



Mechanisms of Organ Dysfunction in Critical Illness

By Evans, Timothy W. / Fink, Mitchell P.

Book Condition: New. Publisher/Verlag: Springer, Berlin | The pathophysiology of sepsis can be regarded as a series of steps, beginning with the invasion of normally sterile tissue by microbes and the elaboration of various pro-inflammatory mediators. The final common pathway is often the development of the multiple organ dysfunction syndrome (MODS). Whereas a great deal has been learned during the past quarter century about the inflammatory processes associated with sepsis (and other related conditions, such as ischemia/reperfusion injury), our understanding is far less developed with respect to the pathophysiological events that lead to organ dysfunction under these conditions. Nevertheless, efforts by both clinical and laboratory scientists are leading to new knowledge in this area. The chapters in this volume provide a state-of-the-art overview of many aspects of the pathophysiology of organ dysfunction in critical illness. | Mitochondrial Biology.- Cellular Responses to Hypoxia: Role of Oxidant Signal Transduction.- The Mitochondrial Permeability Transition: A 'Pore' Way to Die.- Cytopathic Hypoxia in Circulatory Shock: The Role of Poly (ADP-Ribose) Synthetase Activation.- Derangements in Cellular Oxygen Metabolism.- Pharmacologic and Metabolic Mitochondrial Rescue.- Leukocytes and Cell Signaling Mechanisms in Inflammation.- Role of Leukocytes in Sepsis and Lung Injury.- Dysregulated Neutrophil Apoptosis in the Pathogenesis of...



READ ONLINE
[5.77 MB]

Reviews

Good eBook and helpful one. It really is written in straightforward words and phrases and never confusing. I am just effortlessly could possibly get a enjoyment of looking at a published book.

-- **Romaine Rippin**

The book is great and fantastic. it absolutely was written very properly and beneficial. It is extremely difficult to leave it before concluding, once you begin to read the book.

-- **Lyda Davis II**