Editor's Perspective

Noninferiority Trials in Interventional Cardiology
Dhaval Kolte, MD, PhD; Herbert D. Aronow, MD, MPH; J. Dawn Abbott, MD

Editorials

Platelet Transfusion for Ticagrelor Reversal
Paul Kruger, MBBS, FRACP, FRCPA; Noel Chan, MBBS, FRACP, FRCPA;
John W. Eikelboom, MBBS, MSc, FRCPC

Rather Thick, Yet Antithrombogenic: Is the Magmaris Scaffold a New Hope for Bioresorbable Coronary Scaffold?
Yoshinobu Onuma, MD, PhD; Patrick W. Serruys, MD, PhD

Radiation Exposure in Cardiac Catheterization: Operator Behavior Matters
Taisei Kobayashi, MD; John W. Hirshfeld, Jr, MD

Combining Transcatheter Aortic Valve Replacement and Coronary Angiography/Percutaneous Coronary Intervention Procedures: Ready for Prime Time?
Josep Rodés-Cabau, MD

Original Articles

Congenital Heart Disease

Closure of Secundum Atrial Septal Defects With the AMPLATZER Septal Occluder: A Prospective, Multicenter, Post-Approval Study
Daniel R. Turner, MD, FAAP, FACC; Carl Owada, MD, FACC, FSCAI; Charlie J. Sang, Jr, MD;
Muhammad Khan, MD, FAAP, FACC, FSCAI; D. Scott Lim

Coronary Artery Disease

Low Endothelial Shear Stress Predicts Evolution to High-Risk Coronary Plaque Phenotype in the Future: A Serial Optical Coherence Tomography and Computational Fluid Dynamics Study
Erika Yamamoto, MD, PhD; Gerasimos Siasos, MD, PhD; Marina Zaromytidou, MD, PhD;
Ahmet U. Coskun, PhD; Lei Xing, MD, PhD; Krzysztof Bryniarski, MD, PhD; Thomas Zanchin, MD;
Tomoyo Sugiyama, MD, PhD; Hang Lee, PhD; Peter H. Stone, MD; Ik-Kyung Jang, MD, PhD

Impact of Timing on the Functional Recovery Achieved With Platelet Supplementation After Treatment With Ticagrelor
M. Urooj Zafar, MBBS; Donald A. Smith, MD; Usman Baber, MD; Samantha Sartori, PhD; Kevin Chen, BS;
David W. Lam, MD; Carlos A. Linares-Koloffon, MD; Juan Rey-Mendoza, MD; Gustavo Jimenez Britz, MD;
Gines Escolar, MD, PhD; Valentin Fuster, MD, PhD; Juan J. Badimon, PhD
Coronary Interventions

Comparison of Acute Thrombogenicity for Metallic and Polymeric Bioabsorbable Scaffolds: Magmaris Versus Absorb in a Porcine Arteriovenous Shunt Model
Ron Waksman, MD; Michael J. Lipinski, MD, PhD; Eduardo Acampado, DVM; Qi Cheng, MD; Lila Adams, AS; Sho Torii, MD; Jiaxiang Gai, MSPH; Rebecca Torguson, MPH; David M. Hellinga, MSc; Peter C. Westman, BA; Michael Joner, MD; Philine Zumstein, BSBT; Frank D. Kolodgie, PhD; Renu Virmani, MD .......................... e004762

Prognostic Value of Fractional Flow Reserve Measured Immediately After Drug-Eluting Stent Implantation
Zsolt Piroth, MD; Gabor G. Toth, MD, PhD; Pin A.L. Tonino, MD, PhD; Emanuele Barbato, MD, PhD; Soheila Aghimandi, MSc, PhD; Nick Curzen, MD, PhD; Gilles Rioufol, MD, PhD; Nico H.J. Pijls, MD, PhD; William F. Fearon, MD; Peter Jüni, MD; Bernard De Bruyne, MD, PhD .......................... e005233

Time-Course Reduction in Patient Exposure to Radiation From Coronary Interventional Procedures:
The Greater Paris Area Percutaneous Coronary Intervention Registry
Jean-Louis Georges, MD, MPH; Nicole Karam, MD, PhD; Muriel Tafflet, PhD; Bernard Livarek, MD; Sophie Bataille, MD; Aurélie Loyeau, MSc; Mireille Mapouata, MSc; Hakim Benamer, MD; Christophe Caussin, MD; Philippe Garot, MD; Olivier Varenne, MD, PhD; Franck Barbou, MD; Emmanuel Teiger, MD, PhD; François Funck, MD; Gaëtan Karrillon, MD; Yves Lambert, MD; Christian Spaudding, MD, PhD; Xavier Jouven, MD, PhD; for the CARDO-ARSIF Registry Investigators .......................... e005268

Pharmacology

Cangrelor in Older Patients Undergoing Percutaneous Coronary Intervention: Findings From
CHAMPION PHOENIX
Matthew A. Cavender, MD, MPH; Deepak L. Bhatt, MD, MPH; Gregg W. Stone, MD; P. Gabriel Steg, MD; C. Michael Gibson, MD; Christian W. Hamm, MD; Matthew J. Price, MD; Jayne Prats, PhD; Steven Elkin, MS; Efthymios Deliargyris, MD; Kenneth W. Mahaffey, MD; Harvey D. White, DSc; Robert A. Harrington, MD; on behalf of the CHAMPION PHOENIX Investigators .......................... e005257

Structural Heart Disease

Optimized Screening of Coronary Artery Disease With Invasive Coronary Angiography and Ad Hoc Percutaneous Coronary Intervention During Transcatheter Aortic Valve Replacement
Marco Barbanti, MD; Denise Todaro, MD; Giuliano Costa, MD; Gerlando Piloto, MD; Andrea Picci, MD; Simona Gulino, MD; Piera Capranzano, MD; Ketty La Spina, MD; Emanuela Di Simone, MD; Paolo D’Arrigo, MD; Wanda Deste, MD; Antonino Indelicato, MD; Stefano Cannata, MD; Daniela Giannazzo, MD; Sebastiano Immè, MD; Claudia Tamburino, MD; Martina Patanè, MD; Sergio Buccheri, MD; Davide Capodanno, MD, PhD; Carmelo Sgroi, MD; Corrado Tamburino, MD, PhD .......................... e005234

Advances in Interventional Cardiology

Low-Flow Severe Aortic Stenosis: Evolving Role of Transcatheter Aortic Valve Replacement
Matthew D. Saybolt, MD; Paul N. Fiorilli, MD; Zachary M. Gertz, MD; Howard C. Herrmann, MD .......................... e004838

Letters to the Editor

Letter by Garcia-Moll Regarding Article, “Glycemic Control Status After Percutaneous Coronary Intervention and Long-Term Clinical Outcomes in Patients With Type 2 Diabetes Mellitus”
Xavier Garcia-Moll, MD, MSc, FESC .......................... e005411

Response by Hwang et al to Letter Regarding Article, “Glycemic Control Status After Percutaneous Coronary Intervention and Long-Term Clinical Outcomes in Patients With Type 2 Diabetes Mellitus”
Jin Kyung Hwang, MD, PhD; Seung Hwa Lee, MD; Young Bin Song, MD, PhD; Joonghyun Ahn, MS; Keunhee Carriere, MS, PhD; Mi Ja Jang, RN; Taek Kyu Park, MD; Seung-Hyuk Choi, MD, PhD; Jeong Hoon Yang, MD, PhD; Jin-Ho Choi, MD, PhD; Sang Hoon Lee, MD, PhD; Hyeon-Cheol Gwon, MD, PhD; Joo-Yong Hahn, MD, PhD .......................... e005616
Nicholas G. Kounis, MD, PhD; Ioanna Koniari, MD, PhD; George Hahalis, MD, PhD

Ahmed N. Mahmoud, MD; Amr F. Barakat, MD; Akram Y. Elgendy, MD; Erik Schneibel, MD; Amgad Mentias, MD; Ahmed Abuazid, MD; Islam Y. Elgendy, MD

Letter by Calabrò and Gragnano Regarding Article, “Dual Antiplatelet Therapy Continuation Beyond 1 Year After Drug-Eluting Stents: A Meta-Analysis of Randomized Trials”
Paolo Calabrò, MD, PhD; Felice Gragnano, MD