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Descrizione fisica	1 online resource (X, 132 p. 58 illus., 27 illus. in color.)
Disciplina	616.2
Soggetti	Respiratory organs—Diseases Critical care medicine Emergency medicine Pneumology/Respiratory System Intensive / Critical Care Medicine Emergency Medicine
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Introduction -- Respiratory Mechanics of Spontaneous Breathing -- Phase Variables -- Basic Modes of Ventilation -- Evaluating the Patient on the Ventilator with Acute Respiratory Decompensation -- Patient-Ventilator Dyssynchrony -- Hemodynamic Consequences of Mechanical Ventilation -- Ventilator Strategies in Acute Respiratory Distress Syndrome -- Ventilator Strategies in Obstructive Lung Diseases -- Ventilator Weaning Strategies.
Sommario/riassunto	This book is a practical and easily understandable guide for mechanical ventilation. With a focus on the basics, this text begins with a detailed account of the mechanisms of spontaneous breathing as a reference point to then describe how a ventilator actually works and how to effectively use it in practice. The text then details: the various modes of ventilation commonly used in clinical practice; patient-ventilator interactions and dyssynchrony; how to approach a patient on the ventilator with respiratory decompensation; the optimal ventilator management for common disease states like acute respiratory distress syndrome and obstructive lung disease; the process of ventilator weaning; and hemodynamic effects of mechanical ventilation. Written

for medical students, residents, and practicing physicians in a variety of different specialties (including internal medicine, critical care, surgery and anesthesiology), this book will instruct readers on how to effectively manage a ventilator, as well as explain the underlying interactions between it and the critically ill patient.
