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Nota di contenuto	Section 1. Aorta Disease -- Chapter 1. Aortic Dissection Associated with Ischemic Stroke -- Chapter 2. Bentall-De Bono technique in the ascending aorta aneurysm, aortic stenosis and coronary reimplantation -- Chapter 3. Correction of Interrupted Aortic Arch in an Adult: Ascending-to-Descending Aorta Bypass -- Chapter 4. Giant Ruptured Sinus of Valsalva Aneurysm -- Chapter 5. Retroesophageal Right Aortic Arch associated with an Aortic Aneurysm and a Ventricular Septal Defect -- Chapter 6. Aortic Aneurysm -- Chapter 7. Hybrid strategy on aortic arch disease -- Section 2. Arrhythmias -- Chapter 8. Mitral valve disease and atrial fibrillation -- Chapter 9. Late arrhythmia after Fontan repair -- Chapter 10. Paroxysmal Atrial Fibrillation due to repeated episodes of severe hypoglycemia in Patient with Diabetes Mellitus type I -- Section 3. Cardiac Tumors -- Chapter 11. Cardiac Leiomyosarcoma -- Section 4. Coronary Insufficiency -- Chapter 12. Intra-Aortic Balloon Pump in Acute Myocardial Infarction and Ischemic Mitral Insufficiency -- Chapter 13. Diagnosis and Management of Takotsubo Syndrome (Broken Heart Syndrome) -- Chapter 14. Kawasaki Disease with Coronary Artery Bypass Grafting -- Chapter 15. Stable Angina and Revascularization in Type 1 Diabetic Patient -- Chapter 16. Unusual Mechanism of Myocardial Infarction in Prosthetic Valve Endocarditis -- Section 5. Congenital Heart Disease -- Chapter 17. Atrioventricular

Septal Defect with Pulmonary Hypertension After the First Year of Life -- Chapter 18. Surgical Treatment of Atrial Septal Defect by Occluder Device -- Chapter 19. Percutaneous Occlusion of a Patent Foramen Ovale -- Chapter 20. Transposition of Great Arteries with Pulmonary Valve Stenosis after Jatene Procedure -- Section 6. Endovascular Therapies -- Chapter 21. Transcatheter Aortic Valve Replacement (TAVR) and Angioplasty in a High-Risk Patient -- Chapter 22. Aortic coarctation -- Chapter 23. Endovascular treatment for abdominal aortic aneurysm -- Section 7. Heart Failure -- Chapter 24. Acute Heart Failure Without Prior History of Myocardial Dysfunction -- Section 8. Heart Transplantation -- Chapter 25. Cardiac transplantation in situs inversus totalis: a surgical challenge -- Section 9. Mechanical Circulatory Support -- Chapter 26. Mechanical circulatory support in patient with pulmonary dysfunction -- Chapter 27. Pediatric ventricular assist device (VAD) as successful bridge to heart transplantation -- Chapter 28. Use of Veno-Arterial Extracorporeal Membrane Oxygenation (VA-ECMO) in an Adult Patient with Septic and Cardiogenic Shock -- Chapter 29. Circulatory Assistance in a Patient with Respiratory Failure -- Section 10. Pericardial Disease -- Chapter 30. Constrictive pericarditis: A late complication of tuberculosis -- Chapter 31. Hodgkin's disease and pericardial effusion -- Chapter 32. Pericardiocentesis: a lifesaving procedure -- Section 11. Pulmonary Embolism -- Chapter 33. Chronic thromboembolic pulmonary hypertension (CTEPH): a surgically curable cause of pulmonary hypertension -- Chapter 34. Intracardiac embolization of inferior vena cava filter -- Section 12. Valvular Heart Disease -- Chapter 35. Acute mitral valve insufficiency due to Multiple Trauma Accident -- Chapter 36. Endocarditis: the precipitation of a mitral insufficiency -- Chapter 37. Valvular commitment in Hunter Syndrome -- Chapter 38. Rheumatic Mitral Valve Stenosis: a surgical case -- Chapter 39. Sutureless Aortic Prosthesis Implantation: the First Brazilian Experience with Perceval device -- Chapter 40. Thrombosis of a Mechanical Mitral Valve Prosthesis.

Sommario/riassunto

This clinical casebook is comprised of surgical cases involving the most important cardiovascular diseases in a concise, easy-to-read format. Each chapter is a case that opens with a unique clinical presentation, followed by a description of the diagnosis, assessment and management techniques used to treat it. Additionally, each chapter features a section of questions and answers about relevant aspects related to the diagnosis and treatment of the addressed disease. It features 40 surgical cases in the following thematic areas: Aortic Disease, Arrhythmias, Cardiac Tumors, Coronary Insufficiency, Congenital Heart Disease, Endovascular Therapies, Heart Failure, Heart Transplantation, Mechanical Circulatory Support, Pericardial Disease, Pulmonary Embolism and Valvular Heart Disease. Cardiovascular Surgery – A Clinical Casebook provides excellent real-world strategies regarding the diagnosis and surgical approach to heart diseases. The book will be of great interest to medical students, surgical residents, clinical fellows, heart surgeons and other practitioners involved in the care of patients with cardiac illness.