Friday, July 11, 2014
10:00 AM - 10:45 AM
Poster Session I: Coronary CTA Acquisition Protocols and Quality Control I
Abstracts 01-08
Chair: TBA

01 Yasutoshi Ohta, MD
The Improvement of Diagnostic Performance for Detecting Calcified Obstructive Coronary Artery Disease Using Rapid kV Switching Dual Energy CT

02 Rekha Raju, MBBS, MD
Initial Experience with a High Temporal Resolution Volumetric Scanner- In Person Comparison of Image Quality and Signal Homogeneity

03 Amir Ali Rahsepar, MD
Application of Transluminal Attenuation Flow Encoding (TAFE) to Quantify Absolute Coronary Blood Flow

04 Qi Wang, MD, PhD
Detection Of Coronary Artery Stenoses By Double Prospectively ECG-triggered High-pitch Spiral CT Coronary Angiography In Patients With Atrial Fibrillation: Comparison With Coronary Angiography

05 Richard Coulden, MD
Pilot Project To Manufacture Synthetic Coronary Arteries For Use With A Cardiac Motion Phantom.

06 Daniel Bittner, MD
Image Quality in Coronary CT Angiography Using Third Generation Dual Source CT: Comparison of Prospectively ECG-triggered High Pitch Spiral Acquisition and Axial Acquisition

07 Phillip Kim, MS
Feasibility And Potential Value Of Coronary Artery Assessment During Pulmonary Vein Isolation Mapping CTA

08 Fahad Iqbal, MD
Qualitative and Quantitative Analysis of a Novel CT Iterative Reconstruction Algorithm for Low-Dose Protocols

Friday, July 11, 2014
10:00 AM - 10:45 AM
Poster Session II: Acute Chest Pain
Abstracts 09-15
Chair: TBA

09 Megan Barnwell, MD
CCTA for DISPosition of CHest pain in the Emergency Department (DISPatCH-ED) Safe and Rapid disposition of Low to Intermediate Risk Patients Presenting to the Emergency Department with Chest Pain in a High Volume Single-Center Experience

10 Ragab Donkol, MD
Quantification Of Epicardial Fat: Which Test Is The Best Predictor Of Significant Coronary Artery Disease?

11 Dustin Thomas, MD
Effect Of Coronary Computed Tomography Angiography Disease Burden On The Incidence Of Recurrent Chest Pain
12 Bettina Gramer, MD
Effect Of Iterative Reconstruction On SNR And CNR In A 256-slice MDCT ECG-Gated Triple-Rule-Out Angiography

13 Adam Berger, MD
Feasibility And Safety Of A Diagnostic Algorithm Incorporating Both ED-based And Outpatient Coronary CT Angiography For Emergency Department Patients With Potential Ischemic Chest Pain: A Proof Of Concept Study

14 Ammar Chaudhry, MD
Incremental Value of Stress Myocardial Perfusion Imaging in Evaluating Potentially Obstructive Coronary Artery Stenosis on Coronary CTA in the ED

15 Alan Vainrib, MD
Incidence And Characteristics Of Potentially Symptomatic Coronary Anomalies In Low-intermediate Risk Patients Presenting To The Emergency Department (ED) With Acute Chest Pain

Friday, July 11, 2014
10:00 AM - 10:45 AM
Poster Session III: Cardiomyopathies and Assist Device & Congenital Heart Disease
Abstracts 16-21
Chair: TBA

16 Lara Bakhos, MD
Comparison of Transthoracic Echocardiography and Cardiac Computed Tomography in the Evaluation of Left Ventricular Assist Devices

17 Sirtaz Adatya, MD
Pre-syncopy And Low Flow Alarms In A Patient With A Left Ventricular Assist Device

18 B. Kelly Han, MD
Evaluation of 70 kVp Functional Imaging in Adults with Congenital Heart Disease

19 Julian Wichmann, MD
Thoracic ECG-gated CT Angiography In Pediatric Patients: Long-Term Single-Center Retrospective Analysis Of The Spectrum Of Indications And Trends In Radiation Exposure

20 Phillip Kim, MD
Advanced Cross-Sectional Imaging for Congenital Heart Disease: a Comparison of the Radiation and Time Expense of Cardiovascular Computed Tomography and Magnetic Resonance Imaging at a Tertiary Medical Center

21 Juan Guzmán-Olea, MD
Prevalence and Clinical, Electrocardiographic And Echocardiographic characteristics in Extrinsic Compression Of The Left Main Coronary Artery Disease Evaluated By Angiotomography In Patients With Severe Pulmonary Arterial Hypertension

Friday, July 11, 2014
10:00 AM - 10:45 AM
Poster Session IV: Coronary CTA - Radiation Exposure
Abstracts 22-31
Chair: TBA
22 Xiaoying Wang, MD
80 kVp Coronary CT Angiography Using Adaptive Statistical Iterative Reconstruction: a Multicenter, Prospective, Randomized, Single-blind Study

23 Michaela Mitschke, MD
Coronary Angiography with a Novel Third Generation Dual Source CT at 70 kVp Tube Voltage: Feasibility, Image Quality, Radiation Dose and Effect of Iterative Reconstruction

24 Anas Alani, MD
Radiation Dose Reduction in Cardiac Computed Tomography Angiography by Reducing Tube Voltage: A Comparison between 120, 100 and 80 kVp.

25 Harshna Vadvala, MD
Combined Effects Of A Scout-Based Automated Tube Potential And Tube Current Selection Algorithm With Breast Displacement On Female Coronary CTA Radiation Dose

26 Harshna Vadvala, MD
Ventricular Wall Motion Assessment in Coronary CTA During Acute Chest Pain: Radiation Dose Expense Savings of Prospectively ECG Triggered Protocol

27 Yon Mi Sung, MD
Breast Radiation Dose Reduction for Women During Coronary Calcium Scanning by Cranial Displacement of the Breasts

28 Yang Xia, MD
In Vivo Evaluation Of Accuracy Of Dual-source Ct With High Pitch Spiral Mode For Coronary Stent Patency Compared With Invasive Coronary Angiography

29 Xiaoying Wang, MD
Iterative Reconstruction for Coronary CT Angiography by Using 80 kVp and Iodixanol 270 mg I/ml: Feasibility Study

30 Carlo De Cecco, MD
Image Quality And Radiation Dose Of Low Tube Voltage 3rd Generation Dual-source Coronary Ct Angiography In Obese Patients: A Phantom Study

31 Simon Binny, MD
Low Radiation CT Coronary Angiography Is Feasible for the Assessment of Coronary Artery Disease in Patients with Atrial Fibrillation

Friday, July 11, 2014
10:00 AM - 10:45 AM
Poster Session V: Perfusion/Physiologic Imaging I
Abstracts 32-38
Chair: TBA

32 Yuki Tanabe, MD
Diagnostic Performance of Myocardial Blood Flow Index Obtained by Dynamic Computed Tomography Perfusion: Comparison with Invasive Coronary Angiography, SPECT and Cardiac MR Myocardial Perfusion Image

33 Kelley R. Branch, MD
Effects of CT Acquisition Protocol Parameters on Hounsfield Unit Values in Static Myocardial Perfusion CT
34 Carlo De Cecco, MD
Global Quantification of Left Ventricular Myocardial Perfusion at Dynamic CT Imaging: Feasibility in a Multi-center Patient Population

35 Richard T. George, MD, FSCCT
Perfusion Indexed Flow Reserve Derived from Myocardial CT Perfusion Imaging Correlates with Hemodynamically Significant Stenoses: Results from the CORE320 Multicenter Study

36 Teruhito Kido, MD, PhD
When is "Best Timing" in Static Myocardial Perfusion Scans? ~ By Whole Heart Dynamic Scan ~

37 Csilla Celeng, MD
Semiautomatic Transtuminal Attenuation Gradient Assessment in Coronary CT Angiography

38 Patricia Carrascosa, MD, PhD, FSCCT
Interobserver Agreement of Stress Rest Dual Energy CT Myocardial Perfusion

Friday, July 11, 2014
10:00 AM - 10:45 AM
Poster Session VI: Plaque Imaging I
Abstracts 39-46
Chair: TBA

39 Michaela Mitschke, MD
Non-invasive Prediction of Hemodynamically Significant Coronary Artery Stenoses by Contrast Density Drop in Coronary CT Angiography

40 Ting Liu, MD
High-risk Coronary Atherosclerotic Plaque Is Associated With Nonalcoholic Fatty Liver Independently Of Coronary Stenosis: Results From The ROMICAT II Trial

41 Panteha Rezaeian, MD
Correlation Of Ultra-sensitive Cardiac Troponin-I And Inflammatory Biomarker Interleukin-6 With Heart-scores In Rheumatoid Arthritis: Using Multi-slice Computed Tomography Angiography

42 Suguru Matsumoto, MD
The Effects Of Aged Garlic Extract On The Regression Of Coronary Plaque In Patients With Metabolic Syndrome: A Prospective Randomized Double-blind Study

43 Mohamed Marwan, MD
Comparison of Agatston Score and Global Plaque Volume using Multi-Detector Computed Tomography in a Large Patient Cohort

44 Rine Nakanishi, MD
The Association Between Serial Coronary Plaque Volume Changes Assessed By Intravascular Ultrasound Study And Coronary CT Angiography

45 [WITHDRAWN]

46 Annika Schuhbäck, MD
Influence of Iterative Reconstruction on Plaque Detection in 70kVp Coronary CT Angiography: Third Generation Dual Source CT
Friday, July 11, 2014
10:00 AM - 10:45 AM
Poster Session VII: Novel Hardware/Technology I
Abstracts 47-57
Chair: TBA

47 Andrea Annoni, MD
Feasibility Of An Ultra Low Dose Ct For Left Atrium And Pulmonary Veins Imaging Using a New Model-based Iterative Reconstruction

48 Sandeep Dutta, MD
Assessment Of A Coronary Motion Correction Algorithm Across Monochromatic Energy Levels

49 John Hoe, MBBS, FSCCT
Using Novel Coronary Calcium Subtraction Software On 320MDCT For Assessment Of Coronary CTA (CCTA)-feasibility And First Experience

50 Joon-Won Kang, MD
Cardiac Dual-energy Computed Tomography Reduces Beam-hardening Artifacts in a Phantom Study

51 Mohamed Marwan, MD
Quantitative Coronary CT Angiography Versus Quantitative Invasive Coronary Angiography: A Head to Head Comparison Between Filtered Back Projection and Iterative Reconstruction Using Third Generation Dual Source CT

52 Aaron So, PhD
Multi-Material Artifact Reduction (MMAR) Image Reconstruction for Beam Hardening Correction in CT Myocardial Perfusion Imaging

53 Yoshie Kurita, MD
Effect Of A Vender-specific Motion-correction Algorithm In The Improvement Of Image Quality Of Coronary CTA: Influence Of Heart Rate

54 Aaron So, PhD
Performance Evaluation of Revolution CT Scanner for Whole Heart Quantitative Myocardial Perfusion Imaging

55 Brian Thomsen, MD
Initial Evaluation of Coronary CT Angiography Image Quality on the Revolution CT System

56 Phillip Kim, MD
The Use of Rapid 3D Model Printing to Illustrate Complex Aortic Root Anatomy

57 Michael Fahmy, MD
Inter-observer Reproducibility in a Novel Semi-Automated Coronary Plaque Quantification Software

Friday, July 11, 2014
10:00 AM - 10:45 AM
Poster Session VIII: Non Contrast CTA: Coronary Calcium/Prognosis I
Abstracts 58-68
Chair: TBA

58 Valentina Valenti, MD
Coronary Artery Calcification: A Useful Marker Of Long-Term Prognosis In Patients With Hypertension
59 Martin Willemink, MD
The Effect of Body Size on Coronary Calcium Scores: a Multivendor In-vitro Study

60 Ravinder Kumar, MD
Low Energy Imaging Protocol at 80 kVp Leads to Overestimation of Coronary Calcium Score that is not Corrected by Adjustment of Minimum Detection Threshold

61 Panteha Rezaeian, MD
Ultra-sensitive Cardiac Troponin-I (us-cTnI) Inversely Correlates with Bone Mineral Density in Patients with Rheumatoid Arthritis: Using Multi-Slice Computed Tomography

62 Tim Leiner, MD
Differences in Coronary Artery Calcification Scores Obtained with Different CT Scanners are not Software Related

63 Patricia Carrascosa, MD, PhD, FSCCT
Coronary Artery Calcium Quantification Based On Virtual Non-contrast Dual Energy CT Data Sets

64 Bharati Shivalkar, MD, PhD, FESC
Type I Diabetes Mellitus: Visceral Adiposity, Coronary Atheromatosis And Response To Stress Testing.

65 Lohendran Baskaran, MD
Hypopnea Indices of OSA Patients as a Screening Tool for Coronary Artery Calcification

66 Ahmad Cheema, MD
Association of Pericardial Fat with Coronary Calcium Score in Patients with Metabolic Syndrome and known Coronary Artery Disease

67 Damini Dey, PhD, FSCCT
Automated Pericardium Delineation and Epicardial Fat Volume Quantification from Non-contrast CT

68 Asher Edwards, MD
Relationship of Blood Pressure with Coronary Artery Calcium Progression in the Multi-Ethnic Study of Atherosclerosis

Friday, July 11, 2014
10:00 AM - 10:45 AM
Poster Session IX: Prognostic Evaluation/Risk Stratification I
Abstracts 69-80
Chair: TBA

69 Hajime Ito, MD
Impact of Plaque Characteristics of Non-Culprit Lesions Detected by Coronary Computed Tomography Angiography for Predicting Cardiac Events in Patients with Acute Coronary Syndromes

70 Amit Pursnani, MD
Coronary CT Angiography Findings Modify Statin and Aspirin Prescription in Patients with Acute Chest Pain: Analysis of the ROMICAT I and II Trials

71 Manuja Premaratne, MD
Appropriate Use Criteria For Cardiac Computed Tomography: Does CT Have Incremental Value In All AUC Categories?

72 Jun-jie Yang, MD
Coronary Computed Tomography Angiography Guided Percutaneous Coronary Intervention For Patients With Chronic Total Occlusion: A Pilot Study

73 Joon-Won Kang, MD
The Prevalence of Coronary Artery Disease in Liver Cirrhosis: Is Screening Cardiac CT Necessary before Liver Transplantation?

74 Yasuomi Nagahara, MD
The Impact of N-3 Polyunsaturated Fatty Acids on High Risk Plaque Characteristics Detected by Coronary Computed Tomography Angiography

75 Hideki Kawai, MD
The Usefulness of Coronary Computed Tomography Angiography for the Patients Undergoing Invasive Coronary Angiography

76 Hugo Marques, MD
Left Atrial Volume Assessed By Cardiac CT Is More Important Than The Type Of Atrial Fibrillation In Predicting The Long-term Success Of Catheter Ablation

77 Sirous Darabian, MD
Screening of Coronary Artery Disease Among High Risk Young Population

78 Sion Roy, MD
Increased Urine Protein-to-Creatinine Ratio is Associated with Increased Coronary Artery Calcium in HIV-Uninfected, but not HIV-Infected, Men

79 Sadako Motoyama, MD, PhD
Long Term Prediction of Acute Coronary Syndrome by Coronary Computed Tomography Angiography

80 Hiroshi Tsushima, MD
Significance of Epicardial Adipose Tissue Volume as an Indicator of Non-calcified Plaques Even in Non-obese Patients with a Zero Coronary Artery Calcium Score

Friday, July 11, 2014
10:00 AM - 10:45 AM
Poster Session X: Miscellaneous I
Abstracts 81-90
Chair: TBA

81 Manmeet Singh, MD
In Patients With A Dilated Pulmonary Artery On An Axial Chest CT, Left Atrial Area and Right Ventricle Size Can Differentiate World Health Organization Group II Pulmonary Hypertension from Non Group II

82 Ming-Ting Wu, MD
Epicardial Adipose Tissue Is Relatively Resistant To Reduction As Compared To Other Adipose Storages By Either Bariatric Surgery Or Exercise Intervention

83 Parag Joshi, MD
Current State of Training in Cardiovascular Computed Tomography: A Report from the Fellow and Resident Leaders of SCCT (FiRST) Committee

84 Wen-Jeng Lee, MD
CT Diagnosis Of Arteriogenic Erectile Dysfunction

85 Aryabod Razipour, MD
Non-Alcoholic Fatty Liver Disease (NAFLD) By Multi-slice Computed Tomography Correlates with Clinical Inflammation in Patients with Rheumatoid Arthritis

86 Christopher Hom, MD
The Effects of Aged Garlic Extract on Coronary Artery Calcification Progression: Results of Four Randomized Trials

87 Dong Li, MD
The Precision of Quantitative Coronary Calcifying Burden Is Influenced by the Scanner Temporal Resolution in Cardiac CT Scan

88 Sirous Darabian, MD
Correlation of Epicardial and Intra-thoracic Adipose Tissue Density with Interlukin-6

89 Daisuke Utsunomiya, MD, PhD
Evaluation of Appropriateness of Cardiac Computed Tomography Using Second-generation 320-row Scanner

90 David Richards, DO
Appropriate Utilization of Cardiac Computed Tomography in a Large Tertiary Referral Center

Friday, July 11, 2014
10:00 AM - 10:45 AM
Poster Session XI: Comparative/Multimodality Imaging/Resource Utilization Abstracts 91-96
Chair: TBA

91 Shinichiro Kitao, MD
Evaluation of Myocardial Infarction Using Delayed Enhancement with Rapid kV Switching Dual Energy CT: Initial Experience

92 Antonio Ferreira, MD
Asymptomatic Patients With A Positive Or Inconclusive Exercise Test: Can The Duke Treadmill Score Be Used As A Gatekeeper For Coronary CT Angiography?

93 Christopher Czaplicki, MD
Axial Measurement Of Maximum Aneurysm Diameter Consistently Underestimates Size In Tevar Patients With Evidence Of An Endoleak

94 Christopher Czaplicki, MD
Single Center Experience On Excessive Ct Surveillance Following Thoracic Endovascular Repair

95 Edward Passen, MD
Nature Does Not Always Make A Perfect Circle: Evaluation Of Inferior Vena Cava Geometry By Cardiac Computed Tomography With Implication For Assessment Of Right Atrial Pressure

96 David Beutler, MD
Advanced Training In Cardiac CT for General Cardiology Fellows: Should This be the New Norm?

Saturday, July 12, 2014
9:30 AM - 10:15 AM
Poster Session XII: Coronary CTA Acquisition Protocols and Quality Control II Abstracts 120-127
Chair: TBA
120 Gilbert L. Raff, MD, FSCCT
Improving Image Quality and Radiation Dose in Markedly Obese Patients

121 Gabriel Camargo, MD
Optimized Peak Tube Voltage And Current Selection In Cardiac Computed Tomography Angiography With Axial Acquisition.

122 Erika Bertella, MD
Impact Of Intra-cycle Motion Correction Algorithm On Overall Evaluability And Accuracy In 160 Not-evaluable Consecutive Patients Studied By Computed Tomography Coronary Angiography For Suspected CAD.

123 Daniel Stassi, MD
Performance of an Automated Algorithm for Selecting the Optimal Cardiac Phase for Single-Beat Coronary CT Angiography

124 Calum Young, FRACP, FCSANZ
Will You Achieve Your Recertification Requirements? A Survey of Coronary CT Angiography Certification in New Zealand

125 Christine Hopper, MD
Attaining Level 1 Coronary CTA Expertise through 24/7 Coverage of ER Cases by Diagnostic Radiology Residents

126 Mihaly Karolyi, MD
Quantitative Parameters of Image Quality In 256-slice CT With Iterative Model Based Reconstruction Of The Coronary Arteries

127 Eric Williamson, MD
Cardiac CT Angiography for Radiation Therapy Planning in Pediatric Lymphoma Patients

Saturday, July 12, 2014
9:30 AM - 10:15 AM
Poster Session XIII: CTA in Non-Acute Chest Pain
Abstracts 128-134
Chair: TBA

128 Annika Schuhbäck, MD
A CT-based Score To Predict The Success Of Interventional Revascularization Of Chronic Total Coronary Occlusions

129 Lene Nielsen, MD
Objectives Of The Western Denmark Heart Registry - Coronary Computed Tomography Angiography Study: A Multicenter Study Of More Than 17,000 Symptomatic Patients Suspected Of Coronary Artery Disease

130 Moshrik Abd Alamir, MD
Ethnic Difference of The Presence And Extent Of Coronary Atherosclerosis: CT Angiography Study

131 Matthew J. Budoff, MD, FSCCT
Cardiac CT Angiography (CCTA) Predicts Downstream Cardiac Events -A Prospective Multi-center Visipaque CCTA Registry

132 Niels van Pelt, FRACP
Can Significant Coronary Artery Disease be Ruled Out by CT Coronary Angiography in Patients Weighing Greater Than 100 kg?

133 Ki-Bum Won, MD
Comparison Of The Predictive Value Of Obesity For Coronary Artery Disease Detected By Cardiac Computed Tomography According To The Presence Of Diabetes In A Korean Population

134 Chiung-Ying Liao, MD
Cardiac Lymphangioma of the Right Ventricle

Saturday, July 12, 2014
9:30 AM - 10:15 AM
Poster Session XIV: Cost Effectiveness Outcome & EP/Arrhythmia
Abstracts 135-140
Chair: TBA

135 Dustin Thomas, MD
Effect Of Coronary Computed Tomography Angiography Disease Burden On Healthcare Costs and Resource Utilization In Patients With Recurrent Chest Pain

136 Shishir Murarka, MD
Visual Impact of Coronary CT Images on Patient Compliance.

137 Albert C. Lardo, PhD
Computed Tomography Electromechanical Delay Imaging to Guide Lead Placement for Cardiac Resynchronization Therapy

138 Tonye Teme, MD
Association Of Total Pericardial Fat, Peri-atrial Fat and Peri-ventricular Fat with Atrial Fibrillation

139 Munemasa Okada, MD, PhD
Characteristic Changes Of Three-and Two-dimensional Values Of The Left Atrium Using Ecg-gated CT Following Ablation Therapy: Assessment Of Left Ventricular Function, ECG Results And BNP.

140 Erika Bertella, MD
Cardiac Computed Tomography Versus Cardiac Magnetic Resonance For Characterization Of Left Atrium Anatomy Before Radiofrequency Catheter Ablation Of Atrial Fibrillation: Impact On Radiation Exposure And Outcome.

Saturday, July 12, 2014
9:30 AM - 10:15 AM
Poster Session XV: Valves/TAVI
Abstracts 141-150
Chair: TBA

141 Philipp Blanke, MD
Underestimation Of Effective Aortic Orifice Area After Tavr Due To Lvat Ellipticity - Impact On Patient-prosthesis Mismatch Classification

142 Panteha Rezaeian, MD
Extra-coronary Calcification (Aortic Valve Calcification, Mitral Valve Calcification and Thoracic Aortic Calcification) in HIV Seropositive and Seronegative Men: Multicenter AIDS Cohort Study

143 Mark Rabbat, MD
Epicardial Fat Volume Is Independently Associated With Severe Aortic Stenosis
144 Bruce Precious, MD
Clinical Outcomes Following Transfemoral Aortic Valve Replacement Utilizing An Individualized-Device-Approach To Optimize Oversizing

145 Ambarish Gopal, MD
Cardiac Phase-specific Analysis Of The Aortic Valve Complex By Computerized Tomographic Angiography - A Simplified Technique For Procedure Planning

146 Young Joo Suh, MD
Measurement Of Opening And Closing Angle And Assessment Image Quality Of Mechanical Valves Using Dual-source Computed Tomography: 9 Different Aortic Valve Prosthesis

147 Swee Yaw Tan, MD
Aortic Valve Calcification Score and its Correlation with Critical Aortic Stenosis as measured by Mean Pressure Gradients

148 Niels van Pelt, FRACP
CT Coronary Angiography Can Safely Exclude Significant Coronary Artery Disease in Patients Undergoing Valve and Aorta Surgery

149 Soeren Gauss, MD
Computed Tomographic Findings that Prevent Transfemoral and Transapical Transcatheter Aortic Valve replacement using the Edwards Sapien Prothesis: An Analysis of 400 Consecutive Patients

150 Andrew Choi, MD
Cardiac CT for Reoperative Cardiac Surgery in Patients with Severe Aortic Stenosis and Surgical Outcomes

Saturday, July 12, 2014
9:30 AM - 10:15 AM
Poster Session XVI: Plaque Imaging II
Abstracts 151-157
Chair: TBA

151 Sei Komatsu, MD, PhD, FSCCT
Napkin-Ring Sign is Not Specific to Unstable Angina: The Whole Scanning on the Diseased Vessel

152 Francesca Pugliese, MD
Coronary Atherosclerotic Plaque Composition and Severity by CT Angiography In South Asian And Caucasian Patients With Stable Chest Pain

153 Jasmin Schmid, MD
Coronary Plaque Detection in Low-Dose CT: Comparison of Iterative Reconstruction and Filtered Back Projection

154 Mohamed Marwan, MD
Usefulness Of Iterative Reconstruction Algorithms For Plaque Detection In Coronary Ct Angiography: Comparison Between 120 Kv And 100 Kv Acquisition Protocols

155 Sei Komatsu, MD, PhD, FSCCT
Lipid-Rich Plaque May Be Distinguishable In Noncalcified Plaque By Coronary CT Angiography Using 100 Kv Of Tube Potential

156 Aki Sato, MD
Plaque features by Coronary CT Angiography are associated with Coronary Artery Morphology and Vulnerability by Optimal Coherence Tomography.

157 Hussein Othman, MD
What Is The Relationship Between Calcified And Non-calcified Coronary And Carotid Plaque Burden And Atherosclerosis Risk Factors?

Saturday, July 12, 2014
9:30 AM - 10:15 AM
Poster Session XVII: Perfusion/Physiologic Imaging II
Abstracts 158-165
Chair: TBA

158 Michiel de Graaf, MD
Heart Rate Response During Adenosine Stress Myocardial Perfusion Computed Tomography

159 Richard Takx, MD
Diagnostic Performance of Stress Myocardial Perfusion CT Using FFR as the Reference Standard

160 Sung Mok Kim, MD, PhD
Adenosine-stress Dynamic Myocardial CT Perfusion Imaging for Detection of Significant Coronary Artery Stenosis: Comparison of A 128-slice Dual-source CT with Reduced Dynamic Scan Duration and 1.5-T MRI

161 Patricia Carrascosa, MD, PhD, FSCCT
Combined Anatomic and Perfusion Evaluation Using Stress, Rest Dual Energy CT Myocardial Perfusion for Ischemia Detection

162 Bettina Gramer, MD
Effect Of Iterative Reconstruction On CNR And SNR In 256-slice MDCT Dynamic Myocardial Perfusion Imaging

163 Rohan Poulter, MD
Using Monoenergetic Spectral Analysis to Distinguish Artefacts & Ischemia in Dual Energy Cardiac CT Perfusion Imaging.

164 Yoshinori Kanii, MD
Use of Integrated Circuit Detector and Automatic Tube Current Modulation for Low-dose Dual-source Dynamic CT Stress Myocardial Perfusion Imaging

165 Amit R. Patel, MD
Quantitative Three-Dimensional Evaluation of Myocardial Perfusion Using Regadenoson Stress Computed Tomography

Saturday, July 12, 2014
9:30 AM - 10:15 AM
Poster Session XVIII: Novel Hardware/Technology II
Abstracts 166-176
Chair: TBA

166 Brian Thomsen, MD
Relative Merits of Hardware and Software Approaches for Improved Temporal Resolution in High Heart Rate CCTA
167 Dimitrios Mitsouras, PhD
Accuracy and Reproducibility of Automated, Standardized Transluminal Attenuation Gradient (TAG)
Measurements in Coronary Computed Tomography Angiography (CCTA)

168 Andrew Sher, MD
Evaluating the Accuracy of Knowledge Based Reconstruction in Cardiac Calcium Scoring at Reduced
Dose: A Phantom Study.

169 John Hoe, MBBS, FSCCT
First Experience Of Using Novel Coronary Subtraction Software On 320MDCT For Assessment Of Image
quality of Stented Coronary Arteries During Coronary CTA (CCTA)

170 Saima Mushtaq, MD
Multidetector Computed Tomography Angiography Evaluation of Coronaries Arteries with IntraCycle
Motion Correction Algorithm.

171 Bjarne Nørgaard, MD
Improved Specificity of Non-Invasive Fractional Flow Reserve from Coronary CT Angiography Employing
Latest Generation Techniques and Standardized Image Metrics

172 Hyung-Bok Park, MD
Comparison Of Image Quality Between Selective Intracoronary Versus Conventional Intravenous
Contrast Injected Coronary Computed Tomography Angiography

173 Andrew Sher, MD
Impact Of Iterative Model Reconstruction (IMR) On Calcium Score: A Comparison Of IMR Vs. FBP.

174 Takuya Matsuda, MD
Optimum Contrast of Late Iodine Enhancement on Cardiac Computed Tomography Using Dual-Energy
Computed Tomography

175 Eric Williamson, MD
Use of a Novel Metal Artifact Reduction Postprocessing Algorithm in Cardiovascular CT Scanning

176 Justin Cox, MD
Cardiac CT Imaging Of An 'Elephant Trunk' Left Atrial Appendage Morphology With 3D Modeling

Saturday, July 12, 2014
9:30 AM - 10:15 AM
Poster Session XIX: Non Contrast CTA: Coronary Calcium/Prognosis II
Abstracts 177-188
Chair: TBA

177 Shinji Imura, MD
The Ratio of Visceral To Subcutaneous Fat Area is a Sensitive Predictor of Negative Coronary Artery
Calcium Score

178 W. Patricia Bandettini, MD
In Subjects with No Significant Coronary Artery Disease, Coronary Artery Calcium Still Correlates with
Aortic Distensibility

179 Andrew Choi, MD
Can Adaptive Iterative Dose Reduction in 3 Dimensions Achieve Clinical Equivalence with Improved
Image Quality in Coronary Artery Calcification Scoring?
180 Dong Li, MD
Model-based Automatic Segmentation Algorithm Accurately Assesses The Whole Cardiac Volume of Parameters In Patients With Cardiac CT Angiography: A Validation Study For Evaluating The Accuracy Of The Workstation Software And Establishing The Reference Value

181 Darin Okerlund, MS
Feasibility of a Motion Correction Technique for Single-beat Non-contrast Calcium Scoring Acquisitions

182 Song Shou Mao, MD
Severity And Progression Of Coronary Artery Burden Is An Important Predictor In Patient With Suspected Coronary Artery Disease

183 Song Shou Mao, MD
A Validation Study for Accuracy of Quantitative Coronary Calcification Assessment

184 Hadii Mamudu, MD
Predictors Of Coronary Artery Calcium And Its Relationship With Traditional And Behavioral Risk Factors For Coronary Artery Disease Among Rural Population

185 Kosuke Sasaki, MD
Assessment Of Coronary Calcium Scoring From Dual Energy CT With Fast kVp Switching Using An Anthropomorphic Cardiac CT Phantom

186 Yung-Liang Wan, MD
The Reliability Of Coronary Calcium Scoring Assessed By Low Dose Lung CT And Volume Chest CT.

187 Mark Rodrigues, MD
Feasibility Of Radiation Dose Reduction In CT Coronary Artery Calcium Scoring Using Iterative Reconstruction

188 William Blanchet, MD
Stabilization of Coronary Artery Calcium, a Potentially Valid Clinical Goal

Saturday, July 12, 2014
9:30 AM - 10:15 AM
Poster Session XX: Prognostic Evaluation/Risk Stratification II
Abstracts 189-199
Chair: TBA

189 Sara Sheikhbahaei, MD
Serum Osteoprotegerin in Relation to the Severity, Extend, and Estimated Risk of Subsequent Coronary Heart Disease

190 Chun-Ho Yun, MD
Peri-aortic Root Adiopose Tissue And Carotid Intimal-media Thickness

191 Michaela Mitschke, MD
CT-based Qualitative Analysis Of Pericoronary Adipose Tissue: Density Decreases With Cardiovascular Risk Factors And Epicardial Adipose Tissue

192 Mahfouz El Shahawy, MD
Abnormal Triglyceride to HDL Ratio is Associated with Significant Subclinical Atherosclerosis as Evidenced by Abnormal Coronary Calcium Score.

193 Sei Komatsu, MD, PhD, FSCCT
High Albuminurea Predicts Coronary Artery Plaque In Diabetes: Insights From Coronary CT Angiography

194 Annika Schuhbäck, MD
Influence of Coronary Calcium on the Ability to Rule out Coronary Stenoses by Coronary CT Angiography According to the Acquisition Mode

195 Omar El Shahawy, MD
Triglyceride-to-HDL Cholesterol Ratio In Asymptomatic Subjects Is Associated With Structural And Functional Cardiovascular Abnormalities

196 Daniel Bittner, MD
Correlation between Coronary Calcification Quantified by Dual Source Computed Tomography and Erythrocyte Fatty Acid Composition

197 George Chrysant, MD
Oklahoma Firefighter Study: 12 Month Results

198 Wen-Jeng Lee, MD
Low-dose CT Screening Of Physicians For Coronary Calcium And Lung Cancer - NTUH Experience

199 Manphool Singhal, MD
To Study The Prevalence Of Coexistent Asymptomatic Coronary Artery Disease In Patients Of Ischemic Stroke/tia

Saturday, July 12, 2014
9:30 AM - 10:15 AM
Poster Session XXI: LV/RV Function & Chamber Dimensions
Abstracts 200-206
Chair: TBA

200 Amir Pourmorteza, MD
Quantitative Assessment of Regional Cardiac Function By SQUEEZ From 4D CT In Acute Infarction: Validation Against Circumferential Strain From Tagged MRI

201 Benjamin JW Chow, MD, FRCPC, FSCCT
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