Contents

Foreword 1 Dr James K. Kirklin, MD and Dr John Kirklin, MD v
Foreword 2 His Excellency Hajar A. Hajar Al Binali, MD, FACC vii
Preface ix
Abbreviations and Key xiii

Section 1 Extracardiac Anomalies of the Great Arteries

1 Persistently Patent Arterial Duct 3
2 Anomalies of the Thoracic Aorta 11
A Coarctation of the Aorta 11
B Interruption of the Aortic Arch 21
C Vascular Rings 27
3 Aortopulmonary Window 35

Section 2 Anomalies Related to the Atriums

4 Atrial Arrangement (Situs)/Isomerism/Juxtaposition 41
5 Atrial Septal Defect 53
6 Unroofed Coronary Sinus 63
7 Division of the Left Atrium 67
8 Anomalous Pulmonary Venous Connection 77
9 Anomalous Systemic Venous Connection 91
10 Supravalvar Mitral Ring 99

Section 3 Four-chambered Hearts with Concordant Atrioventricular and Ventriculo-arterial Connections

11 Ventricular Septal Defect 105
12 Atrioventricular Septal Defect 135
13 Tricuspid Valvar Anomalies 161
14 Mitral Valvar Anomalies 177
15 Pulmonary Valvar Anomalies with Intact Ventricular Septum 187
16 Aortic Valvar Anomalies and Left Ventricular Outflow Tract Obstruction 203
17 Tetralogy of Fallot 231
18 Pulmonary Atresia with Ventricular Septal Defect 249
19 Hypoplastic Left Heart Syndrome 259

Section 4 Four-chambered Hearts with Abnormal Ventriculo-arterial Connections

20 Common Arterial Trunk 283
21 Complete Transposition of the Great Arteries (Discordant Ventriculo-arterial Connections) 295
22 Congenitally Corrected Transposition (Discordant Ventriculo-arterial Connections with Discordant Atrioventricular Connections) 347
23 Double Outlet Right Ventricle 369

Section 5 Hearts with Univentricular Atrioventricular Connection

24 Tricuspid Valvar Atresia 387
25 Mitral Valvar Atresia 401
26 Common Atrioventricular Valve with Double Inlet Ventricle 413
27 Double Inlet Ventricle 421

Section 6 Coronary Arterial Anomalies

28 Coronary Arterial Fistula 437
29 Anomalous Origin of the Left Coronary Artery from the Pulmonary Trunk 441

Section 7 Miscellaneous

30 Endocarditis 451

Index 455