists, and pediatric anesthesiologists. This new edition retains the basic structure of the book and is updated throughout. Text-heavy in the current edition, the Seventh Edition features the addition of figures to chapters where they are especially helpful (eg, the chapter on cardiovascular surgery and cardiac procedures) and makes greater use of headings to break up the text and guide reading. From reviews of the Sixth

Edition: "This is an extremely well written book that I would recommend highly to anyone involved in anaesthetizing children. It is comprehensive enough to provide an excellent reference for trainees and general anaesthetists who occasionally deal with paediatric cases, while at the same time giving valuable supplemental information for paediatric anaesthetists encountering an unusual procedure or condition. In short, this is a book that would make a welcome addition to any anaesthetist's mobile library." --Anaesthesia

Basics of Anesthesia

This book has been textured with the purpose to expand and update the advances that have been made in the field of Anaesthesiology, since the publication of first edition. This volume of Fundamentals of Paediatric Anaesthesia intends to provide a concise source of information regarding anaesthetic management of paediatric patients for students of anaesthesiology.

Neonatal Anesthesia

Topics on Spinal Anaesthesia consists of eight important and updated chapters covering subarachnoid anaesthesia for major orthopaedic surgeries, ambulatory and short stay plastic surgical procedures, complications, and discussing the usefulness of opioids and non opioids drugs as spinal adjuvants to enhance subarachnoid block, transoperative analgesia and postoperative analgesia in various clinical scenarios. InTech invited respectable anesthesiologists from different countries to write this book. The authors and co-authors discussed in detail the advances in these subjects, so that the reader has an updated view and can use this knowledge on his/her patients. It is a practical book covering current information about subarachnoid anaesthesia.

Principles and Practice of Anesthesia for Thoracic Surgery

Manual of Pediatric Anesthesia

A practical guide to best practice in managing the perioperative care of pediatric neurosurgical patients.

Anaesthesia and Intensive Care A-Z E-Book

Linking existing knowledge to new knowledge by presenting it in the form of a case or a problem is a popular and effective

educational approach resulting in better retention of the knowledge and improved ability to apply that knowledge to solve real problems. This problem-based learning (PBL) method was introduced into medical education at McMaster University in Ontario, Canada, in 1969. Since then it has been widely incorporated into secondary, undergraduate, and graduate education in a variety of disciplines worldwide. This new volume for the Anesthesiology Problem-Based Learning series reviews pediatric anesthesia utilizing the PBL approach. Each chapter deals with conditions and problems in pediatric anesthesia practice presented as a case stem with questions to encourage critical thinking, followed by an evidence-based discussion and multiple-choice questions for self-assessment. Cases were carefully selected to present a broad systems-based tour of commonly encountered clinical cases in pediatric anesthesia. The book can be used to review an upcoming clinical case or as a PBL tool. The "Stem Case and Key Questions" and "Discussion" sections can serve as the basis for interactive learning experiences for study groups or as a broad yet in-depth clinical review of the subspecialty for the individual learner. Self-assessment questions can be used as a measure of knowledge acquisition or simply as a question bank to prepare for examinations.

The Pediatric Anesthesia Handbook

A comprehensive guide for anaesthetists on how to manage the complications and errors involved in treating paediatric patients.

Fundamentals of Pediatric Anesthesia

Provide optimal anesthetic care to your young patients with *A Practice of Anesthesia in Infants and Children, 5th Edition*, by Drs. Charles J. Cote, Jerrold Lerman, and Brian J. Anderson. 110 experts representing 10 different countries on 6 continents bring you complete coverage of the safe, effective administration of general and regional anesthesia to infants and children - covering standard techniques as well as the very latest advances. Find authoritative answers on everything from preoperative evaluation through neonatal emergencies to the PACU. Get a free laminated pocket reference guide inside the book! Quickly review underlying scientific concepts and benefit from expert information on preoperative assessment and anesthesia management, postoperative care, emergencies, and special procedures. Stay on the cutting edge of management of emergence agitation, sleep-disordered breathing and postoperative vomiting; the use of new devices such as cuffed endotracheal tubes and new airway devices; and much more. Familiarize yourself with the full range of available new drugs, including those used for premedication and emergence from anesthesia. Benefit from numerous new figures and tables that facilitate easier retention of the material; new insights from neonatologists and neonatal pharmacologists; quick summaries of each chapter; and more than 1,000 illustrations that clarify key concepts. Access the entire text online, fully searchable, at www.expertconsult.com, plus an extensive video library covering simulation, pediatric airway

management, burn injuries, ultra-sound guided regional anesthesia, and much more; and new online-only sections, tables and figures.

A Guide to Pediatric Anesthesia

No longer merely a subspecialty, pediatric anesthesia is now a professional entity in its own right, as is amply demonstrated in this comprehensive addition to the medical and surgical literature. *Pediatric Anesthesia: Basic Principles-State of the Art-Future* comprises the contributions of 150 experts in the field from all over the world, providing this book with a truly global perspective. This textbook will help anesthesiologists already interested in pediatric anesthesia to the knowledge and skills inherent to the safe practice of anesthesia for infants and children.

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