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Titolo	Extracorporeal Life Support for Adults // edited by Gregory A Schmidt
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Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Physiology of Extracorporeal Life Support (ECLS), Matthew J. Brain, Warwick W. Butt, Graeme MacLaren -- Hypoxemic Respiratory Failure: Evidence, Indications, Exclusions, Darryl Abrams, Matthew Bacchetta, Daniel Brodie -- Cardiogenic Shock: Evidence, Indications, Exclusions, Nicolas Bréchet, Alain Combes -- ECCO2R in Obstructive Diseases: Evidence, Indications, Exclusions, Lorenzo Del Sorbo, V. Marco Ranieri -- ECLS as a Bridge to Lung Transplantation, Christian Kuehn.- Modes of ECLS, L. Keith Scott, Benjamin Schmidt -- Vascular Access for ECLS, Steven A. Conrad -- Circuits, Membranes, and Pumps, Bradley H. Rosen -- Ventilator Management during ECLS, Antonio Pesenti, Giacomo Bellani, Giacomo Grasselli, Tommaso Mauri -- Daily Care on ECLS, Giles J. Peek -- Crises during ECLS, Cara L. Agerstrand, Linda B. Mongero, Darryl Abrams, Matthew Bacchetta, Daniel Brodie -- Mobilization during ECLS, Gregory A. Schmidt -- ECMO Weaning and Decannulation, Sundar Krishnan and Gregory A. Schmidt -- The Story of ECLS: History and Future, J. Ann Morris, Robert Pollock, Brittany A. Zwischenberger, Cherry Ballard-Croft, Joseph B. Zwischenberger.
Sommario/riassunto	This book presents a concise, evidence-based review of extracorporeal

life support (ECLS) for adult diseases. It describes the use of ECLS with patients who are experiencing severe hypoxemic respiratory failure (ARDS and pneumonia), ventilatory failure (status asthmaticus and COPD), cardiogenic shock, and circulatory or gas exchange failure following complications in cardiothoracic surgery, as well as its use as a bridge to lung transplant. Historically, clinicians have used ECLS as a last resort; however, this text details the technological improvements, evidence of improved outcomes, and adverse consequences of alternative treatments that are causing this modality to be more commonly adopted. Topics include a description of the complex physiology and technology underlying ECLS; the evidence base for its use in specific clinical conditions; vascular access techniques; daily management of the circuit and patient; guidance regarding the weaning and decannulation process; and recommendations for crisis management and rehabilitation related to ECLS. Extracorporeal Life Support for Adults is ideal reading for practicing physicians, nurses, perfusion specialists, therapists, and critical care trainees who are considering whether to refer their patients for ECLS or are already providing ECLS and are seeking a practical reference to best practices and updated information. .

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