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Titolo	Acute Respiratory Distress Syndrome // edited by Davide Chiumello
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2017
ISBN	3-319-41852-1
Edizione	[1st ed. 2017.]
Descrizione fisica	1 online resource (VI, 360 p. 46 illus., 29 illus. in color.)
Disciplina	616.028
Soggetti	Critical care medicine Emergency medicine Anesthesiology Intensive / Critical Care Medicine Emergency Medicine
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	Definition, prevalence and outcome -- Pathophysiology -- Ventilation strategies: tidal volume and PEEP -- Ventilation strategies: high-frequency oscillatory ventilation -- Ventilation strategies: recruitment maneuvers -- Prone position -- Partial or total extracorporeal support -- Vasodilators -- Weaning -- Lung imaging -- Metabolic Support -- Pharmacological interventions: Neuromuscular blocking agents -- Ventilator-induced lung injury -- Monitoring of respiratory mechanics -- Noninvasive ventilation -- Interaction between heart and lung -- Anti-inflammatory agents and stem cells -- Sedation -- ARDS in children.
Sommario/riassunto	This book covers all clinical aspects of acute respiratory distress syndrome (ARDS), from definition to treatment, focusing on the more recent recommendations and evidence-based medicine. The addressed topics are the various ventilation strategies, the impact of prone positioning, the use of partial and total extracorporeal support, the value of vasodilators, the weaning from mechanical ventilation, the pharmacological interventions, noninvasive ventilation, and the strategies using anti-inflammatory agents and stem cells. Furthermore, different related topics are also discussed, such as lung imaging,

sedation, metabolic support, and hemodynamic instability. A concluding chapter specifically addresses ARDS in children. This up-to-date volume, written by experts in the field, will be of value for all health care practitioners seeking state of the art on the management of patients with this complex syndrome.
