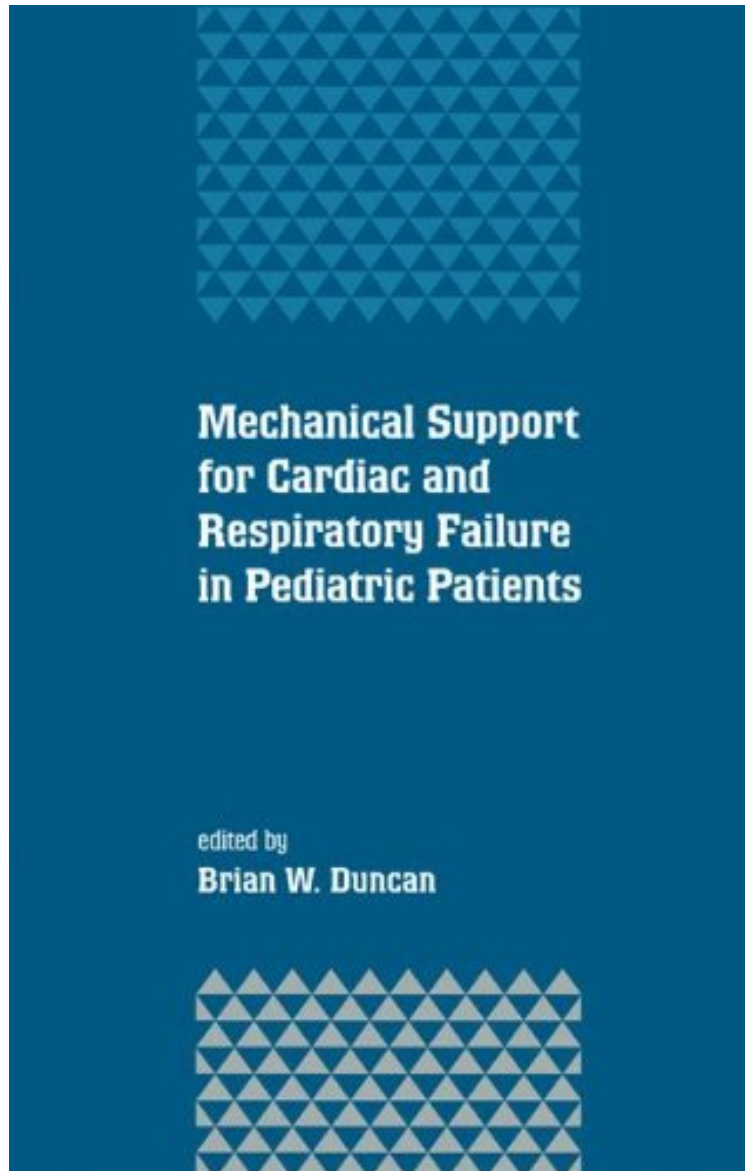


[Free pdf] Mechanical Support for Cardiac and Respiratory Failure in Pediatric Patients

Mechanical Support for Cardiac and Respiratory Failure in Pediatric Patients

Brian Duncan

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Answering the demand for a comprehensive, all-purpose volume focusing on the challenging needs of pediatric patients, *Mechanical Support for Cardiac and Respiratory Failure in Pediatric Patients* summarizes a wealth of knowledge on the mechanical devices, clinical management, alternative applications, and future directions in the specialized field of pediatric critical care. Condensed advice from experts on the shelf offers guidance in critical intensive care settings! Combining clinical aspects with the latest experimental results, *Mechanical Support for Cardiac and Respiratory Failure in Pediatric Patients* examines current modalities and the best uses of mechanical support, including step-by-step techniques for extracorporeal membrane oxygenation (ECMO), ventricular assist devices (VAD), and intra-aortic balloon pumps highlights the use of mechanical support in nonsurgical diseases such as myocarditis and cardiomyopathy, with implanted ventricular devices and in long-term follow-up care discusses the optimal management for perioperative support in cardiac and pulmonary transplantations in children reviews successful cases of mechanical support, including resuscitation after cardiac arrest, pediatric patients with myocarditis, and circulatory support of patients without cardiac disease explores anticipated improvements and uses of the Berlin Heart, the Nimbus Rotary Pump, and applications of the Medos-HIA VAD in young patients and much more! Authored by nearly 40 internationally recognized experts and containing over 500 literature references, drawings, photographs, and tables, *Mechanical Support for Cardiac and Respiratory Failure in Pediatric Patients* is an invaluable reference for cardiologists and pediatric cardiologists, intensivists, cardiac surgeons, pulmonologists, anesthesiologists, general pediatricians, nursing personnel, perfusionists, and medical school students in these disciplines.

"From the foreword... This remarkable book...beautifully assembled and edited by Brian Duncan pleads the case for the importance of cardiac assist devices for the neonate, infant, and child....The differences are in fact legion and are beautifully presented in this book. Dr. Duncan has brought together many of the leading figures in the field. "-Richard A. Jonas, M.D. William E. Ladd Professor of Surgery Harvard Medical School Cardiovascular Surgeon-in-Chief, Children's Hospital Boston, Massachusetts "a comprehensive book that assembles a good deal of knowledge on cardiac assist devices. an excellent reference for practical aspects and current knowledge related to circulatory support in children. "- Asian Cardiovascular Thoracic Annals "wide ranging. enlightening. a single source of information on the state-of-the-art of mechanical circulatory support in the pediatric population. "-Respiratory Care