
Contents

1 Principles of Heart Failure	1
Benjamin Hirsh and Ulrich P. Jorde	
2 Algorithm for Treatment of Advanced Heart Failure	9
Richard K. Cheng, Mrudula R. Allareddy, Eugene C. DePasquale, Farhana Latif, Khurram Shahzad, and Mario C. Deng	
3 Surgical Coronary Artery Revascularization in Patients with Advanced Ischemic Cardiomyopathy	35
Benjamin C. Sun	
4 Mitral Valve Repair for Ischemic Mitral Regurgitation with Advanced Cardiomyopathy	39
Leora B. Balsam, Eugene A. Grossi, and Aubrey Galloway	
5 Aortic Valve Replacement for Severe Aortic Stenosis or Aortic Insufficiency with Advanced Left Ventricular Dysfunction	49
S. Chris Malaisrie and Patrick M. McCarthy	
6 Ventricular Remodeling for Ischemic Cardiomyopathy and Ventricular Asynergy Post Myocardial Infarction	63
John V. Conte	
7 Cardiac Resynchronization in Advanced Heart Failure: Biventricular Pacing	71
William T. Abraham and Paul Chacko	
8 Triage VADs: TandemHeart, Impella, and CentriMag	93
Igor D. Gregoric	
9 Cardiac Transplantation	109
Lucian Lozonschi, Carter T. Smith, and Niloo M. Edwards	
10 Mechanical Circulatory Support as a Bridge to Transplantation	121
Jeffrey A. Morgan and Yoshifumi Naka	
11 Ventricular Assist Devices for Destination Therapy	137
Sanjeev Aggarwal and Mark S. Slaughter	

12	Newer-Generation Rotary Blood Pumps	149
	Steven M. Parnis, Mehmet Hakan Akay, and O.H. Frazier	
13	Total Artificial Heart.....	161
	Hannah Copeland, Jack G. Copeland, and Richard G. Smith	
14	Right Ventricular Dysfunction in Patients Undergoing Left Ventricular Assist Device Implantation: Predictors, Management, and Device Utilization	177
	Abeel A. Mangi	
15	Ventricular Assist Devices and Transplantation for Adults with Congenital Heart Disease.....	189
	Jonathan M. Chen and Robert A. Sorabella	
	Index.....	195

Surgical Treatment for Advanced Heart Failure

Morgan, J.A.; Naka, Y. (Eds.)

2013, XI, 199 p. 119 illus., 85 illus. in color., Hardcover

ISBN: 978-1-4614-6918-6