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Editorials

Stroke Prevention in Atrial Fibrillation in the Very Elderly: Anticoagulant Therapy Is No Longer a Sin

Jack Ansell

e006864. DOI: 10.1161/JAHA.117.006864.

Initial Diagnostic Evaluation of Stable Coronary Artery Disease: The Need for a Patient-Centered Strategy

Robert C. Hendel, Ahmad Y. Jabbar, and Indrajeet Mahata

e006863. DOI: 10.1161/JAHA.117.006863.

Can Healthcare Expansion Rapidly Reduce Out-of-Hospital Cardiac Arrest?

Mary Fran Hazinski and Carole R. Myers

e006552. DOI: 10.1161/JAHA.117.006552.

Omega-3 Fatty Acids (Fish Oil) Supplementation and Albuminuria: Not a Slam Dunk

Sankar D. Navaneethan and Salim S. Virani

e006020. DOI: 10.1161/JAHA.117.006020.

Increasing National Institutes of Health Funding for Cardiac Arrest Research

Clifton W. Callaway

e006739. DOI: 10.1161/JAHA.117.006739.

Original Research

Arrhythmia and Electrophysiology

Digoxin Use and Subsequent Clinical Outcomes in Patients With Atrial Fibrillation With or Without Heart Failure in the ENGAGEAF-TIMI 48 Trial

Alon Eisen, Christian T. Ruff, Eugene Braunwald, Rose A. Hamershock, Basil S. Lewis, Christian Hassager, Tze-Fan Chao, Jean Yves Le Heuzey, Michele Mercuri, Howard Rutman, Elliott M. Antman, and Robert P. Giugliano

e006035. DOI: 10.1161/JAHA.117.006035.

Prospective Assessment of Sex-Related Differences in Symptom Status and Health Perception Among Patients With Atrial Fibrillation

Steffen Blum, Christoph Muff, Stefanie Aeschbacher, Peter Ammann, Paul Erne, Giorgio Moschovitis, Marcello Di Valentino, Dipen Shah, Jürg Schläpfer, Andreas Fischer, Tamara Merkel, Michael Kühne, Christian Sticherling, Stefan Osswald, and David Conen

e005401. DOI: 10.1161/JAHA.116.005401.

Obstructive and Central Sleep Apnea and the Risk of Incident Atrial Fibrillation in a Community Cohort of Men and Women

Patricia Tung, Yamini S. Levitzky, Rui Wang, Jia Weng, Stuart F. Quan, Daniel J. Gottlieb, Michael Rueschman, Naresh M. Punjabi, Reena Mehra, Suzie Bertisch, Emelia J. Benjamin, and Susan Redline

e004500. DOI: 10.1161/JAHA.116.004500.

Association of Proteinuria and Incident Atrial Fibrillation in Patients With Intact and Reduced Kidney Function

Amber O. Molnar, Anan Bader Eddeen, Robin Ducharme, Amit X. Garg, Ziv Harel, Megan K. McCallum, Jeffrey Perl, Ron Wald, Deborah Zimmerman, and Manish M. Sood

e005685. DOI: 10.1161/JAHA.117.005685.

Redox and Activation of Protein Kinase A Dysregulates Calcium Homeostasis in Pulmonary Vein Cardiomyocytes of Chronic Kidney Disease

Shih-Yu Huang, Yao-Chang Chen, Yu-Hsun Kao, Ming-Hsiung Hsieh, Yung-Kuo Lin, Shih-Ann Chen, and Yi-Jen Chen

e005701. DOI: 10.1161/JAHA.117.005701.

Intensive Exercise Training Improves Cardiac Electrical Stability in Myocardial-Infarcted Rats

Horesh Dor-Haim, Chaim Lotan, Michal Horowitz, and Moshe Swissa
e005989. DOI: 10.1161/JAHA.117.005989.

Thromboembolic Risk, Bleeding Outcomes and Effect of Different Antithrombotic Strategies in Very Elderly Patients With Atrial Fibrillation: A Sub-Analysis From the PREFER in AF (*PRE*vention o*F* Thromboembolic Events–*European Registry in Atrial Fibrillation*)

Giuseppe Patti, Markus Lucerna, Ladislav Pecen, Jolanta M. Siller-Matula, Ilaria Cavallari, Paulus Kirchhof, and Raffaele De Caterina
e005657. DOI: 10.1161/JAHA.117.005657.

Atherogenic Lipoprotein Determinants of Cardiovascular Disease and Residual Risk Among Individuals With Low Low-Density Lipoprotein Cholesterol

Patrick R. Lawler, Akintunde O. Akinkuolie, Audrey Y. Chu, Svati H. Shah, William E. Kraus, Damian Craig, Latha Padmanabhan, Robert J. Glynn, Paul M. Ridker, Daniel I. Chasman, and Samia Mora
e005549. DOI: 10.1161/JAHA.117.005549.

Correlates of Dementia and Mild Cognitive Impairment in Patients With Atrial Fibrillation: The Atherosclerosis Risk in Communities Neurocognitive Study (ARIC-NCS)

Alvaro Alonso, David S. Knopman, Rebecca F. Gottesman, Elsayed Z. Soliman, Amit J. Shah, Wesley T. O'Neal, Faye L. Norby, Thomas H. Mosley, and Lin Y. Chen
e006014. DOI: 10.1161/JAHA.117.006014.

Different Implications of Heart Failure, Ischemic Stroke, and Mortality Between Nonvalvular Atrial Fibrillation and Atrial Flutter—a View From a National Cohort Study

Yu-Sheng Lin, Tien-Hsing Chen, Ching-Chi Chi, Ming-Shyan Lin, Tao-Hsin Tung, Chi-Hung Liu, Yung-Lung Chen, and Mien-Cheng Chen
e006406. DOI: 10.1161/JAHA.117.006406.

Cardiovascular Surgery

Association Between Elevated Pulse Pressure and High Resting Coronary Blood Flow Velocity in Patients With Angiographically Normal Epicardial Coronary Arteries

Maria Lembo, Rosa Sicari, Roberta Esposito, Fausto Rigo, Lauro Cortigiani, Francesco Lo Iudice, Eugenio Picano, Bruno Trimarco, and Maurizio Galderisi
e005710. DOI: 10.1161/JAHA.117.005710.

Simple Scoring System to Predict In-Hospital Mortality After Surgery for Infective Endocarditis

Giuseppe Gatti, Andrea Perrotti, Jean-François Obadia, Xavier Duval, Bernard Jung, François Alla, Catherine Chirouze, Christine Selton-Suty, Bruno Hoen, Gianfranco Sinagra, François Delahaye, Pierre Tattevin, Vincent Le Moing, Aniello Pappalardo, Sidney Chocron, and on behalf of The Association for the Study and Prevention of Infective Endocarditis Study Group–Association pour l'Étude et la Prévention de l'Endocardite Infectieuse
e004806. DOI: 10.1161/JAHA.116.004806.

Should Bilateral Internal Thoracic Artery Grafting Be Used in Patients After Recent Myocardial Infarction?

Dan Loberman, Dmitry Pevni, Rephael Mohr, Yosef Paz, Nahum Neshet, Mohamad Khaled Midlji, and Yanai Ben-Gal
e005951. DOI: 10.1161/JAHA.117.005951.

Congenital Heart Disease

Survival, by Birth Weight and Gestational Age, in Individuals With Congenital Heart Disease: A Population-Based Study

Kate E. Best, Peter W.G. Tennant, and Judith Rankin
e005213. DOI: 10.1161/JAHA.116.005213.

Effect of Pregnancy on Ventricular and Aortic Dimensions in Repaired Tetralogy of Fallot

Matthew Cauldwell, Michael A. Quail, Gillian S. Smith, Ee Ling Heng, Sarah Ghonim, Anselm Uebing, Lorna Swan, Wei Li, Roshni R. Patel, Dudley J. Pennell, Philip J. Steer, Mark R. Johnson, Michael A. Gatzoulis, and Sonya V. Babu-Narayan
e005420. DOI: 10.1161/JAHA.116.005420.

Coronary Heart Disease

Comparison of Anatomic and Clinical Outcomes in Patients Undergoing Alternative Initial Noninvasive Testing Strategies for the Diagnosis of Stable Coronary Artery Disease

Idan Roifman, Harindra C. Wijeyesundera, Peter C. Austin, Mohammad R. Rezai, Graham A. Wright, and Jack V. Tu

e005462. DOI: 10.1161/JAHA.116.005462.

Recognized Obstructive Sleep Apnea is Associated With Improved In-Hospital Outcomes After ST Elevation Myocardial Infarction

Divyanshu Mohanane, Pedro A. Villablanca, Tanush Gupta, Sahil Agrawal, Michael Faulx, Venugopal Menon, Samir R. Kapadia, Brian P. Griffin, Stephen G. Ellis, and Milind Y. Desai

e006133. DOI: 10.1161/JAHA.117.006133.

Prolonged Fever After ST-Segment Elevation Myocardial Infarction and Long-Term Cardiac Outcomes

Chika Kawashima, Yasushi Matsuzawa, Eiichi Akiyama, Masaaki Konishi, Hiroyuki Suzuki, Katsutaka Hashiba, Toshiaki Ebina, Masami Kosuge, Kiyoshi Hibi, Kengo Tsukahara, Noriaki Iwahashi, Nobuhiko Maejima, Kentaro Sakamaki, Satoshi Umemura, Kazuo Kimura, and Kouichi Tamura

e005463. DOI: 10.1161/JAHA.116.005463.

Outcomes of Patients Presenting With Clinical Indices of Spontaneous Reperfusion in ST-Elevation Acute Coronary Syndrome Undergoing Deferred Angiography

Paul Fefer, Roy Beigel, Shaul Atar, Doron Aronson, Arthur Pollak, Doron Zahger, Elad Asher, Zaza Iakobishvili, Nir Shlomo, Ronny Alcalai, Michal Einhorn-Cohen, Amit Segev, Ilan Goldenberg, Shlomi Matetzky, and for the ACSIS (Acute Coronary Syndrome Israeli Survey) Study Group

e004552. DOI: 10.1161/JAHA.116.004552.

Epidemiology

Two-Year Changes in Proteinuria and the Risk of Stroke in the Chinese Population: A Prospective Cohort Study

Anxin Wang, Xiaoxue Liu, Zhaoping Su, Shuohua Chen, Nan Zhang, Shouling Wu, Yongjun Wang, and Yilong Wang

e006271. DOI: 10.1161/JAHA.117.006271.

An Aggregate Biomarker Risk Score Predicts High Risk of Near-Term Myocardial Infarction and Death: Findings From BARI 2D (Bypass Angioplasty Revascularization Investigation 2 Diabetes)

Nima Ghasemzadeh, Maria M. Brooks, Helen Vlachos, Regina Hardison, Sergey Sikora, Laurence Sperling, Arshed A. Quyyumi, and Stephen E. Epstein

e003587. DOI: 10.1161/JAHA.116.003587.

Geographic Variations in Cardiovascular Disease Mortality Among Asian American Subgroups, 2003–2011

Jia Pu, Katherine G. Hastings, Derek Boothroyd, Powell O. Jose, Sukyung Chung, Janki B. Shah, Mark R. Cullen, Latha P. Palaniappan, and David H. Rehkopf

e005597. DOI: 10.1161/JAHA.117.005597.

Association of Parental Obesity and Diabetes Mellitus With Circulating Adipokines in Nonobese Nondiabetic Offspring

Justin P. Zachariah, Rene Quiroz, Danielle Enserro, Charlotte Andersson, John F. Keaney, Jr, Lisa M. Sullivan, and Ramachandran S. Vasan

e004973. DOI: 10.1161/JAHA.116.004973.

Prospective Relation of Circulating Adipokines to Incident Metabolic Syndrome: The Framingham Heart Study

Justin P. Zachariah, Rene Quiroz, Kerrie P. Nelson, Zhaoyang Teng, John F. Keaney, Jr, Lisa M. Sullivan, and Ramachandran S. Vasan

e004974. DOI: 10.1161/JAHA.116.004974.

Dynamic Relation of Changes in Weight and Indices of Fat Distribution With Cardiac Structure and Function: The Dallas Heart Study

Bryan Wilner, Sonia Garg, Colby R. Ayers, Christopher D. Maroules, Roderick McColl, Susan A. Matulevicius, James A. de Lemos, Mark H. Drazner, Ronald Peshock, and Ian J. Neeland

e005897. DOI: 10.1161/JAHA.117.005897.

Hyperkalemia After Initiating Renin–Angiotensin System Blockade: The Stockholm Creatinine Measurements (SCREAM) Project

Ghassan Bandak, Yingying Sang, Alessandro Gasparini, Alex R. Chang, Shoshana H. Ballew, Marie Evans, Johan Arnlov, Lars H. Lund, Lesley A. Inker, Josef Coresh, Juan-Jesus Carrero, and Morgan E. Grams
e005428. DOI: 10.1161/JAHA.116.005428.

Significant Associations of Neurological Complications of Herpes Zoster With Stroke in Rheumatoid Arthritis Patients

Tsai-Ling Liao, Ching-Heng Lin, Hsin-Hua Chen, Yi-Ming Chen, Che-Chen Lin, and Der-Yuan Chen
e006304. DOI: 10.1161/JAHA.117.006304.

Femoral Artery Atherosclerosis Is Associated With Physical Function Across the Spectrum of the Ankle-Brachial Index: The San Diego Population Study

Christina L. Wassel, Alicia M. Ellis, Natalie C. Suder, Emma Barinas-Mitchell, Dena E. Rifkin, Nketi I. Forbang, Julie O. Denenberg, Antoinette M. Marasco, Belinda J. McQuaide, Nancy S. Jenny, Matthew A. Allison, Joachim H. Ix, and Michael H. Criqui
e005777. DOI: 10.1161/JAHA.117.005777.

Physical Activity and Characteristics of the Carotid Artery Wall in High-Risk Patients—The SMART (Second Manifestations of Arterial Disease) Study

H. Myrthe Boss, Yolanda van der Graaf, Frank L. J. Visseren, Renske M. Van den Berg-Vos, Michiel L. Bots, Gert Jan de Borst, Maarten J. Cramer, L. Jaap Kappelle, Mirjam I. Geerlings, and on behalf of the SMART Study Group
e005143. DOI: 10.1161/JAHA.116.005143.

Addition of 24-Hour Heart Rate Variability Parameters to the Cardiovascular Health Study Stroke Risk Score and Prediction of Incident Stroke: The Cardiovascular Health Study

Rohan K. Bodapati, Jorge R. Kizer, Willem J. Kop, Hooman Kamel, and Phyllis K. Stein
e004305. DOI: 10.1161/JAHA.116.004305.

Subclinical Atherosclerosis, Cardiac and Kidney Function, Heart Failure, and Dementia in the Very Elderly

Lewis H. Kuller, Oscar L. Lopez, John S. Gottdiener, Dalane W. Kitzman, James T. Becker, Yuefang Chang, and Anne B. Newman
e005353. DOI: 10.1161/JAHA.116.005353.

Genetics

Gene Expression Profiles for the Identification of Prevalent Atrial Fibrillation

Sébastien Thériault, Richard Whitlock, Kripa Raman, Jessica Vincent, Salim Yusuf, and Guillaume Paré
e006057. DOI: 10.1161/JAHA.117.006057.

Health Services and Outcomes Research

Health Insurance Expansion and Incidence of Out-of-Hospital Cardiac Arrest: A Pilot Study in a US Metropolitan Community

Eric C. Stecker, Kyndaron Reinier, Carmen Rusinaru, Audrey Uy-Evanado, Jon Jui, and Sumeet S. Chugh
e005667. DOI: 10.1161/JAHA.117.005667.

Sex Differences in the Use of Oral Anticoagulants for Atrial Fibrillation: A Report From the National Cardiovascular Data Registry (NCDR[®]) PINNACLE Registry

Lauren E. Thompson, Thomas M. Maddox, Lanyu Lei, Gary K. Grunwald, Steven M. Bradley, Pamela N. Peterson, Frederick A. Masoudi, Alexander Turchin, Yang Song, Gheorghe Doros, Melinda B. Davis, and Stacie L. Daugherty
e005801. DOI: 10.1161/JAHA.117.005801.

Added Value of Patient-Reported Outcome Measures in Stroke Clinical Practice

Irene L. Katzan, Nicolas R. Thompson, Brittany Lapin, and Ken Uchino
e005356. DOI: 10.1161/JAHA.116.005356.

Membrane-Tethered Metalloproteinase Expressed by Vascular Smooth Muscle Cells Limits the Progression of Proliferative Atherosclerotic Lesions

Richard H. BarnesII, Takeshi Akama, Miina K. Öhman, Moon-Sook Woo, Julian Bahr, Stephen J. Weiss, Daniel T. Eitzman, and Tae-Hwa Chun
e003693. DOI: 10.1161/JAHA.116.003693.

Heart Failure

Prognostic Impact of Diabetes and Prediabetes on Survival Outcomes in Patients With Chronic Heart Failure: A Post-Hoc Analysis of the GISSI-HF (Gruppo Italiano per lo Studio della Sopravvivenza nella Insufficienza Cardiaca-Heart Failure) Trial

Marco Dauriz, Giovanni Targher, Pier Luigi Temporelli, Donata Lucci, Lucio Gonzini, Gian Luigi Nicolosi, Roberto Marchioli, Gianni Tognoni, Roberto Latini, Franco Cosmi, Luigi Tavazzi, Aldo Pietro Maggioni, and on behalf of the GISSI-HF Investigators
e005156. DOI: 10.1161/JAHA.116.005156.

Haplodeficiency of Ataxia Telangiectasia Mutated Accelerates Heart Failure After Myocardial Infarction

Lixin Jia, Wenmei Zhang, Youcai Ma, Boya Chen, Yan Liu, Chunmei Piao, Yuan Wang, Min Yang, Tingting Liu, Junmeng Zhang, Taotao Li, Shaoping Nie, and Jie Du
e006349. DOI: 10.1161/JAHA.117.006349.

Pathogenesis of Hypertrophic Cardiomyopathy is Mutation Rather Than Disease Specific: A Comparison of the Cardiac Troponin T E163R and R92Q Mouse Models

Cecilia Ferrantini, Raffaele Coppini, José Manuel Pioner, Francesca Gentile, Benedetta Tosi, Luca Mazzoni, Beatrice Scellini, Nicoletta Piroddi, Annunziata Laurino, Lorenzo Santini, Valentina Spinelli, Leonardo Sacconi, Pieter De Tombe, Rachel Moore, Jil Tardiff, Alessandro Mugelli, Iacopo Olivetto, Elisabetta Cerbai, Chiara Tesi, and Corrado Poggesi
e005407. DOI: 10.1161/JAHA.116.005407.

Hypertension

Oxygen Uptake Efficiency Slope Predicts Poor Outcome in Patients With Idiopathic Pulmonary Arterial Hypertension

Yi Tang, Qin Luo, Zhihong Liu, Xiuping Ma, Zhihui Zhao, Zhiwei Huang, Liu Gao, Qi Jin, Changming Xiong, and Xinhai Ni
e005037. DOI: 10.1161/JAHA.116.005037.

The Contribution of Inflammation to the Development of Hypertension Mediated by Increased Arterial Stiffness

Hirofumi Tomiyama, Kazuki Shiina, Chisa Matsumoto-Nakano, Toshiharu Ninomiya, Shunsuke Komatsu, Kazutaka Kimura, Taishiro Chikamori, and Akira Yamashina
e005729. DOI: 10.1161/JAHA.117.005729.

Enhanced Mitochondrial Transient Receptor Potential Channel, Canonical Type 3-Mediated Calcium Handling in the Vasculature From Hypertensive Rats

Bin Wang, Shiqiang Xiong, Shaoyang Lin, Weijie Xia, Qiang Li, Zhigang Zhao, Xing Wei, Zongshi Lu, Xiao Wei, Peng Gao, Daoyan Liu, and Zhiming Zhu
e005812. DOI: 10.1161/JAHA.117.005812.

Imaging

Diabetes Mellitus, Microalbuminuria, and Subclinical Cardiac Disease: Identification and Monitoring of Individuals at Risk of Heart Failure

Peter P. Swoboda, Adam K. McDiarmid, Bara Erhayiem, David P. Ripley, Laura E. Dobson, Pankaj Garg, Tarique A. Musa, Klaus K. Witte, Mark T. Kearney, Julian H. Barth, Ramzi Ajjan, John P. Greenwood, and Sven Plein
e005539. DOI: 10.1161/JAHA.117.005539.

Interventional Cardiology

Outcomes and Prognostic Impact of Prophylactic Oral Anticoagulation in Anterior ST-Segment Elevation Myocardial Infarction Patients With Left Ventricular Dysfunction

Jay S. Shavadia, Erik Youngson, Kevin R. Bainey, Jeffrey Bakal, and Robert C. Welsh
e006054. DOI: 10.1161/JAHA.117.006054.

Comparison of Fatal or Irreversible Events With Extended-Duration Betrixaban Versus Standard Dose Enoxaparin in Acutely Ill Medical Patients: An APEX Trial Substudy

C. Michael Gibson, Serge Korjian, Gerald Chi, Yazan Daaboul, Purva Jain, Douglas Arbetter, Samuel Z. Goldhaber, Russel Hull, Adrian F. Hernandez, Renato D. Lopes, Alex Gold, Alexander T. Cohen, Robert A. Harrington, and on behalf of the APEX Investigators
e006015. DOI: 10.1161/JAHA.117.006015.

Correlation of Admission Heart Rate With Angiographic and Clinical Outcomes in Patients With Right Coronary Artery ST-Segment Elevation Myocardial Infarction Undergoing Primary Percutaneous Coronary Intervention: HORIZONS-AMI (The Harmonizing Outcomes With Revascularization and Stents in Acute Myocardial Infarction) Trial

Ioanna Kosmidou, Thomas McAndrew, Björn Redfors, Monica Embacher, José M. Dizon, Roxana Mehran, Ori Ben-Yehuda, Gary S. Mintz, and Gregg W. Stone
e006181. DOI: 10.1161/JAHA.117.006181.

Kidney in Cardiovascular Disease

Inhibition of I κ B Kinase at 24 Hours After Acute Kidney Injury Improves Recovery of Renal Function and Attenuates Fibrosis

Florence L. Johnson, Nimesh S. A. Patel, Gareth S. D. Purvis, Fausto Chiazza, Jianmin Chen, Regina Sordi, Guillaume Hache, Viktoria V. Merezhko, Massimo Collino, Muhammed M. Yaqoob, and Christoph Thiemermann
e005092. DOI: 10.1161/JAHA.116.005092.

Effect Modification of Chronic Kidney Disease on the Association of Circulating and Imaging Cardiac Biomarkers With Outcomes

L. Parker Gregg, Beverley Adams-Huet, Xilong Li, Gates Colbert, Nishank Jain, James A. de Lemos, and S. Susan Hedayati
e005235. DOI: 10.1161/JAHA.116.005235.

Eicosapentaenoic and Docosahexaenoic Acids Attenuate Progression of Albuminuria in Patients With Type 2 Diabetes Mellitus and Coronary Artery Disease

Tarek K. Elajami, Abdulhamied Alfaddagh, Dharshan Lakshminarayan, Michael Soliman, Madhuri Chandnani, and Francine K. Welty
e004740. DOI: 10.1161/JAHA.116.004740.

Molecular Cardiology

Histone Deacetylase 1 Depletion Activates Human Cardiac Mesenchymal Stromal Cell Proangiogenic Paracrine Signaling Through a Mechanism Requiring Enhanced Basic Fibroblast Growth Factor Synthesis and Secretion

Joseph B. Moore, IV, John Zhao, Annalara G. Fischer, Matthew C. L. Keith, David Hagan, Marcin Wysoczynski, and Roberto Bolli
e006183. DOI: 10.1161/JAHA.117.006183.

Switch From Fetal to Adult *SCN5A* Isoform in Human Induced Pluripotent Stem Cell-Derived Cardiomyocytes Unmasks the Cellular Phenotype of a Conduction Disease-Causing Mutation

Christiaan C. Veerman, Isabella Mengarelli, Elisabeth M. Lodder, Georgios Kosmidis, Milena Bellin, Miao Zhang, Sven Dittmann, Kaomei Guan, Arthur A. M. Wilde, Eric Schulze-Bahr, Boris Greber, Connie R. Bezzina, and Arie O. Verkerk
e005135. DOI: 10.1161/JAHA.116.005135.

Pediatric Cardiology

Clarithromycin Plus Intravenous Immunoglobulin Therapy Can Reduce the Relapse Rate of Kawasaki Disease: A Phase 2, Open-Label, Randomized Control Study

Etsuro Nanishi, Hisanori Nishio, Hidetoshi Takada, Kenichiro Yamamura, Mitsuharu Fukazawa, Kenji Furuno, Yumi Mizuno, Kenjiro Saigo, Ryo Kadoya, Noriko Ohbuchi, Yasuhiro Onoe, Hironori Yamashita, Hideki Nakayama, Takuya Hara, Takuro Ohno, Yasuhiko Takahashi, Ken Hatae, Tatsuo Harada, Takayuki Shimose, Junji Kishimoto, Shouichi Ohga, and Toshiro Hara
e005370. DOI: 10.1161/JAHA.116.005370.

Preventive Cardiology

Implications of American College of Cardiology/American Heart Association (ACC/AHA) Cholesterol Guidelines on Statin Underutilization for Prevention of Cardiovascular Disease in Diabetes Mellitus Among Several US Networks of Community Health Centers

Ehimare Akhabue, Sarah S. Rittner, Joseph E. Carroll, Phillip M. Crawford, Lydia Dant, Reesa Laws, Michael C. Leo, Jon Puro, and Stephen D. Persell

e005627. DOI: 10.1161/JAHA.117.005627.

Resuscitation Science

National Institutes of Health–Funded Cardiac Arrest Research: A 10-Year Trend Analysis

Ryan A. Coute, Ashish R. Panchal, Timothy J. Mader, and Robert W. Neumar

e005239. DOI: 10.1161/JAHA.116.005239.

Stroke

Mfsd2a (Major Facilitator Superfamily Domain Containing 2a) Attenuates Intracerebral Hemorrhage–Induced Blood–Brain Barrier Disruption by Inhibiting Vesicular Transcytosis

Yuan-Rui Yang, Xiao-Yi Xiong, Juan Liu, Li-Rong Wu, Qi Zhong, Kai Zhou, Zhao-You Meng, Liang Liu, Fa-Xiang Wang, Qiu-Wen Gong, Mao-Fan Liao, Chun-Mei Duan, Jie Li, Mei-Hua Yang, Qin Zhang, Chang-Xiong Gong, and Qing-Wu Yang

e005811. DOI: 10.1161/JAHA.117.005811.

Long-Term Stroke Risk Prediction in Patients With Atrial Fibrillation: Comparison of the ABC-Stroke and CHA2DS2-VASc Scores

José Miguel Rivera-Caravaca, Vanessa Roldán, María Asunción Esteve-Pastor, Mariano Valdés, Vicente Vicente, Gregory Y. H. Lip, and Francisco Marín

e006490. DOI: 10.1161/JAHA.117.006490.

Valvular Heart Disease

Impact of Vascular Hemodynamics on Aortic Stenosis Evaluation: New Insights Into the Pathophysiology of Normal Flow–Small Aortic Valve Area–Low Gradient Pattern

Nancy Côté, Louis Simard, Anne-Sophie Zenses, Lionel Tastet, Mylène Shen, Marine Clisson, and Marie-Annick Clavel

e006276. DOI: 10.1161/JAHA.117.006276.

Reversibility of Cardiac Function Predicts Outcome After Transcatheter Aortic Valve Replacement in Patients With Severe Aortic Stenosis

Kimi Sato, Arnav Kumar, Brandon M. Jones, Stephanie L. Mick, Amar Krishnaswamy, Richard A. Grimm, Milind Y. Desai, Brian P. Griffin, L. Leonardo Rodriguez, Samir R. Kapadia, Nancy A. Obuchowski, and Zoran B. Popović

e005798. DOI: 10.1161/JAHA.117.005798.

Elevation of B-Type Natriuretic Peptide at Discharge is Associated With 2-Year Mortality After Transcatheter Aortic Valve Replacement in Patients With Severe Aortic Stenosis: Insights From a Multicenter Prospective OCEAN-TAVI (Optimized Transcatheter Valvular Intervention–Transcatheter Aortic Valve Implantation) Registry

Kazuki Mizutani, Masahiko Hara, Shinichi Iwata, Takashi Murakami, Toshihiko Shibata, Minoru Yoshiyama, Toru Naganuma, Futoshi Yamanaka, Akihiro Higashimori, Norio Tada, Kensuke Takagi, Motoharu Araki, Hiroshi Ueno, Minoru Tabata, Shinichi Shirai, Yusuke Watanabe, Masanori Yamamoto, and Kentaro Hayashida

e006112. DOI: 10.1161/JAHA.117.006112.

Severe Aortic Stenosis in Dialysis Patients

Yuichi Kawase, Tomohiko Taniguchi, Takeshi Morimoto, Kazushige Kadota, Keiichiro Iwasaki, Akimune Kuwayama, Masanobu Ohya, Takenobu Shimada, Hidewo Amano, Takeshi Maruo, Yasushi Fuku, Chisato Izumi, Takeshi Kitai, Naritatsu Saito, Eri Minamino-Muta, Takao Kato, Tsukasa Inada, Moriaki Inoko, Katsuhisa Ishii, Tatsuhiko Komiya, Michiya Hanyu, Kenji Minatoya, Takeshi Kimura, and on behalf of the CURRENT AS Registry Investigators

e004961. DOI: 10.1161/JAHA.116.004961.

Prognostic Impact of Peak Aortic Jet Velocity in Conservatively Managed Patients With Severe Aortic Stenosis: An Observation From the CURRENT AS Registry

Kenji Nakatsuma, Tomohiko Taniguchi, Takeshi Morimoto, Hiroki Shiomi, Kenji Ando, Norio Kanamori, Koichiro Murata, Takeshi Kitai, Yuichi Kawase, Chisato Izumi, Makoto Miyake, Hirokazu Mitsuoka, Masashi Kato, Yutaka Hirano, Shintaro Matsuda, Tsukasa Inada, Kazuya Nagao, Tomoyuki Murakami, Yasuyo Takeuchi, Keiichiro Yamane, Mamoru Toyofuku, Mitsuru Ishii, Eri Minamino-Muta, Takao Kato, Moriaki Inoko, Tomoyuki Ikeda, Akihiro Komasa, Katsuhisa Ishii, Kozo Hotta, Nobuya Higashitani, Yoshihiro Kato, Yasutaka Inuzuka, Chiyo Maeda, Toshikazu Jinnai, Yuko Morikami, Naritatsu Saito, Kenji Minatoya, Takeshi Kimura, and on behalf of the CURRENT AS Registry Investigators

e005524. DOI: 10.1161/JAHA.117.005524.

Vascular Medicine

Platelet-Derived Factor V Is a Critical Mediator of Arterial Thrombosis

Meiping Ren, Rong Li, Ni Chen, Ningbo Pang, Yongjie Li, Xin Deng, Liqun Wang, Mao Luo, Yan Liu, Haiyan Hao, Yong Liu, Hongmin Sun, and Jianbo Wu

e006345. DOI: 10.1161/JAHA.117.006345.

Phospholipase C γ 1 Mediates Intima Formation Through Akt-Notch 1 Signaling Independent of the Phospholipase Activity

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Dipeptidyl Peptidase-4 Regulates Hematopoietic Stem Cell Activation in Response to Chronic Stress

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High-Intensity Statin Therapy Is Associated With Improved Survival in Patients With Peripheral Artery Disease

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Identification of apoB-100 Peptide-Specific CD8⁺ T Cells in Atherosclerosis

Paul C. Dimayuga, Xiaoning Zhao, Juliana Yano, Wai Man Lio, Jianchang Zhou, Peter M. Mihailovic, Bojan Cercek, Prediman K. Shah, and Kuang-Yuh Chyu

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Relationship between Vascular Resistance and Sympathetic Nerve Fiber Density in Arterial Vessels in Children With Sleep Disordered Breathing

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ISAR-PEBIS (Paclitaxel-Eluting Balloon Versus Conventional Balloon Angioplasty for In-Stent Restenosis of Superficial Femoral Artery): A Randomized Trial

Ilka Ott, Salvatore Cassese, Philipp Groha, Birgit Steppich, Felix Voll, Martin Hadamitzky, Tareq Ibrahim, Sebastian Kufner, Karl Dewitz, Theresa Wittmann, Albert Markus Kasel, Karl-Ludwig Laugwitz, Heribert Schunkert, Adnan Kastrati, and Massimiliano Fusaro

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Systematic Review and Meta-analysis

Gut Microbiota Metabolites and Risk of Major Adverse Cardiovascular Disease Events and Death: A Systematic Review and Meta-Analysis of Prospective Studies

Yoriko Heianza, Wenjie Ma, JoAnn E. Manson, Kathryn M. Rexrode, and Lu Qi

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Cytomegalovirus Infection and Relative Risk of Cardiovascular Disease (Ischemic Heart Disease, Stroke, and Cardiovascular Death): A Meta-Analysis of Prospective Studies Up to 2016

Haoran Wang, Geng Peng, Jing Bai, Bing He, Kecheng Huang, Xinrong Hu, and Dongliang Liu
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Effects of Non-Vitamin K Antagonist Oral Anticoagulants Versus Warfarin in Patients With Atrial Fibrillation and Valvular Heart Disease: A Systematic Review and Meta-Analysis

Kuo-Li Pan, Daniel E. Singer, Bruce Ovbiagele, Yi-Ling Wu, Mohamed A. Ahmed, and Meng Lee
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Adherence to Antihypertensive Medications and Stroke Risk: A Dose-Response Meta-Analysis

Tao Xu, Xinyuan Yu, Shu Ou, Xi Liu, Jinxian Yuan, Xinjie Tan, and Yangmei Chen
e006371 DOI: 10.1161/JAHA.117.006371.

Contemporary Review

Current and Future Use of Robotic Devices to Perform Percutaneous Coronary Interventions: A Review

Elad Maor, Mackram F. Eleid, Rajiv Gulati, Amir Lerman, and Gurpreet S. Sandhu
e006239. DOI: 10.1161/JAHA.117.006239.

Correction

BubR1 Insufficiency Results in Decreased Macrophage Proliferation and Attenuated Atherogenesis in Apolipoprotein E-Deficient Mice

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