

# Circulation

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Association Journal

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## FRAME OF REFERENCE


### On My Mind

**The Long and Winding Road After FDA Approval: A Medical Device Industry Perspective** 1877  
*Kenneth M. Stein, MD*

### Perspective

**India and the Coronary Stent Market: Getting the Price Right** 1879  
*Priya Wadhwa, MS; Thomas Alexander, MD; Brahmajee K. Nallamothu, MD, MPH*

## ORIGINAL RESEARCH ARTICLES

**Cardiac Outcomes After Ischemic Stroke or Transient Ischemic Attack: Effects of Pioglitazone in Patients With Insulin Resistance Without Diabetes Mellitus** 1882   
*Lawrence H. Young, MD; Catherine M. Viscoli, PhD; Jephtha P. Curtis, MD; Silvio E. Inzucchi, MD; Gregory G. Schwartz, MD; Anne M. Lovejoy, PAC; Karen L. Furie, MD; Mark J. Gorman, MD; Robin Conwit, MD; J. Dawn Abbott, MD; Daniel L. Jacoby, MD; Daniel M. Kolansky, MD; Steven E. Pfau, MD; Frederick S. Ling, MD; Walter N. Kernan, MD; for the IRIS Investigators*

### Editorial

**New Hope For People With Dysglycemia and Cardiovascular Disease Manifestations: Reduction of Acute Coronary Events With Pioglitazone** 1894  
*Lars Rydén, MD, PhD; Linda Mellbin, MD, PhD*

**Quality of Care at Hospitals Identified as Outliers in Publicly Reported Mortality Statistics for Percutaneous Coronary Intervention** 1897  
*Stephen W. Waldo, MD; James M. McCabe, MD; Kevin F. Kennedy, MS; Corwin M. Zigler, PhD; Duane S. Pinto, MD; Robert W. Yeh, MD, MSc*

### Editorial

**Response to Outlier Status: Lessons From Public Reporting for Percutaneous Coronary Intervention** 1908  
*Karen E. Joynt, MD, MPH*

**Serial Measurement of High-Sensitivity Troponin I and Cardiovascular Outcomes in Patients With Type 2 Diabetes Mellitus in the EXAMINE Trial (Examination of Cardiovascular Outcomes With Alogliptin Versus Standard of Care)** 1911  
*Matthew A. Cavender, MD, MPH; William B. White, MD; Petr Jarolim, MD, PhD; George L. Bakris, MD; William C. Cushman, MD; Stuart Kupfer, MD; Qi Gao, MS; Cyrus R. Mehta, PhD; Faiez Zannad, MD; Christopher P. Cannon, MD; David A. Morrow, MD, MPH*

**$\beta_2$ -Glycoprotein I/IgA Immune Complexes: A Marker to Predict Thrombosis After Renal Transplantation in Patients With Antiphospholipid Antibodies** 1922  
*Manuel Serrano, MD; José A. Martínez-Flores, PhD; Dolores Pérez, BS; Florencio García, MD, PhD; Oscar Cabrera, MD; Daniel Pleguezuelo, MD; Estela Paz-Artal, MD, PhD; José M. Morales, MD, PhD; Esther González, MD, PhD; Antonio Serrano, MD, PhD*

### On the Cover: *Circulation* Doodle

This month's doodle is in recognition of American Stroke Month. You don't need superpowers to be a Stroke Hero. You can be a Stroke Hero by knowing F.A.S.T., the warning signs of stroke: Facial Drooping, Arm Weakness, Speech Difficulties, and Time to Call 911.

For more information about the doodle, go to <http://circ.ahajournals.org/content/circulation-cover-doodle>.



## ORIGINAL RESEARCH ARTICLES

### Dipeptidyl Peptidase-4 Induces Aortic Valve Calcification by Inhibiting Insulin-Like Growth Factor-1 Signaling in Valvular Interstitial Cells

 1935

Bongkun Choi, PhD; Sahmin Lee, MD, PhD; Sang-Min Kim, MS; Eun-Jin Lee, PhD; Sun Ro Lee, BS; Dae-Hee Kim, MD, PhD; Jeong Yoon Jang, MD; Sang-Wook Kang, PhD; Ki-Up Lee, MD; Eun-Ju Chang, PhD; Jae-Kwan Song, MD, PhD



#### Editorial

### A Rock and a Hard Place: Chiseling Away at the Multiple Mechanisms of Aortic Stenosis

 1951

Elena Aikawa, MD, PhD; Peter Libby, MD

## STATE OF THE ART

#### White Paper

### Stress Testing in Asymptomatic Aortic Stenosis

 1956

Björn Redfors, MD, PhD; Philippe Pibarot, DVM, PhD; Linda D. Gillam, MD, MPH; Daniel Burkhoff, MD, PhD; Jeroen J. Bax, MD, PhD; Brian R. Lindman, MD, MSCI; Robert O. Bonow, MD, MS; Patrick T. O'Gara, MD; Martin B. Leon, MD; Philippe Généreux, MD

## CASES AND TRACES

#### ECG Challenge

### Winter Is Coming After a Cardiac Arrest

 1977

Ana Fernandez-Vega, MD; Pedro Martínez-Losas, MD; Francisco J. Noriega, MD, PhD; Antonio Fernandez-Ortiz, MD, PhD; Corina Biagioni, MD; Alejandro Cruz-Utrilla, MD; Pablo Martínez-Vives, MD; Daniel García-Arribas, MD; Ana Viana-Tejedor, MD, PhD

## CORRESPONDENCE

#### Research Letter

### Primary Prevention With Statin Therapy in the Elderly: New Meta-Analyses From the Contemporary JUPITER and HOPE-3 Randomized Trials

 1979

Paul M Ridker, MD; Eva Lonn, MD; Nina P. Paynter, PhD; Robert Glynn, ScD; Salim Yusuf, MD

### Primary Stable Microvascular Angina: A Long-Term Clinical Follow-Up Study

 1982

Gaetano Antonio Lanza, MD; Monica Filice, MD; Antonio De Vita, MD; Priscilla Lamendola, MD; Angelo Villano, MD; Francesco Spera, MD; Michele Golino, MD; Elisabetta Rota, MD; Alessia Argirò, MD; Filippo Crea, MD

#### Correspondence

### Letter by Ma et al Regarding Article, "Neuroprotective Effects of the Glucagon-Like Peptide-1 Analog Exenatide After Out-of-Hospital Cardiac Arrest: A Randomized Controlled Trial"

 e1042

Lei-Lei Ma, MD; Fei-Juan Kong, MD; Jun-Bo Ge, MD

### Response by Wiberg et al to Letter Regarding Article, "Neuroprotective Effects of the Glucagon-Like Peptide-1 Analog Exenatide After Out-of-Hospital Cardiac Arrest: A Randomized Controlled Trial"

 e1044

Sebastian Wiberg, MD; Christian Hassager, MD, DMSc; Jesper Kjaergaard, MD, PhD, DMSc

### Letter by Tunçez et al Regarding Article, "Identifying Patients at Risk for Prehospital Sudden Cardiac Arrest at the Early Phase of Myocardial Infarction: The e-MUST Study (Evaluation en Médecine d'Urgence des Stratégies Thérapeutiques des infarctus du myocarde)"

 e1046

Abdullah Tunçez, MD; Muhammed Salih Ateş, MD; Hüseyin Tezcan, MD



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## CORRESPONDENCE

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**Response by Karam et al to Letter Regarding Article, “Identifying Patients at Risk for Prehospital Sudden Cardiac Arrest at the Early Phase of Myocardial Infarction: The e-MUST Study (Evaluation en Médecine d’Urgence des Stratégies Thérapeutiques des infarctus du myocarde)”**

e1048

*Nicole Karam, MD, MPH; Sophie Bataille, MD; Eloi Marijon, MD, PhD; Muriel Tafflet, MPH; Frederic Lapostolle, MD; Christian Spaulding, MD, PhD; Xavier Jouven, MD, PhD; Yves Lambert, MD; For the e-MUST Study Investigators*

**Letter by Rottenberg Regarding Article, “Conventional Versus Compression-Only Versus No Bystander Cardiopulmonary Resuscitation for Pediatric Out-of-Hospital Cardiac Arrest”**

e1050

*Eric M. Rottenberg, AAS*



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