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Editorials

Adverse Events as End Points: The Need to Account for Both Sides of the Same Coin

Felipe Aizpuru

e006018. DOI: 10.1161/JAHA.117.006018.

Implementing Cardiovascular Risk Prediction in Clinical Practice: The Future Is Now

Kunal N. Karmali and Donald M. Lloyd-Jones

e006019. DOI: 10.1161/JAHA.117.006019.

In Memoriam

Richard E. Kerber, MD, 1939–2016

David Gutterman and Allyn Mark

e006177. DOI: 10.1161/JAHA.117.006177.

Original Research

Arrhythmia and Electrophysiology

An East Asian Common Variant Vinculin P.Asp841His Was Associated With Sudden Unexplained Nocturnal Death Syndrome in the Chinese Han Population

Jianding Cheng, John W. Kyle, Di Lang, Brandi Wiedmeyer, Jian Guo, Kun Yin, Lei Huang, Ravi Vaidyanathan, Terry Su, and Jonathan C. Makielski

e005330. DOI: 10.1161/JAHA.116.005330.

Tollip Deficiency Alters Atherosclerosis and Steatosis by Disrupting Lipophagy

Keqiang Chen, Ruoxi Yuan, Yao Zhang, Shuo Geng, and Liwu Li

e004078. DOI: 10.1161/JAHA.116.004078.

Health Literacy and Awareness of Atrial Fibrillation

Stephanie R. Reading, Alan S. Go, Margaret C. Fang, Daniel E. Singer, In-Lu Amy Liu, Mary Helen Black, Natalia Udaltsova, Kristi Reynolds, for the Anticoagulation and Risk Factors in Atrial Fibrillation–Cardiovascular Research Network (ATRIA-CVRN) Investigators

e005128. DOI: 10.1161/JAHA.116.005128.

Optical Mapping Approaches on Muscleblind-Like Compound Knockout Mice for Understanding Mechanistic Insights Into Ventricular Arrhythmias in Myotonic Dystrophy

Chung-Chuan Chou, Po-Cheng Chang, Yi-Chia Wei, and Kuang-Yung Lee

e005191. DOI: 10.1161/JAHA.116.005191.

Comparative Effectiveness and Safety of Dabigatran and Rivaroxaban in Atrial Fibrillation Patients

Chao-Lun Lai, Ho-Min Chen, Min-Tsun Liao, Ting-Tse Lin, and K. Arnold Chan

e005362. DOI: 10.1161/JAHA.116.005362.

Cardiovascular Surgery

Phase I Clinical Trial of Autologous Stem Cell–Sheet Transplantation Therapy for Treating Cardiomyopathy

Shigeru Miyagawa, Keitaro Domae, Yasushi Yoshikawa, Satsuki Fukushima, Teruya Nakamura, Atsuhiko Saito, Yasushi Sakata, Seiki Hamada, Koichi Toda, Kyongsun Pak, Masahiro Takeuchi, and Yoshiki Sawa

e003918. DOI: 10.1161/JAHA.116.003918.

In Situ Laser Fenestration Is a Feasible Method for Revascularization of Aortic Arch During Thoracic Endovascular Aortic Repair

Jinbao Qin, Zhen Zhao, Ruihua Wang, Kaichuang Ye, Weimin Li, Xiaobing Liu, Guang Liu, Chaoyi Cui, Huihua Shi, Zhiyou Peng, Fukang Yuan, Xinrui Yang, Min Lu, Xintian Huang, Mier Jiang, Xin Wang, Minyi Yin, and Xinwu Lu
e004542. DOI: 10.1161/JAHA.116.004542.

Circulating MicroRNAs in Delayed Cerebral Infarction After Aneurysmal Subarachnoid Hemorrhage

Gang Lu, Man Sze Wong, Mark Zhi Qiang Xiong, Chi Kwan Leung, Xian Wei Su, Jing Ye Zhou, Wai Sang Poon, Vera Zhi Yuan Zheng, Wai Yee Chan, and George Kwok Chu Wong
e005363. DOI: 10.1161/JAHA.116.005363.

Coronary Heart Disease

Cardioprotective Effects of Intracoronary Morphine in ST-Segment Elevation Myocardial Infarction Patients Undergoing Primary Percutaneous Coronary Intervention: A Prospective, Randomized Trial

Hye Bin Gwag, Eun Kyoung Kim, Taek Kyu Park, Joo Myung Lee, Jeong Hoon Yang, Young Bin Song, Jin-Ho Choi, Seung-Hyuk Choi, Sang Hoon Lee, Sung-A Chang, Sung-Ji Park, Sang-Chol Lee, Seung Woo Park, Woo Jin Jang, Mirae Lee, Woo Jung Chun, Ju Hyeon Oh, Yong Hwan Park, Yeon Hyeon Choe, Hyeon-Cheol Gwon, and Joo-Yong Hahn
e005426. DOI: 10.1161/JAHA.116.005426.

Relationship Between Peak Troponin Values and Long-Term Ischemic Events Among Medically Managed Patients With Acute Coronary Syndromes

Sarah A. Goldstein, L. Kristin Newby, Derek D. Cyr, Megan Neely, Thomas F. Lüscher, Eileen B. Brown, Harvey D. White, E. Magnus Ohman, Matthew T. Roe, and Christian W. Hamm
e005334. DOI: 10.1161/JAHA.116.005334.

Characteristics of Earlier Versus Delayed Presentation of Very Late Drug-Eluting Stent Thrombosis: An Optical Coherence Tomographic Study

Seung-Yul Lee, Jung-Min Ahn, Gary S. Mintz, Seung-Ho Hur, So-Yeon Choi, Sang-Wook Kim, Jin Man Cho, Soon Jun Hong, Jin Won Kim, Young Joon Hong, Sang-Gon Lee, Dong-Ho Shin, Jung-Sun Kim, Byeong-Keuk Kim, Young-Guk Ko, Donghoon Choi, Yangsoo Jang, Seung-Jung Park, and Myeong-Ki Hong
e005386. DOI: 10.1161/JAHA.116.005386.

Growth Differentiation Factor 15 at 1 Month After an Acute Coronary Syndrome Is Associated With Increased Risk of Major Bleeding

Daniel Lindholm, Emil Hagström, Stefan K. James, Richard C. Becker, Christopher P. Cannon, Anders Himmelmann, Hugo A. Katus, Gerald Maurer, José Luis López-Sendón, Philippe Gabriel Steg, Robert F. Storey, Agneta Siegbahn, and Lars Wallentin
e005580. DOI: 10.1161/JAHA.117.005580.

Differences in Short- and Long-Term Mortality Associated With BMI Following Coronary Revascularization

Tasuku Terada, Mary Forhan, Colleen M. Norris, Weiyu Qiu, Raj Padwal, Arya M. Sharma, Jayan Nagendran, and Jeffrey A. Johnson
e005335. DOI: 10.1161/JAHA.116.005335.

Incremental Value of Transthoracic Doppler Echocardiography-Assessed Coronary Flow Reserve in Patients With Suspected Myocardial Ischemia Undergoing Myocardial Perfusion Scintigraphy

Li-Ming Gan, Sara Svedlund, Ann Wittfeldt, Charlotte Eklund, Sinsia Gao, Göran Matejka, Anders Jeppsson, Per Albertsson, Elmir Omerovic, and Amir Lerman
e004875. DOI: 10.1161/JAHA.116.004875.

Reporting Clinical End Points and Safety Events in an Acute Coronary Syndrome Trial: Results With Integrated Collection

Patrícia O. Guimarães, Renato D. Lopes, Susanna R. Stevens, André Zimmerman, Lisa Wruck, Stefan K. James, Ghazala Haque, Roberto Rocha C. V. Giraldez, John H. Alexander, and Karen P. Alexander
e005490. DOI: 10.1161/JAHA.117.005490.

Clinical Significance of Postinfarct Fever in ST-Segment Elevation Myocardial Infarction: A Cardiac Magnetic Resonance Imaging Study

Woo Jin Jang, Jeong Hoon Yang, Young Bin Song, Woo Jung Chun, Ju Hyeon Oh, Yong Hwan Park, Mi Rae Lee, Jin Kyung Hwang, Ji-Won Hwang, Joo-Yong Hahn, Seung-Hyuk Choi, Sang-Chol Lee, Yeon Hyeon Choe, and Hyeon-Cheol Gwon
e005687. DOI: 10.1161/JAHA.117.005687.

Epidemiology

History of Periodontitis Diagnosis and Edentulism as Predictors of Cardiovascular Disease, Stroke, and Mortality in Postmenopausal Women

Michael J. LaMonte, Robert J. Genco, Kathleen M. Hovey, Robert B. Wallace, Jo L. Freudenheim, Dominique S. Michaud, Xiaodan Mai, Lesley F. Tinker, Christian R. Salazar, Christopher A. Andrews, Wenjun Li, Charles B. Eaton, Lisa W. Martin, and Jean Wactawski-Wende
e004518. DOI: 10.1161/JAHA.116.004518.

Blood Pressure and Arterial Stiffness in Kenyan Adolescents With α^+ Thalassemia

Anthony O. Etyang, Christopher Khayeka-Wandabwa, Sailoki Kapesa, Esther Muthumbi, Emily Odipo, Marylene Wamukoya, Nicholas Ngomi, Tilahun Haregu, Catherine Kyobutungi, Metrine Tendwa, Johnstone Makale, Alex Macharia, J. Kennedy Cruickshank, Liam Smeeth, J. Anthony G. Scott, and Thomas N. Williams
e005613. DOI: 10.1161/JAHA.117.005613.

Smokers and Postcessation Weight Gain After Acute Coronary Syndrome

Payam Dehghani, Bettina Habib, Sarah B. Windle, Nathalie Roy, Wayne Old, François R. Grondin, Iqbal Bata, Ayman Iskander, Claude Lauzon, Nalin Srivastava, Adam Clarke, Daniel Cassavar, Danielle Dion, Herbert Haught, Shamir R. Mehta, Jean-François Baril, Charles Lambert, Mina Madan, Beth L. Abramson, and Mark J. Eisenberg
e004785. DOI: 10.1161/JAHA.116.004785.

Maternal Macronutrient Intake and Offspring Blood Pressure 20 Years Later

Laufey Hrolfsdottir, Thorhallur I. Halldorsson, Dorte Rytter, Bodil Hammer Bech, Bryndis E. Birgisdottir, Ingibjorg Gunnarsdottir, Charlotta Granström, Tine Brink Henriksen, Sjurdur F. Olsen, and Ekaterina Maslova
e005808. DOI: 10.1161/JAHA.117.005808.

Incidence of First Stroke in Pregnant and Nonpregnant Women of Childbearing Age: A Population-Based Cohort Study From England

Lu Ban, Nikola Sprigg, Alyshah Abdul Sultan, Catherine Nelson-Piercy, Philip M. Bath, Jonas F. Ludvigsson, Olof Stephansson, and Laila J. Tata
e004601. DOI: 10.1161/JAHA.116.004601.

Genetics

An *NPPB* Promoter Polymorphism Associated With Elevated N-Terminal pro-B-Type Natriuretic Peptide and Lower Blood Pressure, Hypertension, and Mortality

Sara B. Seidelmann, Orly Vardeny, Brian Claggett, Bing Yu, Amil M. Shah, Christie M. Ballantyne, Elizabeth Selvin, Calum A. MacRae, Eric Boerwinkle, and Scott D. Solomon
e005257. DOI: 10.1161/JAHA.116.005257.

Local Ancestry and Clinical Cardiovascular Events Among African Americans From the Atherosclerosis Risk in Communities Study

Aditi Shendre, Marguerite R. Irvin, Howard Wiener, Degui Zhi, Nita A. Limdi, Edgar T. Overton, and Sadeep Shrestha
e004739. DOI: 10.1161/JAHA.116.004739.

Health Services and Outcomes Research

Association of Magnet Status With Hospitalization Outcomes for Ischemic Stroke Patients

Kimon Bekelis, Symeon Missios, and Todd A. MacKenzie
e005880. DOI: 10.1161/JAHA.117.005880.

Comparative Safety of Sulfonylurea and Metformin Monotherapy on the Risk of Heart Failure: A Cohort Study

Christianne L. Roumie, Jea Young Min, Lucy D'Agostino McGowan, Caroline Presley, Carlos G. Grijalva, Amber J. Hackstadt, Adriana M. Hung, Robert A. Greevy, Tom Elasy, and Marie R. Griffin
e005379. DOI: 10.1161/JAHA.116.005379.

Use and Customization of Risk Scores for Predicting Cardiovascular Events Using Electronic Health Record Data

Julian Wolfson, David M. Vock, Sunayan Bandyopadhyay, Thomas Kottke, Gabriela Vazquez-Benitez, Paul Johnson, Gediminas Adomavicius, and Patrick J. O'Connor
e003670. DOI: 10.1161/JAHA.116.003670.

Heart Failure

Sex- and Race-Related Differences in Characteristics and Outcomes of Hospitalizations for Heart Failure With Preserved Ejection Fraction

Parag Goyal, Tracy Paul, Zaid I. Almarzooq, Janey C. Peterson, Udhay Krishnan, Rajesh V. Swaminathan, Dmitriy N. Feldman, Martin T. Wells, Maria G. Karas, Irina Sobol, Mathew S. Maurer, Evelyn M. Horn, and Luke K. Kim
e003330. DOI: 10.1161/JAHA.116.003330.

Biomarker Profiles in Heart Failure Patients With Preserved and Reduced Ejection Fraction

Jasper Tromp, Mohsin A. F. Khan, IJsbrand T. Klip, Sven Meyer, Rudolf A. de Boer, Tiny Jaarsma, Hans Hillege, Dirk J. van Veldhuisen, Peter van der Meer, and Adriaan A. Voors
e003989. DOI: 10.1161/JAHA.116.003989.

Statin Treatment and Clinical Outcomes of Heart Failure Among Africans: An Inverse Probability Treatment Weighted Analysis

Kwadwo Osei Bonsu, Isaac Kofi Owusu, Kwame Ohene Buabeng, Daniel D. Reidpath, and Amudha Kadirvelu
e004706. DOI: 10.1161/JAHA.116.004706.

Benefits of Permanent His Bundle Pacing Combined With Atrioventricular Node Ablation in Atrial Fibrillation Patients With Heart Failure With Both Preserved and Reduced Left Ventricular Ejection Fraction

Weijian Huang, Lan Su, Shengjie Wu, Lei Xu, Fangyi Xiao, Xiaohong Zhou, and Kenneth A. Ellenbogen
e005309. DOI: 10.1161/JAHA.116.005309.

Prognostic Significance of Interleukin-34 (IL-34) in Patients With Chronic Heart Failure With or Without Renal Insufficiency

Rong Tao, Qin Fan, Hang Zhang, Hongyang Xie, Lin Lu, Gang Gu, Fang Wang, Rui Xi, Jian Hu, Qiuqing Chen, Wenquan Niu, Weifeng Shen, Ruiyan Zhang, and Xiaoxiang Yan
e004911. DOI: 10.1161/JAHA.116.004911.

Myocardial Damage Detected by Late Gadolinium Enhancement Cardiac Magnetic Resonance Is Uncommon in Peripartum Cardiomyopathy

Erik B. Schelbert, Uri Elkayam, Leslie T. Cooper, Michael M. Givertz, Jeffrey D. Alexis, Joan Briller, G. Michael Felker, Sandra Chaparro, Angela Kealey, Jessica Pisarcik, James D. Fett, Dennis M. McNamara, for the Investigations of Pregnancy Associated Cardiomyopathy (IPAC) Investigators
e005472. DOI: 10.1161/JAHA.117.005472.

Circulating microRNAs: Potential Markers of Cardiotoxicity in Children and Young Adults Treated With Anthracycline Chemotherapy

Kasey J. Leger, David Leonard, Danelle Nielson, James A. de Lemos, Pradeep P.A. Mammen, and Naomi J. Winick
e004653. DOI: 10.1161/JAHA.116.004653.

Abnormal Remodeling of Subcutaneous Small Arteries Is Associated With Early Diastolic Impairment in Metabolic Syndrome

Kaivan Khavandi, Reza Aghamohammadzadeh, Matthew Luckie, Jack Brownrigg, Uazman Alam, Rajdeep Khattar, Rayaz A. Malik, Anthony M. Heagerty, and Adam S. Greenstein
e004603. DOI: 10.1161/JAHA.116.004603.

Translocase of Inner Membrane 50 Functions as a Novel Protective Regulator of Pathological Cardiac Hypertrophy

Kai Tang, Yifan Zhao, Hailing Li, Mengyun Zhu, Weiming Li, Weijing Liu, Guofu Zhu, Dachun Xu, Wenhui Peng, and Ya-wei Xu
e004346. DOI: 10.1161/JAHA.116.004346.

Association of Tenofovir Use With Risk of Incident Heart Failure in HIV-Infected Patients

Ruijun Chen, Rebecca Scherzer, Priscilla Y. Hsue, Vasantha Jotwani, Michelle M. Estrella, Michael A. Horberg, Carl Grunfeld, and Michael G. Shlipak
e005387. DOI: 10.1161/JAHA.116.005387.

Hypertension

Monocrotaline Induces Endothelial Injury and Pulmonary Hypertension by Targeting the Extracellular Calcium-Sensing Receptor

Rui Xiao, Yuan Su, Tian Feng, Mengxiang Sun, Bingxun Liu, Jiwei Zhang, Yankai Lu, Jiansha Li, Tao Wang, Liping Zhu, and Qinghua Hu
e004865. DOI: 10.1161/JAHA.116.004865.

Associations of Blood Pressure Dipping Patterns With Left Ventricular Mass and Left Ventricular Hypertrophy in Blacks: The Jackson Heart Study

Marwah Abdalla, Melissa C. Caughey, Rikki M. Tanner, John N. Booth III, Keith M. Diaz, D. Edmund Anstey, Mario Sims, Joseph Ravenell, Paul Muntner, Anthony J. Viera, and Daichi Shimbo
e004847. DOI: 10.1161/JAHA.116.004847.

Detrimental Effects of Centrally Administered Angiotensin II are Enhanced in a Mouse Model of Alzheimer Disease Independently of Blood Pressure

Koki Takane, Yu Hasegawa, Bowen Lin, Nobutaka Koibuchi, Cheng Cao, Takashi Yokoo, and Shokei Kim-Mitsuyama
e004897. DOI: 10.1161/JAHA.116.004897.

Imaging

Aortic Calcification Onset and Progression: Association With the Development of Coronary Atherosclerosis

Hagen Kälsch, Nils Lehmann, Susanne Moebus, Barbara Hoffmann, Andreas Stang, Karl-Heinz Jöckel, Raimund Erbel, and Amir A. Mahabadi
e005093. DOI: 10.1161/JAHA.116.005093.

Echocardiographic Pulmonary Artery Systolic Pressure in the Coronary Artery Risk Development in Young Adults (CARDIA) Study: Associations With Race and Metabolic Dysregulation

Evan L. Brittain, Chike Nwabuo, Meng Xu, Deepak K. Gupta, Anna R. Hemnes, Henrique T. Moreira, Henrique Doria De Vasconcellos, James G. Terry, Jeffrey J. Carr, and Joao A. C. Lima
e005111. DOI: 10.1161/JAHA.116.005111.

Diagnostic Accuracy of 3.0-T Magnetic Resonance T1 and T2 Mapping and T2-Weighted Dark-Blood Imaging for the Infarct-Related Coronary Artery in Non-ST-Segment Elevation Myocardial Infarction

Jamie Layland, Samuli Rauhalampi, Matthew M. Y. Lee, Nadeem Ahmed, Jaclyn Carberry, Vannesa Teng Yue May, Stuart Watkins, Christie McComb, Kenneth Mangion, John D. McClure, David Carrick, Anna O'Donnell, Arvind Sood, Margaret McEntegart, Keith G. Oldroyd, Aleksandra Radjenovic, and Colin Berry
e004759. DOI: 10.1161/JAHA.116.004759.

Associations Between Left Ventricular Dysfunction and Brain Structure and Function: Findings From the SABRE (Southall and Brent Revisited) Study

Chloe M. Park, Emily D. Williams, Nish Chaturvedi, Therese Tillin, Robert J. Stewart, Marcus Richards, Dean Shibata, Jamil Mayet, and Alun D. Hughes
e004898. DOI: 10.1161/JAHA.116.004898.

Progression of Coronary Artery Calcium and Incident Heart Failure: The Multi-Ethnic Study of Atherosclerosis

Hooman Bakhshi, Bharath Ambale-Venkatesh, Xiaoying Yang, Mohammad R. Ostovaneh, Colin O. Wu, Matthew Budoff, Hossein Bahrami, Nathan D. Wong, David A. Bluemke, and João A.C. Lima
e005253. DOI: 10.1161/JAHA.116.005253.

Interventional Cardiology

Impact of Diabetes Mellitus on the Pharmacodynamic Effects of Ticagrelor Versus Clopidogrel in Troponin-Negative Acute Coronary Syndrome Patients Undergoing Ad Hoc Percutaneous Coronary Intervention

Joseph M. Sweeny, Dominick J. Angiolillo, Francesco Franchi, Fabiana Rollini, Ron Waksman, Ganesh Raveendran, George Dangas, Naeem D. Khan, Glenn F. Carlson, Yonggang Zhao, Renli Teng, and Roxana Mehran
e005650. DOI: 10.1161/JAHA.117.005650.

Association Between Chronic Kidney Disease and Rates of Transfusion and Progression to End-Stage Renal Disease in Patients Undergoing Transradial Versus Transfemoral Cardiac Catheterization—An Analysis From the Veterans Affairs Clinical Assessment Reporting and Tracking (CART) Program

Amit N. Vora, Maggie Stanislawski, Gary K. Grunwald, Mary E. Plomondon, John S. Rumsfeld, Thomas M. Maddox, Mladen I. Vidovich, Walter Woody, Brahmajee K. Nallamothu, Hitinder S. Gurm, and Sunil V. Rao
e004819. DOI: 10.1161/JAHA.116.004819.

Total Thrombus-formation Analysis System Predicts Periprocedural Bleeding Events in Patients With Coronary Artery Disease Undergoing Percutaneous Coronary Intervention

Yu Oimatsu, Koichi Kaikita, Masanobu Ishii, Tatsuro Mitsuse, Miwa Ito, Yuichiro Arima, Daisuke Sueta, Aya Takahashi, Satomi Iwashita, Eiichiro Yamamoto, Sunao Kojima, Seiji Hokimoto, and Kenichi Tsujita
e005263. DOI: 10.1161/JAHA.116.005263.

Kidney in Cardiovascular Disease

Increased Arterial Stiffness is an Independent Predictor of Renal Function Decline in Patients With Type 2 Diabetes Mellitus Younger Than 60 Years

Nikolaos Fountoulakis, Chiraag Thakrar, Kishan Patel, Giancarlo Viberti, Luigi Gnudi, and Janaka Karalliedde
e004934. DOI: 10.1161/JAHA.116.004934.

Molecular Cardiology

β -Adrenergic Stimulation Induces Histone Deacetylase 5 (HDAC5) Nuclear Accumulation in Cardiomyocytes by B55 α -PP2A-Mediated Dephosphorylation

Kate L. Weeks, Antonella Ranieri, Agnieszka Karaś, Bianca C. Bernardo, Alexandra S. Ashcroft, Chris Molenaar, Julie R. McMullen, and Metin Avkiran
e004861. DOI: 10.1161/JAHA.116.004861.

Intracellular Angiotensin-II Interacts With Nuclear Angiotensin Receptors in Cardiac Fibroblasts and Regulates RNA Synthesis, Cell Proliferation, and Collagen Secretion

Artavazd Tadevosyan, Jiening Xiao, Sirirat Surinkaew, Patrice Naud, Clémence Merlen, Masahide Harada, Xiaoyan Qi, David Chatenet, Alain Fournier, Bruce G. Allen, and Stanley Nattel
e004965. DOI: 10.1161/JAHA.116.004965.

In Utero Particulate Matter Exposure Produces Heart Failure, Electrical Remodeling, and Epigenetic Changes at Adulthood

Vineeta Tanwar, Matthew W. Gorr, Markus Velten, Clayton M. Eichenseer, Victor P. Long, III, Ingrid M. Bonilla, Vikram Shettigar, Mark T. Ziolo, Jonathan P. Davis, Stephen H. Baine, Cynthia A. Carnes, and Loren E. Wold
e005796. DOI: 10.1161/JAHA.117.005796.

Preventive Cardiology

Statin Eligibility and Outpatient Care Prior to ST-Segment Elevation Myocardial Infarction

Michael D. Miedema, Ross F. Garberich, Lucas J. Schnaidt, Erin Peterson, Craig Strauss, Scott Sharkey, Thomas Knickelbine, Marc C. Newell, and Timothy D. Henry
e005333. DOI: 10.1161/JAHA.116.005333.

Stroke

Hepatic Ketogenesis Induced by Middle Cerebral Artery Occlusion in Mice

Konrad Koch, Dirk Berressem, Jan Konietzka, Anna Thinnies, Gunter P. Eckert, and Jochen Klein
e005556. DOI: 10.1161/JAHA.117.005556.

Valvular Heart Disease

Short Length of Stay After Elective Transfemoral Transcatheter Aortic Valve Replacement is Not Associated With Increased Early or Late Readmission Risk

Maneesh Sud, Feng Qui, Peter C. Austin, Dennis T. Ko, David Wood, Andrew Czarnecki, Vaidehi Patel, Douglas S. Lee, and Harindra C. Wijeyesundera
e005460. DOI: 10.1161/JAHA.116.005460.

Altered MicroRNA Expression Is Responsible for the Pro-Osteogenic Phenotype of Interstitial Cells in Calcified Human Aortic Valves

Rui Song, David A. Fullerton, Lihua Ao, Ke-seng Zhao, T. Brett Reece, Joseph C. Cleveland, Jr, and Xianzhong Meng
e005364. DOI: 10.1161/JAHA.116.005364.

Vascular Medicine

Dual Function for Mature Vascular Smooth Muscle Cells During Arteriovenous Fistula Remodeling

Jinjing Zhao, Frances L. Jourd'heuil, Min Xue, David Conti, Reynold I. Lopez-Soler, Roman Ginnan, Arif Asif, Harold A. Singer, David Jourd'heuil, and Xiaochun Long
e004891. DOI: 10.1161/JAHA.116.004891.

Bilirubin Prevents Atherosclerotic Lesion Formation in Low-Density Lipoprotein Receptor-Deficient Mice by Inhibiting Endothelial VCAM-1 and ICAM-1 Signaling

Megan E. Vogel, Gila Idelman, Eddy S. Konanah, and Stephen D. Zucker
e004820. DOI: 10.1161/JAHA.116.004820.

Use of p53-Silenced Endothelial Progenitor Cells to Treat Ischemia in Diabetic Peripheral Vascular Disease

Nabanita Kundu, Cleyton C. Domingues, Cyril Chou, Neeki Ahmadi, Sara Houston, D. Joseph Jerry, and Sabyasachi Sen
e005146. DOI: 10.1161/JAHA.116.005146.

Long-Term Follow-up of the PADI Trial: Percutaneous Transluminal Angioplasty Versus Drug-Eluting Stents for Infrapopliteal Lesions in Critical Limb Ischemia

Marlon I. Spreen, Jasper M. Martens, Bob Knippenberg, Lukas C. van Dijk, Jean-Paul P. M. de Vries, Jan Albert Vos, Gert Jan de Borst, Evert-Jan P. A. Vonken, Okker D. Bijlstra, Jan J. Wever, Randolph G. Stadius van Eps, Willem P. Th. M. Mali, and Hendrik van Overhagen
e004877. DOI: 10.1161/JAHA.116.004877.

Potent Vasoconstrictor Kisspeptin-10 Induces Atherosclerotic Plaque Progression and Instability: Reversal by its Receptor GPR54 Antagonist

Kengo Sato, Remina Shirai, Mina Hontani, Rina Shinooka, Akinori Hasegawa, Tomoki Kichise, Tomoyuki Yamashita, Hayami Yoshizawa, Rena Watanabe, Taka-aki Matsuyama, Hatsue Ishibashi-Ueda, Shinji Koba, Youichi Kobayashi, Tsutomu Hirano, and Takuya Watanabe
e005790. DOI: 10.1161/JAHA.117.005790.

Systematic Review and Meta-Analysis

Sex-Specific Relationship Between Serum Uric Acid and Risk of Stroke: A Dose-Response Meta-Analysis of Prospective Studies

Chongke Zhong, Xiaoyan Zhong, Tian Xu, Tan Xu, and Yonghong Zhang
e005042. DOI: 10.1161/JAHA.116.005042.

Optimal Timing of Complete Revascularization in Acute Coronary Syndrome: A Systematic Review and Meta-Analysis

Rouan Gaffar, Bettina Habib, Kristian B. Fillion, Pauline Reynier, and Mark J. Eisenberg
e005381. DOI: 10.1161/JAHA.116.005381.

Contemporary Review

An Appraisal of Methods Recently Recommended for Testing Salt Sensitivity of Blood Pressure

Theodore W. Kurtz, Stephen E. DiCarlo, Michal Pravenec, and R. Curtis Morris, Jr
e005653. DOI: 10.1161/JAHA.117.005653.

Correction

Marital History and Survival After Stroke

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