Editorial

Quantification of Absolute Coronary Blood Flow and Microvascular Resistance
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e005916

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; Eisuke 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

e005073

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

e004795

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. Pijs, MD, PhD; William F. Fearon, MD

on behalf of the CONTRAST Study Investigators

e004985

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; Olusuen Alli, MD; Joshua Turner, MD; Assad Sattar, MD; Nicolas Foin, PhD; Massoud A. Leesar, MD

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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

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Alexander C. Fanaroff, MD; Pratik Manandhar, MS; David R. Holmes, MD; David J. Cohen, MD, MSc; J. Kevin Harrison, MD; G. Chad Hughes, MD; Vinod H. Thourani, MD; Michael J. Mack, MD; Matthew W. Sherwood, MD, MHS; W. Schuyler Jones, MD; Sreekanth Vemulapalli, MD

Advances in Interventional Cardiology
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Claire E. Raphael, MBBS, PhD; Mohamad Alkhouli, MD; Elad Maor, MD, PhD; Sidakpal S. Panaich, MD; Oluseun Alli, MD; Megan Coylewright, MD; Guy S. Reeder, MD; Gurpreet Sandhu, MD, PhD; David R. Holmes, MD; Rick Nishimura, MD; Joseph Malouf, MD; Allison Cabalka, MD; Mackram F. Eleid, MD; Charanjit S. Rihal, MD, MBA

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Letter by Uretsky et al Regarding Article, “Prognostic Value of Fractional Flow Reserve Measured Immediately After Drug-Eluting Stent Implantation”
Barry F. Uretsky, MD; Shiv K. Agarwal, MD; Abdul Hakeem, MD

Response by Piroth et al to Letter Regarding Article, “Prognostic Value of Fractional Flow Reserve Measured Immediately After Drug-Eluting Stent Implantation”
Zsolt Piroth, MD; Gabor G. Toth, MD, PhD; Pim A.L. Tonino, MD, PhD; Emanuele Barbato, MD, PhD; Soheila Aghlmandi, MSc, PhD; Nick Curzen, MD, PhD; Gilles Rioufol, MD, PhD; Nico H.J. Pijls, MD, PhD; William F. Fearon, MD; Peter Juni, MD; Bernard De Bruyne, MD, PhD