Contents

1. **Hypertension: A Growing Trend** 1
   P Manokar

2. **Economic Burden of Hypertension Heart Disease in India** 6
   RP Ram

3. **Office Blood Pressure Measurement** 12
   R Hariharakrishnan

4. **Home Blood Pressure Monitoring** 20
   R Hariharakrishnan

5. **Ambulatory Blood Pressure Measurement** 25
   Sundar Chidambaram

6. **Central Aortic Blood Pressure** 32
   P Vinodh Kumar

7. **Hypertension Hypertrophy and Heart Failure: The Continuum** 36
   T Viswanathan

8. **Hypertension and Cardiorenal Hemodynamics** 42
   Ashwin Patil, Sudhiranjan Dash

9. **Hypertension: A Risk Factor for Atherosclerosis** 47
   T Neelambujan

10. **Hypertension and Coronary Artery Disease** 54
    Meenakshi Subbiah

11. **Hypertension and Peripheral Artery Diseases** 61
    Maunil Bhuta

12. **Hypertension and Arrhythmia** 68
    Saurabh Ajit Deshpande

13. **Hypertension and Aorta: Coarctation, Dissection, and Aneurysm** 75
    J Cecily Mary Majella

14. **Biomarkers in Hypertension** 86
    P Ramachandran

15. Role of Electrocardiography and Stress Testing in Hypertensive Patients **91**
Ameya Tirodkar

16. Role of Echocardiography in Hypertensive Patients **99**
Rishikesh Shah

17. Hypertension and Hypertensive Heart Disease Prevention and Treatment with Diet **118**
Prathamesh Deorukhkar, Anita Jaiswal Ektate

18. Exercise and Physical Activity in Hypertensive Heart Disease **122**
Nilesh Tawade

19. Hypertension and Stress **126**
Nihar Mehta, Zakiya E Patni

20. Sleep and Sleep Apnea in Hypertension **131**
Arun Ranganathan, P Deepa

21. Antihypertensive Drug Therapy: Targets, Choices, and Algorithms **136**
Alok Shah

22. Follow-up in Hypertension Management **151**
Nihar Mehta, Zakiya E Patni

23. Hypertensive Emergencies **159**
S Arulrhaj, Aarathy Kannan, Manikandan, Nikhil Govind

24. Hypertension: Interventional Options **172**
Ravindran Rajendran, Vadivelu Ramalingam, Nagendra Boopathy Senguttuvan

25. Future Perspective of Hypertension **177**
Nihar Mehta, Vivek Mandurke

Index **183**