

Original Articles

Atrial Structure and Function

Age, Sex, and Blood Pressure-Related Influences on Reference Values of Left Atrial Deformation and Mechanics From a Large-Scale Asian Population

Jo-Nan Liao, MD; Tze-Fan Chao, MD; Jen-Yuan Kuo, MD; Kuo-Tzu Sung, MD; Jui-Peng Tsai, MD;
Chi-In Lo, MD; Yau-Huei Lai, MD; Cheng-Huang Su, MD, PhD; Chung-Lieh Hung, MD;
Hung-I Yeh, MD, PhD; Shih-Ann Chen, MD

e006077

■ Editorial Left Atrial Strain: A Must or a Plus for Routine Clinical Practice?

Erwan Donal, MD, PhD; Elena Galli, MD, PhD; Frederic Schnell, MD, PhD

e007023

Coronary Artery Disease

Coronary Artery Calcium Distribution Is an Independent Predictor of Incident Major Coronary Heart Disease Events: Results From the Framingham Heart Study

Maros Ferencik, MD, PhD; Karol M. Pencina, PhD; Ting Liu, MD; Khristine Ghemigian, BA, MHS;
Kristin Baltrusaitis, MA; Joseph M. Massaro, PhD; Ralph B. D'Agostino, Sr, PhD;
Christopher J. O'Donnell, MD, MPH; Udo Hoffmann, MD, MPH

e006592

■ Editorial Not Every Coronary Artery Calcium Is the Same: Implications of Novel Measurements for Clinical Practice?

Marcio Sommer Bittencourt, MD, MPH, PhD; Khurram Nasir, MD, MPH

e006953

Intravascular Imaging

Multimodality Intracoronary Imaging With Near-Infrared Spectroscopy and Intravascular Ultrasound in Asymptomatic Individuals With High Calcium Scores

Ryan D. Madder, MD; Stacie VanOosterhout, MEd; David Klungle, PA; Abbey Mulder, BSN, RN;
Matthew Elmore, MA; Jeffrey M. Decker, MD; David Langholz, MD; Thomas F. Boyden, MD;
Jessica Parker, MS; James E. Muller, MD

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Akiko Maehara, MD; Gregg W. Stone, MD

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Peripheral Arterial Disease

Presence, Characteristics, and Prognostic Associations of Carotid Plaque Among People Living With HIV

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Thomas Mayrhofer, PhD; Orla Hennessy, MD; Hamed A. Emami, MD; Jakob Park, MD; Alexander Ivanov, BS;
Travis R. Hallett, BA; Michael T. Lu, MD; Javier M. Romero, MD; Steven K. Grinspoon, MD;
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■ Editorial Imaging to End Points: Cardiovascular Disease Risk Assessment in HIV

Ahmed M. Gharib, MD; Colleen Hadigan, MD, MPH

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Valvular Heart Disease

Risk Stratification of Severe Aortic Stenosis With Preserved Left Ventricular Ejection Fraction Using Peak Aortic Jet Velocity: An Outcome Study

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■ Editorial Assessment of the Patient With Severe Aortic Stenosis: Getting Closer to the Truth

Patricia A. Pellikka, MD e007084

Preload Stress Echocardiography Predicts Outcomes in Patients With Preserved Ejection Fraction and Low-Gradient Aortic Stenosis

Kenya Kusunose, MD, PhD; Hirotsugu Yamada, MD, PhD; Susumu Nishio, MS; Yuta Torii, MS; Yukina Hirata, PhD; Hiromitsu Seno, MD; Yoshihito Saijo, MD; Takayuki Ise, MD, PhD; Koji Yamaguchi, MD, PhD; Shusuke Yagi, MD, PhD; Takeshi Soeki, MD, PhD; Tetsuzo Wakatsuki, MD, PhD; Masataka Sata, MD, PhD e006690

■ Editorial Preload Stress Echocardiography: A New Tool to Confirm Severity of Low-Gradient Aortic Stenosis

Philippe Pibarot, DVM, PhD; Marie-Annick Clavel, DVM, PhD e007035

Ventricular Structure and Function

Metoprolol Reduces Hemodynamic and Metabolic Overload in Asymptomatic Aortic Valve Stenosis Patients: A Randomized Trial

Nils Henrik Hansson, MD, PhD; Jens Sørensen, MD, DMSc; Hendrik Johannes Harms, PhD; Won Yong Kim, MD, DMSc; Roni Nielsen, MD, PhD; Lars Poulsen Tolbod, PhD; Jørgen Frøkiær, MD, DMSc; Kirsten Bouchelouche, MD, DMSc; Karen Kaae Dodt, MD, PhD; Inger Sihm, MD, PhD; Steen Hvitfeldt Poulsen, MD, DMSc; Henrik Wiggers, MD, DMSc e006557

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Jolanda van der Velden, PhD e007015

Advances in Cardiovascular Imaging

Machine Learning Approaches in Cardiovascular Imaging

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Chao Huang, PhD; Stephen Wasmund, PhD; Robert Hitchcock, PhD; Nassir F. Marrouche, MD; Frank B. Sachse, PhD e006881

Correspondence

Letter by Chung and Kim Regarding Article, “Head-to-Head Comparison of Inflammation and Neovascularization in Human Carotid Plaques: Implications for the Imaging of Vulnerable Plaques”

Hyemoon Chung, MD; Weon Kim, MD, PhD e006995

Response by Demeure et al to Letter Regarding Article, “Head-to-Head Comparison of Inflammation and Neovascularization in Human Carotid Plaques: Implications for the Imaging of Vulnerable Plaques”

Fabian Demeure, MD; Caroline Bouzin, PhD; Véronique Roelants, MD, PhD; Anne Bol, PhD; Robert Verhelst, MD, PhD; Parla Astarci, MD, PhD; Bernhard L. Gerber, MD, PhD; Anne-Catherine Pouleur, MD, PhD; Agnès Pasquet, MD, PhD; Christophe de Meester, PhD; Jean-Louis J. Vanoverschelde, MD, PhD; David Vancraeynest, MD, PhD e007012

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