Table of Contents

Chapter 1

Coronary Interventions: A Brief History **1**

G Karthikeyan, Balram Bhargava

Chapter 2

Coronary Guidewires **6**

Rajeev Rathi

Chapter 3

Guide Catheter Selection In PCI **15**

Y Vijayachandra Reddy

Chapter 4

Tips and Tricks to Overcome Challenging Anatomies during Radial Approach **24**

Sanjay Chugh, Yashasvi Chugh, Takashi Matsukage

Chapter 5

FFR Technique and Interpretation: Step-by-Step **42**

Adrian F Low

Chapter 6

Pressure Wire... Beyond FFR **50**

Sayan Sen, Justin Er Davies

Chapter 7

IVUS—Basics and Beyond for Lesion Assessment and Result Optimization **60**

Debdatta Bhattacharyya, Ayan Kar

Chapter 8

Optical Coherence Tomographic Imaging in Cath-Lab—Basic Techniques and Interpretation **77**

G Sengottuvelu, R Ravindran

Chapter 9

Bioresorbable Vascular Scaffolds: The 4th Revolution in Interventional Cardiology and the Holy Grail to Restore Freedom **92**

Praveen Chandra, Niraj Gupta, Nagendra Chauhan

Chapter 10

Thrombus Burden and No-Reflow **107**

Poay Huan Loh, Huay Cheem Tan

Chapter 11

Technique and Role of Rotablation in Interventional Cardiology **134**

AB Mehta, Anmol Sonawane

Chapter 12

Bifurcation Coronary Lesions—Definition, Classification and Approaches to Bifurcation Management **159**

Goran Stankovic, Zlatko Mehmedbegovic, Milorad Zivkovic

Chapter 13

Tips and Tricks: Left Main PCI **175**

Shuvanan Ray, Prithwiraj Bhattacharjee, Sabyasachi Mitra

Chapter 14

Carotid Angioplasty—Step-By-Step **182**

Anil Dhall, DS Chadha, SK Malani, VS Bedi

Chapter 15

Balloon Mitral Valvuloplasty **202**

Sameer I Dani

Chapter 16

Step-by-Step Atrial Septal Defect Closure **221**

Shreepal Jain, Bharat Dalvi

Chapter 17

Renal Stenting: Rationale and Techniques **242**

Sanjay Tyagi, Subhendu Mohanty, Dhruv Tyagi

Chapter 18

Retrieval of Foreign Bodies During Cardiac Catheterization **258**

Vijay Trehan, Sanjeev Kathuria

Chapter 19

Nuclear Cardiology: Basics and Beyond **270**

Prasanta Kumar Pradhan, Shashwat Verma, Amitabh Arya