In press

2017

**Effect of PCSK9 Inhibitors on Clinical Outcomes in Patients With Hypercholesterolemia: A Meta-Analysis of 35 Randomized Controlled Trials**
Journal of American Heart Association, December 2017

**A Meta-Analysis of Contemporary Lesion Modification Strategies During Percutaneous Coronary Intervention in 244,795 Patients From 22 Studies**
Journal of Invasive Cardiology, December 2017

**Improvement in Aortic Valve Area in Patients With Aortic Stenosis Through Use of a New "Hourglass-Shaped" Valvuloplasty Balloon**
Journal of Invasive Cardiology, December 2017

**Contemporary arterial access in the cardiac catheterization laboratory**
JACC: Cardiovascular Interventions, November 2017

**Transfemoral approach for coronary angiography and interventions: a collaboration of international cardiovascular societies**
JACC Cardiovascular Interventions, November 2017

**Orbital atherectomy for the treatment of severely calcified coronary lesions: evidence, technique, and best practices**
Expert Review of Medical Devices, November 2017
Rationale and design of the Drug-Eluting Stents vs Bare-Metal Stents in Saphenous Vein Graft Angioplasty (DIVA) Trial
Clinical Cardiology, November 2017

Covered stent implantation through a single 8-french guide catheter for the management of a distal coronary perforation
Sandoval Y, Lobo AS, Brilakis ES
Catheterization and Cardiovascular Interventions, October 2017

Incidence, Treatment, and Outcomes of Coronary Perforation During Chronic Total Occlusion Percutaneous Coronary Intervention
American Journal of Cardiology, October 2017

Impact of crossing strategy on mid-term outcomes following percutaneous revascularization of coronary chronic total occlusions
EuroIntervention, October 2017

Comparison of the American College of Cardiology/American Heart Association and the European Society of Cardiology Guidelines for the Management of Patients With Valvular Heart Disease
Journal of Invasive Cardiology, September 2017

The Impact of Proximal Vessel Tortuosity on the Outcomes of Chronic Total Occlusion Percutaneous Coronary Intervention: Insights From a Contemporary Multicenter Registry
Patients with cirrhosis who have coronary artery disease treated with cardiac stents have high rates of gastrointestinal bleeding, but no increased mortality
Krill T, Brown G, Weideman RA, Cipher DJ, Spechler SJ, Brilakis E and Feagins LA
Alimentary Pharmacology & Therapeutics, July 2017

Impact of Calcium on Chronic Total Occlusion Percutaneous Coronary Interventions
American Journal of Cardiology, July 2017

Further validation of the hybrid algorithm for CTO PCI; difficult lesions, same success
Cardiovascular Revascularization Medicine, July 2017

Coronary artery spatial distribution of chronic total occlusions: insights from a large US registry
Catheterization and Cardiovascular Interventions, July 2017

Prevalence, indications and management of balloon uncrossable chronic total occlusions: Insights from a contemporary multicenter US registry
Catheterization and Cardiovascular Interventions, July 2017

Comparison of the American College of Cardiology/American Heart Association and the European Society of Cardiology guidelines for the management of patients with non-ST-segment elevation acute coronary syndromes
Coronary Artery Disease, June 2017

Real-time fusion of coronary CT angiography with x-ray fluoroscopy during chronic total occlusion PCI
Ghosshajra BB, Takx RAP, Stone LL, Girard EE, Brilakis ES, Lombardi WL, Yeh RW and
Jaffer FA
European Radiology, June 2017

**Major Limb Outcomes Following Lower Extremity Endovascular Revascularization in Patients With and Without Diabetes Mellitus**
Journal of Endovascular Therapy, June 2017

**Utility of near-infrared spectroscopy for detection of thin-cap neoatherosclerosis**
European Heart Journal Cardiovascular Imaging, June 2017

**Feasibility and safety of of same-day discharge after complex percutaneous coronary intervention using forearm approach**
Koutouzis M, Karatasakis A, Brilakis ES, Agelaki M, Maniotis C, Dimitriou P, Lazaris E
Cardiovascular Revascularization Medicine, June 2017

**Contemporary Incidence, Management, and Allahwala Percutaneous Coronary Interventions for Chronic Coronary Artery Total Occlusions: Insights From the VA CART Program**
Tsai TT, Stanislawski MA, Shunk KA, Armstrong EJ, Grunwald GK, Schob AH, Valle JA, Alfonso CE, Nallamothu BK, Ho PM, Rumsfeld JS and Brilakis ES
JACC Cardiovascular Interventions, May 2017

**Saphenous vein graft near-infrared spectroscopy imaging insights from the lipid core plaque association with clinical events near-infrared spectroscopy (ORACLE-NIRS) registry**
Catheterization and Cardiovascular Interventions, May 2017

**Management of Guidewire Entrapment With Laser Atherectomy**
Karacsonyi J, Martinez-Parachini JR, Danek BA, Karatasakis A, Ungi I, Banerjee S, Brilakis ES
Journal of Invasive Cardiology, May 2017

**Comparative Efficacy of Endovascular Revascularization Versus Supervised Exercise Training in Patients With Intermittent Claudication: Meta-Analysis of Randomized Controlled Trials**
Predictors of Excess Patient Radiation Exposure During Chronic Total Occlusion Coronary Intervention: Insights From a Contemporary Multicentre Registry
Canadian Journal of Cardiology, April 2017

Impact of diabetes mellitus on acute outcomes of percutaneous coronary intervention in chronic total occlusions: insights from a US multicentre registry
Diabetic Medicine, April 2017

Impact of Chronic Total Occlusions on Revascularization Scores and Outcome Prediction
Journal of Invasive Cardiology, April 2017

The Impact of Age and Sex on In-Hospital Outcomes of Chronic Total Occlusion Percutaneous Coronary Intervention
Journal of Invasive Cardiology, April 2017

Percutaneous revascularization of chronic total occlusions: Rationale, indications, techniques, and the cardiac surgeon's point of view
International Journal of Cardiology, March 2017

Procedural and longer-term outcomes of wire- versus device-based antegrade dissection and re-entry techniques for the percutaneous revascularization of coronary chronic total occlusions
International Journal of Cardiology, March 2017
Guidewire and microcatheter utilization patterns during antegrade wire escalation in chronic total occlusion percutaneous coronary intervention: Insights from a contemporary multicenter registry
Catheterization and Cardiovascular Interventions, March 2017

Percutaneous coronary intervention of chronic total occlusion improves peak oxygen uptake during cardiopulmonary exercise testing
Journal of Invasive Cardiology, March 2017

Comparison of lower extremity endovascular interventions outcomes in women versus men
Jeon-Slaughter H, Tsai S, Kamath P, Shammas NW, Brilakis ES, Banerjee S
American Journal of Cardiology, February 2017

Management of guidewire-induced distal coronary perforation using autologous fat particles versus coil embolization
Shemisa K, Karatasakis A, Brilakis ES
Catheterization and Cardiovascular Interventions, February 2017

“Subintimal external crush” technique for a “balloon uncrossable” chronic total occlusion
Christopoulos G, Kotsia AP, Rangan BV, Vo M, Alaswad K, Karmpaliotis D, Banerjee S, Brilakis ES
Cardiovascular Revascularization Medicine, January 2017

Approach to CTO Intervention: Overview of Techniques
Current Treatment Options in Cardiovascular Medicine, January 2017

2016

Frequency of Increase in Cardiac Troponin Levels After Peripheral Arterial Operations (Carotid Endarterectomy, Abdominal Aorta Procedure, Distal Bypass) and Their Effect on Medical Management
Approaches to percutaneous coronary intervention of right coronary artery chronic total occlusions: insights from a multicenter US registry
EuroIntervention, December 2016