



Non Invasive Imaging (Echocardiography, Nuclear, PET, MR & CT) - Poster Contributions

Session #1117

Non Invasive Imaging: Applications in Novel Disease States and Clinical Scenarios

Friday, March 17, 2017, 9:30 a.m. - 12:30 p.m.

Poster Hall, Hall C

CME Hours: 0.75 /CNE Hours: 0.75

197 - Small Dense Low Density Lipoprotein Particle Number Relates to Coronary Plaque Burden Independent of Traditional Cardiovascular Risk Factors in Psoriasis

Balaji Natarajan, Abhishek Chaturvedi, Amit Dey, Jonathan Chung, Joshua Rivers, Anshuma Rana, Justin Rodante, Heather Teague, Joanna Silverman, Gregory Sanda, Alexander Sorokin, Yvonne Baumer, Charlotte Harrington, Joseph Lerman, Aditya Joshi, Martin Playford, Nehal Mehta, National Institutes of Health, Bethesda, MD, USA, University of Arizona College of Medicine at South Campus, Tucson, AZ, USA

198 - Angiographic Dye Prior to Combined Heart-Kidney Donation Does Not Appear to Harm Donor Kidney Function After Transplant

Derek Leong, Tamar Aintablian, Jignesh Patel, Michelle Kittleson, Dael Geft, Lawrence Czer, Jon Kobashigawa, Cedars-Sinai Heart Institute, Los Angeles, CA, USA

199 - Prognostic Implications of Epicardial Fat Volume Quantification in Acute Pericarditis

Alexis S. Antonopoulos, George Lazaros, Evangelos Oikonomou, Panagiotis Vasileiou, Evangelos Oikonomou, Evangelia Stroumpouli, Apostolos Karavidas, Charalambos Antoniadis, Dimitris Tousoulis, Cardiology Department, Hippokraton Hospital, Athens Medical School, Athens, Greece

200 - Utility of Cardiac Computed Tomography Scanning in the Diagnosis and Pre-Operative Evaluation of Patients With Infective Endocarditis

Jason Sims, Nandan Anavekar, Krishnaswamy Chandrasekaran, James Steckelberg, Walter Wilson, Bernard Gersh, Larry Baddour, Daniel Christopher DeSimone, Mayo Clinic, Rochester, MN, USA

201 - Is There an Association Between Vitamin D Deficiency and Disease Severity on Coronary CT Angiography?

Anna Liza Valina-Toth, Judith Boura, Gilbert Raff, Kavitha Chinnaiyan, William Beaumont Hospital, Royal Oak, MI, USA

202 - Aortic Vascular Inflammation by 18-FDG PET/CT Associates With High-Risk Coronary Plaques in Young Psoriasis Patients

Abhishek Chaturvedi, Joseph Lerman, Veit Sandfort, Jonathan Chung, Amit Dey, Joshua Rivers, Aditya Joshi, Anshuma Rana, Justin Rodante, Heather Teague, Joanna Silverman, Qimin Ng, Greg Sanda, Charlotte Harrington, Alexander Sorokin, Yvonne Baumer, Joel Gelfand, Martin Playford, Mark Ahlman, David Bluemke, Nehal Mehta, National Institutes of Health, Bethesda, MD, USA

203 - Impact of Cardiac Troponin I on the Presence of the Coronary Artery Plaque in Rheumatoid Arthritis patients

Negin Nezarat, Dong Li, Matthew Budoff, Rine Nakanishi, Nasim Sheidaii, Sina Rahmani, Kazuhiro Osawa, Hong Qi, Michael Kim, Eranthi Jayawardena, Nicolai Hathiramani, Ferdinand Flores, George Karpouzas, Los Angeles Biomedical Research Institute, Torrance, CA, USA

204 - Association of Abdominal Aortic Wall Inflammation, Hepatic Fluorodeoxyglucose Uptake AND Visceral Adipose Tissue Biological Activity in Patients With Dyslipidemias

Koutagiar Peter Iosif, Konstantinos Toutouzas, Georgios Benetos, Nikoletta Piannou, Alexios Antonopoulos, Alexandros Georgakopoulos, Ioannis Skoumas, Spyridon Galanakis, Angeliki Rigatou, Pavlos Kafouris, Andreas Synetos, George Spyrou, Charalambos Antoniadis, Eleftherios Tsiamis, Konstantinos Anagnostopoulos, Dimitris Tousoulis, First Department of

Cardiology, Medical School, University of Athens, Hippokraton Hospital, Athens, Greece, Biomedical Research Foundation A, Athens, Greece

205 - The Intracavitary Coronary Artery: A Rare Anomaly With Implications for Invasive Cardiac Procedures - Demonstration by Coronary Computed Tomography Angiography

Christopher Michael Buckley, Thomas Rosamond, S. Roy Hegde, Louis Wetzel, University of Kansas School of Medicine, Kansas City, KS, USA

206 - Left Ventricular Assist Device Evaluation Using Cardiac CT: Initial Experience at a High Volume Center

William Guy Weigold, Valerie Verdun, MedStar Washington Hospital Center, Washington, DC, USA, Georgetown University School of Medicine, Washington, DC, USA

Non Invasive Imaging (Echocardiography, Nuclear, PET, MR & CT) - Poster Contributions

Session #1118

Non Invasive Imaging: MR Characterization and Function

Friday, March 17, 2017, 9:30 a.m. - 12:30 p.m.

Poster Hall, Hall C

CME Hours: 0.75 /CNE Hours: 0.75

207 - Myocardial Oxygenation Using Blood Level-Oxygen Dependent Sequence in Magnetic Resonance Determines Myocardial Energetics and Capillary Density

Carlos G. Santos-Gallego, Ida U. Njerve, Belen Picatoste, Kiyotake Ishikawa, Roger Hajjar, Valentin Fuster, Angel Sanz Salvo, Juan Badimon, Icahn School of Medicine at Mount Sinai, New York, NY, USA

208 - Defining Risk Associated With Left Ventricular Hypertrophy Patterns as Assessed by Cardiac Magnetic Resonance Imaging

Robert J. H. Miller, Ahmed Abdi Ali, Yoko Mikami, Bobby Heydari, Andrew Howarth, Carmen Lydell, Stephen Wilton, James White, University of Calgary, Calgary, Canada

209 - Elevated Myocardial Extracellular Volume Fraction (ECV) and Its Prognostic Significance in Diabetic Individuals

Mohammad Khan, Eric Yang, Mohamad Ghosn, Faisal Nabi, Stephen Pickett, Patrick Green, David Aguilar, William Zoghbi, Sherif Nagueh, Dipan Shah, The Houston Methodist Hospital, Houston, TX, USA

210 - Left Ventricular Torsion Shear Angle Volume Approach for Non-Invasive Evaluation of Diastolic Dysfunction in Preserved Ejection Fraction

Himanshu Gupta, Oleg F. Sharifov, Chun S. Schiros, Inmaculada Aban, Gilbert Perry, Louis J. Dell'italia, Thomas Denney, University of Alabama at Birmingham, Birmingham, AL, USA

211 - T1 Mapping Assesses Diagnosis, Severity and Prognosis in Acute Myocarditis

Chirag Agarwal, Carlos Santos-Gallego, Juan Antonio Requena-Ibanez, Allen Weiss, Rebecca Smoller, Valentin Fuster, Juan Badimon, Angel Sanz Salvo, Maimonides Medical Center, Brooklyn, NY, USA, Icahn School of Medicine at Mount Sinai, New York, NY, USA

212 - Is Myocardial Fibrosis a Hallmark of Paradoxical Low Gradient Aortic Stenosis?

Alisson Slimani, Clotilde Roy, Christophe De Meester, Mihaela Amzulescu, Christophe Beauloye, Anne-Catherine Pouleur, David Vancraeynest, Agnes Pasquet, Bernhard Gerber, Jean-Louis Vanoverschelde, Cliniques Universitaires Saint Luc, Brusel, Belgium

213 - Prognostic Value and Determinants of Left Atrial Function Assessed by Cardiac Magnetic Resonance in ST-Segment Elevation Myocardial Infarction

Jakob Ledwoch, Thomas Stiermeier, Georg Fuernau, Suzanne de Waha, Charlotte Eitel, Janine Poess, Steffen Desch, Gerhard Schuler, Holger Thiele, Ingo Eitel, University Heart Center Luebeck, Luebeck, Germany



214 - An Unrestrained Proinflammatory M1 Macrophage Population Induced by Iron Nanocrystals Impairs Myocardial Healing After Hemorrhagic Infarction

Ivan Cokic, Avinash Kali, Richard Tang, Hsin-Jung Yang, Andreas Kumar, Frank S. Prato, Joseph Francis, Eduardo Marban, Rohan Dharmakumar, Cedars-Sinai Medical Center, Los Angeles, CA, USA

215 - Time Varying Effect of Total Scar on Mortality in Patients With Cardiomyopathy Undergoing Cardiac Resynchronization Therapy

Saleem Toro, Serge Harb, Nancy Obuchowski, Niraj Varma, Scott Flamm, Brian Griffin, Deborah Kwon, Cleveland Clinic Foundation, Cleveland, OH, USA

216 - Validation of CMR-Derived Left Ventricular Strain Measurements by Free-Breathing Motion-Corrected Cine Imaging

Anthony Merlocco, Russell Cross, Peter Kellman, Hui Xue, Michael Hansen, Laura Olivieri, Children's National Health System, Washington, DC, USA

Non Invasive Imaging (Echocardiography, Nuclear, PET, MR & CT) - Poster Contributions

Session #1119

Imaging the Athlete's Heart

Friday, March 17, 2017, 9:30 a.m. - 12:30 p.m.

Poster Hall, Hall C

CME Hours: 0.75 /CNE Hours: 0.75

217 - Pooled Cohort Equation and Coronary Artery Calcium in Retired National Football League Athletes

David Carruthers, Parag Joshi, Christopher Maroules, Colby Ayers, James Gentry, Philip Aagaard, Rory Hachamovitch, Reginald Dunn, Andrew Lincoln, Andrew Tucker, Kezia Alexander, Dermot Phelan, University of Texas Southwestern Medical Center, Dallas, TX, USA, Department of Cardiovascular Medicine, Heart and Vascular Institute, Cleveland Clinic, Cleveland, OH, USA

218 - Acute Coronary Syndromes During Endurance Sports: Olmsted County Experience

Karina Auristela Gonzalez Carta, Stephanie Joppa, Shausha Farooq, Nasir Hussain, Thomas Allison, Mayo Clinic, Rochester, MN, USA

219 - Differential American-Style Football Training Intensities and Cardiac and Vascular Remodeling Patterns

Jonathan H. Kim, Casey Hollowed, Morgan Irwin-Weyant, Keyur Patel, Kareem Hosny, Hiroshi Aida, Zaina Gowani, Patrick Gleason, Salman Sher, James Shoop, Angelo Galante, Craig Clark, Thomas Marshall, Gene Patterson, Gary Schmitt, Yi-An Ko, Arshed Quyyumi, Aaron Baggish, Emory University, Atlanta, GA, USA

220 - Sleep Disordered Breathing and Cardiovascular Correlates in Collegiate American Style Football Participants

Jonathan H. Kim, Casey Hollowed, Morgan Irwin-Weyant, Keyur Patel, Kareem Hosny, Patrick Gleason, Hiroshi Aida, Zaina Gowani, Salman Sher, James Shoop, Angelo Galante, Craig Clark, Arshed Quyyumi, Nancy Collop, Aaron Baggish, Emory University, Atlanta, GA, USA

221 - Addressing Reference Echocardiographic Parameters in Athletic Screening: A College Football-Based Study Focusing on the Implications of Race and Correction for Body Composition

Kegan Moneghetti, Tamanna Singh, Zoe Kooreman, Jeffrey Christle, Victor Froelicher, Matthew Wheeler, Euan Ashley, Francois Haddad, Stanford Cardiovascular Institute, Palo Alto, CA, USA

222 - General Population Screening for Sudden Cardiac Death in Young Individuals: Is It Feasible, Is It Justifiable & How Much Does It Cost?

Navin Chandra, Mohamad Barakat, Harshil Dhutia, Michael Papadakis, Rachel Bastiaenen, Sanjay Sharma, St. George's University of London, London, United Kingdom

223 - Free-Breathing MRI Evaluation of Cardiac Volume Measurements During In-Scanner Exercise

James David Enos, Hui Xue, Peter Kellman, Michael Hansen, Russell Cross, Children's National Health System, Washington, DC, USA, National Institutes of Health, Bethesda, MD, USA

224 - Deformation Analysis Can Be Performed on Post-Exercise Images in National Basketball Association Draft Eligible Players With Good Reproducibility

Balajash Cheema, Sumeet Mitter, Juliet Ryan, Vera Rigolin, Jyothy Puthumana, James Thomas, Bluhm Cardiovascular Institute, Northwestern University, Feinberg School of Medicine, Chicago, IL, USA

Non Invasive Imaging (Echocardiography, Nuclear, PET, MR & CT) - Poster Contributions

Session #1120

Novel Echocardiographic Methods for Assessing Cardiac Function

Friday, March 17, 2017, 9:30 a.m. - 12:30 p.m.

Poster Hall, Hall C

CME Hours: 0.75 /CNE Hours: 0.75

228 - Real Time Three-Dimensional Echocardiography in the Evaluation of Regional and Global Right Ventricular Systolic Function in Patients With Atrial Septal Defect Before and After Percutaneous Closure

William K. F. Kong, The National University Heart Centre, Singapore, Singapore

229 - 2d Speckle Tracking Echocardiography in Identifying the Degree of Recoverability of Sub Clinical Right Ventricular Dysfunction in Patients With Newly Diagnosed Osa Receiving Cpap Therapy

Chi Yui Yung, Jonathan Chan, Yuk Kong Lau, Akira Yamada, Ruttonjee Hospital, Hong Kong, Hong Kong

230 - Prognostic Implications of Left Ventricular Global Longitudinal Strain in Stage 4 and 5 Chronic Kidney Disease Patients

Liselotte C. R. Hensen, Kathleen Goossens, Joris Rotmans, Johan Jukema, Victoria Delgado, Jeroen Bax, Leiden University Medical Center, Leiden, The Netherlands

231 - Use of Diastolic Parameters on Transthoracic Echocardiogram to Predict Left Atrial Appendage Thrombus in Patients With Atrial Fibrillation

Michael Seth Garshick, Jennifer Mulliken, Matthew Schoenfeld, Katherine Riedy, Yu Guo, Judy Zhong, John A. Dodson, Muhamed Saric, Adam Skolnick, New York University Medical Center, New York, NY, USA

232 - Subclinical Myocardial Alterations in Cardiac Sarcoidosis

Cristina Di Stefano, Giulia Bruno, Gayatri Acharya, Rachel Le, Lynn Fussner, Patompong Ungprasert, Leslie Cooper, Lori Blauwet, Patricia Pellikka, Jay Ryu, Eva M. Carmona, Hector Villarraga, Mayo Clinic, Rochester, MN, USA

233 - Coronary Microvascular Dysfunction Affects the Myocardial Contractile Reserve in Women With Angina and No Obstructive Coronary Artery Disease

Marie Mide Michelsen, Adam Pena, Naja Mygind, Ida Gustafsson, Nis Host, Jan Bech, Henrik Steen Hansen, Jens Kastrup, Peter Riis Hansen, Eva Prescott, Bispebjerg University Hospital, Copenhagen, Denmark

234 - Racial Differences in Left Ventricular Recovery in Patients With Peripartum Cardiomyopathy Assessed by Global Longitudinal Strain

Masataka Sugahara, Dennis McNamara, Joan Briller, Leslie Cooper, Julie Damp, Mark H. Drazner, James Fett, Eileen Hsieh, Navin Rajagopalan, John Gorcsan, University of Pittsburgh Medical Center, Pittsburgh, PA, USA

235 - Clinical Validation of ASE 2016 Guidelines for Evaluating Left Ventricular Diastolic Dysfunction

Matthew Auvoung, Marina Trilesskaya, Thomas Frohlich, Clare Waterloo, Darwin Pastor, Donovan Huynh, Sophie Barbant, Highland Hospital, Oakland, CA, USA



236 - Biventricular Cardiac Function in Sub-Saharan Africans With Sickle Cell Disease

Adebayo Atanda, Yahya Aliyu, Oluwafunmilayo Atanda, Aliyu Babadoko, Aisha I. Mamman, Zakari Y. Aliyu, Howard University Hospital, Washington, DC, USA, Ahmadu Bello University, Zaria, Nigeria

237 - Long-Term Effects of Right Ventricular Pacing on Left Ventricular Systolic and Diastolic Function and Synchrony by Strain Imaging in Patients With Normal Baseline Left Ventricular Ejection Fraction

Shuang Liu, Oral Waldo, Tripta Kaur, Ali Ahoui, Luis Scott, Tasneem Z. Naqvi, Mayo Clinic (Arizona), Scottsdale, AZ, USA

238 - Comparison of the Effects of Balloon Expandable and Self Expandable Transcatheter Aortic Valve Replacement on the Dimensions of the Mitral Valve Annulus and Mitral Regurgitation Severity

Joseph Burke, Ernesto Salcedo, Tamas Seres, Robert Quafe, Paola Roldan, Esra Donmez, John Messenger, John Carroll, University of Colorado School of Medicine, Aurora, CO, USA

239 - Echocardiographic Evidence For Left Ventricular Recovery After Refractory Ventricular Fibrillation Cardiac Arrest Treated With Primary Angioplasty And Extracorporeal Membrane Oxygenation

Kathleen Carlson, Luis Felipe N. Kazmirczak, Jason Bartos, Cindy Martin, Ganesh Raveendran, K. Madhu, John Ranjit, Emil Missov, Demetris Yannopoulos, University of Minnesota, Minneapolis, MN, USA

240 - Clinical and Echocardiographic Predictors of Atrial Fibrillation in Trauma Patients

Mohamed Morsy, Teresa Slomka, Anui Shukla, Dipan Uppal, Oluwaseun Akinseye, Santosh Koshy, Nadish Garg, University of Tennessee Health and Science Center, Memphis, TN, USA, Regional One Hospital, Memphis, TN, USA

241 - Immediate Effect of Percutaneous Mitral Balloon Valvuloplasty on Left Ventricular Function, Evaluated by Echocardiographic Strain Imaging

Srinidhi Jayadevappa, Cynthia Taub, Montefiore Medical Center, Bronx, NY, USA

242 - Cut Off Value of Rest Left Ventricular Global Longitudinal Strain Is Important in Selecting High Risk Patients With Stable Symptoms and Normal Left Ventricular Systolic Function

Mihaela Bolog, Mihaela Dumitrescu, Elena Pacuraru, Florentina Romanoschi, Emergency Clinical Hospital "Prof. Dr. Agrippa Ionescu", Bucharest, Romania

Non Invasive Imaging (Echocardiography, Nuclear, PET, MR & CT) - Moderated Poster Contributions

Session #1136M

Noninvasive Assessment of Coronary Flow Reserve: Clinical Implications

Friday, March 17, 2017, 10 a.m. - 12 p.m.

Non Invasive Imaging Moderated Poster Theater, Poster Hall, Hall C

CME Hours: 2 /CNE Hours: 2

ACC Poster Moderator: Vasken Dilsizian

ACC Poster Moderator: James K. Min

10:00 a.m.

Relationship of Coronary Flow Reserve With Body Mass Index and Adverse Outcomes in Patients Without Overt Ischemic Heart Disease: Implications for Metabolic Surgery Eligibility

Navkaranbir S. Bajaj, Michael Osborne, Ankur Gupta, Paco Bravo, Tomas Vita, Thomas Christensen, Courtney Foster, Jon Hainer, Meagan Harrington, Victoria Morgan, Sharmila Dorbala, Ron Blankstein, Marcelo F. Di Carli, Viviany Taqueti, Brigham and Women's Hospital, Boston, MA, USA

10:10 a.m.

Question and Answer

10:15 a.m.

Non-Invasive Coronary Flow Reserve Predicts Major Adverse Cardiac Events in Patients With Prior Coronary Artery Bypass Grafting

Amjad M. Ahmed, Ihab Sulaiman, Mousa Alfaris, Dalia Ahmed, Ahmed Aljazeera, Ahmed Alsaileek, Abdulbaset Sulaiman, Sherif Sakr, Mouaz Al-Mallah, King Abdulaziz Medical City, King Saud bin Abdulaziz University for Health Sciences, Riyadh, Saudi Arabia

10:25 a.m.

Question and Answer

10:30 a.m.

In the Presence of Significant Epicardial Coronary Disease, Diabetes Mellitus Is Further Associated With Reduced Myocardial Flow Reserve

Kai Yi Wu, Nicholas Timmerman, Rachel McPhedran, Rob Beanlands, Robert deKemp, Aun-Yeong Chong, University of Ottawa Heart Institute, Ottawa, Canada, University of Ottawa Faculty of Medicine, Ottawa, Canada

10:40 a.m.

Question and Answer

10:45 a.m.

Relationship Between Whole Vessel Quantitative Plaque Characteristics and Noninvasive Fractional Flow Reserve From Coronary Computed Tomography Angiography

Mhairi Katrina Doris, Yuka Otaki, Balaji Tamarappoo, Yoav Arnsen, Heidi Gransar, Frances Wang, Sean Hayes, John Friedman, Louise Thomson, Piotr Slomka, Damini Dey, Daniel Berman, Cedars-Sinai Medical Center, Los Angeles, CA, USA

10:55 a.m.

Question and Answer

11:00 a.m.

Atherosclerotic Plaque Morphology Is Associated With Impaired Myocardial Blood Flow and Fractional Flow Reserve, Independent of Luminal Obstruction

Roel Driessen, Wijnand Stuijzand, Pieter Raijmakers, Ibrahim Danad, James Min, Jonathon Leipsic, Amir Ahmadi, Jagat Narula, Peter van de Ven, Marc Huisman, Adriaan Lammertsma, Albert van Rossum, Niels Van Royen, Paul Knaapen, VU University Medical Center, Amsterdam, The Netherlands

11:10 a.m.

Question and Answer

11:15 a.m.

Can Necrotic Core Volume Explain Ischemia Coronary Stenosis Mismatch in Some Cases?

Amir Ali Ahmadi, Jonathan Leipsic, Kristian Oevrehus, Sara Gaur, Angel Sanz Salvo, Gina LaRocca, Pedro Moreno, Farah Lajam, Bjarne Norgaard, Jagat Narula, Ichan School of Medicine at Mount Sinai Hospital, New York, NY, USA, Aarhus University, Aarhus, Denmark

11:25 a.m.

Question and Answer

11:30 a.m.

Non-Invasive Coronary Flow Reserve Predicts Incident Atrial Fibrillation

Mouaz H. Al-Mallah, Amjad Ahmed, Ihab F. Sulaiman, Mousa Alfaris, Dalia Ahmed, Ahmed Alsaileek, Ahmed Aljazeera, Abdulbaset Sulaiman, King Abdulaziz Medical City, King Saud bin Abdulaziz University for Health Sciences, Riyadh, Saudi Arabia

11:40 a.m.

Question and Answer

11:45 a.m.

Association Between Coronary Flow Reserve and Adverse Cardiovascular Events Along a Continuum of Metabolic Disease in Symptomatic Patients Without Overt Coronary Artery Disease



Michael Thomas Osborne, Navkaranbir Bajaj, Viviany Taqueti, Paco Bravo, Tomas Vita, Ankur Gupta, Courtney Foster, Meagan Harrington, Victoria Morgan, Jon Hainer, Sharmila Dorbala, Ron Blankstein, Marcelo F. Di Carli, Brigham and Women's Hospital, Boston, MA, USA, Massachusetts General Hospital, Boston, MA, USA

11:55 a.m.
Question and Answer

Non Invasive Imaging (Echocardiography, Nuclear, PET, MR & CT) - Scientific

Session #613

Echocardiography: What is New in 2017

Friday, March 17, 2017, 12:15 p.m. - 1:45 p.m.

Ballroom A

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Jonathan Lindner
Co-Chair: Vera Rigolin

12:15 p.m.
Automated Quantification in Systolic Assessment and Valvular Heart Disease
James Thomas

12:30 p.m.
3D Printing and Holographic Images: Is the Future Here ?
Partho Sengupta
New York, NY

12:45 p.m.
Speckle Tracking, Strain, and Velocity Vortex Imaging: How to Best Implement to My Daily Practice
Jens-Uwe Voigt
Leuven, Belgium

1:00 p.m.
Perfusion Echo: Now That There is a CPT Code, is it Ready to Be Done in My Lab ?
Sharon Mulvagh
Rochester, MN

1:15 p.m.
Taking 3D to the Next Level: Fusion Imaging, Heart Model, What is Next?
Mani Vannan
Atlanta, GA

1:30 p.m.
Question and Answer

Non Invasive Imaging (Echocardiography, Nuclear, PET, MR & CT) - Poster Contributions

Session #1158

Non Invasive Imaging: MR Heart Failure and Pulmonary Hypertension

Friday, March 17, 2017, 1:30 p.m. - 4:30 p.m.

Poster Hall, Hall C

CME Hours: 0.75 /CNE Hours: 0.75

197 - Implementation of a Wideband Late Gadolinium Enhancement Cardiac Magnetic Resonance Protocol to Improve Assessment of Myocardial Scar in Patients With Implantable Cardioverter Defibrillators

Amita Singh, Keigo Kawaji, Roderick Tung, Karima Addetia, Noreen Nazir, Akhil Narang, Javed Zaidi, Ginny O'Keefe Baker, Roberto Lang, Amit Patel, University of Chicago Medical Center, Chicago, IL, USA

198 - Antecedent Hypertension and Myocardial Injury in Patients With Reperused ST-Elevation Myocardial Infarction

Sebastian Reinstadler, Thomas Stiermaier, Charlotte Eitel, Mohammed Saad, Bernhard Metzler, Suzanne de Waha, Georg Fuernau, Steffen Desch, Holger Thiele, Ingo Eitel, University Heart Center Luebeck, Medical Clinic II,

University of Luebeck, Luebeck, Germany, University Clinic of Internal Medicine III, Cardiology, Medical University of Innsbruck, Innsbruck, Austria

199 - Segmental Circumferential Strain Derived From DENSE Predicts Improvement of Left Ventricular Function Post ST Elevation Myocardial Infarction: The BHF MR-MI Study
Kenneth Mangion, Guillaume Clerfond, Christopher Rush, David Carrick, Christie McComb, Hao Gao, Xiaoyu Luo, Hany Eteiba, Martin Lindsay, Margaret McEntegart, Stuart Hood, Mark Petrie, Keith Oldroyd, Stuart Watkins, Andrew Davie, Xiaodong Zhong, Caroline Haig, Colin Berry, BHF Glasgow Cardiovascular Research Centre, University of Glasgow, Glasgow, United Kingdom, West of Scotland Heart and Lung Regional Centre, Golden Jubilee National Hospital, Clydebank, United Kingdom

200 - Cardiovascular Magnetic Resonance in the Evaluation of Fibrofatty Infiltration for Arrhythmogenic Right Ventricular Dysplasia/Cardiomyopathy (ARVD/C)

Andrew D. Choj, Andrew Bradley, Sujata Shanbhag, Peter Kellman, Oscar Levine, Christine Mancini, Marcus Chen, Andrew Arai, W. Patricia Bandettini, National Heart Lung and Blood Institute, National Institutes of Health, Bethesda, MD, USA, The George Washington University School of Medicine, Washington, DC, USA

201 - Normal Findings on Noninvasive Cardiac Assessment and the Prediction of Heart Failure: The Multi-Ethnic Study of Atherosclerosis (MESA)

Stephen Broughton, Wesley O'Neal, Mouaz Al-Mallah, David Bluemke, Susan Heckbert, Joao Lima, Elsayed Soliman, Wake Forest School of Medicine, Winston-Salem, NC, USA

202 - Improvement in Cholesterol Efflux Capacity Is Associated With a Reduction in Aortic Wall Thickness by MRI Independent of Traditional CV Risk Factors

Mohammad Tarek Kabbany, Amit Dey, Parag Shukla, Abhishek Chaturvedi, Anshuma Rana, Joshua Rivers, Jonathan Chung, Aditya Joshi, Joseph Lerman, Tsion Aberra, Justin Rodante, Heather Teague, Joanna Silverman, Qimin Ng, Mark Ahlman, Martin Playford, Nehal Mehta, The National Heart, Lung, and Blood Institute (NHLBI), Bethesda, MD, USA

203 - T1 Mapping in Patients With Heart Failure With Preserved Ejection Fraction Detects Increased Interstitial Myocardial Fibrosis and Assesses the Severity of Heart Failure

Allen Weiss, Juan Antonio Requena Ibanez, Chirag Agarwal, Rebecca Smoller, Johanna Contreras, Jagat Narula, Valentin Fuster, Juan Badimon, Angel Sanz Salvo, Carlos Santos-Gallego, Mount Sinai, New York, NY, USA

204 - Fibroblast Growth Factor 23 as Novel Biomarker for Early Risk Stratification After ST-Elevation Myocardial Infarction

Martin Reindl, Sebastian Reinstadler, Hans-Josef Feistritzer, Lukas Mueller, Constantin Koch, Agnes Mayr, Markus Theurl, Rudolf Kirchmair, Gert Klug, Bernhard Metzler, University Clinic of Internal Medicine III, Cardiology, Medical University of Innsbruck, Innsbruck, Austria, University Clinic of Radiology, Medical University of Innsbruck, Innsbruck, Austria

205 - Non-Invasive Quantification of Cardiac Output With Phase Velocity Mapping in Patients With Pulmonary Hypertension

Jose Ricardo Po, Matthew Tong, Talha Meeran, Alekhya Potluri, Mark Doyle, Amresh Raina, Robert Biederman, Allegheny General Hospital, Pittsburgh, PA, USA

206 - Prognostic Stratification in Patients With ST-Elevation Myocardial Infarction Over Transthoracic Echocardiography by CMR

Gianluca Pontone, Daniele Andreini, Giovanni Ferro, Andrea Igoeren Guaricci, Marco Guglielmo, Saima Mushtaq, Andrea Baggiano, Patrizia Carità, Mauro Pepi, Gianluca Pontone, Milan, Italy



Non Invasive Imaging (Echocardiography, Nuclear, PET, MR & CT) - Poster Contributions

Session #1159

Nuclear Cardiology: Prognosis

Friday, March 17, 2017, 1:30 p.m. - 4:30 p.m.

Poster Hall, Hall C

CME Hours: 0.75 /CNE Hours: 0.75

207 - The Prognostic Value of Serial Stress Myocardial Perfusion Imaging in Asymptomatic End-Stage Renal Disease Patients Awaiting Kidney Transplantation

Chiedozie Anokwute, Ibtihaj Fughhi, Marwan Wassouf, Michael Kharouta, Tania Campagnoli, Aviral Vij, George Khoudary, Rozi Khan, Meron Teshome, Andrew Appis, Rami Doukky, Rush University Medical Center, Chicago, IL, USA

208 - The Prognostic Value of Diastolic and Systolic Mechanical Left Ventricular Dyssynchrony Among Patients With Coronary Heart Disease

Marat Fudim, Peter R. Liu, Linda Shaw, Paul Hess, Olga James, Salvador Borges-Neto, Duke University, Durham, NC, USA

209 - Serial Myocardial Perfusion Imaging in End-Stage Renal Disease

William Edward Moody, Erica Lai Sze Lin, Emer Chang, Nicola Edwards, Benjamin Holloway, Charles Ferro, Jonathan Townend, Richard Steeds, Queen Elizabeth Hospital Birmingham, Birmingham, United Kingdom, University of Birmingham, Birmingham, United Kingdom

210 - Rest Myocardial Perfusion Imaging in the Management of Chest Pain: A Feasible and Secure Protocol in a Brazilian Emergency Department

Lucas Cronemberger Maia Mendes, Sebastiao L. L. Filho, Heleno R. Reis, Ludmilla R. A. Silva, Edmur C. Araujo, Carlos J. D. G. Barbosa, Hospital do Coração do Brasil, Brasília, Brazil

211 - Myocardial Scar but Not Ischemia Predicts Defibrillator Shocks and Sudden Cardiac Death in Patients With Reduced Left Ventricular Ejection Fraction

Ankur Gupta, Meagan Harrington, Navkaranbir Bajaj, Christine Albert, Jon Hainer, Victoria Morgan, Courtney Foster, Paco Bravo, Sara Seidelmann, Tomas Vita, Thomas Christensen, Sharmila Dorbala, Ron Blankstein, Viviany Taqueti, William Stevenson, Marcelo F. Di Carli, Brigham and Women's Hospital, Boston, MA, USA

Non Invasive Imaging (Echocardiography, Nuclear, PET, MR & CT) - Poster Contributions

Session #1160

Emerging Applications of Echocardiography

Friday, March 17, 2017, 1:30 p.m. - 4:30 p.m.

Poster Hall, Hall C

CME Hours: 0.75 /CNE Hours: 0.75

214 - Dilated Mid-Ascending Aorta in Hypertrophic Cardiomyopathy Is Associated With Dynamic Left Ventricular Outflow Tract Obstruction and Not With Genetic Abnormalities

Lily Ann Watson, Afshan Husain, Mirza Mujadil Ahmad, Mirza Nubair Ahmad, Michelle Bush, Khawaja Afzal Ammar, Bijoy K. Khandheria, A. Jamil Tajik, Aurora Cardiovascular Services, Aurora Sinai/Aurora St. Luke's Medical Centers, Milwaukee, WI, USA

212 - A New Modified Continuity Equation for Calculation of Aortic Valve Area by Integrating 3-D Measurements of LVOT Planimetry and LVOT Flow Mapping

Sunil Kanwal, Isheeka Tamali Edwards, Mark Russo, Bruce Haik, Marc Cohen, Chunguang Chen, Newark Beth Israel Medical Center, Newark, NJ, USA

215 - Clinical Characteristics and Changes of Valvuloarterial Impedance Severity in Patients Undergoing Transcatheter Aortic Valve Replacement for Severe Aortic Stenosis

Aarti A. Patel, Vishal Parikh, Allen Brown, Joseph Coffman, Fadi Matar, Christiano Caldeira, Robert Hooker, J. Thompson Sullebarger, Kevin Kip, Arthur Labovitz, Allan Chen, University of South Florida Department of Cardiovascular Sciences, Tampa, FL, USA

216 - Ratio of Transmittal Early Filling Velocity to Early Diastolic Strain Rate Predicts Long Term Risk of Cardiovascular Morbidity and Mortality in a Low Risk General Population

Mats Højbjerg Lassen, Sofie R. Biering-Sørensen, Flemming Javier Olsen, Rasmus Mogelvang, Jan Jensen, Tor Biering-Sorensen, Gentofte Hospital, Hellerup, Denmark

217 - Global Longitudinal Strain Corrected by RR-Interval Is a Superior Predictor of All-Cause Mortality in Patients With Systolic Heart Failure and Atrial Fibrillation

Daniel Modin, Morten Sengeløv, Peter Jørgensen, Niels Eske Bruun, Flemming Javier Olsen, Maria Dons, Thomas Fritz-Hansen, Jan Jensen, Tor Biering-Sorensen, Department of Cardiology, Gentofte University Hospital, Gentofte, Denmark

218 - The Relation Between Atrial Septal Defect Area, Diameter and Shape Using Balloon Sizing and Three-Dimensional Transoesophageal Echocardiography During Percutaneous Closure Using Occlutech Device
William K. F. Kong, The National University Heart Centre, Singapore, Singapore

219 - Functional and Hemodynamic Response During Exercise in Heart Failure Intermediate Versus Reduced Ejection Fraction

Vincenzo Tufaro, Francesco Bandera, Greta Generati, Eleonora Alfonzetti, Marco Guazzi, IRCCS Policlinico San Donato, San Donato Milanese, Italy

220 - Echocardiographic Assessment of Right Ventricular Function in Acute Right Ventricular Failure Identified by Hemodynamic Criteria

Veraprapas Kittipibul, Pakpoom Tantrachoti, Sanitpong Fongjunsom, Nath Zungsontiporn, Aekarach Ariyachaipanich, Sarawut Siwamogatham, Sarinya Puwanant, Faculty of Medicine, Chulalongkorn University, Bangkok, Thailand, Chula Cardiac Center, King Chulalongkorn Memorial Hospital, Bangkok, Thailand

213 - Direct Comparison of Aortic Valve Area by 3-D TEE Planimetry and 4-D Dynamic Cardiac CT Planimetry

Sunil Kanwal, Isheeka Tamali Edwards, Mark Russo, Bruce Haik, Marc Cohen, Chunguang Chen, Newark Beth Israel Medical Center, Newark, NJ, USA

221 - Effect of Changing Strain Software Versions on Longitudinal Assessment of LV Function

Tomoko Negishi, Kazuaki Negishi, Koji Kurosawa, Krasimira Hristova, Julie Lemieux, Svend Aakhus, Martin Penicka, Bogdan Popescu, Dragos Vinereanu, Goo-Yeong Cho, Paaladinesh Thavendiranathan, Thomas Marwick, Menzies Institute for Medical Research, Hobart, Australia

222 - Dobutamine Stress Echocardiography as a Predictor of Cardiovascular Morbidity and Mortality Post Orthotopic Liver Transplantation

Akanksha Agrawal, Andre Macedo Dias, Deepanshu Jain, Vincent Figueredo, Albert Einstein Medical Center, Philadelphia, PA, USA

223 - Trends in Cardiac Imaging in Patients Receiving Cardiotoxic Chemotherapy

Toral Patel, Sadeer Al-Kindi, Guilherme Oliveira, Department of Medicine, University Hospitals Cleveland Medical Center, Cleveland, OH, USA, Harrington Heart and Vascular Institute, University Hospitals Case Medical Center, Cleveland, OH, USA

224 - HEART Score Classification and Predictive Accuracy of Stress Echocardiography in a Contemporary ED Observation Unit Cohort

James Kogut, Mehrdad Ghahramani, Matthew Nudy, Ian Gilchrist, Brandon Peterson, Andrew Foy, Hershey Medical Center, Hershey, PA, USA



226 - Association Between Global Echocardiography-Based Cardiac Calcium Score and the Clinical Outcomes After Transcatheter Aortic Valve Replacement

Vira Ayzenbart, Paula Strassle, Cassandra Ramm, Siyuan Sheng, John Vavalle, University of North Carolina, Chapel Hill, NC, USA

225 - Understanding the Role of Strain Imaging in the Early Detection of Chagas Cardiomyopathy

Daniel M. Alyesh, Patrick Green, Gustavo Duran, Margaret Prust, Freddy Tinajeros, Manuela Verastegui, Holger Mayta, Jorge Flores, Carballo Paula, Lola Camila, Caryn Bern, Thomas Crawford, Robert Gilman, Theodore Koliass, Division of Cardiology, University of Michigan Health System, Ann Arbor, MI, USA, Bloomberg School of Public Health, Johns Hopkins University, Baltimore, MD, USA

Non Invasive Imaging (Echocardiography, Nuclear, PET, MR & CT) - Poster Contributions

Session #1161

Non Invasive Imaging: Expanding Clinical Applications

Friday, March 17, 2017, 1:30 p.m. - 4:30 p.m.

Poster Hall, Hall C

CME Hours: 0.75 /CNE Hours: 0.75

227 - The Utility of Left Atrial Appendage Hounsfield Unit and the Ratio of Left Atrial Appendage/Ascending Aorta Hounsfield Unit for Detecting Left Atrial Appendage Thrombus

Kazuhiro Osawa, Rine Nakanishi, Dong Li, Eranthi Jayawardena, Nicholas Kim, Sina Rahmani, Negin Nezarat, Hong Qi, Matthew Budoff, LA Biomed, Torrance, CA, USA

228 - Computed Tomographic Angiography Can Reliably Assess Epicardial Coronary Vasoreactivity in Response to Adenosine and Dobutamine

Attila Feher, Stendahl C. John, Nabil Boutagy, Eva Romito, Chi Liu, Albert J. Sinusas, Yale University, New Haven, CT, USA

229 - Non-Contrast Quantification of Myocardial Fibrosis With Dual Energy Computed Tomography

Vidhya Kumar, Kevin Mcelhanon, Zhaobin Xu, Eric Beck, Xin He, Orlando Simonetti, Noah Weisleder, Subha Raman, The Ohio State University, Columbus, OH, USA

230 - Dual-Energy Coronary Computed Tomography Evaluation of High-Risk Atherosclerotic Plaque in Sudden Cardiac Death Patients: Validation with Histopathologic Gold Standard

Asim Rizvi, Fay Lin, Briain O. Hartaigh, Ji Hyun Lee, Donghee Han, Yao Lu, Mahn Won Park, Hadi Mirhedayati Roudsari, Subhi Al'Aref, Ashley Beecy, Khalil Anchouche, Kazuyuki Yahagi, Sho Torii, David Fowler, Robert Kutys, James Earls, Jessica M. Peña, James K. Min, Renu Virmani, Dalio Institute of Cardiovascular Imaging, NewYork-Presbyterian Hospital & Weill Cornell Medicine, New York, NY, USA

231 - Aortic Valve Calcification Predicts Paravalvular Aortic Regurgitation After Self-Expanding Transcatheter Aortic Valve Replacement

Ahmad Agha, Nisreen Ali, Shermeen Memon, Lara Bakhos, Khaled Dajani, Mark Rabbat, Ferdinand Leya, Mushabbar Syed, Loyola University Medical Center, Maywood, IL, USA

232 - Diagnostic Accuracy of Coronary Computed Tomography Angiography in Aortic Stenosis Patients Referred for Aortic Valve Replacement: Systematic Review and Meta-Analysis

Kongkiat Chaikriangkraj, Ghanshyam Palamaner Subash Shantha, Aref Bin Abdulhak, Rudhir Tandon, Musab Alqasrawi, Hye Yeon Jhun, Gardar Sigurdsson, University of Iowa Hospitals and Clinics, Iowa City, IA, USA

233 - Direct and Indirect Costs Comparison of Cardiac Diagnostic Pathway in Coronary Artery Disease: CCTA as the Optimal Gateway to ICA

Eelin Wilson, Kathy Hebert, Timothy Turco, Angela Johnson, Jeff Hersh, Mount Sinai West, St. Luke's and Beth Israel Hospitals, New York, NY, USA, GE Healthcare, Medical Affairs, Waukesha, WI, USA

234 - The Association of Ischemia on Single Photon Emission Computed Tomography-Myocardial Perfusion Image and Fractional Flow Reserve by Coronary Computed Tomographic Angiography

Rine Nakanishi, Kazuhiro Osawa, Indre Ceponiene, Glenn Huth, Jason Cole, Michael Kim, Negin Nezarat, Sina Rahmani, Dong Li, Christopher Dailing, Matthew Budoff, Los Angeles BioMedical Research Institute at Harbor UCLA Medical Center, Torrance, CA, USA

235 - Does Patient Prosthesis Mismatch Defined by CT LVOT Area Predict Downstream Clinical Outcomes?

John Mooney, Philipp Blanke, Stephanie Sellers, Danny Dvir, Neil Weissman, Susheel Kodali, Vinod Thourani, Hasan Jilaihawi, Omar Khalique, Rebecca Hahn, Craig Smith, Pamela S. Douglas, John Webb, Grover Rominder, Shaw-Hua Kueh, Mickael Ohana, Chris Naoum, Philippe Pibarot, Aaron Crowley, Wael Jaber, Maria Alu, Rupa Caprihan, Michael Mack, Martin Leon, Jonathon Leipsic, Department of Radiology, St. Paul's Hospital, Vancouver, Canada

236 - Are There Sex Differences in Management of Coronary Artery Disease After Coronary CT Angiography?

Shinie Kuo, Judith Boura, Kavitha Chinnaiyan, Beaumont Health, Royal Oak, MI, USA

239 - Impact of Different Calcium Locations of Mitral Annulus and Aortic Valve Cusps on Risk of Conduction Disturbances After Transcatheter Aortic Valve Implantation

Yafim Brodov, Eli Konen, Mattia Di Segni, David Samooha, Ilya Novikov, Israel Barbash, Ehud Regev, Victor Guetta, Amit Segev, Paul Fefer, Johnathan Grossman, Fernando Chernomordik, Michael Glikson, Orly Goitein, Sheba Medical Center, Ramat Gan, Israel

240 - Prevention of Contrast-Induced Nephropathy for Computed Tomography (CT)-Scanning in TAVR Work-Up: One-Hour Hydration With Sodium Bicarbonate Is Not Inferior to 24-Hour Saline Hydration

Martijn Stefan van Mourik, Floortje Van Kesteren, Esther M. A. Wiegerinck, R. Niels Planken, Jan Baan, Maartje Vis, Heartcenter - Academic Medical Center, University of Amsterdam, Amsterdam, The Netherlands

241 - Left Atrial Appendage Occlusion Facilitated by Three Dimensional Rotational Angiography Alone Is Safe and Anatomically Superior to Transoesophageal Echocardiography

Sofia Chatzikyriakou, Etel Silva Garcia, Martin Penicka, Guy Van Camp, Peter Geelen, Tom De Potter, Cardiovascular Centre, Aalst, Belgium

242 - Computed Tomography-Derived Corrected Contrast Opacification Decrease Predicts Reduced Relative Flow Reserve Derived From PET Myocardial Perfusion Imaging

Dominik C. Benz, Christoph Gräni, Paola Ferro, Luis Neumeier, Michael Messerli, Oliver Gaemperli, Aju Paul Pazhenkottil, Philipp Kaufmann, Ronny Buechel, University Hospital Zurich, Zurich, Switzerland

Non Invasive Imaging (Echocardiography, Nuclear, PET, MR & CT) - Scientific

Session #629

Controversies in Echocardiography

Friday, March 17, 2017, 2 p.m. - 3:30 p.m.

Ballroom A

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Allan Klein

Co-Chair: Neil Weissman

2:00 p.m.

Pro: The New Diastolic Echo Guidelines are All I Need for Assessment of Filling Pressures



Sherif Nagueh

2:08 p.m.

Con: I Like the New Diastolic Guidelines, but I Still Need More Data
Otto Smiseth
NO-0027 Oslo, Norway

2:16 p.m.

Rebuttal: Pro

2:18 p.m.

Rebuttal: Con

2:20 p.m.

Question and Answer

2:30 p.m.

Pro: Strain is the New EF -- it Should Be Part of the Echo Protocol
Juan Plana
Houston, TX

2:38 p.m.

Con: Strain is a Research Tool, Just Tell Me the LVEF
Natesa Pandian
Boston, MA

2:46 p.m.

Rebuttal: Pro

2:48 p.m.

Rebuttal: Con

2:50 p.m.

Question and Answer

3:00 p.m.

POCUS: Everyone Should Be Able to Do an Echo Where and When it is Needed
Arthur Labovitz
Tampa, FL

3:08 p.m.

Con: HOCUS POCUS -- I am Calling the Echo Lab for a 'Real' Echo
Kirk Spencer
Tampa, FL

3:16 p.m.

Rebuttal: Pro

3:18 p.m.

Rebuttal: Con

3:20 p.m.

Question and Answer

Non Invasive Imaging (Echocardiography, Nuclear, PET, MR & CT) - Moderated Poster Contributions

Session #1176M

Imaging With Cardiac CT: The Case for Calcium

Friday, March 17, 2017, 3:45 p.m. - 4:30 p.m.

Non Invasive Imaging Moderated Poster Theater, Poster Hall, Hall C

CME Hours: 0.75 /CNE Hours: 0.75

ACC Poster Moderator: Harvey S. Hecht

ACC Poster Moderator: Sheldon E. Litwin

3:45 p.m.

Coronary Artery Calcium on Noncontrast Thoracic CT Scans and All-Cause Mortality: The Copd Gene Cohort

Matthew J. Budoff, Gregory Kinney, John Hokanson, Graham Barr, Robert Steiner, Hrudaya Nath, Richard Casaburi, Los Angeles Biomedical Research Institute, Torrance, CA, USA

3:55 p.m.

Question and Answer

4:00 p.m.

Hormone Replacement Therapy Is Associated With Less Coronary Atherosclerosis and Lower Mortality

Yoav Aronson, Alan Rozanski, Heidi Gransar, Yuka Otaki, Mhairi Doris, Frances Wang, John Friedman, Sean Hayes, Louise Thomson, Balaji Tamarappoo, Piotr Slomka, Damini Dey, Daniel Berman, Cedars-Sinai Medical Center, Los Angeles, CA, USA

4:10 p.m.

Question and Answer

4:15 p.m.

Incremental Prognostic Value of Coronary Calcium Scoring in Patients Undergoing 82-Rubidium Myocardial Perfusion Imaging

Amjad M. Ahmed, Ihab Sulaiman, Dalia Ahmed, Mousa Alfaris, Misfer Aldosari, Ahmed Aljizeeri, Ahmed Alsaileek, Abdulbaset Sulaiman, Sherif Sakr, Mouaz Al-Mallah, King Abdulaziz Medical City, King Saud bin Abdulaziz University for Health Sciences, Riyadh, Saudi Arabia

4:25 p.m.

Question and Answer

Non Invasive Imaging (Echocardiography, Nuclear, PET, MR & CT) - Scientific

Session #643

State of the Art Nuclear Cardiology: SPECT Myocardial Perfusion Imaging

Friday, March 17, 2017, 4:45 p.m. - 6 p.m.

Room 140 B

CME Hours: 1.25 /CNE Hours: 1.25

Co-Chair: Randall Thompson

Co-Chair: Joao Vitola

4:45 p.m.

Myocardial Perfusion Imaging: The Value Proposition
Rory Hachamovitch

4:54 p.m.

Appropriate Use: Right Patient, Right Time

Robert Hendel

Coconut Grove, FL

5:03 p.m.

Supervising the Stress Test

Nancy Coats

Mission Viejo, CA

5:12 p.m.

Image Acquisition and Processing: Novel Hardware and Software Applications

April Mann

Hartford, CT

5:21 p.m.

Image Interpretation: Rapid Fire Case Review

Ronald Schwartz

Rochester, NY

5:30 p.m.

Structured Reporting: Read it Then Report it Right

Peter Tilkemeier

Greenville, SC



5:39 p.m.
Risk Stratification and Prognosis: Evidence and Outcomes
Leslee Shaw
Atlanta, GA

5:48 p.m.
Question and Answer

Non Invasive Imaging (Echocardiography, Nuclear, PET, MR & CT) - Scientific

Session #644

Echocardiographic Assessment of LV Diastolic Function -- The New ASE/EACVI Guidelines -- 2016 Update: Joint Symposium of the American Society of Echocardiography and the American College of Cardiology

Friday, March 17, 2017, 4:45 p.m. - 6 p.m.

Room 143 A

CME Hours: 1.25 /CNE Hours: 1.25

Co-Chair: Otto A. Smiseth
Co-Chair: Allan L. Klein

4:45 p.m.
Update of the 2016 Guidelines: What's New, What Remains the Same?
Sherif F. Nagueh
Houston, TX

4:57 p.m.
Diastolic Dysfunction: A Separate Clinical Entity?
Frank A. Flachskampf
Uppsala, Sweden

5:09 p.m.
Diastolic Assessment in Specific Entities: Atrial Fibrillation, Hypertrophic Cardiomyopathy and Restrictive Disease
Jae K. Oh
Rochester, MN

5:18 p.m.
Case presentations: Estimation of Filling Pressures in the Dyspneic Patient
Patricia A. Pellikka
Rochester, MN

5:30 p.m.
Dyspnea and Ascites After Coronary Bypass Surgery: Constriction, Restriction, or Both?
Allan Klein
Cleveland, OH

5:42 p.m.
Question and Answer

Non Invasive Imaging (Echocardiography, Nuclear, PET, MR & CT) - Core Curriculum

Session #805

Core Curriculum: Imaging the Heart: Choosing Wisely

Friday, March 17, 2017, 4:45 p.m. - 6 p.m.

Room 151 A

CME Hours: 1.25 /CNE Hours: 1.25

Chair: Alex J. Aulseon

4:45 p.m.
Cases of Cardiac Mass Assessment: Fundamentalas of Echo and MRI
Sangeeta B. Shah
New Orleans, LA

5:05 p.m.
Assessing Ischemia: Does Gender Matter

C. Noel Bairey Merz
Los Angeles, CA

5:25 p.m.
Anatomical and Functional Assessment with CTA: Are Diagnostic Caths a Way of the Past?
Daniel Berman
Los Angeles, CA

5:45 p.m.
Question and Answer

Non Invasive Imaging (Echocardiography, Nuclear, PET, MR & CT) - Scientific

Session #656

Challenges in Cardiac CT: Case-Based Discussions

Saturday, March 18, 2017, 8 a.m. - 9:30 a.m.

Room 140 B

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Benjamin J. Chow
Co-Chair: Quynh Truong

8:00 a.m.
The Asymptomatic Patient: Risk Factor Score or Calcium Score?
Michael Blaha

8:18 a.m.
Suspected Native and Prosthetic Valve Complications: The Role of Cardiac CT
Milind Y. Desai
Cleveland, OH

8:36 a.m.
Cardiac CT to Guide Atrial Appendage and other non-TAVR Cardiovascular Interventions
Mohamed Marwan
Erlangen, Germany

8:54 a.m.
Suspected LVAD and Other Circulatory Support System Complications: The Role of Cardiac CT
Dominik Fleischmann
Stanford, CA

9:12 a.m.
Question and Answer

Non Invasive Imaging (Echocardiography, Nuclear, PET, MR & CT) - Poster Contributions

Session #1196

Nuclear Cardiology: Beyond Perfusion

Saturday, March 18, 2017, 9:30 a.m. - 12:30 p.m.

Poster Hall, Hall C

CME Hours: 0.75 /CNE Hours: 0.75

197 - Molecular Imaging of Myocardial Cannabinoid Type 1 Receptor Upregulation in Obesity
Ines Valenta-Schindler, Zoltan V. Varga, Pal Pacher, Thomas Schindler, Johns Hopkins University, Baltimore, MD, USA, National Institute of Health (NIH), Rockville, MD, USA

198 - Prolonged Inflammation Led to Aortic Valve Sclerosis: Longitudinal PET/CT Study
Won-Jang Kim, Seo-Won Choi, Junsu Chang, Daniel Min, Min-Kyu Kim, Woo-In Yang, Sang Hoon Kim, Jae Youn Moon, Jung Hoon Sung, In Jai Kim, Sang-Wook Lim, Dong-Hun Cha, Ji Young Lee, Soo Jin Jang, Dae Jung Kim, Department of Cardiology, CHA Bundang Medical Center, CHA University School of Medicine, Seongnam-Si, Gyeonggi-Do, South Korea



199 - Radiotracer Imaging of Angiosome Foot Perfusion Correlates With Ankle-Brachial Index and Differentiates Critical Limb Ischemia Patients From Healthy Subjects

Jessica Buckley, Xenophon Papademetris, Carlos Mena-Hurtado, Peter A. Blume, Bauer Sumpio, Albert Sinusas, Mitchel Stacy, Yale University School of Medicine, New Haven, CT, USA

200 - Increased Subclinical Systemic AND Vascular Inflammation in Familial Combined Hyperlipidemia Compared to Heterozygous Hypercholesterolemia: Insights From a Positron Emission Tomography Study

Koutagiar Peter Iosif, Konstantinos Toutouzas, Georgios Benetos, Ioannis Skoumas, Pavlos Kafouris, Alexandros Georgakopoulos, Spyridon Galanakis, Nikoletta Pianou, Mahmoud Abdelrasoul, Angeliki Rigatou, George Spyrou, Constadina Aggeli, Eleftherios Tsiamis, Dimitris Tousoulis, Constantinos Anagnostopoulos, First Department of Cardiology, Medical School, University of Athens, Hippokration Hospital, Athens, Greece, Biomedical Research Foundation Academy of Athens, Athens, Greece

201 - Regional Right Ventricular (RV) Function as Determined by Gated Blood Pool SPECT (GBPS) Provides Additive Value to Evaluation of Patients Undergoing Left Ventricular Assist Device (LVAD) Implantation

Christopher B. Link, Aditi Nayak, Robert Kormos, Marc Simon, Jeffrey Teuteberg, Luigi Lagazzi, Andrew Althouse, Prem Soman, UPMC, Pittsburgh, PA, USA

202 - The Increasing Burden of Amyloidosis From Apex to Base: New Insights From Technetium-99m Pyrophosphate Imaging

Scott Ray, Khan Aahad, Sharmeen Hussaini, Syed Haris A. Pir, Mustafa Noor Muhammad, Mirza Nubair Ahmad, Debra Mahlum, Steven C. Port, A. Jamil Tajik, Khawaja Afzal Ammar, Aurora Cardiovascular Services, Aurora Sinai/Aurora St. Luke's Medical Centers, Milwaukee, WI, USA

203 - Comparison of CZT SPECT and Cardiac MR Derived Cardiac Function and Volumes in Patients With Significantly Reduced Ejection Fraction

Arieh Greenbaum, Steve Liao, Sunil Agarwal, Ines Sherifi, Lori Croft, Mount Sinai Medical Center, New York, NY, USA

204 - Reduced Dose Oral Glucose Load Yields Excellent Myocardial PET Viability Images

Howard Martin Julien, Albert DeLuca, Jeffrey Lin, Sabahat Bokhari, Columbia University Medical Center, New York, NY, USA

205 - The Impact of Cardiopulmonary Testing on Downstream Evaluation in Patients Who Undergo Myocardial Perfusion Imaging

Georgios Christopoulos, John Bois, Thomas Allison, Todd Miller, Martin Rodriguez-Porcel, Panithaya Chareonthaitawee, Mayo Clinic, Rochester, MN, USA

206 - In Vivo Correlation of Carotid Temperatures and Pet/Fdg Uptake in Patients Undergoing Carotid Endarterectomy: Validation With Histology

Georgios Benetos, Konstantinos Toutouzas, Iosif Koutagiar, Alexandros Georgakopoulos, Nikoletta Pianou, Sofoklis Trachanelis, Nikolaos Patelis, George Agrogianis, Nikolaos Bessias, Konstantinos Filis, Chris Clonaris, George Spyrou, Efstratios Patsouris, Constantinos Anagnostopoulos, Dimitris Tousoulis, First Department of Cardiology, Athens, Greece

Non Invasive Imaging (Echocardiography, Nuclear, PET, MR & CT) - Poster Contributions Session #1197

Innovative Use of Echocardiography

Saturday, March 18, 2017, 9:30 a.m. - 12:30 p.m.

Poster Hall, Hall C

CME Hours: 0.75 /CNE Hours: 0.75

207 - Effect of Left Atrial Remodeling on Prediction of Incident Atrial Fibrillation With CHARGE-AF Score: Data From the Framingham Offspring Study

Mayank Sardana, Steven Lubitz, Nisha Parikh, Connie Tsao, Emelia Benjamin, Nelson Schiller, Vasam Ramachandran, David McManus, University of Massachusetts Medical School, Worcester, MA, USA, Framingham Heart Study, Framingham, MA, USA

208 - Left Atrial Function Index as a Predictor of Cardiovascular Disease and Atrial Fibrillation: Data From the Framingham Offspring Study

Mayank Sardana, Darleen Lessard, Nisha Parikh, Adedotun Ogunsua, Aditya Vaze, Gregory Nah, Susan Cheng, Randell Thomas, Gerard Aurigemma, Emelia Benjamin, Gary Mitchell, Vasam Ramachandran, Connie Tsao, Nelson Schiller, David McManus, University of Massachusetts Medical School, Worcester, MA, USA, Framingham Heart Study, Framingham, MA, USA

209 - Echocardiographic Parameters Associated With Quality of Life in Ambulatory Patients With Heart Failure

Renata R. T. Castro, Shweta Motiwala, Emer Joyce, Lynne Stevenson, Michael Givertz, Akshay S. Desai, Eldrin Lewis, Brigham and Women's Hospital, Boston, MA, USA

210 - Usefulness of Left Ventricular Speckle Tracking Echocardiography in Diagnosing Paroxysmal Atrial Fibrillation in Ischemic Stroke and Transient Ischemic Attack Patients

Kristoffer Skaarup, Hanne K. Christensen, Nis Host, Maasti M. Mahmoud, Christian A. Ovesen, Flemming Javier Olsen, Jan Skov Jensen, Tor Biering-Sorensen, Gentofte Hospital, Hellerup, Denmark, Bispebjerg Hospital, Copenhagen, Denmark

211 - Global Longitudinal Strain as a Predictor of Survival in Sepsis-Induced Myocardial Dysfunction: A Meta-Analysis

Stefanie Furlan, Elie Donath, Samineh Sehatbakhsh, Robert Chait, University of Miami/JFK Medical Center Palm Beach Regional GME Consortium, Atlantis, FL, USA

212 - High Prevalence of Apical Hypertrophic Cardiomyopathy Noted in Non-White Patients Referred for Clinical Echocardiography

Waddy Gonzalez, Jeremy Miles, Mario Garcia, Daniel Spevack, Montefiore Medical Center, Bronx, NY, USA

213 - Independent Association of Atrial Mechanics With Risk of Incident Atrial Fibrillation

Satish Ramkumar, Hong Yang, Ying Wang, Mark Nolan, Kazuaki Negishi, Thomas Marwick, Baker IDI Heart and Diabetes Institute, Melbourne, Australia, Menzies Research Institute, Hobart, Australia

214 - The Impact of Rigorous Quality Improvement on 3D Echocardiography Image and Data Quality in an International Multisite Randomized Trial

Anna Lisa Crowley, Eric Yow, Dawn Rabineau, Huiman Barnhart, Jennifer White, Eric Velazquez, Melissa Daubert, Mitchell Krucoff, Sunil Rao, Pamela S. Douglas, Duke University Medical Center, Durham, NC, USA, Duke Clinical Research Institute, Durham, NC, USA

215 - The Association Between Echocardiographic Laboratory Accreditation and the Quality of Imaging and Reporting

Jeremy Thaden, Michael Tsang, Chadi Ayoub, Ratnasari Padang, Vuysile Nkomo, Stephen Tucker, Cynthia Cassidy, Merri Bremer, Garvan Kane, Patricia Pellikka, Mayo Clinic, Rochester, MN, USA

216 - Identifying the Optimal Echocardiographic Variables to Predict Outcome Through Correlation Mapping in Patients With Dilated Cardiomyopathy

Kegan Moneghetti, Juyong Kim, Genevieve Giraldeau, Yukari Kobayashi, Kalyani Boralkar, Ingela Schnittger, Euan Ashley, Matthew Wheeler, Francois Haddad, Stanford Cardiovascular Institute, Palo Alto, CA, USA

217 - The Left Atrium Emptying Fraction as a Predictor of Cardiovascular Morbidity and Mortality in a Low Risk General Population

Titte Andersen, Jan Skov Jensen, Rasmus Mogelvang, Peter Schnohr, Tor Biering-Sorensen, Gentofte Hospital, Copenhagen, Denmark



218 - Left Ventricular Global Longitudinal Strain Predicts All-Cause Mortality in Patients With Mitral Regurgitation and Ischemic Heart Disease but Not in Nonischemic Mitral Regurgitation

Daniel Pu, Anthony Holmes, Ningxin Wan, Lili Zhang, Cynthia Taub, Montefiore Medical Center, Bronx, NY, USA

219 - Systolic Function and Cardiac Output on Echocardiography Do Not Predict Mortality After Cardiac Arrest

Jacob Colin Jentzer, Sunil Mankad, Sorin Pislaru, Gregory Barsness, Kianoush Kashani, Alejandro Rabinstein, Roger White, The Mayo Clinic, Rochester, MN, USA

220 - A Comparison of Two-Dimensional Echocardiography Parameters With Cardiac Magnetic Resonance Imaging in the Assessment of Right Ventricular Function Post Orthotopic Heart Transplantation

Marshall Hyden, Rajeev Anchan, Robin High, Shikhar Saxena, Nebraska Medicine, Omaha, NE, USA

221 - Impact on Long Term Mortality of Persistent Pulmonary Hypertension After Transcatheter Aortic Valve Implantation

Maria I. Drakopoulou, Konstantinos Toutouzas, Archontoula Michelongona, Konstantinos Stathogiannis, George Latsios, Andreas Synetos, Styliani Brili, Odysseas Kaitozis, Eleftherios Tsiamis, Dimitris Tousoulis, First Department of Cardiology, Hippokraton Hospital, University of Athens, Athens, Greece

222 - Presence of Post-Systolic Shortening by Tissue Doppler Imaging is an Independent Predictor of Heart Failure in Patients Following ST-Segment Elevation Myocardial Infarction

Philip Brainin, Sune Pedersen, Morten Sengeløv, Flemming Javier Olsen, Thomas Hansen, Jan Jensen, Tor Biering-Sorensen, Department of Cardiology, Gentofte University Hospital, Hellerup, Denmark

223 - Assessment of Left Ventricular Rotational Mechanics Post-LVAD Implantation Using 3D Echocardiography

Diego Medvedofsky, Gabriel Sayer, Lynn Weinert, Eric Kruse, Megan Yamat, Victor Mor-Avi, Amit Patel, Karima Addetia, Sirtaz Adaty, Nitasha Sarswat, Gene Kim, Takeyoshi Ota, Valluvan Jeevanandam, Nir Uriel, Roberto Lang, University of Chicago, Chicago, IL, USA

224 - $E/e' > 15$ Performs Poorly in Patients With Elevated Left Filling Pressures and Atrial Fibrillation/Flutter: A Simultaneous Doppler-Catheterization Study

William Miranda, Kashish Goel, Jae Oh, Rick Nishimura, Mayo Clinic, Rochester, MN, USA

225 - Effect of Blood Pressure Control on Left Ventricle Strain Using Speckle Tracking Imaging

Gurpreet Sodhi, Jannet Lewis, The George Washington University, Washington, DC, USA

226 - Prognostic Utility of Hand-Carried Ultrasound Compared to Clinical and Laboratory Assessment of Decongestion to Predict Outcomes in Hospitalized Patients With Heart Failure

Mohammad-Ali Jazayeri, Holly Rodin, Melissa Madsen, Steven Goldsmith, Bradley Bart, Gautam Shroff, University of Kansas Medical Center, Kansas City, KS, USA, Hennepin County Medical Center, Minneapolis, MN, USA

227 - Left Ventricular Systolic Recovery After St-Segment Elevation Myocardial Infarction: Effect of Guideline-Based Therapy

Rachid Abou, Melissa Leung, Georgette Hoogslag, Martin Schali, Nina Ajmone Marsan, Jeroen Bax, Victoria Delgado, Leiden University Medical Center, Leiden, The Netherlands

228 - The Predictive Value of Microvascular Defects Observed During Demand Stress Myocardial Contrast Echocardiography and Quantitative Measurements of Stenosis and Microvascular Resistance Obtained During Invasive Hemodynamics

David Barton, Yiannis Chatzizisis, Feng Xie, Edward O'Leary, Gregory Pavlides, Thomas Porter, University of Nebraska Medical Center, Omaha, NE, USA

229 - Early Detection of Cardiac Involvement in Sarcoidosis With 2-Dimensional Speckle-Tracking Echocardiography

Elie Dan Schouver, Pamela Mocerri, Denis Doyen, Nathalie Tieulie, Viviane Queyrel, Delphine Baudouy, Pierre Cerboni, Sylvie Leroy, Emile Ferrari, Chu Pasteur, Nice, France

230 - Concordance of Conventional 2D-Doppler Versus Speckle Tracking Echocardiography-Based Classification of Left Ventricular Diastolic Function

Alaa Mabrouk Salem Omar, Allen Weiss, Sukrit Narula, Megan Cummins, Piedad Lerena Saenz, Ahmad Mahmoud, Mohamed Abdel-Rahman, Osama Rifaie, Partho Sengupta, Icahn School of Medicine at Mount Sinai, New York, NY, USA, Ain Shams University Hospital and National Research Center, Cairo, Egypt

Non Invasive Imaging (Echocardiography, Nuclear, PET, MR & CT) - Poster Contributions

Session #1198

Non Invasive Imaging: Coronary Calcium Scoring and CV Risk Assessment

Saturday, March 18, 2017, 9:30 a.m. - 12:30 p.m.

Poster Hall, Hall C

CME Hours: 0.75 /CNE Hours: 0.75

231 - Prognostic Value of Protein Biomarkers Predict Risk of Coronary Heart Disease Events: Results From Multi-Ethnic Study of Atherosclerosis (MESA)

Rine Nakanishi, Petra Bůžková, Douglas Harrington, Kazuhiro Osawa, Yanting Luo, Indre Ceponiene, Sina Rahmani, Negin Nezarat, Hong Qi, Matthew Budoff, Los Angeles Research Institute at Harbor UCLA Medical Center, Torrance, CA, USA

232 - Association of Total Testosterone With Progression of Carotid Atherosclerosis and Coronary Artery Calcium Score: The Multi-Ethnic Study of Atherosclerosis

Indre Ceponiene, Rebekah Young, Richard Kronmal, James Stein, Dhananjay Vaidya, Adam Gepner, Nathan Wong, Ronald S. Swerdlow, Christina Wang, Jonas Ceponis, Rine Nakanishi, Negin Nezarat, Mitsuru Kanisawa, Kazuhiro Osawa, Sina Rahmani, Matthew Tattersall, Claudia Korcarz, Matthew Budoff, Los Angeles Biomedical Research Institute, Torrance, CA, USA, Lithuanian University of Health Sciences, Kaunas, Lithuania

234 - Coronary Artery Calcium in the Elderly: Prevalence, Severity, and Association With All-Cause Mortality

Yoav Arnson, Alan Rozanski, Heidi Gransar, Sean Hayes, Yuka Otaki, Mhairi Doris, Frances Wang, John Friedman, Louise Thomson, Balaji Tamarappoo, Piotr Slomka, Damini Dey, Daniel Berman, Cedars-Sinai Medical Center, Los Angeles, CA, USA

235 - Smoking as a Key Predictor of CAD Among Asymptomatic and Extremely Low Coronary Artery Calcium Score Patients

Hyeon Ju Jeong, Hyung-Bok Park, Hyun-Jin Kim, Yong-Sung Seo, Yoon-Hyeong Cho, Tae-Young Choi, Eui-Seock Hwang, Deok-Kyu Cho, Division of Cardiology, Cardiovascular Center Myongji Hospital, Seonam University College of Medici, Goyang, South Korea

236 - Coronary Artery Calcium and Estimated Cardiovascular Disease Risk in Five Racial/Ethnic Groups Living in the US: The Mediators of Atherosclerosis in South Asians Living in America (MASALA) Study and the Multi-Ethnic Study of Atherosclerosis (MESA)

Jaideep Patel, Zeina Dardari, Miguel Cainzos-Achirica, Parag Joshi, Namratha Kandula, Matthew Budoff, Joseph Yeboah, Moyses Szklo, Eliseo Guallar, Roger Blumenthal, Alka Kanaya, Michael Blaha, VCU Medical Center, Richmond, VA, USA, Johns Hopkins Hospital, Baltimore, MD, USA



237 - Coronary Calcium Characteristics as Predictors of Major Adverse Cardiac Events in Symptomatic Patients: Insights From the CORE320 Multinational Study

Mallory Lo-Kioeng-Shioe, Andrea Vavere, Armin Arbab-Zadeh, Joanne Schuijff, Carlos Rochitte, Marcus Chen, Matthias Rief, Klaus Kofoed, Melvin Clouse, Arthur Scholte, Julie Miller, Aisha Betoko, Michael Blaha, Christopher Cox, Jaap W. Deckers, Joao Lima, Johns Hopkins Hospital, Baltimore, MD, USA

233 - Association of Coronary Artery Calcium Progression With Coronary Plaque Progression Determined by Quantitative Coronary Artery Plaque Analysis

Indre Ceponiene, Rine Nakanishi, Kazuhiro Osawa, Mitsuru Kanisawa, Sina Rahmani, Negin Nezarat, Michael Kim, Eranthi Jayawardena, Alexander Broersen, Pieter Kitslaar, Matthew Budoff, Los Angeles Biomedical Research Institute, Torrance, CA, USA, Lithuanian University of Health Sciences, Kaunas, Lithuania

238 - Coronary Artery Calcium Scores for Atherosclerotic Cardiovascular Disease Risk Stratification in Smokers: MESA

John Leigh, John McEvoy, Veit Sandfort, Waqas Qureshi, John Carr, Elizabeth C. Oelsner, Matthew Budoff, David Herrington, Joseph Yeboah, Wake Forest School of Medicine, Winston-Salem, NC, USA

239 - The Utility of Minimal Coronary Artery Calcification for Predicting Carotid Artery Disease: Results From the Multi-Ethnic Study of Atherosclerosis (MESA)

Kazuhiro Osawa, Rine Nakanishi, Robyn McClelland, Ralph Sacco, Joseph Polak, Warrick Bishop, Negin Nezarat, Mitsuru Kanisawa, Sina Rahmani, Indre Ceponiene, Hong Qi, Matthew Budoff, LA Biomed, Torrance, CA, USA

240 - Determination of Calcium Score From CTA Contrast Images Using Standard Clinical Methods

Wing Hang Lau, Harjot Singh, Simcha Pollack, Alan Guerci, Nathaniel Reichel, The Research Department, St. Francis Hospital-The Heart Center, Roslyn, NY, USA, NYIT College of Osteopathic Medicine, Old Westbury, NY, USA

241 - Prospective Evaluation of Low-Dose Coronary Calcium Scoring With Reduced Tube Voltage

Christoph Gräni, Jan Vontobel, Dominik Benz, Sara Bacanovic, Beatrice Hirt Moch, Michael Messerli, Marvin Grossmann, Cathérine Gebhard, Aju Paul Pazhenkottil, Oliver Gaemperli, Philipp Kaufmann, Ronny Buechel, Department of Nuclear Medicine, Cardiac Imaging, University Hospital Zurich, Zurich, Switzerland

242 - Incremental Utility of Coronary Computed Tomographic Angiography Beyond Coronary Artery Calcium Scoring for Predicting Major Adverse Cardiac Events According to Impaired Renal Function: The CONFIRM Registry

Ji Hyun Lee, Mahn Won Park, Briain O. Hortaigh, Asim Rizvi, Donghee Han, Hadi Mirhedayati Roudsari, Subhi Al'Aref, Khalil Anchouche, Ashley Beecy, Heidi Gransar, Hyung Bok Park, Jessica M. Peña, James Min, Fay Lin, on behalf of the CONFIRM Investigators, New York-Presbyterian Hospital and the Weill Cornell Medical College, New York, NY, USA

Non Invasive Imaging (Echocardiography, Nuclear, PET, MR & CT) - Moderated Poster Contributions

Session #1215M

Advances in Imaging to Assess Cardiotoxicity

Saturday, March 18, 2017, 9:45 a.m. - 10:30 a.m.

Non Invasive Imaging Moderated Poster Theater, Poster Hall, Hall C
CME Hours: 0.75 /CNE Hours: 0.75

ACC Poster Moderator: Monika J. Leja

ACC Poster Moderator: Marielle Scherrer-Crosbie

9:45 a.m.

Decreases in Left Ventricular Mass and Not Left Ventricular Ejection Fraction Are Associated With Heart Failure Symptoms in Cancer Patients Six Months After Potentially Cardiotoxic Chemotherapy

Jennifer H. Jordan, Giselle Melendez, Cynthia Suerken, Ralph D'Agostino, W. Hundley, Wake Forest School of Medicine, Winston-Salem, NC, USA

9:55 a.m.

Question and Answer

10:00 a.m.

Speckle-Tracking Strain Imaging in Breast Cancer Patients Treated With Newer Non-Anthracycline, Trastuzumab-Based Regimens

Elizabeth Grier, Siri Kunchakarra, Sumeet Mitter, Nicholas Furiase, Nausheen Akhter, Northwestern University Feinberg School of Medicine, Division of Cardiology, Chicago, IL, USA

10:10 a.m.

Question and Answer

10:15 a.m.

^{99m}Tc-Duramycin Imaging Detects Doxorubicin Cardiac Injury Before Onset of Ventricular Dysfunction

Takehiro Nakahara, Artiom D. Petrov, Takashi Tanimoto, Nezam Haider, Navneet Narula, Farhan Chaudhry, Jeffrey A. Mattis, Brian D. Gray, Koon Yan Pak, Gagan Sahai, Anry Terersten, Aarti Bhardwaj, Partho Sengupta, Marc Dweck, Harry Strauss, Jagat Narula, Icahn School of Medicine at Mount Sinai, New York, NY, USA

10:25 a.m.

Question and Answer

Non Invasive Imaging (Echocardiography, Nuclear, PET, MR & CT) - International Session #519

Multimodality Imaging in Heart Diseases: International Perspectives From the Gulf Heart Association, Thai Heart Association, and American College of Cardiology

Saturday, March 18, 2017, 10:45 a.m. - 12:15 p.m.

Room 145 B

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Robert C. Hendel

Co-Chair: Taworn Suithichaiyakul

Co-Chair: Mohamed Zubaid

10:45 a.m.

Introduction to Session

Robert C. Hendel

Miami, FL

10:55 a.m.

What is the Role of Imaging in New Onset Cardiomyopathy?

Mouaz H. Al-Mallah

Riyadh, Saudi Arabia

11:06 a.m.

Imaging Patients With Chest Pain: A Multimodality Approach

Safaa M. Almohdar

Abu Dhabi, United Arab Emirates

11:17 a.m.

Imaging in Hypertrophic Cardiomyopathy

Christopher M. Kramer

Charlottesville, VA

11:28 a.m.

Cardiac MRI Registry for Iron Overload in Patients With Thalassemia

Rungroj Krittayaphong

Bangkok, Thailand

11:39 a.m.

Cardiac MRI for Tissue Characterization in Patients With Congenital Heart Disease



Tarinee Tangcharoen
Bangkok, Thailand

11:50 a.m.
Discussion

Non Invasive Imaging (Echocardiography, Nuclear, PET, MR & CT) - Scientific

Session #671

Imaging of Cancer-Treatment Associated CV Toxicity: Applying Guidelines to Clinical Practice

Saturday, March 18, 2017, 10:45 a.m. - 12:15 p.m.

Room 140 B

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Thomas H. Marwick
Co-Chair: Marielle Scherrer-Crosbie
Panelist: Jean-Bernard Durand
Panelist: Monika J. Leja
Panelist: Richard M. Steingart

10:45 a.m.
Why Cardiologists Need to Engage - Epidemiology of Cancer Survivorship
Ben Kenigsberg
Washington, DC

10:57 a.m.
Role for Echo in oncology patients. What to look for, how often and for how long?
Bonnie Ky
Philadelphia, PA

11:09 a.m.
Nuclear Cardiology: A useful imaging modality in Cardio-Oncology
Raymond Russell
Providence, RI

11:21 a.m.
Evidence for MRI imaging for detection of CV disease during and after cancer treatment
W. Gregory Hundley
Winston Salem, NC

11:33 a.m.
Imaging LV dysfunction related to cancer therapy. It will be easy to reconcile the ASE/EACVI, NCCN and ASCO guidelines and recommendations.
Juan Carlos Plana
Houston, TX

11:45 a.m.
Cancer-treatment related LV dysfunction in clinical practice.
Ana Barac
Washington, DC

11:57 a.m.
Panel Discussion

Non Invasive Imaging (Echocardiography, Nuclear, PET, MR & CT) - Scientific

Session #672

PET Myocardial Perfusion Imaging: Practical Considerations- A Case-Based Discussion

Saturday, March 18, 2017, 10:45 a.m. - 12:15 p.m.

Room 147 A

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Robert Gropler
Co-Chair: Thomas Schindler
Panelist: Sharmila Dorbala
Panelist: Marcelo F. Di Carli

Panelist: Rob S. B. Beanlands
Panelist: Gary V. Heller
Panelist: Panithaya Chareonthaitawee

10:45 a.m.
PET Myocardial Perfusion Imaging Cases
Sharmila Dorbala
Boston, MA

10:50 a.m.
Panel Discussion

11:00 a.m.
PET Myocardial Perfusion Imaging Cases
Marcelo F. Di Carli
Boston, MA

11:05 a.m.
Panel Discussion

11:15 a.m.
PET Myocardial Perfusion Imaging Cases
Rob S. Beanlands
Ottawa, Canada

11:20 a.m.
Panel Discussion

11:30 a.m.
PET Myocardial Perfusion Imaging Cases
Gary Heller
New Haven, CT

11:35 a.m.
Panel Discussion

11:45 a.m.
PET Myocardial Perfusion Imaging Cases
Manuel Cerqueira
Cleveland, OH

11:50 a.m.
Panel Discussion

12:00 p.m.
PET Myocardial Perfusion Imaging Cases
Panithaya Chareonthaitawee
Rochester, MN

12:05 p.m.
Panel Discussion

Non Invasive Imaging (Echocardiography, Nuclear, PET, MR & CT) - Scientific

Session #688

Patient-Centered Imaging: Quality of Cardiac CT Evidence

Saturday, March 18, 2017, 12:30 p.m. - 1:45 p.m.

Room 140 B

CME Hours: 1.25 /CNE Hours: 1.25

Co-Chair: Mouaz Al-Mallah Arabia
Co-Chair: William Weigold

12:30 p.m.
Current Randomized Trials Driving CT-Guided Care
Todd Villines

12:45 p.m.
Value-Based CT: Cost-Effectiveness and Resource Utilization after Cardiovascular CT



Leslee Shaw
Atlanta, GA

1:00 p.m.
CT-FFR and CT-Perfusion: Ready for Widespread Utilization?
Bjarne Norgaard
Aarhus, Denmark

1:15 p.m.
Coverage and Reimbursement for Cardiac CT: Current Status
Ahmad M. Slim
New Orleans, LA

1:30 p.m.
Panel Questions and Answer

Non Invasive Imaging (Echocardiography, Nuclear, PET, MR & CT) - Scientific

Session #689

Structural Heart Interventions: What Does the Imager Need to know

Saturday, March 18, 2017, 12:30 p.m. - 1:45 p.m.

Room 147 A

CME Hours: 1.25 /CNE Hours: 1.25

Co-Chair: Linda Gillam
Co-Chair: Neil Weissman

12:30 p.m.
Evolving Role of Imaging in TAVR
Petros Nihoyannopoulos Kingdom

12:42 p.m.
Imaging in Peri-valvular Leak Interventions: Tips and Tricks
Vera Rigolin
Chicago, IL

12:54 p.m.
Imaging in Mitral Valve Interventions: E-clip and Beyond...
Muhamed Saric
New York, NY

1:06 p.m.
Emerging Structural Interventions: Lessons for the Imager (Valve in Valve, Tricuspid Valve, Watchman)
Konstantinos Koulogiannis
Morristown, NJ

1:18 p.m.
Identifying Complications with Imaging During Structural Heart Interventions
Federico Asch
Washington, DC

1:30 p.m.
Question and Answer

Non Invasive Imaging (Echocardiography, Nuclear, PET, MR & CT) - Scientific

Session #690

Molecular Imaging in Heart Failure

Saturday, March 18, 2017, 12:30 p.m. - 1:45 p.m.

Room 147 B

CME Hours: 1.25 /CNE Hours: 1.25

Co-Chair: Albert Sinusas
Co-Chair: David Sosnovik

12:30 p.m.
Imaging of Myocardial Innervation
John Canty

12:45 p.m.
Imaging of Myocardial Inflammation
David Sosnovik
Charlestown, MA

1:00 p.m.
Imaging of Hypoxia and ROS
Robert Gropler
Saint Louis, MO

1:15 p.m.
Imaging of Myocardial Remodeling
Albert Sinusas
New Haven, CT

1:30 p.m.
Question and Answer

Non Invasive Imaging (Echocardiography, Nuclear, PET, MR & CT) - Moderated Poster Contributions

Session #1225M

Hearts and Soles: Multimodality Imaging in Athletes

Saturday, March 18, 2017, 12:30 p.m. - 1:45 p.m.

Non Invasive Imaging Moderated Poster Theater, Poster Hall, Hall C
CME Hours: 1.25 /CNE Hours: 1.25

ACC Poster Moderator: Claudio Gil Araujo

12:30 p.m.
Ascending Aortic Dimensions in Former National Football League Athletes
James L. Gentry, David Carruthers, Christopher Maroules, Parag Joshi, Colby Ayers, Philip Aagaard, Rory Hachamovitch, Reginald Dunn, Andrew Lincoln, Andrew Tucker, Kezia Alexander, Dermot Phelan, Heart and Vascular Institute at the Cleveland Clinic, Cleveland, OH, USA, University of Texas Southwestern Medical Center, Dallas, TX, USA

12:40 p.m.
Question and Answer

12:45 p.m.
Temporal Sequence of Athlete's Heart Regression During Prescribed Exercise Detraining: *Diagnostic Implications*
Charles Pedlar, Marcel Brown, James Otto, Aimee Drane, Jennifer Michaud Finch, Miranda Contursi, Robert Shave, Meagan Wasfy, Adolph Hutter, Aaron Baggish, Cardiovascular Performance Program, Massachusetts General Hospital, Boston, MA, USA, Harvard Medical School, Boston, MA, USA

12:55 p.m.
Question and Answer

1:00 p.m.
Assessment of Coronary Atherosclerosis Using Calcium Scores in Short and Long Distance Runners
Omar Jafar, Jason Friedman, Ian Bogdanowicz, Aamir Muneer, Julie Ling, Anthony Messina, Michael Yen, Ian Portelli, Pranav Varanasi, Kamran Haleem, Vassar Brothers Medical Center, Poughkeepsie, NY, USA

1:10 p.m.
Question and Answer

1:15 p.m.
The Mixed Race Athlete's ECG: Not So Black and White
Aneil Malhotra, Prashant Rao, Harshil Dhutia, Sabiha Gati, Tee Joo Yeo, Rajit Khosla, Vivek Prasad, Michael Papadakis, Sanjay Sharma, St. George's University of London, London, United Kingdom

1:25 p.m.
Question and Answer



1:30 p.m.

Global & Basal Longitudinal Strain in NFL Combine Participants
Dmitry Blumenkrants, Mark Berlacher, Reginald E. Dunn, Richard Kovacs, Harvey Feigenbaum, Andrew Tucker, Andrew Lincoln, Michael Scott Emery, Krannert Institute of Cardiology, Indianapolis, IN, USA

1:40 p.m.

Question and Answer

Non Invasive Imaging (Echocardiography, Nuclear, PET, MR & CT) - Poster Contributions**Session #1244****Non Invasive Imaging: MR Scar and Perfusion**

Saturday, March 18, 2017, 1:30 p.m. - 4:30 p.m.

Poster Hall, Hall C

CME Hours: 0.75 /CNE Hours: 0.75

197 - Doxorubicin-Associated Cardiac Tissue Remodeling in Breast Cancer Patients: A Cardiac Magnetic Resonance Study

Thiago Quinaglia Silva, Ferreira de Souza Thiago, Felipe Osorio Costa, Tom Neilan, Ravi Shah, Velloso Licio, Wilson Nadruz Junior, Fabricio Brenelli, Sposito Andrei Carvalho, Otavio Coelho, Michael Jerosch-Herold, Otavio Rizzi Coelho Filho, University of Campinas, Campinas, Brazil

198 - Functional Consequences of Myocardial Scar After Myocardial Infarction: Characterization of Myocardial Scar Extent With Late Gadolinium Contrast Enhanced Cardiac Magnetic Resonance and Impact on Multilayer Global Longitudinal Strain on Speckle Tracking Echocardiography

Rachid Abou, Laurien Goedemans, Rob J. van der Geest, Martin Schalij, Nina Ajmone Marsan, Victoria Delgado, Jeroen Bax, Leiden University Medical Center, Leiden, The Netherlands

199 - Hyperemic Subendocardial-to-Subepicardial Perfusion Ratio as a Surrogate Marker for Coronary Endothelial Dysfunction: Initial Results in Women With Microvascular Dysfunction

Behzad Sharif, Ahmed Al Badri, Janet Wei, Babak Azarbal, Bruce Samuels, Debiao Li, Daniel Berman, C. Noel Bairey Merz, Cedars-Sinai Medical Center, Los Angeles, CA, USA

200 - Incremental Prognostic Utility of Late Gadolinium Enhancement in Hypertrophic Cardiomyopathy

Amgad G. Mentias, Pejman Raeisi-Giglou, Ke Feng, Zoran Popovic, Nicholas Smedira, Maran Thamilarasan, Scott Flamm, Harry Lever, Milind Y. Desai, Cleveland Clinic, Cleveland, OH, USA

201 - Assessment of Myocardial Perfusion Reserve Index Using Adenosine Versus Regadenoson Among Healthy Female Subjects

Sawan Jainapurkar, Parham Zarrini, Janet Wei, Behzad Sharif, Balaji Tamarappoo, Ahmed Al Badri, Galen Cook-Wiens, Daniel Berman, Louise Thomson, C. Noel Bairey Merz, Cedars Sinai Medical Center, Los Angeles, CA, USA

202 - Multimodality Analysis of Abnormal Myocardial Perfusion in Post-Heart Transplant Recipients

Akhil Narang, John E. Blair, Victor Mor-Avi, Savitri Fedson, Nir Uriel, Roberto Lang, Amit Patel, University of Chicago, Chicago, IL, USA

203 - Mean Pulmonary Artery Velocity Estimated by Cardiac Magnetic Resonance as an Early Prognostic Indicator in Heart Failure With Reduced Ejection Fraction Irrespective of Right Ventricular Function

Blanca Trejo Velasco, Oscar Fabregat-Andrés, María Pilar García-González, Mónica Ferrando, Diana Perdomo-Londoño, Cristina Albiach-Montañana, Rafael dela Espriella-Juan, Sergio Sánchez-Álvarez, Juan Pablo Cárdenas-Tealdo, Salvador Morell-Cabedo, Francisco Ridocci-Soriano, Hospital General Universitario de Valencia, Valencia, Spain

205 - Association of Right Atrial Function With Incident Atrial Fibrillation: The Multi-Ethnic Study of Atherosclerosis (MESA)

Eric Xie, Ricky Yu, Bharath Ambale Venkatesh, Hooman Bakhshi, Susan Heckbert, Elsayed Soliman, David Bluemke, Steven Kawut, Saman Nazarian, Joao Lima, Johns Hopkins University School of Medicine, Baltimore, MD, USA

206 - The Effect of Right Ventricular Compression on Cardiac Function in Pediatric Pectus Excavatum Patients

Candice Y. Li, Michael Taylor, Victor Garcia, Rebecca Brown, Mantosh Rattan, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA

Non Invasive Imaging (Echocardiography, Nuclear, PET, MR & CT) - Poster Contributions**Session #1245****New Technologies in Echocardiography**

Saturday, March 18, 2017, 1:30 p.m. - 4:30 p.m.

Poster Hall, Hall C

CME Hours: 0.75 /CNE Hours: 0.75

207 - Mitral Annular Disjunction Prevalence and Physiologic Consequences in Degenerative Mitral Regurgitation: A Dynamic 3-Dimensional Echocardiographic Study

Francesca Mantovani, Giovanni Benfari, Marie-Annick Clavel, Joseph F. Maalouf, Sunil Mankad, Hector Michelena, Rakesh Suri, Simon Maltais, Maurice Sarano, Mayo Clinic, Rochester, MN, USA

208 - Transthoracic Echocardiography to Guide Extracorporeal Membrane Oxygenation Decannulation After Refractory Ventricular Fibrillation Cardiac Arrest Treated With Primary Angioplasty: A Turndown Protocol

Luis Felipe N. Kazmirczak, Kathleen Carlson, Jason Bartos, Cindy Martin, Ganesh Raveendran, K. Madhu, Ranjit John, Demetris Yannopoulos, Emil Missov, University of Minnesota, Minneapolis, MN, USA

209 - Left Atrial Volume Index Over Late Diastolic Mitral Annular Velocity: A New Non-Invasive Parameter for Measurement of Left Ventricular End Diastolic Pressure

Rahul Vasudev, Upamanyu Rampal, Hiten Patel, Kunal Patel, Raja Pullatt, Mahesh Bikkina, Fayez Shamoan, New York Medical College at St. Joseph's Regional Medical Center, Paterson, NJ, USA

210 - Three-Dimensional Echocardiographic Automated Quantification of Left Ventricular and Atrial Volumes Using Adaptive Analytics Algorithm: Feasibility in Non-Selected Patients

Diego Medvedofsky, Lynn Weinert, Isida Byku, Megan Yamat, Eric Kruse, Boguslawa Cizek, Alma Nelson, Victor Mor-Avi, Roberto Lang, University of Chicago, Chicago, IL, USA

211 - Novel Non-Invasive Left Ventricular Stiffness Index in Patients With Low-Flow Compared to Normal-Flow Severe Aortic Stenosis With Preserved Left Ventricular Ejection Fraction

Nicholas Ngiam, Benjamin Tan, Ching-Hui Sia, Hui-Wen Sim, Elaine Boey, William K. F. Kong, Tiong Cheng Yeo, Kian Keong Poh, National University Heart Centre Singapore, National University Health System, Singapore, Singapore

212 - Lipoproteins, Statin Therapy, Carotid Atherosclerotic Plaque Vulnerability and Stiffness: A Study of Novel Ultrasound Methods Utilizing Microbubble Contrast Enhancement and Shear Wave Elastography

Runging Huang, Matthew W. Urban, J. Kevin DeMarco, Waleed Brinjikji, John Huston, III, Thanila A. Macedo, Eric J. Dailey, Mary E. Hagen, Sharon L. Mulvagh, Mayo Clinic, Rochester, MN, USA

213 - Novel Echocardiographic Measurements Detect Increased Myocardial Stiffness in Patients With Severe Organic Mitral Regurgitation

Tais De Jesus, Mahmoud Alashry, Sorin Pislaru, Ratnasari Padang, Elise Oehler, Vuyisile Nkomo, Patricia Pellikka, Cristina Pislaru, Mayo Clinic College of Medicine, Rochester, MN, USA

214 - Microvascular Blood Flow Abnormalities in Patients With Peripheral Vascular Disease and Abnormal Versus Normal Ankle Brachial Indices



Thomas Richard Porter, Feng Xie, George P. Casale, Hernan Hernandez, Constance Mietus, Holly DeSpeigelaere, Iraklis Pipinos, University of Nebraska Medical Center, Omaha, NE, USA

215 - Automated Detection of Mitral Valve Annular and Leaflet Geometry: Echocardiography and CT Comparison

Margret Bratanoff, Ben Lin, Tawai Ngernsritrakul, Mohammed T. Essa, Helene Houle, David Hur, Rachel E. Kaplan, Hamid Mojibian, Lissa Sugeng, Yale University School of Medicine, New Haven, CT, USA

216 - Dynamic Changes of Mitral Apparatus in Acute Myocardial Infarction With Ischemic Mitral Regurgitation: Prospective 3D Quantitative Echocardiographic Study

Toshiyuki Kimura, Nozomi Watanabe, Sergio Barros-Gomes, Veronique Roger, Maurice Enriquez-Sarano, Mayo Clinic, Rochester, MN, USA

217 - The Effect of Transcatheter Aortic Valve Replacement on Subclinical Cardiac Function Using Speckle Tracking Echocardiography

Niraj Asthana, Aditya Mantha, Eric Yang, Peyman Benharash, Gabriel Vorobiof, David Geffen School of Medicine at UCLA, Los Angeles, CA, USA

218 - New Hybrid Stress Echocardiography Protocol: A Non-Inferiority Study
Manish Jain, Shelly Rahman Haley, Aigul Baltabaeva, Department of Echocardiography, Royal Brompton & Harefield Hospital NHS Trust, Harefield, United Kingdom

219 - Assessment of Right Ventricular Energy Loss and Efficiency Using Novel Vector Flow Mapping

Masataka Sugahara, Nina Hasselberg, Marc Simon, John Gorcsan, University of Pittsburgh Medical Center, Pittsburgh, PA, USA

220 - Accuracy and Reproducibility of Automated 3D Echocardiographic Analysis of Left Ventricular Size and Ejection Fraction in Childhood Cancer Survivors

Anitha Parthiban, Rita France, Kimberley J. Reid, Girish Shirali, Sanket Shah, Children's Mercy Hospital and Clinics, Kansas City, MO, USA

Non Invasive Imaging (Echocardiography, Nuclear, PET, MR & CT) - Poster Contributions

Session #1246

Nuclear Cardiology: Quality

Saturday, March 18, 2017, 1:30 p.m. - 4:30 p.m.

Poster Hall, Hall C

CME Hours: 0.75 /CNE Hours: 0.75

222 - Worldwide Variation in the Use of Nuclear Cardiology Camera Technology, Reconstruction Software, and Acquisition Protocols: Findings From the IAEA Nuclear Cardiology Protocols Study (INCAPS)

Edward A. Hulten, Mathew Mercuri, Thomas Pascual, Joao Vitola, Nathan Better, Ganesan Karthikeyan, John Mahmarian, Madan Rehani, Maurizio Dondi, Diana Paez, Andrew Jeffrey Einstein, INCAPS Investigators, Columbia University, New York, NY, USA, IAEA, Vienna, Austria

223 - Increasing Equipment Vintage Predicts Poor Laboratory Quality and Delay in Accreditation: An Evaluation by IAC Echocardiography and Nuclear Accreditation Status

Saurabh Malhotra, Mary Beth Farrell, William Katz, Prem Soman, University at Buffalo, Buffalo, NY, USA, University of Pittsburgh, Pittsburgh, PA, USA

224 - Repeatability of Appropriateness Category Allocation by Trained Physicians

Daniel Nguyen, Aditi Nayak, Christopher Pray, Christopher Link, Andrew Althouse, Prem Soman, University of Pittsburgh Medical Center, Pittsburgh, PA, USA

225 - Rest Scan Does Not Improve Automatic Machine Learning Prediction of Major Adverse Coronary Events After High Speed Myocardial Perfusion Imaging

Julian Andres Betancur, Yuka Otaki, Matthews Fish, Mark Lemley, Damini Dey, Balaji Tamarappoo, Guido Germano, Daniel Berman, Piotr Slomka, Cedars-Sinai Medical Center, Los Angeles, CA, USA, Sacred Heart General Hospital, Eugene, OR, USA

226 - Automatic SPECT Analysis Compared to Expert Visual Scoring for the Detection of Coronary Artery Disease

Roel Driessen, Pieter Raijmakers, Ibrahim Danad, Wijnand Stuijzand, Stefan Schumacher, Adriaan Lammertsma, Albert van Rossum, Niels Van Royen, Stephen Underwood, Paul Knaapen, VU University Medical Center, Amsterdam, The Netherlands

Non Invasive Imaging (Echocardiography, Nuclear, PET, MR & CT) - Poster Contributions

Session #1247

Non Invasive Imaging: Prognostic Implications of CT Angiography

Saturday, March 18, 2017, 1:30 p.m. - 4:30 p.m.

Poster Hall, Hall C

CME Hours: 0.75 /CNE Hours: 0.75

227 - Prediction of Future Cardiovascular Risk by Analysis of Various CT Coronary Angiography-Determined Quantitative Plaque Compositional Characteristics Among Patients With Diabetes Enrolled in the FACTOR-64 Study: The Importance of the Calcified Coronary Plaque

Farangis Lavasani, Heidi May, Alan C. Kwan, George Cater, Boaz D. Rosen, David Bluemke, Donald Lappe, Jeffrey Anderson, Kirk Knowlton, Joao Lima, Muhlestein, Intermountain Medical Center, Murray, UT, USA, University of Utah, Salt Lake City, UT, USA

228 - Smoking and its Relationship With Long Term Events: Further Insights From the CONFIRM (Coronary CT Angiography Evaluation For Clinical Outcomes: An International Multicenter) Registry

Nima Omid-Fard, Amir Ahmadi, Philipp Blanke, Stephanie Sellers, Heidi Gransar, Daniel Berman, Tracy Callister, Augustin DeLago, Martin Hadamitzky, Joerg Hausleiter, Matthew Budoff, Philipp Kaufmann, Gilbert Raff, Kavitha Chinnaiyan, Todd Villines, Gudrun Feuchtnner, Gianluca Pontone, Daniele Andreini, Hugo Marques, Ronen Rubinshtein, Stephan Achenbach, Leslee Shaw, Millie Gomez, James Min, Jonathon Leipsic, Department of Medicine and Radiology, University of British Columbia, Vancouver, Canada

229 - Computed Tomography Coronary Angiography Derived Plaque Morphology Predicts Major Adverse Cardiovascular Events: Insights From a 19,943 Patient Meta-Analysis

Nitesh Nerlekar, Caitlin Cheshire, Hashrul Rashid, Rahul Muthalaly, James Cameron, Ian Meredith, Sujith Seneviratne, Dennis Wong, Adam Brown, MonashHeart, Clayton, Australia

230 - Long-Term Prognostic Value of Computed Tomography-Derived Corrected Contrast Opacification Decrease in Patients With Coronary Stenosis

Dominik C. Benz, Fran Mikulicic, Christoph Gräni, Dominic Moret, Oliver Gaemperli, Ronny Buechel, Aju Paul Pazhenkottil, Philipp Kaufmann, University Hospital Zurich, Zurich, Switzerland

232 - Prognostic Utility of Coronary Computed Tomographic Angiography Beyond Coronary Artery Calcium Score in Diabetic Patients With No Symptoms or Non-Typical Chest Pain: The CONFIRM Registry

Mahn Won Park, Ji Hyun Lee, Briann O. Hartaigh, Asim Rizvi, Donghee Han, Hadi Mirhedayati Roudsari, Subhi Al'Aref, Khalil Anouchouche, Ashley Beecy, Yao Lu, Heidi Gransar, Jessica Pena, James Min, Fay Lin, on behalf of the CONFIRM Investigators, Dalio Institute of Cardiovascular Imaging, New York, NY, USA

231 - Ethnic Differences of Coronary Atherosclerosis in Computed Tomography Angiography and Subsequent Risk of Major Adverse Cardiovascular Events: The CONFIRM Registry



David Sanders, Aaron Jolly, Nathan D. Wong, Heidi Gransar, Mayil Krishnam, James K. Min, Daniel S. Berman, CONFIRM Study Group, UC Irvine Medical Center, Orange, CA, USA, Cedars Sinai Medical Center, Los Angeles, CA, USA

234 - Prognostic Value of Segment Involvement Score Compared to Other Measures of Coronary Atherosclerosis by Computed Tomography: A Systematic Review and Meta-Analysis

Chadi Ayoub, Fernanda Erthal, Mahmoud Abdelsalam, Mohammad H. Murad, Zhen Wang, Patricia Erwin, Graham S. Hillis, Leonard Kritharides, Benjamin Chow, Mayo Clinic, Rochester, MN, USA, University of Ottawa Heart Institute, Ottawa, Canada

235 - Carotid Plaque Is Predictive of Cardio Vascular Events in Asymptomatic Diabetes: A Prospective Study

Anand Jeevarethinam, Shreenidhi Venuraju, Alain Dumo, Sherezade Ruano, Miranda Rosenthal, Devaki Nair, Daniel Darko, Mark Cohen, Avijit Lahiri, Roby Rakhit, Wellington Hospital, London, United Kingdom, University College London, London, United Kingdom

237 - Prognostic Value of Platelet-Fibrin Clot Strength on Occurrence of Cardiovascular Events After Non-Cardiac Surgery

Jong-Hwa Ahn, Min Gyu Kang, Jin-Sin Koh, Yongwhi Park, Jin-Yong Hwang, Jeong Rang Park, Young-Hoon Jeong, Gyeongsang National University Changwon Hospital, Gyeongsang National University, South Korea

238 - Quantitative Measurement of Coronary Intra-Plaque Necrotic Core by Coronary CT Angiography in Victims of Autopsy-Proven Sudden Coronary Death: A Comparison to a Histologic Reference Standard

Donghee Han, Fay Lin, Ji Hyun Lee, Asim Rizvi, Mahn Won Park, Hadi Mirhedayati Roudsari, Lohendran Baskaran, Heidi Gransar, Ashley Beecy, Khalil Anchouche, Subhi Al'Aref, Kazuyuki Yahagi, Sho Torii, Briain O. Hartaigh, Hyung Bok Park, Sang-Eun Lee, Robert Kutys, David Fowler, James Earls, Jessica Pena, Hyuk-Jae Chang, James Min, Renu Virmani, Dalio ICI, Weill Cornell Medicine, New York, NY, USA

233 - Prognosis of Obstructive and Non-Obstructive Stents by Coronary Computed Tomographic Angiography: The CONFIRM Registry

Mahn Won Park, Ji Hyun Lee, Briain O. Hartaigh, Asim Rizvi, Donghee Han, Hadi Mirhedayati Roudsari, Subhi Al'Aref, Khalil Anchouche, Ashley Beecy, Heidi Gransar, Yao Lu, Jessica Pena, James Min, Fay Lin, on behalf of the CONFIRM Investigators, Dalio Institute of Cardiovascular Imaging, New York, NY, USA

239 - HEART Score Does Not Predict the Severity of Anatomical Coronary Artery Disease in Patients Presenting to the Emergency Department With Chest Pain

Aishwarya Bhardwaj, Susan Graham, Stanley Fernandez, Umesh Sharma, Saurabh Malhotra, University at Buffalo, Buffalo, NY, USA

240 - Coronary Artery Structural Remodeling by Computed Tomography and Echocardiographic Left Ventricular Mass Changes Over the Next 5 Years: The Coronary Artery Risk Development in Young Adults (CARDIA) Study

Aristotelis Papayannis, Daniel A. Duprez, Yaorong Ge, James Terry, Edmond Kabagambe, Donald Lloyd-Jones, Joao Lima, Bharath Ambale-Venkatesh, Satoru Kishi, John Carr, David Jacobs, University of Minnesota, Minneapolis, MN, USA

241 - The Relationship Between Pericardial Adipose Tissue Volume, Atherosclerotic Plaque Type and Cardiovascular Risk: A High Risk Plaque Bioluminescence Sub-Study

Naeema Ginwala-Hasan, Francis Joshi, Jason Tarkin, Samantha Sartori, Mario Garcia, Usman Baber, Roxana Mehran, Pieter Muntendam, Valentin Fuster, Zahi Fayad, James Rudd, University of Cambridge, Cambridge, United Kingdom

242 - Can We Identify Plaques That Will Cause Acute Coronary Syndromes? An 8 Year Prospective Study Based on CT Angiography in Asymptomatic Diabetics

David A. Halon, Ronen Rubinshtein, Barak Zafrir, Mali Azencot, Moshe Y. Flugelman, Basil Lewis, Lady Davis Carmel Medical Center, Haifa, Israel

Non Invasive Imaging (Echocardiography, Nuclear, PET, MR & CT) - Scientific

Session #704

Cardiovascular Magnetic Resonance -- A Fast and Reliable Method to Change Patients' Therapy: Joint Symposium of the Society for Cardiovascular Magnetic Resonance and the American College of Cardiology

Saturday, March 18, 2017, 2 p.m. - 3:30 p.m.

Room 146 A

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Victor A. Ferrari

Co-Chair: Orlando Simonetti

2:00 p.m.

Chest Pain -But Normal Coronaries

Matthias Friedrich

2:15 p.m.

Discussion

2:20 p.m.

Case Presentation /ACC Talk

Chiara Bucciarelli-Ducci

London, United Kingdom

2:27 p.m.

Discussion

2:30 p.m.

Coronary Artery Disease: A 20 Minute Examination

Eike C. Nagel

London, United Kingdom

2:45 p.m.

Discussion

2:50 p.m.

Case Presentation/ACC Talk

Lilia Mercedes Sierra-Galan

Mexico, D.F., Mexico

2:57 p.m.

Discussion

3:00 p.m.

Impact on Decision Making in Adults With Repaired Tetralogy of Fallot: CMR

As Game Changer

Andrew J. Powell

Boston, MA

3:15 p.m.

Discussion

3:20 p.m.

CMR in the Guidelines Europe

Vanessa Ferrira

Oxfordshire, United Kingdom

3:25 p.m.

Cardiovascular Magnetic Resonance In the Guidelines: United States

Victor A. Ferrari

Philadelphia, PA



Non Invasive Imaging (Echocardiography, Nuclear, PET, MR & CT) - Scientific

Session #705

Stress Echocardiography: Best Practices and Emerging Applications

Saturday, March 18, 2017, 2 p.m. - 3:30 p.m.

Room 147 A

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Lisa Mendes

Co-Chair: Susan Wiegers

2:00 p.m.

Technical Tips and Tricks During Stress Echo

Jayne Cleve

2:30 p.m.

Introducing the Diastolic Stress Test

Patricia Pellikka

Rochester, MN

2:45 p.m.

Using Stress Echo to Assess Mitral Regurgitation

Paul Grayburn

Dallas, TX

3:00 p.m.

Is Contrast Finally Ready for Perfusion Stress Echo?

Thomas Porter

Omaha, NE

3:15 p.m.

Question and Answer

Non Invasive Imaging (Echocardiography, Nuclear, PET, MR & CT) - Moderated Poster Contributions

Session #1264M

Technical Advances in Transthoracic Echocardiography

Saturday, March 18, 2017, 3:45 p.m. - 4:30 p.m.

Non Invasive Imaging Moderated Poster Theater, Poster Hall, Hall C

CME Hours: 0.75 /CNE Hours: 0.75

ACC Poster Moderator: Daniel Jose Pineiro

ACC Poster Moderator: Nishath Quader

3:45 p.m.

Safety of Perflutren-Based Echocardiographic Contrast Agent Administration in the Setting of a Patent Foramen Ovale (PFO): A Multicenter Study Conducted in Tertiary Care Centers Based in the New York/Chicago Metropolitan Areas

Valentin Suma, Karthik Seetharam, Hadi Halazun, Sergie Ziad, Jeffrey J. Silbiger, Benoit Bewley, Farhan Bajwa, Suraj Sookhu, Jyothy Puthumana, Arif Jivan, Ajay Yadlapati, Issam A. Mikati, Edgar Argulian, Jasjit Bhinder, Lakshmi Muthukumar, Rena Toole, Aasha Gopal, Farooq A. Chaudhry, North Shore-LIJ Medical Center/Hofstra North Shore-LIJ School of Medicine, Manhasset, NY, USA, Icahn School of Medicine at Mount Sinai, New York, NY, USA

3:55 p.m.

Question and Answer

4:00 p.m.

Stroke Volume Determined Flow Reserve Does Not Predict the True Severity of Low-Flow Low-Gradient Aortic Stenosis and Is Not a Robust Marker of Contractile Reserve in Patients Undergoing Low-Dose Dobutamine Echocardiography

Anastasia Vamvakidou, Navtej Chahal, Reine Hampson, Nikolaos Karogiannis, Wei Li, Rajdeep Khattar, Roxy Senior, Northwick Park Hospital, Harrow, United Kingdom, Royal Brompton Hospital, London, United Kingdom

4:10 p.m.

Question and Answer

4:15 p.m.

E/e' Short- and Long-Term Independent Prognostic Role in Patients With Left Ventricular Dysfunction

Giovanni Benfari, Clemence Antoine, Wayne Miller, Hector Michelena, Vuyisile Nkomo, Maurice Sarano, Mayo Clinic, Department of Cardiovascular Disease, Rochester, MN, USA

4:25 p.m.

Question and Answer

Non Invasive Imaging (Echocardiography, Nuclear, PET, MR & CT) - Scientific

Session #717

Role of Imaging in Peripheral Artery Disease

Saturday, March 18, 2017, 4:45 p.m. - 6 p.m.

Room 140 B

CME Hours: 1.25 /CNE Hours: 1.25

Co-Chair: Christopher Kramer

Co-Chair: Albert Sinusas

4:45 p.m.

Ultrasound Imaging in PAD

Jonathan Lindner

5:00 p.m.

Application of CT Imaging for PAD

Sanjay Rajagopalan

Baltimore, MD

5:15 p.m.

Role of Contrast and Non-Contrast MR in PAD

Subha Raman

Columbus, OH

5:30 p.m.

Radiotracer Imaging for PAD

Mitchel Stacy

New Haven, CT

5:45 p.m.

Question and Answer

Non Invasive Imaging (Echocardiography, Nuclear, PET, MR & CT) - Scientific

Session #718

Clinical Utility of Cardiac CT in 2017: Joint Symposium of the Society of Cardiovascular Computed Tomography and the American College of Cardiology

Saturday, March 18, 2017, 4:45 p.m. - 6 p.m.

Room 146 A

CME Hours: 1.25 /CNE Hours: 1.25

Co-Chair: Jonathon Leipsic

Co-Chair: James K. Min

4:45 p.m.

Risk Stratification of the asymptomatic patient with CACS

Leslee J. Shaw

4:55 p.m.

Coronary CTA Angiography enables therapeutic decision making that reduces hard events- Lessons from Scot-Heart and Promise

Pamela S. Douglas

Durham, NC

5:05 p.m.

Coronary CT in the ED in the setting of HS-Troponins

Koen Nieman

Rotterdam, Netherlands



5:15 p.m.
Risk prediction beyond stenosis- What CT is teaching us about coronary atherosclerosis
James K. Min
New York, NY

5:25 p.m.
Improving outcomes in transcatheter valvular therapies with MDCT
Jonathon Leipsic
Vancouver, BC

5:35 p.m.
Changing practice with non-invasive FFRCT- The Danish Experience
Bjarne Norgaard
Aarhus, Denmark

5:45 p.m.
Question and Answer

Non Invasive Imaging (Echocardiography, Nuclear, PET, MR & CT) - Scientific

Session #719

Imaging of Myocardial Blood Flow: A Multimodality Approach

Saturday, March 18, 2017, 4:45 p.m. - 6 p.m.

Room 147 A

CME Hours: 1.25 /CNE Hours: 1.25

Co-Chair: W. Gregory Hundley
Co-Chair: Thomas Schindler

4:45 p.m.
Echocardiographic Measurement of Myocardial Blood Flow
Sanjiv Kaul

4:57 p.m.
Measuring flow with Cardiac MRI: Ready for Prime Time
Michael Jerosch-Herold
Boston, MA

5:09 p.m.
CT Assessment of MBF: Not Just a Research Tool Anymore
Ron Blankstein
Boston, MA

5:21 p.m.
SPECT Myocardial Blood: an Emerging Modality
Terrence Ruddy
Ottawa, Canada

5:33 p.m.
PET Myocardial Blood Flow Quantification: The Gold Standard
Venkatesh Murthy
Ann Arbor, MI

5:45 p.m.
Question and Answer

Non Invasive Imaging (Echocardiography, Nuclear, PET, MR & CT) - Scientific

Session #732

Nuclear Cardiology: Current Applications and Best Practices: Joint Symposium of the American Society of Nuclear Cardiology and the American College of Cardiology

Sunday, March 19, 2017, 8 a.m. - 9:30 a.m.

Room 146 A

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Raymond R. Russell
Co-Chair: Kim Allan Williams

8:00 a.m.
ACC Talk: Nuclear Cardiology in 2017
Brian G. Abbott

8:10 a.m.
Panel Discussion: Risk Stratification with Cases Using A Variety of Imaging Modalities

8:10 a.m.
Nuclear Cardiology: Risk Stratification
Manuel D. Cerqueira
Cleveland, OH

8:10 a.m.
Nuclear Cardiology: Risk Stratification
Prem Soman
Pittsburgh, PA

8:40 a.m.
Contemporary SPECT Imaging: New Technologies and Protocols
Milena Henzlova
NY

8:50 a.m.
Cardiac PET: Let's Go with the Flow
Marcelo F. Di Carli
Boston, MA

9:00 a.m.
Nuclear Imaging in Heart Failure
Mark I. Travin
Pleasantville, NY

9:10 a.m.
Cardiac PET in Systemic Diseases
Sharmila Dorbala
Boston, MA

9:20 a.m.
Question and Answer

Non Invasive Imaging (Echocardiography, Nuclear, PET, MR & CT) - Scientific

Session #733

Clinical Applications of Cardiac MRI in 2017

Sunday, March 19, 2017, 8 a.m. - 9:30 a.m.

Room 152 A

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Raymond Y. Kwong
Co-Chair: Dipan Shah

8:00 a.m.
Assessment of Cardiomyopathy
Dudley Pennell Kingdom

8:15 a.m.
Assessment of Coronary Artery Disease
Francesco Fedele
155-00161 Viale del Policlinico Roma, Italy

8:30 a.m.
Assessment of Myocarditis
Matthias Friedrich
Montreal, Canada

8:45 a.m.
Assessment of Congenital Heart Disease
Anne Marie Valente
Boston, MA



9:00 a.m.
Assessment of Pericardial Disease
Mouaz Al-Mallah
Riyadh 11426, Saudi Arabia

9:15 a.m.
Question and Answer

Non Invasive Imaging (Echocardiography, Nuclear, PET, MR & CT) - Oral Contributions
Session #909
Highlighted Original Research: Non Invasive Imaging and the Year in Review
Sunday, March 19, 2017, 8 a.m. - 9:30 a.m.
Room 140 B
CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: George Beller
Co-Chair: Victor Ferrari

8:00 a.m.
Year in Review Speaker
Jagat Narula

8:12 a.m.
Radiotracer Imaging Allows for Assessment of Serial Changes in Angiosome Foot Perfusion Following Revascularization and Predicts Limb Salvage Outcomes in Patients With Critical Limb Ischemia
Jessica Buckley, Carlos Mena-Hurtado, Sangchoon Jeon, Xenophon Papademetris, Peter A. Blume, Bauer Sumpio, Albert Sinusas, Mitchel Stacy, Yale University School of Medicine, New Haven, CT, USA

8:22 a.m.
Discussion

8:25 a.m.
The Association of High Risk Plaque Features and Non-Invasive Fractional Flow Reserve Derived From Coronary Computed Tomography Angiography in Patients With Acute Chest Pain: Results From the ROMICAT II Trial
Maros Ferencik, Michael T. Lu, Thomas Mayrhofer, Stefan B. Puchner, Ting Liu, Pal Maurovich-Horvat, Alexander Ivanov, Elizabeth Adami, Brian Ghoshhajra, Souma Sengupta, Campbell Rogers, Udo Hoffmann, Oregon Health and Science University, Portland, OR, USA, Massachusetts General Hospital, Boston, MA, USA

8:35 a.m.
Discussion

8:38 a.m.
Prognostic Significance of Co-Existing Persistent Edema and Hemorrhage at 6 Months in Survivors of ST-Elevation Myocardial Infarction
Jaelyn Carberry, David Carrick, Caroline Haig, Nadeem Ahmed, Vanessa T. Y. May, Margaret McEntegart, Hany Eteiba, M. Mitchell Lindsay, Stuart Hood, Stuart Watkins, Andrew Davie, Ahmad Mahrous, Ify Mordji, Ian Ford, Aleksandra Radjenovic, Keith Oldroyd, Colin Berry, University of Glasgow, Glasgow, United Kingdom

8:48 a.m.
Discussion

8:51 a.m.
Integrating Hyperemic Myocardial Blood Flow and Coronary Flow Reserve for Predicting Cardiovascular Mortality Outcomes in Patients With Known or Suspected Ischemic Heart Disease
Ankur Gupta, Viviany Taqueti, T. P. van de Hoef, Paco Bravo, Venkatesh Murthy, Sara Seidelmann, Tomas Vita, Navkaranbir Bajaj, Thomas Christensen, Michael Osborne, Victoria Morgan, Courtney Foster, Meagan Harrington, Jon Hainer, Ornella Rimoldi, Sharmila Dorbala, Ron Blankstein, Paolo Camici, Marcelo F. Di Carli, Brigham and Women's Hospital, Boston, MA, USA

9:01 a.m.
Discussion

9:04 a.m.
Screening for Cardiovascular Disease in High Risk Occupations: The United States Air Force Approach
Eddie Davenport, Edwin Palileo, William Kruyer, Steven Gore, United States Air Force School of Aerospace Medicine, Wright Patterson AFB, OH, USA

9:14 a.m.
Discussion

9:17 a.m.
Stress Myocardial Perfusion Imaging Versus Exercise Treadmill Testing: Comparison of Clinical and Economic Outcomes in Real-World Emergency Department Settings
John J. Mahmarian, Manuel Cerqueira, Tanya Burton, Jerry Seare, Rita Kristy, Therese Kitt, James Spalding, Houston Methodist Hospital, Houston, TX, USA, Astellas Pharma Global Development, Northbrook, IL, USA

9:27 a.m.
Discussion

Non Invasive Imaging (Echocardiography, Nuclear, PET, MR & CT) - Poster Contributions
Session #1288
Nuclear Cardiology: Coronary Flow
Sunday, March 19, 2017, 9:30 a.m. - 12:30 p.m.
Poster Hall, Hall C
CME Hours: 0.75 /CNE Hours: 0.75

197 - Reduced Flow Capacity as Measured by Cardiac Positron Emission Tomography Predicts Ventricular Tachyarrhythmia in Patients With an ICD
Todd Rosenthal, Daniel Masvidal, Freddy Abi-Samra, Michael Bernard, Sammy Khatib, Glenn Polin, Paul Rogers, Robert Bober, Daniel Morin, Ochsner Medical Center, New Orleans, LA, USA

198 - Precisely Controlled Arterial CO₂ Can Potentiate Myocardial Blood Flow to the Same Extent as Adenosine: A Preclinical Study in Canines With ¹³N-Ammonia PET
Hsin-Jung Yang, Damini Dey, Jane Sykes, Michael Klein, John Butler, Michael Kovacs, Olivia Sobczyk, Behzad Sharif, Xiaoming Bi, Avinash Kali, Ivan Cokic, Richard Tang, Roya Yumul, Antonio Conte, Sotirios Tsaftaris, Mourad Tighiouart, Debiao Li, Piotr Slomka, Daniel Berman, Frank Prato, Joseph Fisher, Rohan Dharmakumar, Cedars-Sinai Medical Center, Los Angeles, CA, USA

199 - Patient Based Territorial Coronary Flow Analysis by Voronoi Algorithm With ¹³N Ammonia PET CTA Fusion
Kenji Fukushima, Yuka Matsuo, Mitsuru Momose, Michinobu Nagao, Nobuyuki Kihara, Stephan Nekolla, Akiko Sakai, Kayoko Sato, Nobuhisa Hagiwara, Shuji Sakai, Tokyo Women's Medical University, Tokyo, Japan

200 - Diagnostic Performance of Hybrid Assessment With Stress Only Myocardial Perfusion Single Photon Emission Computed Tomography Using Semiconductor Gamma Camera and Rest Myocardial Scar Findings Obtained From 320 Detector Row Computed Tomography
Yasuyuki Suzuki, Keiichiro Kuronuma, Ayano Makita, Yusuke Hori, Shunichi Yoda, Naoya Matsumoto, Atsushi Hirayama, Department of Cardiology, Nihon University Hospital, Tokyo, Japan, Division of Cardiology, Department of Medicine, Nihon University, Tokyo, Japan

201 - Patient Motion Significantly Affects Measurements of Quantitative Global Regional Myocardial Blood Flow Assessment by Dynamic Pet
Yuka Otaki, Julian Betancur, Guido Germano, Damini Dey, Daniel Berman, Piotr Slomka, Cedars-Sinai Medical Center, Los Angeles, CA, USA

**Non Invasive Imaging (Echocardiography, Nuclear, PET, MR & CT) - Poster Contributions****Session #1289****Non Invasive Imaging: Role of Exercise Testing**

Sunday, March 19, 2017, 9:30 a.m. - 12:30 p.m.

Poster Hall, Hall C

CME Hours: 0.75 /CNE Hours: 0.75

202 - Using Machine Learning to Define the Association Between Cardiorespiratory Fitness and All-Cause Mortality: The FIT (Henry Ford Exercise Testing) Project

Mouaz H. Al-Mallah, Amjad Ahmed, Waqas Qureshi, Radwa Elshawi, Clinton Brawner, Michael Blaha, Haitham Ahmed, Jonathan K. Ehrman, Steven Keteyian, Sherif Sakr, Henry Ford Hospital, Detroit, MI, USA, King Abdulaziz Medical City, King Saud bin Abdulaziz University for Health Sciences, Riyadh, Saudi Arabia

203 - The Non-Invasive Physiological Detection of Myocardial Ischemia in Coronary Artery Disease

Matthew Hakimi, Tomohiko Kisaka, Hideya Yamamoto, Karlman Wasserman, Matthew Budoff, Harbor - UCLA Medical Center, Torrance, CA, USA, Hiroshima University Hospital, Hiroshima, Japan

204 - Exercise Test Predicts Both Cardiovascular and Non-Cardiovascular Mortality in Patients Without Cardiovascular Disease

Nora Sydo, Tibor Sydó, Bela Merkely, Shausha Farooq, Nasir Hussain, Karina Gonzalez Carta, Francisco Lopez-Jimenez, Adelaide Arruda-Olson, Thomas Allison, Mayo Clinic, Rochester, MN, USA, Heart and Vascular Center, Semmelweis University, Budapest, Hungary

205 - Impaired Left Ventricular Longitudinal Functional Reserve in Patients With Psoriatic Arthritis: A Low-Level Bicycle Ergometer Exercise Test

Qing Shang, Hua Li, Lai-Shan Tam, John E. Sanderson, Ching-Han Priscilla Wong, Cheuk-Man Yu, Brian Tomlinson, The Chinese University of Hong Kong, Hong Kong, Hong Kong

206 - Stress Myocardial Perfusion Imaging in Anomalous Aortic Origin of a Coronary Artery: Results Following a Standardized Approach

Hitesh Agrawal, Carlos Mery, Rajesh Krishnamurthy, Kristen Sexson, Cory Noel, Prakash Masand, Siddharth Jadhav, Emmett McKenzie, Athar Qureshi, Charles Fraser, Silvana Molossi, Texas Children's Hospital, Baylor College of Medicine, Houston, TX, USA

Non Invasive Imaging (Echocardiography, Nuclear, PET, MR & CT) - Poster Contributions**Session #1290****Non Invasive Imaging: MR Structure and Valvular Heart Disease**

Sunday, March 19, 2017, 9:30 a.m. - 12:30 p.m.

Poster Hall, Hall C

CME Hours: 0.75 /CNE Hours: 0.75

207 - Hypertension, Microvascular Pathology and Prognosis in Patients With an Acute ST-Segment Elevation Myocardial Infarction

Colin Berry, David Carrick, Nadeem Ahmed, Jaclyn Carberry, Vannesa T. Y. May, Margaret McEntegart, Hany Eteiba, Martin Lindsay, Stuart Hood, Stuart Watkins, Andrew Davie, Ahmed Mahrous, Ify Mordi, Ian Ford, Aleksandra Radjenovic, Keith Oldroyd, Caroline Haig, University of Glasgow, Glasgow, United Kingdom

208 - Quantitative Measurements on Cardiac Magnetic Resonance to Differentiate Benign Versus Malignant Masses: A Pilot Study

Hilda Mariana Gonzalez Bonilla, Mohamamd Khan, Eric Yang, Akanksha Thakkar, Bader Alshammari, Roberto Barrios, Faisal Nabi, Michael Reardon, Dipan Shah, Houston Methodist Hospital, Houston, TX, USA

209 - Diagnostic Value of Qt Evaluation in Anterior ST Segment Elevation Myocardial Infarction for Prediction of Myocardial Salvage Index, as Compared to CMR

Gianluca Pontone, Andrea Igoren Guaricci, Patrizia Carità, Daniele Andreini, Marco Guglielmo, Saima Mushtaq, Andrea Baggiano, Massimo Verdecchia, Mauro Pepi, Gianluca Pontone, Milan, Italy

210 - Mild Rheumatic Valvular Heart Disease Is Associated With Interstitial Myocardial Fibrosis: A T1 Mapping Study

Carlos G. Santos-Gallego, Yennik Glasgow, Michael Benacerraf, Allen Weiss, Chirag Agarwal, Juan Antonio Requena-Ibanez, Valentin Fuster, Juan Badimon, Angel Sanz Salvo, Icahn School of Medicine at Mount Sinai, New York, NY, USA

211 - Role of Longitudinal Fiber Dysfunction in Stress Induced Left Ventricular Dilatation

Navdeep Tandon, Daniel Morgenstern, Brandon Mikolich, J. Ronald Mikolich, Sharon Regional Health System, Hermitage, PA, USA, Cleveland Clinic Akron General, Akron, OH, USA

212 - QRS Fragmentation Predicts Myocardial Fibrosis, Left Ventricular Dysfunction and Ventricular Tachycardia in Chagas' Disease

Edgar Alexander Illescas González, Gabriela Melendez-Ramirez, Diego Araiza-Garaygordobil, Daniel Sierra-Lara, Agustin Rivera-Rodriguez, Aloha Meave, Erick Alexanderson Rosas, Instituto Nacional de Cardiologia Ignacio Chavez, Mexico City, Mexico

214 - Heart Rate Response During Regadenoson Stress Cardiac Magnetic Resonance Imaging Is a Predictor of Adverse Cardiovascular Outcomes

Jennifer Jue, Simone Romano, Brent White, Raksha Indorkar, Devang Parikh, Afshin Farzaneh-Far, University of Illinois at Chicago, Chicago, IL, USA

216 - High-Intensity Culprit Plaque on Noncontrast T1-Weighted Magnetic Resonance Imaging as a Novel Determinant of Major Adverse Cardiac and Cerebrovascular Events After Percutaneous Coronary Intervention

Kenji Matsumoto, Shoichi Ehara, Takao Hasegawa, Kenei Shimada, Izumi Municipal Hospital, Izumi, Japan, Osaka City University Graduate School of Medicine, Osaka, Japan

215 - Cardiac Diffusion Weighted Image in Patients With Cardiac Sarcoidosis: Comparison to ¹⁸F-fludeoxyglucose PET

Kenji Fukushima, Yasuhiro Goto, Michinobu Nagao, Mitsuru Momose, Masami Yoneyama, Yamato Shimomiya, Naoki Serizawa, Eri Watanabe, Nobuhisa Hagiwara, Shuji Sakai, Tokyo Women's Medical University, Tokyo, Japan

Non Invasive Imaging (Echocardiography, Nuclear, PET, MR & CT) - Poster Contributions**Session #1291****Insights From Echocardiography Use**

Sunday, March 19, 2017, 9:30 a.m. - 12:30 p.m.

Poster Hall, Hall C

CME Hours: 0.75 /CNE Hours: 0.75

217 - Relation of Left Ventricular Remodeling to Left Ventricular Diastolic Function Measures at Middle Age: Coronary Artery Risk Development in Young Adults (CARDIA) Study

Satoru Kishi, Jared Reis, Bharath A. Venkatesh, Yoshiaki Ohyama, Donald Lloyd-Jones, Cora Lewis, Stephen Sidney, Pamela Schreiner, Kiang Liu, Samuel Gidding, Akihiro Isogawa, Joao Lima, Johns Hopkins University, Baltimore, MD, USA, Mitsui Memorial Hospital, Tokyo, Japan

218 - Relation of Left Ventricular Remodeling to Left Ventricular Systolic Function Measures at Middle Age: Coronary Artery Risk Development in Young Adults (CARDIA) Study

Satoru Kishi, Jared Reis, Bharath A. Venkatesh, Yoshiaki Ohyama, Donald Lloyd-Jones, Cora Lewis, Stephen Sidney, Pamela Schreiner, Kiang Liu, Samuel Gidding, Akihiro Isogawa, Joao Lima, Johns Hopkins University, Baltimore, MD, USA, Mitsui Memorial Hospital, Tokyo, Japan



220 - Intervention Versus Observation in Symptomatic Patients With Normal Flow-Low Gradient Severe Aortic Stenosis

Oren Zusman, Yan Topilsky, Beilinson Campus, Rabin Medical Center, Petach Tiqva, Israel, Tel Aviv Sourasky Medical Center, Tel Aviv, Israel

235 - Quantitative Distinction of LV Myocardium Classified by Presence or Absence of Fibrotic Change and/or Hypertrophic Change Confirmed by Cardiac Magnetic Resonance in Hypertrophic Cardiomyopathy and 2D Speckle Tracking TTE

Nobusada Funabashi, Hiroyuki Takaoka, Koya Ozawa, Yoshio Kobayashi, Chiba University, Chiba, Japan

221 - Aortic Regurgitation Negatively Affects Left Ventricular Mechanics After Transcatheter Aortic Valve Replacement

Kimi Sato, Arnav Kumar, Brandon Jones, Stephanie Mick, Amar Krishnaswamy, Richard Grimm, Milind Y. Desai, Brian Griffin, L. Leonardo Rodriguez, Samir Kapadia, Zoran Popovic, Cleveland Clinic, Cleveland, OH, USA

222 - Impact of Echo Contrast Agents on Ventricular Assist Devices (VAD) Hemodynamics: Are They Safe to Use?

Adnan Kassier, Adam Tawney, Paul Nona, Karthikeyan Ananthasubramaniam, Henry Ford Health System, Detroit, MI, USA

223 - Value of Automated and Semi-Automated Measurement by Novel Three-Dimensional Echocardiography Software for Aortic Annulus Sizing in Candidates of Transcatheter Aortic Valve Replacement: Comparison With Multi-Detector Computed Tomography

Nahoko Kato, Kentaro Shibayama, Yu Fukui, Makio Muraishi, Masahiko Noguchi, Yu Makihara, Hiroshi Okumura, Kotaro Obunai, Mitsuaki Isobe, Hiroyuki Watanabe, Tokyo Bay Urayasu/Ichikawa Medical Center, Urayasu, Japan, Tokyo Medical Dental University, Tokyo, Japan

224 - Layer-Specific Strain Analysis by Two-Dimensional Speckle Tracking Echocardiography: Improvement of Coronary Artery Disease Diagnostics in Patients With Stable Angina Pectoris

Christoffer Hagemann, Søren Hoffmann, Rikke Andersen, Thomas Hansen, Flemming Javier Olsen, Peter Jørgensen, Jan Jensen, Tor Biering-Sørensen, Department of Cardiology, Herlev & Gentofte Hospital, University of Copenhagen, Hellerup, Denmark

225 - Diastolic Dysfunction by Doppler Echocardiography Predicts Mortality after Cardiac Arrest

Jacob Colin Jentzer, Sunil Mankad, Sorin Pislaru, Gregory Barsness, Kianoush Kashani, Alejandro Rabinstein, Roger White, The Mayo Clinic, Rochester, MN, USA

226 - Gabapentinoids Therapy Is Associated With Higher Doses of Atropine and Dobutamine in Stress Echocardiography

Daniel Ortiz, Allen Gotz, Deb Mahlum, Khawaja Afzal Ammar, Steven C. Port, Aurora Cardiovascular Services, Aurora Sinai/Aurora St. Luke's Medical Centers, Milwaukee, WI, USA

227 - Miscalculation of Right Atrial Pressure by Echocardiography in Patients With Structural Heart Disease: A Simultaneous Echocardiography-Catheterization Study

William Miranda, Kashish Goel, Rick Nishimura, Mayo Clinic, Rochester, MN, USA

228 - Echocardiographic Parameters of Myocardial Performance After Transapical Versus Transfemoral Transcatheter Aortic Valve Replacement

Mohammed Al-Hijji, Chad Zack, Patricia Pellikka, Vuyisile Nkomo, Guy Reeder, Charanjit Rihal, Mackram F. Eleid, Mayo Clinic, Rochester, MN, USA

229 - Universal Use of Contrast to Detect Left Ventricular Thrombus in Patients With Reduced Ejection Fraction Is Not Associated With Improved Clinical or Cost-Effectiveness Outcomes

E. Philip Lehman, Patricia Cowper, Tiffany Randolph, Andrzej Kosinski, Ranato D. Lopes, Pamela S. Douglas, Duke University School of Medicine, Durham, NC, USA, Duke Clinical Research Institute, Durham, NC, USA

230 - Comparison of Clinical Exam, Patient Symptoms and Hand-Carried Ultrasound in Assessing Decongestion of Hospitalized Patients With Heart Failure

Mohammad-Ali Jazayeri, Holly Rodin, Melissa Madsen, Steven Goldsmith, Bradley Bart, Gautam Shroff, University of Kansas Medical Center, Kansas City, KS, USA, Hennepin County Medical Center, Minneapolis, MN, USA

231 - Trends and Use of Echocardiography in Patients With *Staphylococcus Aureus* Bacteremia: An Analysis Using the Nationwide Inpatient Sample (NIS) Data

Prakrity Urja, Arjun Theertham, Mukund Kumar, Nina Zook, Kellen O'Neill, Ryan Walters, Ram Belbase, Renuga Vivekanandan, Venkata Alla, Creighton University Medical Center, Omaha, NE, USA

232 - Advances in 3D Echocardiography: Automated Software Improves the Learning Curve and Clinical Implementation in a Real World Setting for Quantitative Assessment of Left Ventricular Ejection Fraction

Ronald B. Chin, Cassie Tighe, Timothy Beaver, Terrence Welch, Salvatore Costa, Dartmouth-Hitchcock Medical Center, Lebanon, NH, USA

233 - Novel Echocardiographic Variables in the Diagnosis of Acute Pulmonary Embolism

Adivya Sood, Arshad Javed, Mobeen Rehman, Kartik Kumar, Manmohan Singh, Emmanuel Akintoye, Mohan Palla, Luis Afonso, DMC/Wayne State University, Detroit, MI, USA

236 - Quantitative Differentiation of LV Myocardium With and Without Layer-Specific Fibrosis on CMR in Hypertrophic Cardiomyopathy Using Layer-Specific Strain TTE Analysis

Nobusada Funabashi, Hiroyuki Takaoka, Koya Ozawa, Yoshio Kobayashi, Chiba University, Chiba, Japan

Non Invasive Imaging (Echocardiography, Nuclear, PET, MR & CT) - Poster Contributions

Session #1292

Non Invasive Imaging: New Technologies

Sunday, March 19, 2017, 9:30 a.m. - 12:30 p.m.

Poster Hall, Hall C

CME Hours: 0.75 /CNE Hours: 0.75

237 - A Novel 3D Myocardial Strain Determined by Existing 320-Slice CT Data Enhances Visual Assessment of Late Enhancement on CT for the Detection of Left Ventricular Myocardial Fibrosis in Non Ischemic Cardiomyopathy

Nobusada Funabashi, Hiroyuki Takaoka, Koya Ozawa, Masae Uehara, Yoshio Kobayashi, Chiba University, Chiba, Japan

238 - Improved Diagnosis of Detection of Late Enhancement in Left Ventricular Myocardium Using 2nd Generation 320-Slice CT Reconstructed With FIRST in Non-Ischemic Cardiomyopathy

Nobusada Funabashi, Hiroyuki Takaoka, Koya Ozawa, Masae Uehara, Koichi Sano, Yoshio Kobayashi, Chiba University, Chiba, Japan, Eastern Chiba Medical Center, Togane, Japan

239 - Improvement in LDL Is Associated With Decrease in Non-Calcified Plaque Volume on CTA as Measured by Automated Quantitative Software

Balaji Tamarappoo, Yuka Otaki, Mhairi Doris, Yoav Arnsion, Heidi Gransar, Sean Hayes, John Friedman, Louise Thomson, Frances Wang, Alan Rozanski, Piotr Slomka, Damini Dey, Daniel Berman, Cedars Sinai Medical Center, Los Angeles, CA, USA

240 - Novel Three-Dimensional Geometric Method Using Computed Tomography for Predicting the Incomplete Occlusion of Left Atrial Appendage Closure



Hyung Bok Park, Byunghwan Jeon, Yoonmi Hong, Hyuk-Jae Chang, Integrative Cardiovascular Imaging Research Center, Yonsei University Health System, Seoul, South Korea

241 - Optimal Method for Necrotic Core Identification in Coronary Plaque With Dual-Energy Computed Tomography: Material Decomposition and Atomic Number

Hadi Mirhedayati Roudsari, Fay Lin, Brian Ó. Hartaigh, Asim Rizvi, Ji Hyun Lee, Donghee Han, Mahn Won Park, Yao Lu, Subhi J. Al'Aref, Khalil Anchouche, Ashley Beecy, Kazuyuki Yahagi, Sho Torii, David Fowler, Robert Kutys, James Earls, Jessica Peña, James Min, Renu Virmani, Dalio Institute of Cardiovascular Imaging, Weill Cornell Medicine & New York-Presbyterian Hospital, New York, NY, USA

242 - Medium Contrast Enhancement Pattern of Left Atrial Appendage in Cardiac CT Predicts Stroke Risk in Patients With Atrial Fibrillation

Takafumi Inoue, Yoshihiro Suematsu, Tsukuba Memorial Hospital, Tsukuba, Japan

Non Invasive Imaging (Echocardiography, Nuclear, PET, MR & CT) - Moderated Poster Contributions

Session #1307M

Emerging Applications for Imaging Cardiac Amyloidosis: Nuclear Cardiology

Sunday, March 19, 2017, 9:45 a.m. - 10:30 a.m.

Non Invasive Imaging Moderated Poster Theater, Poster Hall, Hall C

CME Hours: 0.75 /CNE Hours: 0.75

ACC Poster Moderator: Sabahat Bokhari

ACC Poster Moderator: Sharmila Dorbala

9:45 a.m.

Predictors of a Positive Technetium Pyrophosphate Scan in Patients With Suspected Cardiac Amyloidosis

Ahmad Masri, Ricardo Nieves, Michael S. Sharbaugh, Andrew Althouse, William Follansbee, Joao Cavalcante, Prem Soman, University of Pittsburgh Medical Center, Pittsburgh, PA, USA

9:55 a.m.

Question and Answer

10:00 a.m.

Fluorine-18 Sodium Fluoride Positron Emission Tomography for Imaging Transthyretin Cardiac Amyloidosis

Rachelle Morgenstern, Randy Yeh, Adam Castano, Mathew Maurer, Sabahat Bokhari, Columbia University Medical Center, New York, NY, USA

10:10 a.m.

Question and Answer

10:15 a.m.

How Useful Is ^{99m}Tc-DPD Scintigraphy in Diagnosis of Cardiac Amyloidosis in Transthyretin V30M Familial Amyloid Polyneuropathy?

Maria C. Azevedo Coutinho, Nuno Cortez-Dias, Susana Gonçalves, Guilhermina Cantinho, Tatiana Guimarães, Gustavo Lima da Silva, Ana R. Francisco, Laura Santos, Isabel Conceição, Fausto Pinto, Department of Cardiology, Santa Maria University Hospital, Lisbon, Portugal

10:25 a.m.

Question and Answer

Non Invasive Imaging (Echocardiography, Nuclear, PET, MR & CT) - Scientific

Session #746

Point of Care Ultrasound (POCUS): The Future or a Fad?

Sunday, March 19, 2017, 10:45 a.m. - 12:15 p.m.

Room 140 B

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Patricia Pellikka

Co-Chair: Robert Siegel

Panelist: Michael W. Cullen

Panelist: Amy Morris

Panelist: Jagat Narula

Panelist: Neil J. Weissman

10:45 a.m.

The Diagnostic Capabilities of POCUS: How Good is it?

Michael Cullen

Owatonna, MN

10:57 a.m.

Question and Answer

11:03 a.m.

POCUS: The Critical Care Perspective

Amy Morris

Seattle, WA

11:15 a.m.

Question and Answer

11:21 a.m.

Integration of POCUS into Medical Education: Training and Standards

Jagat Narula

New York, NY

11:33 a.m.

Question and Answer

11:39 a.m.

Putting POCUS in Perspective -- What does the Future Hold?

Neil Weissman

Washington, DC

11:51 a.m.

Panel Discussion with Question and Answer

Non Invasive Imaging (Echocardiography, Nuclear, PET, MR & CT) - Scientific

Session #747

Imaging in Valvular Heart Disease: Applying Guidelines to Clinical Practice and What to do if They Don't Fit

Sunday, March 19, 2017, 10:45 a.m. - 12:15 p.m.

Room 143 A

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Maurice Enriquez-Sarano

Co-Chair: William Zoghbi

10:45 a.m.

How do I Incorporate the ACC/AHA Valve Guidelines in My Practice

Catherine Otto

11:00 a.m.

Quantification of Mitral Regurgitation -- Using all of the Tools in my Echo Lab

Judy Hung

Boston, MA

11:15 a.m.

Moderate or Severe Aortic Stenosis -- How to Best Use Echo to Distinguish



Smadar Kort
Roslyn, NY

11:30 a.m.
The Tricuspid Valve – Why Should I Pay Attention to this Valve ?
Sabrina Phillips
Oklahoma City, OK

11:45 a.m.
How Do the New Echo Guidelines Change My Practice
William Zoghbi
Houston, TX

12:00 p.m.
Question and Answer

Non Invasive Imaging (Echocardiography, Nuclear, PET, MR & CT) - Scientific Session #758

Great Debates in Cardiac CT

Sunday, March 19, 2017, 12:30 p.m. - 1:45 p.m.

Room 140 B

CME Hours: 1.25 /CNE Hours: 1.25

Co-Chair: Daniel Berman
Co-Chair: Michael Blaha

12:30 p.m.
Debate: Calcium Scoring Outperforms Risk Scores for Optimizing Appropriate Primary Preventative Therapies and Should be More Broadly Performed, Pro
Khurram Nasir

12:37 p.m.
Debate: Calcium Scoring Outperforms Risk Scores for Optimizing Appropriate Primary Preventative Therapies and Should be More Broadly Performed, Con
Rita Redberg
San Francisco, CA

12:45 p.m.
Rebuttal, Pro
K. Nasir;
Baptist Health South Florida, Miami Beach, FL.

12:47 p.m.
Rebuttal, Con

12:49 p.m.
Debate: The Optimal Screening Test for Assessing Cardiovascular Risk is....3D Carotid Plaque Ultrasound, Pro
Tasneem Z. Naqvi
Scottsdale, AZ

12:56 p.m.
Debate: The Optimal Screening Test for Assessing Cardiovascular Risk is....3D Carotid Plaque Ultrasound, Con
Vijay Nambi
Sugar Land, TX

1:03 p.m.
Rebuttal, Pro
Tasneem Z. Naqvi
Scottsdale, AZ

1:05 p.m.
Rebuttal, Con
V. Nambi;
Baylor College of Medicine, Houston, TX.

1:07 p.m.
Debate: Coronary CTA Should Be the Initial Test in Most Patients with Stable Chest Pain, Pro
Todd Villines
Rockville, MD

1:14 p.m.
Debate: Coronary CTA Should Be the Initial Test for Stable Chest Pain, Con
Robert Hendel
Coconut Grove, FL

1:21 p.m.
Rebuttal, Pro
R. Hendel;
Coconut Grove, FL.

1:23 p.m.
Rebuttal, Con
Todd C. Villines
Rockville, MD

1:25 p.m.
Debate: Coronary CTA is the Test of Choice in Low-intermediate Risk Acute Chest Pain, Pro
Gilbert Raff
Royal Oak, MI

1:32 p.m.
Debate: Coronary CTA is the Test of Choice in Low-intermediate Risk Acute Chest Pain, Con
Kavitha Chinnaiyan
Royal Oak, MI

1:39 p.m.
Rebuttal, Pro
G. Raff;
William Beaumont Hospital, Royal Oak, MI.

1:41 p.m.
Rebuttal, Con
Kavitha Chinnaiyan
Plymouth, MI

Non Invasive Imaging (Echocardiography, Nuclear, PET, MR & CT) - Moderated Poster Contributions

Session #1317M

Which Test Is Best for Pain in the Chest?

Sunday, March 19, 2017, 12:30 p.m. - 1:45 p.m.

Non Invasive Imaging Moderated Poster Theater, Poster Hall, Hall C
CME Hours: 1.25 /CNE Hours: 1.25

ACC Poster Moderator: Kelley R.H. Branch
ACC Poster Moderator: Petros Nihoyannopoulos

12:30 p.m.
Downstream Testing Utilization Following Obstructive Coronary Computed Tomographic Angiography (CCTA) in the ED Evaluation of Low to Intermediate Risk Acute Chest Pain
Edris Alderwish, Pamela Noack, Moshrik Abd Alamir, Michael Poon, Lenox Hill Hospital-NSLIJ/Hofstra, New York, NY, USA

12:40 p.m.
Question and Answer

12:45 p.m.
Coronary CT Angiography in the Emergency Department Provides an Opportune Window for Initiation of Evidence-Based Medical Therapy
Brian M. Renard, Judith Boura, Ben Ebner, Kavitha Chinnaiyan, Beaumont Health System, Royal Oak, MI, USA



12:55 p.m.

Question and Answer

1:00 p.m.

A False-Positive Stress Echocardiogram Is NOT the Same as a Negative Result
Ian Gilchrist, Andrew Foy, William Davidson, Penn State University, College of Medicine, Hershey, PA, USA, Penn State Milton S. Hershey Medical Center, Hershey, PA, USA

1:10 p.m.

Question and Answer

1:15 p.m.

Coronary Computed Tomography Angiography in the Emergency Room: Rapid Exclusion of Coronary Artery Disease and the Fast Diagnosis of Acute Myocarditis Using Late Enhancement by Computed Tomography
Pedro Gabriel Melo De Barros E. Silva, Luciana Baptista, Carlos Prazeres, Thiago Macedo, Marcio Sampaio, Jose Garcia, Valter Furlan, Hospital TotalCor, São Paulo, Brazil

1:25 p.m.

Question and Answer

1:30 p.m.

Outcomes in Patient With Chest Pain Evaluated Using Coronary Computed Tomography Angiography Versus Stress Imaging: A Meta-Analysis of Randomized Trials
Carlos A. Gongora, Chirag Bavishi, Seth Uretsky, Edgar Argulian, Mount Sinai Heart, Mount Sinai St. Luke's Hospital, Icahn School of Medicine, New York, NY, USA, Department of Cardiovascular Medicine, Morristown Medical Center, Gagnon Cardiovascular Institute, Morristown, NJ, USA

1:40 p.m.

Question and Answer

Non Invasive Imaging (Echocardiography, Nuclear, PET, MR & CT) - Scientific

Session #770

Great Debates in Cardiac MRI

Sunday, March 19, 2017, 2 p.m. - 3:30 p.m.

Room 140 B

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Mouaz Al-Mallah Arabia

Co-Chair: Victor Ferrari

2:00 p.m.

Debate Pro: Stress MRI is the Test of Choice for Ischemia Assessment
John Greenwood Kingdom

2:10 p.m.

Debate Con: Stress MRI is the Test of Choice for Ischemia Assessment
Prem Soman
Pittsburgh, PA

2:20 p.m.

Question and answer

2:30 p.m.

Debate Pro: T1 and T2 Mapping: Ready for Widespread Utilization?
James Moon
London England W1G 8PH, United Kingdom

2:40 p.m.

Debate Con: T1 and T2 Mapping: Ready for Widespread Utilization?
Colin Berry
Glasgow, Scotland G12 8TA, United Kingdom

2:50 p.m.

Question and Answer

3:00 p.m.

Debate Pro: Cardiac MRI and DNA DS Breaks
Phillip Kaufmann
Zurich, Switzerland

3:10 p.m.

Debate Con: Cardiac MRI and DNA DS Breaks
Chiara Bucciarelli-Ducci
Bristol, United Kingdom

3:20 p.m.

Question and Answer

Non Invasive Imaging (Echocardiography, Nuclear, PET, MR & CT) - Scientific

Session #771

Imaging of Chest Pain in the Emergency Department

Sunday, March 19, 2017, 2 p.m. - 3:30 p.m.

Room 143 A

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: W. Frank Peacock

Co-Chair: Frank Rybicki

2:00 p.m.

2015 Appropriateness Criteria: Summary of Recommendations
Frank Rybicki

2:15 p.m.

Imaging? Biomarkers and Clinical Data is All you need!
James Januzzi
Wellesley, MA

2:30 p.m.

Coronary CTA: Test of Choice In Low-to-Intermediate Risk Patients
Kavitha Chinnaiyan
Royal Oak, MI

2:45 p.m.

Important Role of SPECT/Nuclear Imaging in the ED
John Mahmarian
Houston, TX

3:00 p.m.

Echo for Acute Chest Pain: Proven and Underutilized
Susan Wieggers
Philadelphia, PA

3:15 p.m.

Non-Role

Non Invasive Imaging (Echocardiography, Nuclear, PET, MR & CT) - International

Session #534

Cutting Edge Innovations in Cardiovascular Imaging: Joint Symposium of the Japanese Circulation Society and American College of Cardiology

Sunday, March 19, 2017, 3:45 p.m. - 5:15 p.m.

Room 145 B

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Athena Poppas

Co-Chair: Atsushi Hirayama

3:45 p.m.

State of the Art Non-Obstructive Angioscopy
Atsushi Hirayama
Tokyo, 173-8610, Japan



4:05 p.m.
Fusion Imaging to Guide Transcatheter Repair of Structural Heart Disorders
Itzhak Kronzon
New York, NY

4:25 p.m.
Future Technology of Intravascular Ultrasound and Optical Imaging
Takafumi Hiro
Tokyo, Japan

4:45 p.m.
Cardiac Amyloid - Imaging for diagnosis in ATTR
Kyle W. Klarich
Rochester, MN

5:05 p.m.
Discussion

Non Invasive Imaging (Echocardiography, Nuclear, PET, MR & CT) - Scientific

Session #785

Radiation from Diagnostic Imaging: Risk- benefit Analysis

Sunday, March 19, 2017, 3:45 p.m. - 5:15 p.m.

Room 143 A

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Manuel Cerqueira
Co-Chair: Pamela S. Douglas
Panelist: Andrew Jeffrey Einstein
Panelist: Phillip Kaufmann
Panelist: Mahadevappa Mahesh
Panelist: Patricia K. Nguyen
Panelist: Ronald G. Schwartz
Panelist: Prem Soman
Panelist: Todd C. Villines

3:45 p.m.
ACC Talk: Radiation Debate: The Main Considerations
Prem Soman
Pittsburgh, PA

3:52 p.m.
Radiation Risks: Observational Data
Andrew Jeffrey Einstein
New York, NY

4:02 p.m.
Radiation Risks: Genomic and Proteomic Analysis
Patricia Nguyen
Menlo Park, CA

4:14 p.m.
Radiation Risks: Non-ionizing Radiation
Phillip Kaufmann
Zurich, Switzerland

4:26 p.m.
Panel Discussion with Question and Answer