Contents

List of contributors Preface		vii xi
1	Immunoallergic syndromes in interventional cardiology Chourmouzios A Arampatzis, Giannis Kanonidis, and Patrick W Serruys	1
2	The kidney and percutaneous coronary interventions Eugenia Nikolsky, Alexander Abizaid, and Roxana Mehran	ç
3	Treatment of coronary artery disease in diabetic patients <i>Pilar Jiménez-Quevedo and Manel Sabaté Tenas</i>	27
4	Ad hoc percutaneous coronary intervention Francesco Saia, Federica Baldazzi, and Antonio Marzocchi	39
5	Dilemmas in non-ST elevation acute coronary syndromes John A Ambrose, John T Coppola, and Henning Rasmussen	49
6	Patients with impaired hemostasis requiring cardiac catheterization and coronary intervention Nicolai Mejevoi, Jean-Bernard Durand, and Marc Cohen	65
7	ST elevation acute myocardial infarction admitted in a distant location Marc C Newell, David M Larson, and Timothy D Henry	77
8	Stable obstructive coronary disease and very low left ventricular function Pedro de Araújo Gonçalves and Ricardo Seabra-Gomes	87
9	Multivessel disease in patients with acute myocardial infarction and high-risk unstable angina: culprit versus non-culprit intervention Francesco Saia and David Antoniucci	95
10	Patients requiring cardiac and non-cardiac surgical procedures following percutaneous coronary interventions <i>Gary E Lane and David R Holmes Jr</i>	111
11	Invasive treatment (percutaneous coronary intervention) of patients at high surgical risk <i>Douglass A Morrison</i>	123
12	Percutaneous coronary intervention for patients with multivessel disease Andrew TL Ong and Patrick W Serruys	135
13	Highly complex anatomical morphologies: percutaneous intervention versus bypass surgery Leonardo C Clavijo and Augusto Pichard	153

vi Contents

Index

14	Advanced atherosclerotic diseases in multiple vascular bed sites <i>Luis A Guzman and Theodore Bass</i>	163
15	The intermediate coronary lesion Pedro A Lemos, and Patrick W Serruys	185
16	Percutaneous coronary intervention in the treatment of cardiogenic shock complicating acute myocardial infarction <i>Expedito Ribeiro, Pedro E Horta, Marcus N da Gama and Eulógio E Martinez</i>	197
17	The hypotensive patient after angioplasty: occult life-threatening percutaneous coronary intervention-related complications <i>Eulógio E Martinez, Marco A Perin, and Luiz J Kajita</i>	203
18	Percutaneous treatment for patients with end-stage aortic valve disease Aamer H Jamali and Raj R Makkar	213
19	Acute coronary dissection, occlusion, and perforation during percutaneous coronary intervention: surgical, percutaneous, or medical management <i>Goran Stankovic and Antonio Colombo</i>	225
20	Septal ablation for hypertrophic cardiomyopathy: to whom, when, and how? Muzaffer Degertekin, Tugrul Okay, Fatih Bayrak, and Bülent Mutlu	233
21	End-stage left ventricular failure: potential catheter-based therapeutic strategies Emerson C Perin, Guilherme V Silva, and Pilar Jimenez-Quevedo	243
22	Massive pulmonary embolism: the potential of catheter-based strategies <i>Phillip T Zeni Jr</i>	253
23	Large thrombus burden, slow-flow, no-reflow, and distal embolization Jose A Silva and Christopher J White	261
24	The role of interventional cardiology in functional coronary stenosis Eulógio E Martinez, Nestor F Mercado, Pedro A Lemos, and Antonio Esteves Filho	283
25	Complications of drug-eluting stents: thrombosis and restenosis <i>J Eduardo Sousa and Luiz Alberto Mattos</i>	293
26	Coronary interventions in patients with antiplatelet therapy resistance Dominick J Angiolillo and Marco A Costa	305

329