

Dedication

Introduction Laura K. Berenstain and James P. Spaeth

1. A congenital heart disease primer Laura K. Berenstain and James P. Spaeth

Part I. Left-to-right Shunts Adam C. Adler:

2. Ventricular septal defect Maxwell Teets and Adam C. Adler

3. Double outlet right ventricle Ramesh Kodavatiganti

4. Transitional atrioventricular septal defect Ana Maria Manrique Espinel and Adam C. Adler

5. Complete atrioventricular septal defect (unbalanced) Lori Q. Riegger

Part II. Right-sided Obstructive lesions Jamie McElrath Schwartz:

6. Critical pulmonic stenosis Jennie Ngai

7. Tetralogy of Fallot Matthew P. Monteleone

8. Repaired tetralogy of Fallot Joanna Rosing Paquin

9. Tetralogy of Fallot with absent pulmonary valve Andrew Tadeusz Waberski

10. Tetralogy of Fallot with pulmonary atresia Mikel Gorbea and Lisa Wise-Faberowski

11. Pentalogy of Cantrell Jennifer Lam

12. Ebstein's anomaly Joseph McSoley and Joseph P. Previte

13. Ebstein's anomaly, single ventricle palliation David Faraoni

Part III. Left-sided Obstructive Lesions Viviane Nasr:

14. Critical aortic stenosis Vannessa Chin

15. Aortic stenosis Deborah A. Romeo

16. Subvalvar aortic stenosis Rahul Baijal

17. Supravalvar aortic stenosis Stephanie N. Grant and Bruce E. Miller

18. Hypertrophic cardiomyopathy Bridget Pearce

19. Coarctation of the aorta Nicholette Kasman

20. Shone's complex Nicole Dobija

Part IV. Complex Mixing Lesions Gregory Latham:

21. D-Transposition of the great arteries (arterial switch) Leah Landsem and Gregory J. Latham

22. D-Transposition of the great arteries (atrial switch) Denise C. Joffe and Michael J. Eisses

23. L-Transposition of the great arteries ('corrected transposition') Katie J. Roddy and Anna Kaiser

- 24. Total anomalous pulmonary venous return and heterotaxy Anna E. Jankowska**
- 25. Truncus arteriosus Faith J. Ross and Kelly Everhart**
- Part V. Single Ventricle Physiology Lori Q. Rieger:**
- 26. Hypoplastic left heart syndrome Bishr Haydar**
- 27. Bidirectional Glenn Amanpreet S. Kalsi**
- 28. Lateral tunnel Fontan Wenyu Bai**
- 29. Extracardiac Fontan Chinwe Unegbu and Nina Deutsch**
- 30. Failing Fontan Maricarmen Roche Rodriguez and Viviane G. Nasr**
- Part VI. Heart Failure, Mechanical Circulatory Support and Transplantation Erica Lin:**
- 31. Duchenne muscular dystrophy Elizabeth R. Vogel and Annette Y. Schure**
- 32. Dilated cardiomyopathy Stephen Alcos and Andreas W. Loepke**
- 33. Mixed cardiomyopathy Adam C. Adler**
- 34. Extracorporeal membrane oxygenation Rita Saynhalath and M. Iqbal Ahmed**
- 35. Left ventricular assist device J. Nick Pratap**
- 36. Right ventricular assist device Rajeev Wadia and Jamie McElrath Schwartz**
- 37. Lung transplantation Arpa Chutipongtanate and Erica P. Lin**
- 38. Heart transplantation Zachary Kleiman and Luis M. Zabala**
- 39. Failing cardiac transplant Kelly Chilson and James Fehr**
- Part VII. Miscellaneous Lesions and Syndromes Joanna Rosing Paquin and Laura K. Berenstein:**
- 40. Idiopathic pulmonary hypertension Jaime Bozentka and Jennifer Lam**
- 41. Pulmonary hypertension and congenital heart disease Premal M. Trivedi**
- 42. Pulmonary hypertension of prematurity Sheila M. Rajashekera and Chandra Ramamoorthy**
- 43. Pulmonary hypertension and Moyamoya disease Timothy D. Switzer and Neil M. Goldenberg**
- 44. Vascular ring Katherine L. Zaleski**
- 45. Pericardial effusion Andrés Bacigalupo Landa and Matthew Careskey**
- 46. Kawasaki's disease Wanda C. Miller-Hance and Lori A. Aronson**
- 47. VACTERL syndrome Sana Ullah**
- 48. Hurler syndrome Erin Conner and Kirk Lalwani**
- 49. Long QT syndrome Kelly L. Grogan and Susan C. Nicolson**
- 50. Marfan's syndrome Destiny F. Chau.**