

Χαρακτηριστικά:

- Provides **comprehensive coverage of all areas of cardiac surgery**, including coronary artery, valvular, pericardial, and congenital heart disease; cardiac tumors; heart failure, mechanical circulatory support, and cardiac transplantation; cardiac rhythm disturbances; and thoracic aorta disease. The **Congenital Heart Disease section features 30 chapters** covering all congenital cardiac malformations, from the simplest to the most complex, and includes new chapters on anatomic considerations and nomenclature for congenital heart disease and congenital heart surgery in resource-limited settings. These are accompanied by chapters on general considerations across the field: anatomy, hypothermia and circulatory arrest, cardiopulmonary bypass, myocardial management, anesthesia and postoperative care, cardiac reoperations, cardiac imaging, generating new knowledge, and quality assurance
- Covers the **latest advancements and practices** with thorough updates throughout
- Shares the knowledge and expertise of a **new, global team of internationally renowned contributing authors** selected based on their extensive expertise in each area
- Includes for each condition: definition, historical note, pathogenesis and morphology, clinical features and diagnostic criteria, natural history, technique of operation, special features of postoperative care, results, indications for operations, and special situations and controversies—all designed to help you **make the most well-informed decisions and achieve optimal outcomes**
- Contains **100+ new illustrations** for a better visual understanding of critical information, and detailed flow charts, diagrams, and graphs throughout
- **Includes an eBook version is included with purchase.** The eBook **that** allows you to access to all of the text, figures, and references, with the ability

Περιεχόμενα:

Part I: General Considerations

1. Anatomy
2. Hypothermia, Circulatory Arrest, and Cardiopulmonary Bypass
3. Myocardial Management During Cardiac Surgery with Cardiopulmonary Bypass
4. Anesthesia and Postoperative Care
5. Cardiac Reoperations: Considerations and Techniques
6. Cardiac Imaging
7. Generating New Knowledge
8. Quality Assurance

Part II: Ischemic Heart Disease

9. Stenotic Coronary Artery Disease
10. Acute and Chronic Complications of Myocardial Infarction

Part III: Acquired Valvular Heart Disease

11. Mitral Valve Disease
12. Aortic Valve Disease
13. Tricuspid Valve Disease
14. Infective Endocarditis

Part IV: Other Cardiac Conditions

15. Cardiac Rhythm Disturbance
16. Cardiac Trauma
17. Cardiac Tumors
18. Pericardial Disease
19. Hypertrophic Cardiomyopathy

Part V: Advanced Heart Failure

20. Mechanical Circulatory Support
21. Cardiac Transplantation

Part VI: Diseases of the Thoracic Arteries and Veins

22. Acute Aortic Dissection
23. Chronic Thoracic and Thoracoabdominal Aortic Disease
24. Acute Traumatic Aortic Disruption
25. Diseases of the Pulmonary Arteries and Systemic Veins

Part VII: Congenital Heart Disease

26. Anatomic Considerations in Congenital Heart Disease
27. Nomenclature for Congenital Heart Disease
28. Patent Ductus Arteriosus
29. Atrial Septal Defect, Partial Anomalous Pulmonary Venous Connection, Unroofed Coronary Sinus
30. Total Anomalous Pulmonary Venous Connection
31. Cor Triatriatum
32. Atrioventricular Septal Defect
33. Ventricular Septal Defect
34. Ventricular Septal Defect with Pulmonary Stenosis
35. Ventricular Septal Defect and Pulmonary Atresia
36. Pulmonary Stenosis or Atresia with Intact Ventricular Septum
37. Congenital Sinus of Valsalva Aneurysm, Aortico-Left Ventricular Tunnel
38. Congenital Anomalies of the Coronary Arteries
39. Vascular Rings and Slings, Tracheal Stenosis
40. Coarctation of the Aorta, Interrupted Aortic Arch
41. Aortopulmonary Window
42. Origin of the Right or Left Pulmonary Artery from the Ascending Aorta

43. Truncus Arteriosus
44. Transposition of the Great Arteries
45. Double Outlet Right Ventricle
46. Double Outlet Left Ventricle
47. Congenitally Corrected Transposition of the Great Arteries, Isolated Ventricular Inversion, Isolated Atrial Inversion, Anatomically Corrected Malposition of the Great Arteries
48. Ebstein Anomaly
49. Congenital and Juvenile Rheumatic Mitral Valve Disease
50. Congenital Aortic Stenosis
51. Hypoplastic Left Heart Syndrome
52. Functional Single Ventricle
53. Heterotaxy
54. Congenital Heart Disease in the Adult
55. Congenital Heart Surgery in Resource Limited Settings