

Χαρακτηριστικά:

- Provides comprehensive coverage of the foundational and practical aspects of care for complex heart problems in children, covering both therapy and surgery from basic information through complex, team-based clinical applications
- Includes new chapters on cardiomyopathies, structural heart disease, interventional procedures, genetics, electrophysiology, and imaging
- Discusses the latest information on diagnosis and treatment of congenital heart disease, including in the fetus and young adult
- Covers current drugs used in pediatric heart conditions and surgical therapy
- Shares the knowledge and expertise of editors and authors at Boston Children's Hospital, one of the world's largest and most highly rated pediatric cardiology and congenital heart surgery institutions, using a team-based approach
- Covers the full spectrum of care, including anesthesia, the ICU, and nursing considerations
- An eBook version is included with purchase. The eBook allows you to access all of the text, figures and references, with the ability to search, customize your content, make notes and highlights, and have content read aloud

Περιεχόμενα:

Section I Historical Notes

1. A Brief History of Pediatric Cardiology and Congenital Heart Surgery

Section II Developmental Anatomy and Physiology

2. Cardiac Embryology
3. Morphologic-Anatomic Diagnosis: Normal and Pathologic Cardiac Morphology
4. Fetal and Transitional Circulation

Section III Cardiac Genetics

5. Genetics of Congenital Heart Disease
6. Dysmorphology and Syndromes

Section IV Noninvasive Tools of Diagnosis

7. History, Physical Examination, Oximetry, Chest Radiograph, and Other Baseline Testing
8. Electrocardiography
9. Echocardiography
10. Advanced Cardiac Imaging
11. Assessment of Myocardial Performance
12. Exercise Testing

Section V Cardiac Catheterization

13. Fundamentals of Cardiac Catheterization
14. Interventional Cardiac Catheterization
15. Lymphatic Anomalies and Interventions
16. Fetal Cardiac Interventions

Section VI Electrophysiology

17. Cardiac Arrhythmias and Antiarrhythmic Drugs
18. Electrophysiology Studies and Transcatheter Ablation
19. Pacemakers and Anti-Tachycardia Devices
20. Inherited Arrhythmia Syndromes and Arrhythmogenic Cardiomyopathies

Section VII Specific Congenital Heart Defects

21. Atrial Septal Defects
22. Ventricular Septal Defects
23. Anomalies of the Ductus Arteriosus
24. Coarctation of the Aorta and Interrupted Aortic Arch
25. Pulmonary Stenosis
26. Tetralogy of Fallot
27. Double-Outlet Right Ventricle
28. Aortic Outflow Abnormalities
29. D-Transposition of the Great Arteries
30. Congenitally Corrected Transposition of the Great Arteries
31. Atrioventricular Canal Defects
32. Heterotaxy Syndrome
33. Mitral Valve and Left Atrial Abnormalities
34. Ebstein Anomaly and Other Tricuspid Valve Problems
35. Hypoplastic Left Heart Syndrome
36. Tricuspid Atresia
37. Pulmonary Atresia with Intact Ventricular Septum
38. Truncus Arteriosus and Hemitruncus
39. Total Anomalous Pulmonary Venous Connection
40. Pulmonary Vein Stenosis
41. Aortopulmonary Window
42. Coronary Artery Anomalies
43. Vascular Rings, Slings, and Related Anomalies

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45. Rheumatic Fever and Rheumatic Heart Disease
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47. Lyme disease, COVID-19, and Myocarditis
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- 51. Cardiac Masses

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- 57. Adult Congenital Heart Disease
- 58. Pregnancy and Reproductive Health in Patients with Congenital Heart Disease
- 59. The Fontan Circulation

Section X Cardiac Surgery

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- 61. Ventricular Recruitment in Patients with Borderline Ventricles
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- Glossary of Eponymous Cardiac Procedures