

International Society for Computed Tomography

12TH ANNUAL INTERNATIONAL SYMPOSIUM ON

Multidetector-Row CT

Course Directors:

Geoffrey D. Rubin, MD Gary M. Glazer, MD Maximilian F. Reiser, MD

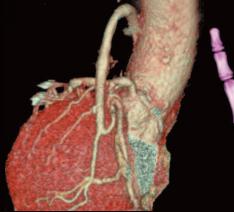
May 18-21, 2010 Hyatt Regency San Francisco















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

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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 **A1510SS** 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

I UESDAY,	MAY 18, 2010
6:30-7:00	Registration, Check-in, and Continental Breakfast
7:00-7:10	Welcome Gary M. Glazer, MD
7:10-7:20	Program Introduction Geoffrey D. Rubin, MD
SESSION I: Moderator	TECHNOLOGY: PRESENT AND FUTURE Geoffrey D. Rubin, MD
7:20-7:30	MDCT Technology 2010: The Big Picture Geoffrey D. Rubin, MD
7:30-7:40	Advantages and Disadvantages of Scanning at Low kV Settings Willi A. Kalender, PhD
7:40-7:50	Technical Considerations for Low Tube Voltage Imaging Sandy S. Halliburton, PhD
7:50-8:00	Impact of Model-Based Iterative Reconstruction on Image Quality and Radiation Dose Paul Kinahan, PhD
8:00-8:10	The Trade Off Between Adaptive Statistical Iterative Reconstruction (ASIR) and Model Based Iterative Reconstruction (MBIR)
8:10-8:20	Rendon C. Nelson, MD Dual-Source Spiral CT at Pitch Values up to 3.4: Assessment of Image Quality for Non-Cardiac Applications Cynthia H. McCollough, PhD
8:20-8:30	Initial Results with a Multi-source Inverse Geometry CT System Norbert J. Pelc, ScD
8:30-8:45	Discussion/Q & A
SESSION II: Moderator	DUAL ENERGY/SPECTRAL IMAGING Geoffrey D. Rubin, MD
8:45-8:55	Simulation of Single and Dual Energy Protocols Based on Clinical Data Norbert J. Pelc, ScD
8:55-9:05	Dual Energy Spectral Imaging: Definition and Clinical Utility of Monochromatic and Material Density CT Images Amy K. Hara, MD
9:05-9:15	The Combination of 100 kVp and 140 kVp with Sn Filtering Improves Image Quality i Dual Energy CT Hans-Christoph Becker, MD
9:15-9:25	Firm Dual Energy CT to Photon Counting Technology Jacob Sosna, MD
9:25-9:45	Coffee Break & View Exhibits
9:45-9:55	CdTe Detectors for CT: A Realistic Option? Willi A. Kalender, PhD
9:55-10:05	Spectral Imaging: Initial Clinical Results in Blood Vessels
10:05-10:15	Jean-Louis Sablayrolles, MD Calcium Quantification from Contrast- Enhanced CT: Is it Possible Using Dual Energy Sandy S. Halliburton, PhD
10:15-10:25	Spectral Imaging: Initial Clinical Results in Cancer Jean-Louis Sablayrolles, MD
10:25-10:35	Implementing Dual Energy CT and Adaptiv Statistical Iterative Reconstruction in Routine Clinical Practice Amy K. Hara, MD
10:35-10:50	Discussion/Q & A
SESSION III: Moderator	RADIATION DOSE Geoffrey D. Rubin, MD
10:50-11:00	Dose in DECT: Does it Go Up or Down? Cynthia H. McCollough, PhD
11:00-11:10	The Relationship Between Dose-Length Product and Effective Dose: Not So simple Andrew Einstein, MD
11:10-11:20	Relevance of CT Dose Indices for Estimatin Patient Dose and Potential Risks Robert G. Gould, ScD
	Hobert G. Godia, seb

11:30-11:40	Automotic IN Coloreiton for CT Door	7 10 7 20	Detienel Com Deleve for Liver CT	12.05.12.15	CT Calana and had beta made than Da Time
	Automatic kV Selection for CT Dose Reduction: An Idea Whose Time Has Come	7:10-7:20	Rational Scan Delays for Liver CT Benjamin M. Yeh, MD	12:05-12:15	CT Colonography Interpretation: Do Time Efficiency and Diagnostic Performance
	Cynthia H. McCollough, PhD	7:20-7:30	Can We Stage HNC Accurately with CT/MR?		Compete?
11:40-11:50	Is sub-mSv CT Scanning A Reality?		Michael Federle, MD	10.45.10.55	Jorge A. Soto, MD
11,50 12 00	Willi A. Kalender, PhD	7:30-7:40	Dual Energy CT of Focal Lesions in the	12:15-12:25	Diagnostic Accuracy and Interpretation Times
11:50-12:00 pm	Dosimetry of 320-Slice Volume CT Coronary Angiography		Cirrhotic Liver William P. Shuman, M.D. FACR		of CT Colonography Using Advanced 3D Visualization
	Andrew Einstein, MD	7:40-7:50	CT Cholangiography: Has its Time Come or		Anno Graser, MD
12:00-12:10	Clinical Experience with Iterative		Gone?	12:25-12:35	Diagnostic Performance of MDCT for Acute
	Reconstruction & Dose Reduction in Dual		Benjamin M. Yeh, MD		Appendicitis Perry J. Pickhardt, MD
	Source CT Hans-Christoph Becker, MD	7:50-8:00	Hepatic and Biliary Inflammatory Pseudomonas	12:35-12:45	Malpractice in Abdominal Imaging: What
12:10-12:25	Discussion/Q & A		Michael Federle, MD	12.55 12.75	You Need to Know
12:25-1:40	Lunch Break	8:00-8:10	Role of Spectral CT in the Abdomen: New		Fergus Coakley, MD
1:40-1:50	CT, Radiation, and Pregnancy: Just the Facts		Opportunities or Challenges?	12:45-1:00	Discussion/Q & A
	Donald P. Frush, MD	0.10 0.20	Dushyant Sahani, MD	1:00-2:20	Lunch Break
1:50-2:00	Use of Bismuth Breast Shields in CT Rendon C. Nelson, MD	8:10-8:20	Dual Energy Spectral Imaging: Appearance of Common Abdominal Lesions Using Dual	SESSION VII:	WORKFLOW/IMAGE PROCESSING
2:00-2:10	CT and the Cumulative Radiation Dose		Energy Spectral Imaging	Moderator 2:20-2:30	Geoffrey D. Rubin, MD Why Not Read Everything in 3D?
2.00 2.10	Record: The Next Imperative		Amy K. Hara, MD	2.20 2.30	Jeffrey B. Mendel, MD
	Donald P. Frush, MD	8:20-8:30	The Puberty of Abdominal CT Perfusion Patrik Rogalla, MD	2:30-2:40	3D Segmentation – Precision Evaluation
2:10-2:20	TBA Mathias Prokop, MD	8:30-8:40	Free Breathing CT Liver Perfusion Imaging		Based on Computational Tools
2:20-2:30	What Evidence is There That Radiation is	3.30 0.40	Ting-Yim Lee, PhD	2:40-2:50	Jacob Sosna, MD Quality Improvement in 3D Imaging
2.20 2.30	Associated with Increased Cancer Risk at	8:40-8:50	Dynamic Contrast-enhanced CT Imaging for	2.70 2.30	Laura Pierce, MPA, RT (CT)
	Doses Used for CT?		Monitoring the Effect of Anti-angiogenic Drugs in Experimental Tumor Models	2:50-3:00	Tracking CT Exploration: What You See
2:30-2:40	Andrew Einstein, MD CT Fluoroscopy: Don't Be Scared		Konstantin Nikolaou, MD	200215	Geoffrey D. Rubin, MSD
2.30-2.40	Patrik Rogalla, MD	8:50-9:00	Monitoring Tumor Response: 2D/3D/HU or	3:00-3:10	Content-based Image Retrieval for Decision Support and Knowledge Discovery
2:40-2:55	Discussion/Q & A		Function		Sandy Napel, PhD
SESSION IV:	CONTRAST MEDIUM DELIVERY AND IMAGE	9:00-9:10	Dushyant Sahani, MD Potential Errors in the Diagnosis of a	3:10-3:25	Discussion/Q & A
	ENHANCEMENT	9.00-9.10	Pancreatic Mass: Pearls and Pitfalls	3:25-3:40	Coffee Break & View Exhibits
Moderator	Dominik Fleischmann, MD		Elliot K. Fishman, MD	3:40-5:35 Moderator	8th Annual Workstation Face-Off* Geoffrey D. Rubin, MD
2:55-3:05	Innovative Intravenous Catheters for Optimizing the Administration of Contrast	9:10-9:20	Small Cystic Lesions of the Pancreas: When	Moderator	View and Compare How Each Major
	Media		to Operate, When to Observe R. Brooke Jeffrey, MD		Workstation Can be Used for Visualization
	Rendon C. Nelson, MD	9:20-9:30	Surgical Procedures for Resection of Pancreatic		and Analysis of Volumetric MDCT Data *not certified for CME credit
3:05-3:15	Power Injectors are Becoming Smarter Dominik Fleischmann, MD		Masses 2010: Beyond the Whipple's Procedure		not certified for Civil credit
3:15-3:25	Optimal Techniques for Use of a Saline Chaser	0.20 0.45	Elliot K. Fishman, MD	THURSDAY	/, MAY 20, 2010
3.13 3.23	Rendon C. Nelson, MD	9:30-9:45 9:45-10:05	Discussion/Q & A Coffee Break & View Exhibits	6:30-7:00 am	Registration, Check-in, and Continental
3:25-3:35	Patient & Scan Specific Contrast Medium	9:45-10:05 SESSION VI:			Breakfast
	Dosing: How and Why? Dominik Fleischmann, MD	SESSION VI:	ABDOMEN II: GENITOURINARY & GASTROINTESTINAL	SESSION VIII:	VASCULAR
3:35-3:45	Contrast Volumes for Short Scan Time	Moderator	Michael Federle, MD	Moderator	Dominik Fleischmann, MD
3.33 3.13	Coronary CT: How Low Can We Go?	10:05-10:15	Can Dual-source, Dual-energy CT Discriminate	7:00-7:10	Low-dose CT of the Thoracic Aorta Using a Wide Detector Array Scanner
	Sandy S. Halliburton, PhD		Renal Stone Composition? Cynthia H. McCollough, PhD		Sandy S. Halliburton, PhD
3:45-4:05	Coffee Break & View Exhibits	10:15-10:25	Simplifying MDCT Urography Acquisition	7:10-7:20	Role of CT in Diagnosis and Management of
4:05-4:15	Which Patients are at High Risk for Clinical Significant Contrast-Induced Nephropathy		F. Graham Sommer, MD		Adult Aortic Coarctation W. Dennis Foley, MD
	Following Computed Tomography?	10:25-10:35	Radiation Exposure and Strategies for	7:20-7:30	
					Aortic Dissection and Atherosclerosis
	Steven D. Weisbord, MD, MSc, FASN		Lowering Dose in MDCT Scans for	7.20-7.30	Aortic Dissection and Atherosclerosis Robert Herfkens, MD
4:15-4:25	Background Fluctuation of Kidney Function		Lowering Dose in MDCT Scans for Urolithiasis: Observations from a Multi- institutional Multivendor Study	7:30-7:40	Robert Herfkens, MD Mechanisms of Side Branch Ischemia in
4:15-4:25	Background Fluctuation of Kidney Function Versus Contrast-Induced Nephrotoxicity		Urolithiasis: Observations from a Multi- institutional Multivendor Study Dushyant Sahani, MD		Robert Herfkens, MD Mechanisms of Side Branch Ischemia in Aortic Dissection
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	Background Fluctuation of Kidney Function Versus Contrast-Induced Nephrotoxicity Myron A. Pozniak MD FACR When to Assess Renal Function Prior to CT to Determine Risk for Contrast-Induced Nephropathy	10:35-10:45 10:45 -10:55	Urolithiasis: Observations from a Multi- institutional Multivendor Study Dushyant Sahani, MD Role of CT Arteriography and Venography in Imaging of Pancreatic Transplants W. Dennis Foley, MD Vascular & Functional Assessment of Renal	7:30-7:40 7:40-7:50	Robert Herfkens, MD Mechanisms of Side Branch Ischemia in Aortic Dissection Dominik Fleischmann, MD CT Arteriography/Venography of the Thoracic Outlet: Technique and Applications W. Dennis Foley, MD
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9:10-9:25	Discussion/Q & A	2:45-2:55	Dynamic Myocardial Stress Perfusion Imaging Using Fast Dual Source CT With	8:30-8:40	MDCT Imaging of the Coronary Arteries in Infants: Keys to Making Reproducible and
9:25-9:45 SESSION IX:	Coffee Break & View Exhibits CARDIAC I: TECHNIQUE, INDICATIONS, AND		Alternating Table Positions: Initial Experience Konstantin Nikolaou, MD		Diagnostic Images Dianna Bardo, MD
Moderator	INTERPRETATION Geoffrey D. Rubin, MD	2:55-3:05	Myocardial Perfusion: Time-Resolved	8:40-8:50	ТВА
9:45-9:55	Data Acquisition Modes for Cardiac CT:		Imaging versus Dual-Energy CT U. Joseph Schoepf, MD, FAHA	8:50-9:00	TBA Congenital Intra and Extrahepatic
	Understanding the Options from All Vendors Sandy S. Halliburton, PhD	3:05-3:15	Myocardial Perfusion and Prognosis in the Patient With Suspected CAD	0.50 5.00	Portosystemic Shunts Beverley Newman, BSc, MBBCh, FACR
9:55-10:05	Prospectively Triggered Coronary CT Angiography with Zero Padding – Myth		Joao A. C. Lima, MD	9:00-9:10	ТВА
	or Reality	3:15-3:25	Myocardial Viability Imaging with CT Richard T. George, MD	9:10-9:20	TBA Common Pitfalls in MSK MDCT in the
10:05-10:15	Jonathon Leipsic MD FRCPC Prospectively Triggered CCTA:	3:25-3:35	CCTA Versus Functional Imaging, A		Growing Skeleton
	Recommendations From 4000 Clinical Exams James P. Earls, MD		Randomized Controlled Trial James K. Min, MD	9:20-9:35	John D. MacKenzie, MD Discussion/Q & A
10:15 -10:25	Prospective ECG-Triggering is Growing Up:	3:35-3:50	Discussion/Q & A	9:35-9:55	Coffee Break and View Exhibits
	Arrhythmia and Cardiac Function U. Joseph Schoepf, MD, FAHA	3:50-4:10	Coffee Break & View Exhibits	SESSION XIII: Moderator	CHEST Ann N. Leung, MD
10:25-10:35	Validating and Defining the Role of ASIR in	SESSION XI:	CARDIAC III: MYOCARDIAL ISCHEMIA AND CORONARY CTA	9:55-10:05	Concepts for Dedicated CT of the Breast
	Coronary CT Angiography Jonathon Leipsic MD FRCPC	Moderator	Geoffrey D. Rubin, MD	10.05 10.15	Willi A. Kalender, PhD
10:35-10:45	Adaptive Statistical Iterative Reconstruction	4:10-4:20	New Kid on the Block: Computer Aided Stenosis Detection for Coronary CTA	10:05-10:15	TBA – Breast CT Jeffrey B. Mendel, MD
	in CCTA: Results from the ERASIR Trial James P. Earls, MD	4.20 4.20	U. Joseph Schoepf, MD, FAHA	10:15-10:25	Iterative Reconstruction in Thoracic CT –
10:45-10:55	Wide Area Detector CT: Advantages for	4:20-4:30	CT Coronary Angiography in Patients with Atrial Fibrillation		Initial Results and Experiences Jonathon Leipsic MD FRCPC
	Cardiac CT Imaging Richard T. George, MD	1.20 1.10	Mario Garcia, MD	10:25-10:35	Higher Resolution HRCT with Iterative Reconstruction?
10:55-11:05	Single Beat Cardiac CTA: Adjusting the	4:30-4:40	Functional or Anatomic Assessment of Coronary Disease: What is the "Gold		Johnny Vlahos, BSc, MBBS, MRCP, FRCR
	Radiation Dose to the Patient's Body Habitus Patrik Rogalla, MD		Standard"? Julie M. Miller, MD, FACC	10:35-10:45	Diagnosis of PE in Pregnancy Ann N. Leung, MD
11:05-11:15	Ultra Low Dose Cardiac Imaging: Initial	4:40-4:50	Cardiovascular Event Rate Following	10:45-10:55	Prospectively Gated CTA of the Pulmonary
	Experience Jeffrey Mendel, MD		Coronary CTA: A Meta-analysis Hans-Christoph Becker, MD		Arteries William P. Shuman, M.D. FACR
11:15-11:25	Advantages of Dual Energy Spectral Imaging for Coronary CTA	4:50-5:00	Coronary CTA : A Guide for PCI Jean-Louis Sablayrolles, MD	10:55-11:05	Is There a Role for PE CAD? Charles S. White, MD
	Prasad Panse, MD	5:00-5:10	Assessment of Stenosis Severity: What is	11:05-11:15	What is a Lung Nodule?
11:25-11:35	Prospective Randomized Trial On Radiation Dose Estimates of CT Angiography In		"Significant"? Julie M. Miller, MD, FACC	11 15 11 25	Geoffrey D. Rubin, MD
	Patients Scanned With A Sequential Scan Protocol – The PROTECTION III Study	5:10-5:20	CorE 320 – Study Design and CT Method Joao A. C. Lima, MD	11:15-11:25	Pragmatic Approach in Management of Small Pulmonary Nodules Ann N. Leung, MD
11:35-11:45	Joerg Hausleiter, MD Use of A Pitch Value of 3.4 in Dual Source,	5:20-5:30	Cost Effectiveness of CCTA James K. Min, MD	11:25-11:35	Missed Lung Cancer on CT Charles S. White, MD
	Cardiac CT Angiography: Dose and Image Quality Relative to Existing Scan Modes Cynthia H. McCollough, PhD	5:30-5:40	How We Built a Combined Cardiologist/ Radiologist Cardiac CT Imaging Service Shawn D. Teaque, MD	11:35-11:45	Volumetric Assessment of Pulmonary Nodules on CT
11:45-11:55	Radiation Exposure and Image Quality with Single Heart Beat Coronary CT	5:40-5:55	Discussion/Q & A	11:45-11:55	Margaret Lin, MD Peripheral Peribronchovascular Lung
	Angiography in 2nd Generation Dual- source CT – Is There A Further Improvement	FRIDAY, M	AY 21, 2010		Diseases Johnny Vlahos, BSc, MBBS, MRCP, FRCR
	with Iterative Reconstruction? Joerg Hausleiter, MD	6:30-7:00 am	Registration, Check-in, and Continental Breakfast	11:55-12:05 pm	CT Patterns in Pulmonary Infections: Do They Change with Lower CT Dose? Justus E. Roos, MD
11:55-12:10 12:10-1:25	Discussion/Q & A Lunch	SESSION XII:	PEDIATRIC	12:05-12:15	Approaching Lung Disease in the Immune
SESSION X:	CARDIAC II: NON-ISCHEMIC CARDIAC CT	Moderator 7:00-7:10	Beverley Newman, BSc, MBBCh, FACR Dose Values in Pediatric CT and Options for		Compromised Host Johnny Vlahos, BSc, MBBS, MRCP, FRCR
Moderator	Geoffrey D. Rubin, MD		Their Reduction Willi A. Kalender, PhD	12:15-12:25	TBA – Chest
1:25-1:35	Preoperative Findings of Complex Congenital Heart Disease: Real-life Anatomy Doesn't	7:10-7:20	Sedation-free Pediatric CT: Use of	12,25 12,25	Jeffrey B. Mendel, MD Combined Pulmonary Fibrosis and
	Always Look Like a Textbook Drawing Dianna Bardo, MD		High-pitch Dual-source CT to Obtain Artifact-free Images of Moving Patient	12:25-12:35	Emphysema: A Diagnostic Challenge Justus E. Roos, MD
1:35-1:45	Imaging Heart Valves in Children in An Open and Shut Case	7:20-7:30	Cynthia H. McCollough, PhD Minimizing Dose in CT Guided MSK	12:35-12:45	Preoperative Imaging of Pectus Excavatum
1.45 1.55	Frandics Chan, MD, PhD	•	Procedures: Beyond mAs & kVp John D. MacKenzie, MD	12:45-1:00	Margaret Lin, MD Discussion/Q & A
1:45-1:55	CT Imaging of Valvular Heart Disease Joseph C. McGinley, MD, PhD	7:30-7:40	CT of Congenital Lung Abnormalities in	1:00-2:30	Lunch
1:55-2:05	CT Angiography of Cardiac Valve Replacements and Their Complications		Children Donald P. Frush, MD	SESSION XIV:	NEURO
	Margaret Lin, MD	7:40-7:50	Imaging Airways in Children – An Inside	Moderator 2:30-2:40	Greg Zaharchuk, MD, PhD Unorthodox Positioning & Scanning
2:05-2:15	How Do Cardiologists Use Cardiac CT For Pulmonary Vein Ablation?		and Outside Look Frandics Chan, MD, PhD		Techniques in Neuroradiology: Use MDCT to Your Patients' Advantage
2.15 2.25	Shawn D. Teague, MD	7:50-8:00	The Thymus and Thymus Disorders in Children: CT and The Organ of Mystery	2 40 2 52	Dianna Bardo, MD
2:15-2:25	Detection of LAA Thrombi by CT Mario Garcia, MD		Donald P. Frush, MD	2:40-2:50	Optimal Image Quality at Minimum Radiation Dose: Neuroimaging with Noise
2:25-2:35	Adenosine-Induced Stress Myocardial Perfusion CT Imaging with Dual-source CT	8:00-8:10	Dynamic Pulmonary Scanning S. Bruce Greenberg, MD		Reducing Iterative Reconstruction Algorithms Michael H Lev, MD, FAHA
	at Low Radiation Dose	8:10-8:20	Low Dose Cardiovascular CTA in Children	2:50-3:00	Volume CT Applications for the Pediatric Head
2:35-2:45	Joerg Hausleiter, MD Extra-low Dose CT Cardiac Perfusion Imaging		Using Volume Scanning S. Bruce Greenberg, MD	3.00_3.10	S. Bruce Greenberg, MD
2.33 2.73	Ting-Yim Lee, PhD	8:20-8:30	Normalization of Cardiac Measurements to Body Surface Area in Children: How Not to Do It	3:00-3:10	Opportunities in Neuroradiology David Rex, MD
			Raghav Raman, MD		

3:10-3:20	Spectral CT Neuroimaging: Pilot Results and "Killer Apps" Michael H Lev. MD. FAHA
3:20-3:30	TBA E. Paul Lindell, MD
3:30-3:40	320 Detector Dynamic CTA Srinivasan Mukundan, Jr. MD, PhD
3:40-3:50	Initial Experience with Acute Cerebral Ischemia CT Angiography Robert de la Paz, MD
3:50-4:00	Bone Subtraction CTA of the Neck Srinivasan Mukundan, Jr. MD, PhD
4:00-4:15	Discussion/Q & A
4:15-4:30	Coffee & View Exhibits
4:30-4:40	128 Detector Whole Brain CTP in the ED Srinivasan Mukundan, Jr. MD, PhD
4:40-4:50	Accurate CT Perfusion Imaging Detection of Infarct Core: A New Paradigm? Michael H Lev, MD, FAHA
4:50-5:00	Whole Brain CT Perfusion Using CTA and CT Robert de la Paz, MD
5:00-5:10	High-dose CT Brain Perfusion and the FDA: What Happened, How it Happened, and How to Prevent it From Happening to You Greg Zaharchuk, MD, PhD
5:10-5:20	Extra-low Dose CT Brain Perfusion Imaging Ting-Yim Lee, PhD
5:20-5:30	TBA Mathias Prokop, MD
5:30-5:40	TBA E. Paul Lindell, MD
5:40-5:50	TBA

5:50-6:05 Discussion/Q & A

Mathias Prokop, MD

Please note that program may slightly change. Please refer back to website for final schedule.

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