Editorial

Quantification of Absolute Coronary Blood Flow and Microvascular Resistance
Brahim Harbaoui, MD, MSc; Olivier Muller, MD, PhD

Original Articles

Coronary Interventions

Effect of Elective Percutaneous Coronary Intervention on Hyperemic Absolute Coronary Blood Flow Volume and Microvascular Resistance
Yoshihisa Kanaji, MD; Tadashi Murai, MD; Taishi Yonetsu, MD; Eisuuke Usui, MD; Makoto Araki, MD; Junji Matsuda, MD; Masahiro Hoshino, MD; Masao Yamaguchi, MD; Takayuki Niida, MD; Masahiro Hada, MD; Sadamitsu Ichijo, MD; Rikuta Hamaya, MD; Yoshinori Kanno, MD; Mitsuaki Isobe, MD, PhD; Tsunekazu Kakuta, MD, PhD

Impact of Stent Size Selection on Acute and Long-Term Outcomes After Drug-Eluting Stent Implantation in De Novo Coronary Lesions
Hideki Kitahara, MD, PhD; Kozo Okada, MD, PhD; Takumi Kimura, MD, PhD; Paul G. Yock, MD; Alexandra J. Lansky, MD; Jeffrey J. Popma, MD; Alan C. Yeung, MD; Peter J. Fitzgerald, MD, PhD; Yasuhiro Honda, MD

Coronary Physiologic Assessment and Imaging

Influence of Contrast Media Dose and Osmolality on the Diagnostic Performance of Contrast Fractional Flow Reserve
Takeshi Nishi, MD; Nils P. Johnson, MD, MS; Bernard De Bruyne, MD, PhD; Colin Berry, MBChB, PhD; K. Lance Gould, MD; Allen Jeremias, MD, MSc; Keith G. Oldroyd, MBChB, MD; Yuhei Kobayashi, MD; Dong-Hyun Choi, MD; Nico H.J. Pijls, MD, PhD; William F. Fearon, MD; on behalf of the CONTRAST Study Investigators

Role of Proximal Optimization Technique Guided by Intravascular Ultrasound on Stent Expansion, Stent Symmetry Index, and Side-Branch Hemodynamics in Patients With Coronary Bifurcation Lesions
Diaa Hakim, MD; Arka Chatterjee, MD; Oluasuen Alli, MD; Joshua Turner, MD; Assad Sattar, MD; Nicolas Foin, PhD; Massoud A. Leesar, MD

Structural Heart Disease

Comparative Outcomes of Patients With Advanced Renal Dysfunction Undergoing Transcatheter Aortic Valve Replacement in the United States From 2011 to 2014
Divyanshu Mohananey, MD; Brian P. Griffin, MD; Lars G. Svensson, MD, PhD; Zoran B. Popovic, MD, PhD; E. Murat Tuzcu, MD; L. Leonardo Rodriguez, MD; Samir R. Kapadia, MD; Milind Y. Desai, MD