

PERCUTANEOUS
CARDIAC INTERVENTIONS
TEXTBOOK

TIPS AND TRICKS
OF NEW TECHNIQUES
BEYOND STENTING

Edited by Manel Sabaté and Salvatore Brugaletta

2nd EDITION!

TABLE OF CONTENT

PART I - Tips & Tricks of Diagnostic procedures

- Vascular access: evolving from femoral to distal radial artery - *Emmanuele Barbato* **NEW**
- Groin closure devices - *Luis Ortega*
- Intravascular Ultrasound - *Hector M. Garcia-Garcia, Gianluigi De Maria*
- Intravascular ultrasound and the role of co-registration in daily practice - *Jacek Legutko* **NEW**
- Physiological assessment techniques (FFR) - *Gabor Toth*
- Physiological assessment techniques, resting indices, IFR - *Javier Escaned / Justin Davies* **NEW**
- Optical coherence tomography - *Nieves Gonzalo*
- Electromechanical mapping - *Pilar Jimenez-Quevedo*
- Intracoronary thermography - *Kostantin Toutouzas*
- Micro-circulation function assessment - *Josep Gomez-Lara* **NEW**
- Fusion imaging for PCI and structural heart disease - *Rosana Hernandez-Antolin* **NEW**

PART II - Tips & Tricks of Therapeutic procedures

- Calcified lesions treatment: (Rotablation, scoring/cutting balloon; shockwave) - *Michael Haude*
- Laser technique - *Giampaolo Niccoli* **NEW**
- Drug Coated Balloon - *Fernando Alfonso* **NEW**
- Antegrade technique for chronic total occlusions - *Masahisa Yamane*
- Retrograde technique for CTO - *Emmanouil S. Brilakis*
- ADR technique for CTO - *Gerald Werner* **NEW**
- Use of microcatheters and extension devices - *Neus Salvatella* **NEW**
- Thrombotic lesions - *Dariusz Dudek*
- SVG treatment - *Patrick Kay*
- Retrieval devices - *Goran Stankovic*
- Trans-septal puncture and percutaneous mitral valvuloplasty - *Lino Patrício*
- Ventricular assist devices (IABP, Impella, Tandem Heart) and future developments - *Josep P. Henrique*
- Patent foramen ovale closure (noble stitch) - *Achille Gaspardone*
- Atrial septal closure - *Jochen Wöhrl*
- Persistent ductus arteriosus closure - *Manuel Pan*
- Paravalvular leak closure - *Eulogio Garcia*
- Aortic coarctation treatments - *Fredy Prada*
- Left atrial appendage closure - *Xavier Freixa* **NEW**
- Balloon expanding valves - *Martine Gilard*
- Self-expanding valves - *Marco Barbanti / Azeem Latib*
- Transcatheter aortic valve implantation in difficult situations - *Didier Tchétché* **NEW**
- TAVI in special scenarios: valve-in-valve; valve-in-ring - *Nicolas Dumonteil* **NEW**
- Vascular access closure in TAVI procedures - *Nicolas van Mieghem* **NEW**
- Neurological protection during TAVI - *Cesar Moris* **NEW**
- Percutaneous mitral valve repair - *Ignacio Amat*
- Percutaneous pulmonary valve implantation - *Carlos Ruiz*
- Renal denervation - *Philipp Lurtz* **NEW**

PART III - Tips & Tricks of New developments **NEW**

- New valves for aortic stenosis treatment - *Nicolo Piazza*
- Percutaneous mitral valve replacement - *Josep Rodes-Cabau*
- Percutaneous tricuspid valve repair - *Rodrigo Estevez-Loureiro*
- Devices for heart failure treatment - *Pierfrancesco Agostoni*
- Devices for refractory angina treatment - *Francesco Giannini*

With an unrestricted educational grant from **PHILIPS**