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Nota di contenuto	Molecular bases for lung development, injury, and repair / Shu Wu -- Perinatal events and their influence on lung development and injury / Suhas G. Kallapur and Alan H. Jobe -- Vascular development and neonatal pulmonary circulation / Robin H. Steinhorn -- The omics of the new BPD / Namasivayam Ambalavanan, Charitharth Vivek Lal and Vineet Bhandari -- Role of microbiome in lung injury / Namasivayam Ambalavanan and Rose M. Viscardi -- Definitions and diagnostic criteria of bronchopulmonary dysplasia : clinical and research implications / Eduardo Bancalari, Nelson Claire, Alan Jobe, Matthew Laughon -- Patent ductus arteriosus and the lung : acute effects and long-term consequences / Martin Kluckow, Eduardo Bancalari, Ilene R. S. Sosenko, Nelson Claire -- Ventilator-associated pneumonia / Thomas A. Hooven and Richard A. Polin -- Long-term pulmonary outcome of preterm infants / Lex Doyle and Jeanie Cheong -- Respiratory and cardiovascular support in the delivery room / Gary M. Weiner, Stuart B. Hooper, Peter G. Davis, Myra H. Wyckoff --

Noninvasive ventilation of preterm infants : an alternative to mechanical ventilation / Brett J. Manley -- Newer strategies for surfactant delivery / Peter Dargaville -- Respiratory control and apnea in premature infants / Richard J. Martin, Vidhi Shah and Juliann Di Fiore -- Oxygenation instability in the premature infant / Nelson Claire, Richard Martin, Juliann Di Fiore, Eduardo Bancalari -- Optimal oxygenation in extremely preterm infants / Waldemar A. Carlo -- Patient ventilator interaction / Nelson Claire, Eduardo Bancalari and Martin Keszler -- Pulmonary-cardiovascular interaction / Shahab Noori -- Ventilator strategies to reduce lung injury and duration of mechanical ventilation / Nelson Claire and Martin Keszler -- Automation of respiratory support / Nelson Claire, Martin Keszler and Eduardo Bancalari -- Pre and post natal steroids and pulmonary outcomes / Alan H. Jobe -- Cell based therapy for neonatal lung diseases / Karen C Young, Bernard Thebaud, Won Soon -- Management of the infant with severe bronchopulmonary dysplasia / Leif D. Nelin, Steven Abman and Howard Panitch.

Sommario/riassunto

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