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Titolo	Endotoxin Induced-Shock: a Multidisciplinary Approach in Critical Care // edited by Silvia De Rosa, Gianluca Villa
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ISBN	3-031-18591-9
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (132 pages)
Disciplina	616.025 616.944
Soggetti	Internal medicine Critical care medicine Nephrology Internal Medicine Intensive Care Medicine
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Endotoxin: Structure Source and Effects -- Pathophysiology of Endotoxic Shock -- Host Resistance to Endotoxic Shock -- Endotoxin and Organ Cross-talk -- Endotoxin Measurement in Septic Shock -- Clinical Management of Endotoxemia: Antibiotics -- Clinical Management of endotoxemia: volume support -- Clinical Management of Endotoxemia: Corticosteroids -- Clinical Management of Endotoxemia: Vasoactive and Cardiotonic Drugs -- Clinical Management of Endotoxemia: Source Control -- Clinical Management of Endotoxemia: Treatment of DIC -- Clinical Management of Endotoxemia: Metabolic and Nutritional Support -- Strategies to Reduce Endotoxin Activities -- Extracorporeal Removal of Endotoxin.
Sommario/riassunto	This book provides easy consultation and guidance for an appropriate understanding and management of endotoxic shock. Endotoxic shock results from a severe, generalized inflammatory response induced by bloodstream infection with gram-negative bacteria. However, endotoxin-induced inflammatory activation may be disconnected by Gram-Negative threats (e.g. Gram-Positive and yeast infections) as well

as occur in multiple clinical scenarios like post-cardiac arrest syndrome and trauma, possibly due to gut barrier dysfunction and consequent endotoxin translocation. The clinical management is structured focusing and dedicating a chapter for antibiotics, corticosteroids, volume support, vasoactive and cardiostimulating drug, coagulopathy and nutritional support. In addition, this book is remarkable because describing polymixin b hemoperfusion points out molecular interactions, and hydrodynamics of Sorption. Each section includes •) brief pathophysiology; •) principles of management; •) key messages. Readers can find updated tips related to the diagnosis and management of endotoxic shock with a multidisciplinary approach drawing a pathway from endotoxin structure and source and the related pathophysiology of endotoxic shock underling the specific clinical aspect and focusing on medical clinical management of endotoxemia and extracorporeal removal. The book – written by international opinion leaders of this field – is addressed to healthcare providers working in intensive care and represents a point of reference for intensivists, infectious disease physicians, nephrologists and critical care nurses involved in the management of endotoxic shock and enriched with useful downloadable material.
