

Table of contents

Preface

List of Contributors

Introduction to Perioperative Echocardiography

1. Preoperative Evaluation of the Heart Surgery Patient

2. Hemodynamics and Cardiac Anesthesia

3. Perioperative Right Heart Abnormalities

4. Routine Cardiac Surgery and Anesthesia

5. The Complicated Patient for Cardiac Anesthesia and Surgery

6. Aortic Valve Disease

7. Mitral Valve Disease

8. Right Heart Valves and Function

9. Anesthesia for Repair of Diseases of Thoracic Aorta

10. Hypertrophic Obstructive Cardiomyopathy and Cardiac Masses

11. Ventricular Assist Devices and Heart Transplantation

12. Anesthesia for Patients with Congenital Heart Disease

13. Off-Pump, Robotic, and Minimally Invasive Heart Surgery

14. The Postoperative Care of the Cardiac Surgery Patient

15. Anesthesia in the Electrophysiology and Catheterization Laboratories

16. Coagulopathy, Bleeding, and Cardiac Anesthesia Emergencies

17. Cardiopulmonary Bypass

18. Postoperative Analgesia for Cardiac Surgery

Index