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Nota di contenuto	Part I: History & Fundamentals of Flexible Bronchoscopy -- Pediatric Bronchoscopy: A Personal Odyssey Through 5 Decades -- Organizing and Maintaining a Flexible Bronchoscopy Program -- Upper Airway Anatomy & Physiology -- Lower Airway Anatomy -- Lower Airway Physiology -- Indications, Risks and Complications -- Bronchoalveolar Lavage: Sampling Methods -- Bronchoalveolar Lavage: Cytology -- Bronchoalveolar Lavage: Microbial Evaluation -- Bronchoalveolar Lavage: Biomarkers -- Anesthesia Considerations for Flexible Bronchoscopy -- The Physiological Effects of Flexible Bronchoscopy -- Non-Bronchoscopic Assessment of the Airways -- Flexible Bronchoscopy Training -- 49 ways to get the wrong answer from a bronchoscopy -- Part II: Role of flexible bronchoscopy in evaluation of pediatric respiratory tract disorders -- Approach to Common Chief Complaints (ex. chronic cough & noisy breathing) -- Evaluating Airway Dynamics -- Extrinsic Compression of the Airway -- Pneumonia: Immunocompetent Children -- Pneumonia: Immunocompromised host -- Bronchiectasis and suppurative bronchitis -- Aspiration -- Plastic Bronchitis -- Asthma -- Foreign Body Aspiration -- Laryngotracheal stenosis -- Airway tumors -- Hemoptysis and Pulmonary Hemorrhage -- Diffuse & Interstitial Lung Disease -- Part III: Advanced Diagnostic and Interventional Bronchoscopy -- Tracheobronchography -- FEES –

Fiberoptic Endoscopic Evaluation of Swallowing -- Bedside Therapeutic Bronchoscopy in the Intensive Care Unit -- Endobronchial Biopsy -- Tranbronchial Biopsy -- EBUS -- Electromagnetic Navigational and Robotic Bronchoscopy -- Endobronchial Valves -- Whole Lung Lavage -- Treatment of Tracheobronchial Stenosis -- Excision of Airway Lesions -- Cryotherapy -- Bronchial Thermoplasty -- Endoscopic Repair of Tracheoesophageal Fistula.

Sommario/riassunto

Collaboratively authored by international experts and innovators, this book serves as a comprehensive introduction to flexible bronchoscopy in children, a guide to normal and abnormal bronchoscopy findings, and as the first pediatric bronchoscopy text to describe the array of innovative technologies now being utilized in advanced diagnostic and interventional bronchoscopy programs. Flexible bronchoscopy is a core clinical service provided by academic pediatric pulmonary medicine programs and a critical skill that trainees are expected to develop. The role of flexible bronchoscopy in the care of children with disorders of the respiratory tract has evolved rapidly over the past decade due to technological advances in diagnostic and therapeutic instruments. While many of these tools were designed for adult patients, pediatric pulmonologists have adapted them to meet the unique needs of children. The book is organized into three sections: the history and fundamentals of flexible bronchoscopy; the role of flexible bronchoscopy in evaluation of pediatric respiratory tract disorders; and advanced diagnostic and interventional bronchoscopy. Throughout, images and videos enhance the text and provide invaluable perspective. This is an ideal guide for practicing pediatric pulmonologists and trainees, and will also prove useful to pediatric anesthesiologists, intensivists, otolaryngologists and respiratory therapists. .