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Titolo	Pediatric and Neonatal Mechanical Ventilation : From Basics to Clinical Practice // edited by Peter C. Rimensberger
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ISBN	3-642-01219-1
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (1584 p.)
Disciplina	615.8 615.836
Soggetti	Critical care medicine Pediatrics Emergency medicine Anesthesiology Intensive / Critical Care Medicine Emergency Medicine
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Basics of respiratory physiology and mechanics in the neonate and the growing child -- Basics of respiratory support and mechanical ventilation (MV) -- Respiratory mechanics in the mechanically ventilated patient -- Respiratory monitoring in the mechanically ventilated patient -- Indications for respiratory support -- Clinical use of conventional modes of ventilator support -- Clinical use of non-conventional modes of ventilator support -- General management of the ventilator-supported patient -- Permissive hypercapnia -- Adjunctive therapies in mechanically ventilated children and neonates -- Complications of MV. Bronchoscopy in ventilated patients -- Sedation, analgesia and neuromuscular blockade during MV -- A practical approach to non-invasive MV -- Practical evidence-based and goal-directed approach to conventional MV -- Practical goal-directed approach to non-conventional MV -- MV in various pulmonary pathologies -- Cardio-pulmonary interactions in the mechanically ventilated patient.

Written by outstanding authorities from all over the world, this comprehensive new textbook devoted to pediatric and neonatal ventilation puts the focus on the effective delivery of respiratory support to children, infants, and newborns. In the early chapters, developmental issues concerning the respiratory system are considered, physiological and mechanical principles are introduced, and airway management and conventional and alternative ventilation techniques are discussed. Thereafter, the rational use of mechanical ventilation in various pediatric and neonatal pathologies is explained, with the emphasis on a practical step-by-step approach. Respiratory monitoring and safety issues in ventilated patients are considered in detail, and many other topics of interest to the bedside clinician are covered, including the ethics of withdrawal of respiratory support and educational issues. Throughout, the text is complemented by numerous illustrations and key information is clearly summarized in tables and lists, providing the reader with clear "take home messages".
