

# Conte

|   |     |
|---|-----|
| PREFACE .....   | ix  |
| 1. Embryology of the Heart and Great Vessels<br><i>by Maurice Lev, Saroja Bharati</i> .....                           | 1   |
| 2. Physiology of the Circulation<br><i>by Zia Q. Farooki, Edward W. Green</i> .....                                   | 13  |
| 3. Diagnostic Procedures<br><i>by Zia Q. Farooki, Edward W. Green</i> .....   | 19  |
| 4. Pediatric Cardiac Anesthesia<br><i>by Renato Roxas, Marvin Jewell</i> .....  | 33  |
| 5. Postoperative Care<br><i>by Eduardo Arciniegas, Mehdi Hakimi</i> .....   | 45  |
| 6. Palliative Operations<br><i>by Donald B. Doty</i> .....  | 57  |
| 7. Cardiopulmonary Bypass<br><i>by James K. Kirklin, John W. Kirklin, A. D. Pacifico</i> .....                        | 67  |
| 8. Deep Hypothermia and Total Circulatory Arrest<br><i>by James K. Kirklin, John W. Kirklin, A. D. Pacifico</i> ..... | 79  |
| 9. Intraoperative Myocardial Protection<br><i>by James K. Kirklin, John W. Kirklin, A. D. Pacifico</i> .....          | 87  |
| 10A. Coarctation of the Aorta<br><i>by Anthony L. Moulton</i> .....   | 95  |
| 10B. Interrupted Aortic Arch<br><i>by William Norwood, Aldo R. Castaneda,<br/>    Eduardo Arciniegas</i> .....        | 109 |
| 10C. Patent Ductus Arteriosus<br><i>by P. G. Ashmore</i> .....  | 113 |
| 10D. Vascular Rings<br><i>by Eduardo Arciniegas</i> .....   | 119 |

|  |     |
|--|-----|
| <b>10E. Origin of One Pulmonary Artery From the Ascending Aorta</b>                          |     |
| <i>by P. G. Ashmore</i> .....  | 129 |
| <b>11A. Atrial Septal Defect</b>   |     |
| <i>by Douglas M. Behrendt</i> .....  | 133 |
| <b>11B. Ventricular Septal Defect</b>  |     |
| <i>by Winfield J. Wells, George G. Laudesmith</i> .....                                      | 141 |
| <b>11C. The Surgical Treatment of Atrioventricular Canal Defects</b>                         |     |
| <i>by John W. Kirklin, Albert D. Pacifico, James K. Kirklin</i> .....                        | 155 |
| <b>11D. Single Ventricle With Double Inlet Atrioventricular Connection</b>                   |     |
| <i>by Albert D. Pacifico, John W. Kirklin, James K. Kirklin</i> .....                        | 171 |
| <b>12A. Right Ventricular Outflow Tract Obstruction</b>                                      |     |
| <i>by S. Subramanian</i> .....   | 185 |
| <b>12B. Left Ventricular Outflow Tract Obstruction</b>                                       |     |
| <i>by Aldo R. Castaneda, William Norwood</i> .....   | 193 |
| <b>13A. Tetralogy of Fallot</b>  |     |
| <i>by Eduardo Arciniegas</i> .....   | 203 |
| <b>13B. Surgical Treatment of Pulmonary Atresia With Ventricular Septal Defect</b>           |     |
| <i>by F. J. Puga, Gordon K. Danielson</i> .....  | 219 |
| <b>13C. Double Outlet Ventricles</b>   |     |
| <i>by Robert L. Replogle, Daniel J. Campbell, Charles D. Campbell, Rene A. Arcilla</i> ..... | 231 |
| <b>13D. Truncus Arteriosus</b>   |     |
| <i>by Hartzell V. Schaff, Gordon K. Danielson, Francisco J. Puga</i> .....                   | 247 |
| <b>13E. Complete Transposition of the Great Arteries</b>                                     |     |
| <i>by George A. Trusler, Robert M. Freedom</i> .....   | 257 |
| <b>13F. Congenitally Corrected Transposition of the Great Arteries</b>                       |     |
| <i>by William G. Williams</i> .....  | 285 |
| <b>14A. Tricuspid Atresia</b>  |     |
| <i>by Robert E. Michler, Eric A. Rose, James R. Malm</i> .....                               | 297 |

|      |  |     |
|------|--|-----|
| 14B. | Ebstein's Abnormality of the Tricuspid Valve<br>by A. R. Dobell .....  | 315 |
| 14C. | Congenital Anomalies of the Mitral Valve<br>by L. Henry Edmunds, Jr., Henry R. Wagner .....  | 325 |
| 14D. | Straddling Atrioventricular Valves<br>by Albert D. Pacifico, John W. Kirklin,<br>James K. Kirklin .....                            | 337 |
| 15A. | Anomalous Systemic Venous Drainage<br>by Frederick O. Bowman, Jr. ....   | 343 |
| 15B. | Total Anomalous Pulmonary Venous Drainage<br>by Frederick O. Bowman, Jr. ....  | 349 |
| 15C. | Partial Anomalous Pulmonary Venous Drainage<br>by Eduardo Arciniegas .....   | 361 |
| 15D. | Cor Triatriatum Sinistrum, Pulmonary Vein<br>Stenosis, and Atresia of the Common<br>Pulmonary Vein<br>by Douglas M. Behrendt ..... | 367 |
| 15E. | Cor Triatriatum Dextrum<br>by Eduardo Arciniegas .....   | 373 |
| 16A. | Aortopulmonary Window<br>by Paul A. Ebert, Eduardo Arciniegas .....  | 375 |
| 16B. | Sinus of Valsalva Aneurysm<br>by Paul A. Ebert, Eduardo Arciniegas .....   | 381 |
| 16C. | Aortic—Left Ventricular Tunnel<br>by Paul A. Ebert, Eduardo Arciniegas .....   | 385 |
| 17.  | Coronary Artery Anomalies<br>by Eduardo Arciniegas .....   | 389 |
| 18.  | Cardiac Tumors<br>by Eduardo Arciniegas .....  | 403 |
| 19.  | Diseases of the Pericardium<br>by Mehdi Hakimi, Eduardo Arciniegas .....   | 411 |
| 20.  | Cardiac Rhythm Disturbances<br>by William G. Williams, Peter S. Hesslein .....   | 419 |
| 21.  | Dextrocardia and Associated Cardiac Defects<br>by J. Michael Duncan, Denton A. Cooley .....  | 427 |

V  
CONTENTS

|     |  |     |
|-----|--|-----|
| 22. | <b>Infective Endocarditis</b><br><i>by Eduardo Arciniegas, Sandra K. Clapp</i> ..... | 441 |
| 23. | <b>Miscellaneous Cardiac Defects</b><br><i>by Eduardo Arciniegas</i> .....           | 449 |
|     | INDEX.....   | 455 |