Editor’s Perspective
Variability in the Use of Invasive Services: Sign of Poor Quality of Care or an Opportunity to Improve Care? p 133

Editorials
Identifying Patients Who Do Not Benefit From Transcatheter Aortic Valve Replacement p 136
Routine Pressure Wire Assessment at Time of Diagnostic Angiography: Is It Ready for Prime Time? p 139

Original Articles
Feasibility and Short-Term Outcomes of Percutaneous Transcatheter Pulmonary Valve Replacement in Small (<30 kg) Children With Dysfunctional Right Ventricular Outflow Tract Conduits p 142
Thermolocal-Derived Coronary Blood Flow Pattern Immediately After Coronary Intervention as a Predictor of Microcirculatory Damage and Midterm Clinical Outcomes in Patients With ST-Segment–Elevation Myocardial Infarction p 149
Intracoronary Stem Cell Infusion After Acute Myocardial Infarction: A Meta-Analysis and Update on Clinical Trials p 156
Late Adverse Events After Implantation of Sirolimus-Eluting Stent and Bare-Metal Stent: Long-Term (5–7 Years) Follow-Up of the Coronary Revascularization Demonstrating Outcome Study-Kyoto Registry Cohort-2 p 168
Incomplete Stent Apposition Causes High Shear Flow Disturbances and Delay in Neointimal Coverage as a Function of Strut to Wall Detachment Distance: Implications for the Management of Incomplete Stent Apposition p 180
Risk of Acute Kidney Injury After Percutaneous Coronary Interventions Using Radial Versus Femoral Vascular Access: Insights From the Blue Cross Blue Shield of Michigan Cardiovascular Consortium p 190
Optical Coherence Tomographic Evaluation of Transplant Coronary Artery Vasculopathy With Correlation to Cellular Rejection p 199
Safety and Efficacy of a Potential Treatment Algorithm by Using Manual Compression Repair and Ultrasound-Guided Thrombin Injection for the Management of Iatrogenic Femoral Artery Pseudoaneurysm in a Large Patient Cohort p 207
Prevention of Contrast-Induced Nephropathy With N-Acetylcysteine or Sodium Bicarbonate in Patients With ST-Segment–Myocardial Infarction: A Prospective, Randomized, Open-Labeled Trial p 216
Remote Ischemic Postconditioning During Percutaneous Coronary Interventions: Remote Ischemic Postconditioning–Percutaneous Coronary Intervention Randomized Trial p 225
Onset of Antiplatelet Action With High (100 mg) Versus Standard (60 mg) Loading Dose of Prasugrel in Patients With ST-Segment–Elevation Myocardial Infarction Undergoing Primary Percutaneous Coronary Intervention: Pharmacodynamic Study p 233
Prognostic Implications of Pulmonary Hypertension in Patients With Severe Aortic Stenosis Undergoing Transcatheter Aortic Valve Implantation: Study From the FRANCE 2 Registry p 240
Does Routine Pressure Wire Assessment Influence Management Strategy at Coronary Angiography for Diagnosis of Chest Pain?: The RIPCORD Study p 248

Advances in Interventional Cardiology
Venous Interventions p 256

Images and Case Reports in Interventional Cardiology
Early Aneurysm Formation After Everolimus-Eluting Stent Implantation p 266
Percutaneous Bicaval Valve Implantation for Transcatheter Treatment of Tricuspid Regurgitation: Clinical Observations and 12-Month Follow-Up p 268