

Contents

<i>Preface</i>	ix
<i>Acknowledgments</i>	xi
1. Synopsis of Adult Cardiac Surgical Disease	1
2. Diagnostic Techniques in Cardiac Surgery.....	121
3. General Preoperative Considerations and Preparation of the Patient for Surgery.....	173
4. Cardiac Anesthesia	217
5. Cardiopulmonary Bypass.....	283
6. Myocardial Protection	323
7. Admission to the ICU and Monitoring Techniques.....	341
8. Early Postoperative Care	363
9. Mediastinal Bleeding.....	417
10. Respiratory Management	457
11. Cardiovascular Management	513
12. Fluid Management, Renal, Metabolic, and Endocrine Problems	673
13. Post-ICU Care and Other Complications.....	737
Appendices	843
Appendix 1A American College of Cardiology Classes of Recommendation and Levels of Evidence.....	845
Appendix 1B New York Heart Association Functional Classification.....	845
Appendix 1C The Canadian Cardiovascular Society Classification for Grading of Angina.....	846
Appendix 1D Interagency Registry for Mechanically Assisted Circulatory Support (INTERMACS) Profiles of Advanced Heart Failure.....	847
Appendix 2 Typical Preoperative Order Sheet.....	848
Appendix 3 Cardiac Surgery Preoperative Assessment Checklist.....	850
Appendix 4 Typical Orders for Admission to the ICU.....	851
Appendix 5 Typical Transfer Orders from the ICU.....	854
Appendix 6 Hyperglycemia Protocol for Cardiac Surgery Patients.....	857
Appendix 7 Heparinization Protocol for Cardiac Surgery Patients	859
Appendix 8 Protocol for Initiating Warfarin.....	860
Appendix 9 INR Reversal Protocol.....	861
Appendix 10A The CHA ₂ DS ₂ -VASc Score	862

Appendix 10B The HAS-BLED Score863

Appendix 11 Drug, Food, and Dietary Supplement Interactions
with Warfarin864

Appendix 12 Doses of Parenteral Medications Commonly Used in
the ICU and Their Modifications in Renal Failure865

Appendix 13 Doses of Nonparenteral Drugs Commonly Used
After Heart Surgery and Their Modifications in
Renal Failure.....868

Appendix 14 Definitions from the STS Data Specifications (Version 4.20 2020)...874

Appendix 15 Body Surface Area Nomogram.....879

Appendix 16 Body Mass Index Chart.....880

Appendix 17 Aortic Size Index for Thoracic Aneurysms881

Appendix 18 Aortic Height Index for Thoracic Aneurysms.....882

Appendix 19 Aortic Height and Length Index for Thoracic Aneurysms883

Appendix 20 Technique of Thoracentesis884

Appendix 21 Technique for Tube Thoracostomy.....885

Index.....887