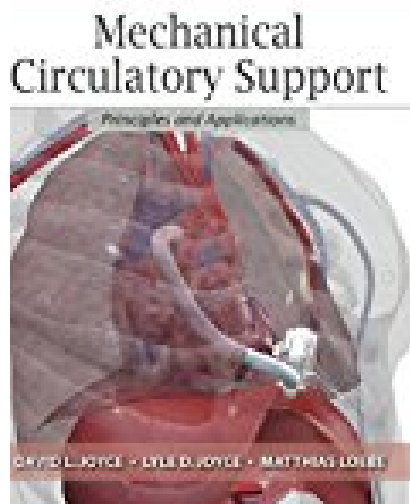


Mechanical Circulatory Support Principles and Applications Cardiology



BOOK DETAILS

- Author : David Joyce
- Pages : 272 Pages
- Publisher : McGraw-Hill Education / Medical
- Language : English
- ISBN : 0071753443

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BOOK SYNOPSIS

An all-in-one guide to mechanical assist devices for the treatment of heart failure. This complete guide addresses all of the clinical scenarios encountered by the health care team during the pre-operative, intra-operative, and post-operative periods following device implantation. In addition, it outlines the specific attributes of various technologies that are currently utilized by clinicians, giving you a practical view of how the latest devices work. You'll also find a mini-catalog of the spectrum of current devices, complete with their technical and clinical specifications. Drawing on the latest published data and the combined global expertise of a renowned author team, *Mechanical Circulatory Support* puts the field's most essential perspectives right at your fingertips. **FEATURES:** The unmatched mechanical circulatory device sourcebook, covering the physiological, technical, regulatory, and clinical aspects of ventricular assist devices. Full-color presentation features a wide range of photographs, radiographs, tables, and clearly labeled clinical and schematic illustrations. Essential insights into the physiology of heart failure, which provides a basic foundation of knowledge for understanding the role of mechanical circulatory assistance in the management of heart failure. Logical two-part organization consisting of: Clinical Considerations in mechanical circulatory support, including device history/development and indications for device therapy; perioperative management; complications; and special considerations (use in infants/children, pulmonary hypertension during LVAD support, and more). Device-Specific Considerations, which provides a mini-catalog of manufacturer's devices—from short-term devices to long-term continuous flow devices—and highlights technical and clinical specifications for each product. Guide to appropriate device selection using a simplified framework in an industry that produces an increasing array of short- and long-term therapies. Helpful chapter introductions provide essential background information that places each chapter topic in its proper clinical and technical context. Conclusions at the end of each chapter offer a concise summary of chapter material. Full chapter-ending references provide opportunities for further research.

MECHANICAL CIRCULATORY SUPPORT PRINCIPLES AND APPLICATIONS

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