

SECTION 1

Structural and Functional Development

- 1 Terminology
- 2 Anatomy
- 3 Embryology of the Heart
- 4 Etiology of Congenital Cardiac Disease
- 5 Myocardium and Development
- 6 Physiology of the Developing Heart

SECTION 2

Prenatal Congenital Heart Disease

- 7 Magnetic Resonance Assessment of the Fetal Circulation in Congenital Heart Disease
- 8 Imaging and Quantifying the Fetal Circulation in Congenital Cardiac Disease: Ultrasound
- 9 Pharmacologic Intervention in the Fetus
- 10 Percutaneous Intervention in the Fetus, Including Postnatal Management
- 11 The Placenta in Congenital Heart Disease
- 12 Optimizing Prenatal Support of the Mother and Family

SECTION 3

General Topics

- 13 Prevalence of Congenital Cardiac Disease
- 14 Economic Implications of Congenital Heart Disease in Developed Countries
- 15 Prematurity and Cardiac Disease
- 16 Surgical Techniques
- 17 Diagnostic Catheterization, Including Adults With Congenital Cardiac Disease
- 18 Interventional Techniques
- 19 Cross-Sectional Echocardiography and Doppler Imaging
- 20 Three-Dimensional Echocardiography
- 21 Magnetic Resonance Imaging and Computed Tomography: Diagnostic Imaging, Image Management, and Assessment of Physiology and Function
- 22 Electrophysiology, Pacing, and Defibrillation
- 23 Cardiopulmonary Exercise Testing
- 24 Pediatric Cardiovascular Data, Analysis, and Critical Appraisal of the Literature
- 25 Cardiovascular Risk Factors in Youth

SECTION 4

Specific Lesions

- 26 Isomerism of the Atrial Appendages
- 27 Anomalous Systemic Venous Return
- 28 Pulmonary Venous Abnormalities
- 29 Interatrial Communications
- 30 Division of Atrial Chambers (“Cor Triatriatum”)
- 31 Atrioventricular Septal Defects
- 32 Ventricular Septal Defect
- 33 Diseases of the Tricuspid Valve
- 34 Diseases of the Mitral Valve
- 35 Tetralogy of Fallot With Pulmonary Stenosis
- 36 Tetralogy of Fallot With Pulmonary Atresia
- 37 Transposition
- 38 Congenitally Corrected Transposition
- 39 Double-Outlet Ventricle
- 40 Common Arterial Trunk
- 41 Arterial Duct: Its Persistence and Its Patency
- 42 Pulmonary Stenosis
- 43 Pulmonary Atresia With Intact Ventricular Septum
- 44 Congenital Anomalies of the Aortic Valve and Left Ventricular Outflow Tract
- 45 Coarctation and Interrupted Aortic Arch
- 46 Congenital Coronary Anomalies
- 47 Vascular Rings, Pulmonary Arterial Sling, and Related Conditions
- 48 Artery of the Fifth Aortic Arch
- 49 Abnormal Positions and Relationships of the Heart
- 50 Arteriovenous Communications
- 51 Other Malformations of the Ventricular Outflow Tracts
- 52 Cardiac Tumors
- 53 Kawasaki Disease
- 54 Acute Rheumatic Fever
- 55 Chronic Rheumatic Heart Disease
- 56 Infective Endocarditis

- 57 Pericardial Diseases in Children
- 58 Aortopathies in Pediatric Cardiology and Cardiac Surgery
- 59 Cardiologic Aspects of Systemic Disease
- 60 Systemic Hypertension

SECTION 5

Heart Failure and Transplantation

- 61 Cardiomyopathies
- 62 Cardio-oncology
- 63 Myocarditis
- 64 Acute Circulatory Failure: Pharmacologic and Mechanical Support
- 65 Chronic Heart Failure: Physiology and Treatment
- 66 Chronic Mechanical Circulatory Support
- 67 Heart and Heart-Lung Transplantation

SECTION 6

Functionally Univentricular Heart

- 68 Introduction: The “Fontan Pathway
- 69 Anatomic Considerations in the Functionally Univentricular Heart
- 70 Physiologic Principles to Maximize Outcome in Patients With a Functionally Univentricular Heart
- 71 Fontan Pathway From Birth Through Early Childhood
- 72 Interstage Management
- 73 Longer-Term Outcomes and Management for Patients With a Functionally Univentricular Heart

SECTION 7

Beyond the Heart

- 74 Systemic Circulation
- 75 Pulmonary Hypertension
- 76 Neurodevelopmental and Psychosocial Outcomes in Children and Young Adults With Complex Congenital Cardiac Disease
- 77 Congenital Cardiac Disease in the Setting of Genetic Syndromes
- 78 Acute and Chronic Renal Consequences of Cardiac Disease in Children
- 79 Pharmacogenetics in the Treatment of Congenital and Acquired Cardiac Disease During Childhood
- 80 Pregnancy and Congenital Heart Disease
- 81 Preparing the Young Adult With Complex Congenital Cardiac Disease to Transfer From Pediatric to Adult Care

- 82 Psychological and Social Aspects of Pediatric Cardiac Disease
- 83 Ethical Issues in Pediatric Cardiology and Congenital Heart Disease
- 84 Clinical Care Pathways Supporting the Care of Children and Young People With Congenital Heart Disease
- 85 Discharge Planning, Communications With the Team Providing Care in the Ambulatory Setting and the “Medical Home
- 86 Growth and Nutrition
- 87 Quality Improvement in Congenital Cardiac Disease
- 88 Global Burden of Pediatric Heart Disease and Pediatric Cardiac Care in Low- and Middle-Income Countries
- 89 Screening in Pediatric and Congenital Cardiac Disease
- 90 Anesthetic Considerations for Cardiac and Noncardiac Surgery in the Child With Congenital Cardiac Disease
- 91 Telemedicine in Pediatric Cardiology