PROGRAM HIGHLIGHTS

1. Hot Topics Presented in Highly Focused 10 Minute Lectures
2. 160 Lectures from 70 World-Renowned Faculty
3. 8th Annual Original Workstation Face-Off * Wednesday, May 19th at 3:40 pm

Observe physician-operators navigate the same diverse clinical datasets to identify key clinical findings. The real-time demonstrations of workstation performance will be presented side-by-side on one stage, facilitating comparison of the capabilities, image qualities, and workflow strategies available on each workstation.

*not certified for CME credit

This activity is supported by educational grants from: Bracco Diagnostics, Carestream Health, GE Healthcare, Philips Medical Systems, Siemens Medical Solutions, TeraRecon, Toshiba Medical Systems, Visage, Vital Images, ZioSoft

Jointly Sponsored by the POSTGRADUATE INSTITUTE FOR MEDICINE and ISCT
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TARGET AUDIENCE
This activity has been designed to meet the educational needs of Radiologists, Cardiologists, Medical Imaging Scientists, Radiologic Technologists, Nurses and non-radiologist physicians who utilize CT technology and its applications.

STATEMENT OF NEED/PROGRAM OVERVIEW
Learners need to understand the impact of new MDCT developments on clinical practice and how to implement acquisition protocols, dose reduction strategies and visualization techniques to take full advantage of these advances. Developments in MDCT technology have resulted in a broad spectrum of new and improved clinical applications. Learners need to recognize pitfalls and employ applications and techniques in abdominal, musculoskeletal, thoracic, neuro, cardiac and vascular CT imaging for improved image quality and diagnosis.

EDUCATIONAL OBJECTIVES
After completing this activity, the participant should be able to:
- List appropriate techniques to reduce radiation exposure while maintaining diagnostic image quality.
- Describe advanced image rendering techniques and post processing workstations to fully analyze scan data.
- Explain the current methods for performing cardiac CT in the clinical setting.
- Identify the methods and applications for improving CT imaging utilizing the latest generation of CT scanners.
- Enumerate current techniques and protocols to accurately diagnose disorders of the chest, brain, abdomen, vascular, and musculoskeletal systems in adults and children.
- Specify imaging and post-processing techniques to accurately measure brain perfusion for more detailed diagnosis and follow-up to treatment.

ACCREDITATION STATEMENT
This activity has been planned and implemented in accordance with the Essential Areas and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint sponsorship of Postgraduate Institute for Medicine (PIM) and The International Society for Computed Tomography. PIM is accredited by the ACCME to provide continuing medical education for physicians.

CREDIT DESIGNATION
Postgraduate Institute for Medicine designates this educational activity for a maximum of 33 AMA PRA Category 1 Credits®. Physicians should only claim credit commensurate with the extent of their participation in this activity.
Upon successfully completing the post-test and evaluation online, your certificate will be made available immediately.

ACCOMMODATIONS
The meeting will be held at the Hyatt Regency San Francisco. The Hyatt Regency San Francisco is located on the Embarcadero waterfront and centrally located in the financial district at 5 Embarcadero Center, at the corner of Market and Drumm Streets.
A discounted rate of $219.00 per room per night has been reserved for our conference participants and is subject to tax. To receive this special rate please make your reservation no later than April 25, 2010. After April 25th, rooms at our discounted rate cannot be guaranteed. Rooms are reserved on a first-come, first-served basis, and may sell out before the cut-off date.
Make your reservations now by contacting the Hyatt Regency San Francisco at 1-800-720-0049 or (415) 788-1234 or online at http://sanfranciscohyattregency.com (group code G-ISCT). For more information on the Hyatt Regency San Francisco, please visit their website at http://sanfranciscohyattregency.com

TRAVEL
Special meeting discounts on airfare and car rentals have been arranged for our attendees and their guests. The airlines offer discounts off published fares and special not-available-to-the general public area pricing rates.
Call United Airlines at 1-800-521-4041 and reference Meeting ID Code 502BH, or book online at www.united.com, and enter the promotion code in the section for “more search options”.
Call American Airlines at 1-800-433-1790 and reference Authorization Number A151055 to information on zone fares. The AA code cannot be used online.
Call Avis Car Rental at 1-888-754-8878, and refer to AWD #D004951, or book online at http://www.avis.com, and enter the AWD number on the reservation page.
Call Hertz Car Rental at 1-800-654-2240 and refer to CV #01YN0016, or book online at http://www.hertz.com, and enter the CV number on the reservation form.

TUESDAY, MAY 18, 2010
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<tr>
<td>7:30</td>
<td>Registration, Check-in, and Continental Breakfast</td>
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<tr>
<td>7:00</td>
<td>Welcome</td>
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<tr>
<td>7:10</td>
<td>Program Introduction</td>
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<tr>
<td>7:10</td>
<td>Geoffrey D. Rubin, MD</td>
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<td>7:20-7:30</td>
<td>SESSION I: TECHNOLOGY: PRESENT AND FUTURE</td>
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<td>7:20-7:30</td>
<td>Moderator: Geoffrey D. Rubin, MD</td>
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<td>7:30</td>
<td>MDCT Technology 2010: The Big Picture</td>
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<td>Geoffrey D. Rubin, MD</td>
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<td>7:30-7:40</td>
<td>Advantages and Disadvantages of Scanning at Low KV Settings</td>
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<td>7:30-7:40</td>
<td>Willi A. Kalender, PhD</td>
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<td>7:40-7:50</td>
<td>Technical Considerations for Low Tube Voltage Imaging</td>
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<td>7:40-7:50</td>
<td>Sandy S. Halliburton, PhD</td>
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<td>7:50-8:00</td>
<td>Impact of Model-Based Iterative Reconstruction on Image Quality and</td>
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<td>Radiation Dose</td>
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<td>7:50-8:00</td>
<td>Paul Kinahan, PhD</td>
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<td>8:00-8:10</td>
<td>The Trade Off Between Adaptive Statistical</td>
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<td>Iterative Reconstruction (ASIR) and Model</td>
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<td>Based Iterative Reconstruction (MBIR)</td>
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<td>Rendton C. Nelson, MD</td>
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<td>Dual-Source Spiral CT at Pitch Values up to 3.4: Assessment of Image</td>
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<td>Quality for Non-Cardiac Applications</td>
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<td>8:10-8:20</td>
<td>Cynthia H. McCollough, PhD</td>
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<td>8:20-8:30</td>
<td>Initial Results with a Multi-source Inverse</td>
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<td>Geometry CT System</td>
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<td>8:30-8:45</td>
<td>Norbert J. Pelc, ScD</td>
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<td>8:45-8:55</td>
<td>SESSION II: DUAL ENERGY/SPECTRAL IMAGING</td>
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<td>Moderator: Geoffrey D. Rubin, MD</td>
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<td>8:55-9:05</td>
<td>Simulation of Single and Dual Energy Protocols Based on Clinical</td>
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<td>Norbert J. Pelc, ScD</td>
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<td>9:05-9:15</td>
<td>Dual Energy Spectral Imaging: Definition and Clinical Utility of</td>
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<td>Monochromatic and Material Density CT Images</td>
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<td>Amy K. Hara, MD</td>
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<td>9:15-9:25</td>
<td>The Combination of 100 kVp and 140 kVp with Sn Filtering Improves</td>
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<td>9:15-9:25</td>
<td>Image Quality in Dual Energy CT</td>
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<td>Hans-Christoph Becker, MD</td>
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<td>9:25-9:45</td>
<td>From Dual Energy CT to Photon Counting Technology</td>
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<td>Jacob Sosna, MD</td>
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<td>Coffee Break &amp; View Exhibts</td>
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<td>9:45-9:55</td>
<td>GfDe Detectors for CT: A Realistic Option?</td>
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<td>9:55-10:05</td>
<td>Spectral Imaging: Initial Clinical Results in Blood Vessels</td>
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<td>Willi A. Kalender, PhD</td>
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<td>Calcium Quantification from Contrast-</td>
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<td>Enhanced CT: Is it Possible Using Dual Energy?</td>
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<td>Sandy S. Halliburton, PhD</td>
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<td>Spectral Imaging: Initial Clinical Results in Cancer</td>
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<td>Jean-Louis Sablayrolles, MD</td>
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<td>10:25-10:35</td>
<td>Implementing Dual Energy CT and Adaptive Statistical</td>
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<td>Iterative Reconstruction in Routine Clinical Practice</td>
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<td>Amy K. Hara, MD</td>
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<td>10:35-10:50</td>
<td>Discussion/Q &amp; A</td>
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<td>11:00-11:10</td>
<td>The Relationship Between Dose-Length</td>
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<td>11:00-11:10</td>
<td>Product and Effective Dose: Not So Simple?</td>
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<td>Andrew Einstein, PhD</td>
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<td>11:10-11:20</td>
<td>Relevance of CT Dose Indices for Estimating Patient Dose and</td>
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<td>Potential Risks</td>
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<td>Robert C. Gould, ScD</td>
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<td>11:20-11:30</td>
<td>Beyond mA &amp; kV – Radiation Dose Reduction in MDCT: Definitions,</td>
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<td>Strategies, Physics</td>
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<td>11:20-11:30</td>
<td>Dianna Bardo, MD</td>
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Register online or by calling 1-866-788-6206

11:30-11:40 Automatic KV Selection for CT Dose Reduction: An Idea Whose Time Has Come Cynthia H. McCollough, PhD

11:40-11:50 Is sub-msCT Scanning A Reality? Willi A. Kalender, PhD

11:50-12:00 Doseimetry of 320-Slice Volume CT Coronary Angiography Andrew Einstein, MD

12:00-12:10 Clinical Experience with Iterative Reconstruction & Dose Reduction in Dual Source CT H. Christoph Becker, MD

12:10-12:25 Discussion/Q & A

12:25-1:40 Lunch Break

1:40-1:50 CT, Radiation, and Pregnancy: Just the Facts Donald F. Frush, MD

1:50-2:00 Use of Bismuth Breast Shields in CT R. C. Nelson, MD

2:00-2:10 CT and the Cumulative Radiation Dose Record: The Next Imperative Donald F. Frush, MD

2:10-2:20 TBA Mathias Prokop, MD

2:20-2:30 What Evidence is There That Radiation is Associated with Increased Cancer Risk at Doses Used for CT? Andrew Einstein, MD

2:30-2:40 CT Fluoroscopy: Don’t Be Scared Patrick Rogalla, MD

2:40-2:55 Discussion/Q & A

SESSION IV: CONTRAST MEDIUM DELIVERY AND IMAGE ENHANCEMENT

Moderator Dominik Fleischmann, MD

2:55-3:05 Innovative Intravenous Catheters for Optimizing the Administration of Contrast Media R. C. Nelson, MD

3:05-3:15 Power Injectors are Becoming SMARTer Dominik Fleischmann, MD

3:15-3:25 Optimal Techniques for Use of a Saline Chaser R. C. Nelson, MD

3:25-3:35 Patient & Scan Specific Contrast Medium Dosing: How and Why? Dominik Fleischmann, MD

3:35-3:45 Contrast Volumes for Short Scan Time Coronary CT: How Low Can We Go? Sandy S. Halliburton, PhD

3:45-3:55 Coffee Break & View Exhibits

4:05-4:15 Which Patients are at High Risk for Clinical Significant Contrast-Induced Nephropathy Following Computed Tomography? Steven W. Weisbord, MD, MSc, FASN

4:15-4:25 Background Fluctuation of Kidney Function Versus Contrast-Induced Nephrotoxicity Myron A. Poznanski MD FACR

4:25-4:35 When to Assess Renal Function Prior to CT to Determine Risk for Contrast-Induced Nephropathy Steven W. Weisbord, MD, MSc, FASN

4:35-4:45 CT Contrast Agents in the nasoethmoid area Jacob J. Kosna, MD

4:45-4:55 Important Principles in CT Perfusion Dominik Fleischmann, MD

4:55-5:05 Small Animal Perfusion Imaging with a Clinical CT Scanner Ting-Yim Lee, PhD

5:05-5:20 Discussion/Q & A

WEDNESDAY, MAY 19, 2010

6:30-7:00 am Registration, Check-in, and Continental Breakfast

SESSION V: ABDOMEN I: HERITABILITY AND PANCREAS

Moderator R. Brooke Jeffrey Jr., MD

7:00-7:10 Abdominal Pathology Using Low Dose CT With Adaptive Statistical Iterative Reconstruction Compared with Routine Dose CT Amy K. Hara, MD

7:10-7:20 Rational Scan Delays for Liver CT Benjamin M. Yeh, MD

7:20-7:30 Can We Stage HNC Accurately with CT/MR? Michael Fedele, MD

7:30-7:40 Dual Energy CT of Focal Lesions in the Cirrhotic Liver William P. Shuman, MD, FACR

7:40-7:50 CT Cholangiography: Has its Time Come or Gone? Benjamin M. Yeh, MD

7:50-8:00 Hepatic and Biliary Inflammatory Pseudomomas Michael Fedele, MD

8:00-8:10 Role of Spectral CT in the Abdomen: New Opportunities or Challenges? Dushyant Sahani, MD

8:10-8:20 Dual Energy Spectral Imaging: Appearance of Common Abdominal Lesions Using Dual Energy Spectral Imaging Amy K. Hara, MD

8:20-8:30 The Puberty of Abdominal CT Perfusion Patrik Rogalla, MD

8:30-8:40 Free Breathing CT Liver Perfusion Imaging Ting-Yim Lee, PhD

8:40-8:50 Dynamic Contrast-enhanced CT Imaging for Monitoring the Effect of Anti-angiogenic Drugs in Experimental Tumor Models Konstantin Nikolau, MD

8:50-9:00 Monitoring Tumor Response: 2D/3D/HU or Function Dushyant Sahani, MD

9:00-9:10 Potential Errors in the Diagnosis of a Pancreatic Mass: Pearls and Pitfalls Elliot K. Fishman, MD

9:10-9:20 Small Cystic Lesions of the Pancreas: When to Operate, When to Observe R. Brooke Jeffrey, MD

9:20-9:30 Surgical Procedures for Resection of Pancreatic Masses 2010: Beyond the Whipple’s Procedure Elliot K. Fishman, MD

9:30-9:45 Discussion/Q & A

9:45-10:05 Coffee Break & View Exhibits

SESSION VI: ABDOMEN II: GENITOURINARY & GASTROINTESTINAL

Moderator Michael Federle, MD

10:05-10:15 Can Dual-source, Dual-energy CT Discriminate Renal Stone Composition? Cynthia H. McCollough, PhD

10:15-10:25 Simplifying MDCT Urography Acquisition F. Graham Sommer, MD

10:25-10:35 Radiation Exposure and Strategies for Lowering Dose in MDCT Scans for Urolithiasis: Observations from a Multi-institutional Multivendor Study Dushyant Sahani, MD

10:35-10:45 Role of CT Arteriography and Venography in Imaging of Pancreatic Transplants W. Dennis Foley, MD

10:45 -10:55 Vascular & Functional Assessment of Renal Transplants by Time Resolved CTA Hans-Christoph Becker, MD

10:55-11:05 MDCT of Renal Function: Approaches and Applications F. Graham Sommer, MD

11:05-11:15 Prostate MRI: Who needs it? Ferguson Coakley, MD

11:15-11:25 Vascular Gastric Masses Karen M. Horton, MD

11:25-11:35 Shock Bowel vs Focal Injury on MDCT R. Brooke Jeffrey, MD

11:35-11:45 MDCT-endoscopic Correlation of Gastrointestinal Pathology Perry J. Pickhardt, MD

11:45-11:55 MDCT Enterography of Crohn’s Disease: Utility of Volumetric Display Jorge A. Soto, MD

11:55-12:05pm Dual Energy CT Colonography for Characterization of Colonic Masses Anno Graser, MD

12:05-12:15 CT Colonography Interpretation: Do Time Efficiency and Diagnostic Performance Compete? Jorge A. Soto, MD

12:15-12:25 Diagnostic Accuracy and Interpretation Times of CT Colonography Using Advanced 3D Visualization Anna Graser, MD

12:25-12:35 Diagnostic Performance of MDCT for Acute Appendicitis Perry J. Pickhardt, MD

12:35-12:45 Malpractice in Abdominal Imaging: What You Need to Know Ferguson Coakley, MD

12:45-1:00 Lunch Break

SESSION VII: WORKFLOW/IMAGE PROCESSING

Moderator Geoffrey D. Rubin, MD

2:20-2:30 Why Not Read everything in 3D? Jeffrey B. Mendel, MD

2:30-2:40 3D Segmentation – Precision Evaluation Based on Computational Tools Jacob J. Kosna, MD

2:40-2:50 Quality Improvement in 3D Imaging Laura Pierce, MPA, RT (CT)

2:50-3:00 Tracking CT Examination: What You See Geoffrey D. Rubin, MD

3:00-3:10 Content-based Image Retrieval for Decision Support and Knowledge Discovery Sandy Napel, PhD

3:10-3:25 Discussion/Q & A

3:25-3:40 Coffee Break & View Exhibits

3:40-3:55 Moderator

3:55-4:10 How Each Major Workstation Can be Used for Visualization and Analysis of Volumetric MDCT Data* not certified for CMR credit

THURSDAY, MAY 20, 2010

6:30-7:00 am Registration, Check-in, and Continental Breakfast

SESSION VIII: VASCULAR

Moderator Dominik Fleischmann, MD

7:00-7:10 Low-dose CT of the Thoracic Aorta Using a Wide Detector Array Scanner Sandy S. Halliburton, PhD

7:10-7:20 Role of CT in Diagnosis and Management of Aortic Aortic Coarctation W. Dennis Foley, MD

7:20-7:30 Aortic Dissection and Atherosclerosis Robert Herfkens, MD

7:30-7:40 Mechanisms of Side Branch Ischemia in Aortic Dissection Dominik Fleischmann, MD

7:40-7:50 CT Arteriography/Venography of the Thoracic Outlet: Technique and Applications W. Dennis Foley, MD

7:50-8:00 Impact of High Resolution Mode, ASIR and Dual-energy on Vascular CT Raghav Raman, MD

8:00-8:10 CTA Diagnosis of Median Arcuate Ligament Syndrome Karen M. Horton, MD

8:10-8:20 Discovering Failing Endografts Geoffrey D. Rubin, MD

8:20-8:30 Unenhanced CT for Assessment of Endografts Myron A. Poznanski MD FACR

8:30-8:40 Blood Flow Physiology and CT Angiography Benjamin M. Yeh, MD

8:40-8:50 CT Angiography of Extremity Trauma: Expanded Applications with 64 MDCT and Beyond Jorge A. Soto, MD

8:50-9:00 The Value of Time-Resolved CT-Angiography for the Lower Leg Konstantin Nikolau, MD

9:00-9:10 CT Venography Payam Massaband, MD
SESSION IX: CARDIAC I: TECHNIQUE, INDICATIONS, AND INTERPRETATION
Moderator: Geoffrey D. Rubin, MD
9:45-9:55
Data Acquisition Modes for Cardiac CT: Understanding the Options from All Vendors
Sandy S. Halburton, MD
9:55-10:05
Prospectively Triggered Coronary CT Angiography with Zero Padding – Myth or Reality
Jonathan Leipsic MD, FRCP
10:05-10:15
Prospectively Triggered CCTA: Recommendations From 4000 Clinical Exam James P. Earls, MD
10:15-10:25
Prospective ECG-Triggering is Growing Up: Arrhythmia and Cardiac Function
U. Joseph Schoepf, MD, FAHA
10:25-10:35
Validating and Defining the Role of ASIR in Coronary CT Angiography
Jonathan Leipsic MD, FRCP
10:35-10:45
Adaptive Statistical Iterative Reconstruction in CCTA: Results from the ERASIR Trial
Richard T. George, MD
10:45-10:55
Wide Area Detector CT: Advantages for Cardiac CT Imaging
Rebecca Logan, MD
10:55-11:05
Single Beat Cardiac CTA: Adjusting the Radiation Dose to the Patient’s Body Habitus
Patrik Rogalla, MD
11:05-11:15
Ultra Low Dose Cardiac Imaging: Initial Experience
Jeffrey Mendel, MD
11:15-11:25
Advantages of Dual Energy Spectral Imaging for Coronary CTA
Prasad Parne, MD
11:25-11:35
Prospective Randomized Trial On Radiation Dose Estimates of CT Angiography In Patients Scanned With A Sequential Scan Protocol – The PROTECTION III Study
Joerg Hausleiter, MD
11:35-11:45
Use of A Pitch Value of 3.4 in Dual Source, Cardiac CT Angiography: Dose and Image Quality Relative to Existing Scan Modes
Cynthia H. McCollough, PhD
11:45-11:55
Radiation Exposure and Image Quality with Single Heart Beat Coronary CT Angiography in 2nd Generation Dual-source CT – Is There A Further Improvement with Iterative Reconstruction?
Joerg Hausleiter, MD
5:00-5:10
Discussion/Q & A
Joerg Hausleiter, MD
11:55-12:10
Lunch
12:10-12:25
SESSION X: CARDIAC II: NON-ISCHEMIC CARDIAC CT
Moderator: Geoffrey D. Rubin, MD
12:25-13:35
Preoperative Findings of Complex Congenital Heart Disease: Real-life AnatomY Doesn’t Always Look Like a Textbook Drawing
Dianna Bardo, MD
1:35-1:45
Imageing Heart Valves in Children An Open and Shut Case
Francis Chan, MD, PhD
1:45-1:55
CT Imaging of Valvular Heart Disease
Joseph C. McGinley, MD, PhD
1:55-2:05
CT Angiography of Cardiac Valve Replacements and Their Complications
Margaret Lin, MD
2:05-2:15
How Do Cardiologists Use Cardiac CT For Pulmonary Vein Ablation?
Shawn D. Teague, MD
2:15-2:25
Detection of LAA Thrombi by CT
Marta Garcia, MD
2:25-2:35
Adenosine-Induced Stress Myocardial Perfusion CT Imaging with Dual-source CT at Low Radiation Dose
Joerg Hausleiter, MD
2:35-2:45
Extra-low Dose CT Cardiac Perfusion Imaging
Ting-Yim Lee, PhD
2:45-2:55
Dynamic Myocardial Stress Perfusion Imaging Using Fast Dual Source CT With Alternating Table Positions: Initial Experience
Konstantin Nikoiaou, MD
2:55-3:05
Myocardial Perfusion: Time-Resolved Imaging versus Dual Energy CT
U. Joseph Schoepf, MD, FAHA
3:05-3:15
Myocardial Perfusion and Prognosis in the Patient With Suspected CAD
Joao A. C. Lima, MD
3:15-3:25
Myocardial Viability Imaging with CT
Richard T. George, MD
3:25-3:35
CCTA Versus Functional Imaging, A Randomized Controlled Trial
James K. Min, MD
3:35-3:45
Discussion/Q & A
3:45-4:00
Coffee Break & View Exhibits
SESSION XI: CARDIAC III: MYOCARDIAL ISCHEMIA AND CORONARY CTA
Moderator: Geoffrey D. Rubin, MD
4:10-4:20
New Kid on the Block: Computer Aided Stenosis Detection for Coronary CTA
U. Joseph Schoepf, MD, FAHA
4:20-4:30
CT Coronary Angiography in Patients with Atrial Fibrillation
Mario Garcia, MD
4:30-4:40
Functional or Anatomic Assessment of Coronary Disease: What is the “Gold Standard”? 
Julie M. Miller, MD, FACC
4:40-4:50
Cardiovascular Event Rate Following Coronary CTA: A Meta-analysis
Hans-Christoph Becker, MD
4:50-5:00
Coronary CTA: A Guide for PCI
Jean-Louis Sablayrolles, MD
5:00-5:10
Assessment of Stenosis Severity: What is “Significant”? 
Julie M. Miller, MD, FACC
5:10-5:20
Core 320 – Study Design and CT Method
Joao A. C. Lima, MD
5:20-5:30
Cost Effectiveness of CCTA
John D. MacKenzie, MD
5:30-5:40
How We Built a Combined Cardiologist/Radiologist Cardiac CT Imaging Service
Shawn D. Teague, MD
5:40-5:50
Discussion/Q & A
5:50-6:00
FRIDAY, MAY 21, 2010
6:30-7:00 am
Registration, Check-in, and Continental Breakfast
SESSION XII: PEDIATRIC
Moderator: Beverly Newman, BSc, MB BCH, FACR
7:00-7:10
Dose Values in Pediatric CT and Options for Their Reduction
Willis A. Kalender, PhD
7:10-7:20
Sedation-free Pediatric CT: Use of High-pitch Dual-source CT To Obtain Artifact-free Images of Moving Patient
Cynthia H. McCollough, PhD
7:20-7:30
Minimizing Dose in CT Guided MSK Procedures: Beyond mAs & kVp
John D. MacKenzie, MD
7:30-7:40
CT of Congenital Lung Abnormalities in Children
Donald P. Frush, MD
7:40-7:50
Imaging Airways in Children – An Inside and Outside Look
Francis Chan, MD, PhD
7:50-8:00
The Thymus and Thymus Disorders in Children: CT and The Organ of Mystery
Donald P. Frush, MD
8:00-8:10
Dynamic Pulmonary Scanning
S. Bruce Greenberg, MD
8:10-8:20
Low Dose Cardiovascular CTA in Children Using Volume Scanning
S. Bruce Greenberg, MD
8:20-8:30
Normalization of Cardiac Measurements to Body Surface Area in Children: How Not to Do It
Raghav Raman, MD
8:30-8:40
MDOCT Imaging of the Coronary Arteries in Infants: Keys to Making Reproducible and Diagnostic Images
Dianna Bardo, MD
8:40-8:50
TBA
8:50-9:00
TBA
9:00-9:10
TBA
9:10-9:20
Common Pitfalls in MSK MDOCT in the Growing Skeloton
John D. MacKenzie, MD
9:20-9:35
Discussion/Q & A
9:35-9:55
Coffee Break and View Exhibits
SESSION XIII: CHEST
Moderator: Ann N. Leung, MD
10:05-10:15
Concepts for Dedicated CT of the Breast
Willis A. Kalender, PhD
10:15-10:25
Iterative Reconstruction in Thoracic CT – Initial Results and Experiences
Jonathan Leipsic MD, FRCP
10:25-10:35
Higher Resolution HRCT with Iterative Reconstruction?
Johnny Wahlos, BSc, MBBS, MRCP, FRCR
10:35-10:45
Diagnosis of PE in Pregnancy
Ann N. Leung, MD
10:45-10:55
Prospectively Gated CTA of the Pulmonary Arteries
William P. Shuman, M.D, FACC
10:55-11:05
Is There a Role for PE CAD?
Charles S. White, MD
11:05-11:15
What is a Lung Nodule?
Geoffrey D. Rubin, MD
11:15-11:25
Pragmatic Approach in Management of Small Pulmonary Nodules
Ann N. Leung, MD
11:25-11:35
Missed Lung Cancer on CT
Charles S. White, MD
11:35-11:45
Volumetric Assessment of Pulmonary Nodules on CT
Margaret Lin, MD
11:45-11:55
Peripheral Peribronchovascular Lung Diseases
Johnny Wahlos, BSc, MBBS, MRCP, FRCR
11:55-12:05 pm
CT Patterns in Pulmonary Infections: Do They Change with Lower CT Dose?
Justus E. Roos, MD
12:05-12:15
Approaching Lung Disease in the Immune Compromised Host
Johnny Wahlos, BSc, MBBS, MRCP, FRCR
12:15-12:25
TBA – Chest
Jeffrey B. Mendel, MD
12:25-12:35
Combined Pulmonary Fibrosis and Emphysema: A Diagnostic Challenge
Justus E. Roos, MD
12:35-12:45
Preoperative Imaging of Pectus Excavatum
Margaret Lin, MD
12:45-1:00
Discussion/Q & A
1:00-2:30
Lunch
SESSION XIV: NEURO
Moderator: Greg Zaharchuk, MD, PhD
2:30-2:40
Unorthodox Positioning & Scanning Techniques in Neuroradiology: Use MDOCT to Your Patients’ Advantage
Dianna Bardo, MD
2:40-2:50
Optimal Image Quality at Minimum Radiation Dose: Neuroimaging with Noise Reducing Iterative Reconstruction Algorithms
Michael H. Lev, MD, FAHA
2:50-3:00
Volume CT Applications for the Pediatric Head
S. Bruce Greenberg, MD
3:00-3:10
Dual Source and Dual Energy CT Imaging Opportunities in Neuroradiology
David Rex, MD

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