DESCRIPTION:
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.

CONTENTS:
Contemporary Anesthetic Management for Pediatric Airway
Evolution of Anesthesia for Pediatric Airway Surgery: From ETHER to TIVA AND Current Controversies
Pre-op considerations in the evaluation of children with airway pathologies
Airway Pathologies
Preferred anesthesia for routine otolaryngologic procedures
Anesthesia Methods for Airway Endoscopy
Neonatal Laryngoscopy and Bronchoscopy
Difficult Airway Management of Neonates, Infants, and Children with Syndromes Involving the Airway
Anesthesia Maintenance during Endoscopic Airway Surgery
Anesthesia maintenance during open airway reconstruction
Optimal Sedation Protocol after Single Stage Open Airway Reconstruction
Anesthetic control in emergent pediatric foreign bodies
Anesthetic considerations in major head and neck trauma
Anesthetic management of morbidly obese patients undergoing airway surgery
Extracorporeal Membrane Oxygenation (ECMO) considerations in fulminant airway obstruction
Prevention airway complications during aero digestive surgery
Management of immediate postoperative airway events in children
Complications from narcotic use in pediatric airway patients
ENT Surgery and Anesthesia Neurotoxicity in Children

Authors:
Diego Preciado, MD PhD
George Washington University School of Medicine
Washington, DC
USA

Susan Verghese, MD
Children’s National Health System Department of Anesthesiology
Washington, DC
USA