STANFORD RADIOLOGY

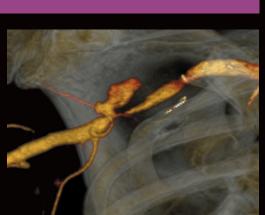
THE STANFORD DEPARTMENT OF RADIOLOGY PRESENTS THE 11TH ANNUAL INTERNATIONAL SYMPOSIUM ON

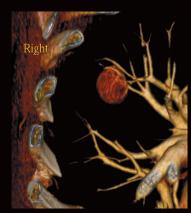
Multidetector-Row CT

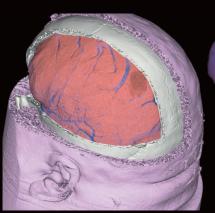
Course Directors:

Gary M. Glazer, M.D. and Geoffrey D. Rubin, M.D.

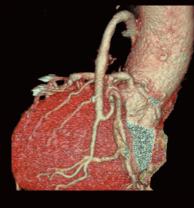
May 19-22, 2009 **Hyatt Regency** San Francisco















PROGRAM HIGHLIGHTS

- 1. Hot Topics Presented in Highly **Focused 10 Minute Lectures**
- 2. 160 Lectures from 70 World-**Renown Faculty**
- 3. 7th Annual Original Workstation Face-Off *

Wednesday, May 20th at 3:20pm

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

4. Case Conference with the Professor Interactive sessions led by our course

Replicate the experience of reading a case with expert feedback. These 75 minute sessions will be focused on different CT applications (e.g. chest, cardiac, abdomen, musculoskeletal, etc) and will run simultaneous to the course program. Registrants

will work in pairs to manipulate and review cases on individual workstations and then discuss their findings within the small group setting. Please note that space is limited.

SPONSORED BY THE STANFORD UNIVERSITY SCHOOL OF MEDICINE



Stanford University Medical Center

LEARNING OBJECTIVES/TARGET AUDIENCE

This course is intended for radiologists, medical imaging scientists, non-radiologist physicians, and other medical professionals such as radiologic technologists, nurses, and physician's assistants who are interested in CT technology and its applications.

At the conclusion of this activity, participants should be able to:

- Apply appropriate techniques to reduce radiation exposure while maintaining diagnostic image quality
- Utilize advanced image rendering techniques and post processing workstations to fully analyze scan data
- Implement 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
- Implement current techniques and protocols to accurately diagnose disorders of the chest, brain, abdomen, vascular, and musculoskeletal systems in adults and children
- Demonstrate imaging and post-processing techniques to accurately measure brain perfusion for more detailed diagnoses and follow-up to treatment

STATEMENT OF NEED

Substantial developments in MDCT technology have resulted in a broad spectrum of new and improved clinical applications. These developments and techniques include greater radiation dose efficiency, improved spatial resolution, widearea detectors, and dual energy imaging. This program aims to discuss the impact of new MDCT developments on clinical practice and help physi-

cians learn how to advance their acquisition protocols and interpretations to take full advantage of these advances.

ACCREDITATION

The Stanford University School of Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

CREDIT DESIGNATION

The Stanford University School of Medicine designates this educational activity for a maximum of **30.75** *AMA PRA Category 1* Credits™. Physicians should only claim credit commensurate with the extent of their participation in this activity. **Technologists:** Please check our website for an update on ARRT Category A CE credits.

ACCOMMODATIONS

Hyatt Regency in Downtown 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 **\$229.00** 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 26, 2009.** After April 26th, rooms at our discount rates 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

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TRAVEL

code:G-STAN).

Summit Travel has been chosen as the official travel agency for this conference. Summit Travel's knowledgeable staff are at your service Monday-Friday, 7:00am-5:30pm, PST. Call Summit Travel at 1-800-338-1308 (within U.S. or Canada) or +1-650-688-3578.

Special Airfares and discount car rentals:

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 area pricing rates.

Call American Airlines at 1-800-433-1790, and reference Tour Code Number A1519SS.

Call United Airlines at 1-800-521-4041, and reference Meeting ID Code 502BH.

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TUESDAY, MAY 19, 2009

TUESDAY, I	MAY 19, 2009
6:30-7:00 am	Registration, Check-In, and Continental Breakfast
7:00-7:10	Course Welcome Gary M. Glazer, MD
7:10-7:20	Program Introduction Geoffrey D. Rubin, MD
SESSION I:	TECHNOLOGY: PRESENT AND FUTURE
Moderator	Geoffrey D. Rubin, MD
7:20-7:30	MDCT Technology: The Big Picture Geoffrey D. Rubin, MD
7:30 -7:40	Clinical Applications and Wide Area Detectors: Advantages & Disadvantages Mathias Prokop, MD
7:40-7:50	DSCT at High Pitch Provides Sub-Second Scans of the Thorax and the Heart
7:50-8:00	Willi Kalender, PhD Technical Implementations of Dual-Energy CT: Many Roads to the Same Destination?
8:00-8:10	Cynthia H. McCollough, PhD Next Generation Dual Energy CT: Does
	New Scanner Technology Take Us to the Next Level? Anno Graser, MD
8:10-8:20	Material Density Accuracy of a CT Spectral
0.10 0.20	Imaging System William Pavlicek, PhD
8:20-8:30	Scatter in MDCT: Hardware and Software Correction
	Rebecca Fahrig, PhD
8:30-8:40	Understanding kV Adaptation in CT: When Does it Help? When Can it Hurt?
8:40-8:50	Cynthia H. McCollough, PhD Current Status and Future Prospects of
6.40-6.30	Inverse Geometry CT Norbert J. Pelc, ScD
8:50-9:00	Impact of New CT Detector Technology Norbert J. Pelc, ScD
9:00-9:15	Discussion/Q & A
9:15-9:35	Coffee Break & View Exhibits
SESSION II: Moderator	RADIATION EXPOSURE Geoffrey D. Rubin, MD
9:35-9:45	"By The Way, I'm Pregnant"What Now? Donald P. Frush, MD
9:45-9:55	An Alphabet Soup of Dose Reduction Techniques: AEC, FLASH, HYPR, IR, MBF (and more)
	Cynthia H. McCollough, PhD
9:55-10:05	Meeting ACR CT Accreditation Using Reference Dose Values
	William Pavlicek, PhD
10:05-10:15	How Effective is Effective Dose as a Predictor of Radiation Risk? Cynthia H. McCollough, PhD
10:15-10:25	Advantages of Iterative Reconstruction:
	Has its Time Come? Norbert J. Pelc, ScD
10:25-10:35	Iterative Reconstruction: Image Quality
	and Dose Reduction W. Dennis Foley, MD
10:35-10:45	Dose Assessment in Clinical Practice: What's Typical? What's Too Much? Cynthia H. McCollough, PhD
10:45-11:00	Discussion/Q & A
SESSION III:	CONTRAST MEDIUM DELIVERY AND IMAGE ENHANCEMENT
Moderator	Dominik Fleischmann, MD
11:00-11:10	Customization of the Contrast Media Dose and Rate by Determining Lean Body
	Weight from MDCT Scans Rendon C. Nelson, MD
11:10-11:20	The Iodine Delivery Rate (IDR): A Prerequisite for Optimization of a CTA
	Protocol Joachim E. Wildberger, MD, PhD
11:20-11:30	Understanding Arterial Contrast Medium Dynamics for Cardiovascular CT
	Dominik Floischmann MD

Dominik Fleischmann, MD

11:30-11:40	Optimization of the Saline Chaser in MDCT Angiography Rendon C. Nelson, MD	5:15-5:25	Pediatric Appendicitis- When is CT Indicated? Richard A. Barth, MD	11:05-11:15	Requisites for Performing a High Quality C Colonography Study C. Dan Johnson, MD
11:40-11:50	How to Control Arterial Enhancement for Subsecond Scans?	5:25-5:40	Discussion/Q & A	11:15-11:25	Optimizing Colon Distention in CTC: Tricks of the Trade
	Dominik Fleischmann, MD	WEDNEST	DAY, MAY 20, 2009		Abe Dachman, MD
11:50-12:00 pm	Advances in Oncological MDCT: Time- Resolved CT Volume Perfusion for	6:30-7:00 am	Registration, Check-In, and Continental Breakfast	11:25-11:35	Spectral CT Cleansing in Non-Cathartic CTC Jacob Sosna, MD
	Monitoring Antiangiogenic Treatment Anno Graser, MD	SESSION V:	ABDOMEN I: HEPATOBILIARY AND	11:35-11:45	Comparison of 3D Displays for Polyp Detection at CTC
12:00-12:10	Perfusion Imaging: A Balancing Act between Dose and Time Resolution	Moderator	GENITOURINARY R. Brooke Jeffrey, MD	11:45-11:55	Perry J. Pickhardt, MD CAD for CTC: Help or Hinder?
12:10-12:20	Patrik Rogalla, MD Novel Contrast Agent Development in the	7:00-7:10	MDCT of the Abdomen: Common Errors in Lesion Detection and Diagnosis	11:55-12:05pm	Abe Dachman, MD Results of the National CT Colonography
	Nano-Particle Era Jacob Sosna, MD	7:10-7:20	Elliot K. Fishman, MD Optimization of MDCT in Large Patients		Trial C. Dan Johnson, MD
12:20-12:35 12:35-1:50	Discussion/Q & A Lunch Break	7:20-7:30	Rendon C. Nelson, MD Understanding THIDS and THADs	12:05-12:15	CTC: How Much Training is Enough? Abe Dachman, MD
1:50-2:00	Which Patients are at High Risk for Clinically Significant Contrast-Induced	7:30-7:40	Terry S. Desser, MD Hepatocellular Carcinoma: Do We Stage it	12:15-12:25	Extracolonic Findings at CTC Screening: Key Issues
	Nephropathy Following Computed Tomography?	7.40.750	Accurately with CT/MR? Michael Federle, MD	12:25-12:40	Perry J. Pickhardt, MD Discussion/Q & A
2:00-2:10	Steven D. Weisbord, MD, MSc, FASN Contrast Induced Nephropathy: Does it	7:40-7:50	3D Volume Rendered Imaging of Periampullary Lesions	12:40-2:00 SESSION VII:	Lunch Break WORKFLOW/IMAGE PROCESSING
	Matter for CT? U. Joseph Schoepf, MD	7:50-8:00	R. Brooke Jeffrey, MD Adaptive Statistical Iterative	Moderator	Geoffrey D. Rubin, MD
2:10-2:20	Choosing an Intravenous Fluid to Prevent Contrast-Induced Nephropathy in High Risk Patients: A Review of Recent Data		Reconstruction: Thin-Slice, Low-Contrast Improvements and Implications in Pancreatic Imaging	2:00-2:10	Scan Thin, Read Thick, Store How? What You Will Need from Your PACS and 3D Vendors Jeffrey B. Mendel, MD
2:20-2:30	Steven D. Weisbord, MD, MSc, FASN Dealing with the Contrast-Challenged Patient	8:00-8:10	Joseph M. Collins, MD Patterns of Perineural Spread of Pancreatic Carcinoma on 3D Volume Rendered Images	2:10-2:20	Organ Volumetry: Indications and Challenges Dushyant Sahani, MD
2.20 2.40	Robert J. Herfkens, MD	8:10-8:20	R. Brooke Jeffrey, MD Perfusion or Confusion: Dynamic Volume	2:20-2:30	Barriers to Implementing a 3D Lab Laura Pierce, MPA, RT (CT)
2:30-2:40	Contrast-Induced Nephropathy and Nephrogenic Systemic Fibrosis: An Approach to the Prevention of Adverse		CT of the Pancreas Patrik Rogalla, MD	2:30-2:40	Beyond Visualization and Quantitation: Data Mining for Radiological Decision
2.40.255	Steven D. Weisbord, MD, MSc, FASN	8:20-8:30	Eliminating the "CT Indeterminate Lesion" using Spectral Imaging Amy K. Hara, MD	2:40-2:50	Support Sandy Napel, PhD Workflow for Outside Studies: Techniques
2:40-2:55 2:55-3:05	Discussion/Q & A	8:30-8:40	Characterization of Fat Containing	2.40-2.30	for those Piles of CDs
2:55-5:05	IV Contrast Reactions in Children: What, When, and Is Help Here Yet? Donald P. Frush, MD	0.50 0.10	Pathologies with Dual Energy MDCT Jacob Sosna, MD	2:50-3:05	Jeffrey B. Mendel, MD Discussion/Q & A
3:05-3:15	Radiation in Pediatric Cardiac CTA - Myth and Reality Frandics Chan, MD, PhD	8:40-8:50	Urologist's Perspective on Urolithiasis: New and Evolving Concepts in CT Dushyant Sahani, MD	3:05-3:20 3:20-6:15 <i>Moderator</i>	Coffee Break & View Exhibits 7th Annual Workstation Face-Off* Geoffrey D. Rubin, MD
3:15-3:25	Effective Dose in Pediatric CT: How Did They Determine This and What is Reasonable?	8:50-9:00	Different Approaches to Acquisition in MDCT Urography F. Graham Sommer, MD		View and Compare How Each Major Workstation Can be Used for Visualization and Analysis of Volumetric MDCT Data
3:25-3:35	Donald P. Frush, MD Significant CT Dose Reduction for Pediatric	9:00-9:10	Pitfalls of MDCT Imaging of Renal Masses: How to Miss Renal Pathology	THURCDAY	*not certified for CME credit
	Craniofacial Imaging Srini Mukundan, MD, PhD	9:10-9:20	Elliot K. Fishman, MD Advanced Processing for MDCT Urography	6:30-7:00 am	/, MAY 21, 2009 Registration, Check-In, and Continental
3:35-3:45	Wide Detector Computed Tomography in Children: Early Experience	9:20-9:30	F. Graham Sommer, MD GFR Measurements with Quantitative	SESSION VIII:	Breakfast CHEST
3:45-4:05	S. Bruce Greenberg, MD Coffee Break & View Exhibits		Kidney Perfusion Konstantin Nikolaou, MD	Moderator 7:00-7:10	Ann N. Leung, MD Persistent Groundglass Nodules in the
SESSION IV: Moderator	PEDIATRICS Beverley Newman, BSc, MBBCh, FACR	9:30-9:40	CT Cystoscopy: Techniques and Applications		Setting of Extrapulmonary Malignancy Margaret Lin, MD
4:05-4:15	Analysis of the Abnormal Pediatric Skull Using CT-Based 3D Virtual	9:40-9:55 9:55-10:15	Elliot K. Fishman, MD Discussion/Q & A Coffee Break & View Exhibits	7:10-7:20	Dual Energy CT: Challenges and Potential for Pulmonary Nodule Evaluation? Johnny Vlahos, BSc, MBBS, MRCP, FRCR
4:15-4:25	Anthropomorphetry Srini Mukundan, MD, PhD CT Imaging of Prenatally Diagnosed Lung	SESSION VI: Moderator	ABDOMEN II: GASTROINTESTINAL Michael Federle, MD	7:20-7:30	Hunting for Lung Nodules on Chest CT: Is There a Way to Become Faster?
7.13 7.23	Malformations - Why, When, and How Richard A. Barth, MD	10:15-10:25	Practical Tips on Dose Reduction in Abdominal Imaging- How to Optimize	7:30-7:40	Justus E. Roos, MD Computer-Assisted Diagnosis (CAD) for
4:25-4:35	The Spectrum of Intrapulmonary Neoplasms in Childhood	10.35.46.35	Image Quality and Reduce Dose by 50-66% Amy K. Hara, MD		Pulmonary Nodules: Current Status Joachim E. Wildberger, MD, PhD
4:35-4:45	Beverley Newman, BSc, MBBCh, FACR MDCT: The Right Choice for Infants with Complex Congenital Heart Disease?	10:25-10:35	Low Dose CT Examinations in Crohn's Disease: Image Quality and Radiation Dose Dushyant Sahani, MD	7:40-7:50	Lung Cancer Staging on MDCT: The Essentials Ann N. Leung, MD
4:45-4:55	S. Bruce Greenberg, MD Effective CT Angiography in Cavopulmonary Anastomoses	10:35-10:45	Potential and Pitfalls of Routine Low Dose Body CT Using Adaptive Statistical Iterative Reconstruction (ASIR)	7:50-8:00	New Staging and Implications for Lung Cancer Johnny Vlahos, BSc, MBBS, MRCP, FRCR
4:55-5:05	Beverley Newman, BSc, MBBCh, FACR The Role of CTA and MRA for Evaluation of	10:45-10:55	Amy K. Hara, MD CT Enterography	8:00-8:10	Adenocarcinoma: Can CT Morphology Predict Prognosis?
	Vascular Malformations in Children S. Bruce Greenberg, MD	10:55 -11:05	Michael Federle, MD From Diverticulosis to Frank Perforation:	8:10-8:20	Ann N. Leung, MD Large Airways Disease: Is There a Role for
5:05-5:15	Imaging of Wilms Tumors and Wilms Mimickers Richard A. Barth, MD		Staging Diverticular Disease Patrik Rogalla, MD		Dynamic CT Imaging? Justus E. Roos, MD

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8:20-8:30	Lung Ventilation: AUC is the Key	SESSION XI:	VASCULAR		Preliminary Clinical Experience
8:30-8:40	Patrik Rogalla, MD Lobar Quantification of Lung Perfusion and Emphysema with Dual-Source CT in COPD	Moderator 2:35-2:45	Dominik Fleischmann, MD CTA with Low Dose Iodine Jonas Rydberg, MD	9:10-9:20	Tony DeFrance, MD, FACC Cardiac CT Artifacts: Now What Do I Do? Shawn D. Teague, MD
	Patients Martine Rémy-Jardin, MD, PhD	2:45-2:55	Gating Thoracic Aortic CTA: Pros and Cons Vijendra Rao, MD	9:20-9:30	Is That Stenosis Significant? Insights from CORE-64
8:40-8:50	ILD Assessment: Volumetric or Non-	2:55-3:05	"Step and Shoot" CTA of the Aorta with		Julie M. Miller, MD, FACC
	Contiguous CT Acquisition? Ann N. Leung, MD	2.55 5.05	Full Field of View	9:30-9:40	Discussion/Q & A
8:50-9:00	Lung Perfusion Imaging with Dual-Source	3:05-3:20	Jonas Rydberg, MD Coffee Break & View Exhibits	9:40-9:50	Coffee Break and View Exhibits
	CT in the Management of Acute Pulmonary	3:20-3:30	In Search of the Intimomedial Flap:	SESSION XIII: Moderator	CARDIAC II: NON-ISCHEMIC CARDIAC CT Geoffrey D. Rubin, MD
	Embolism Martine Rémy-Jardin, MD, PhD		Unusual Type A Dissections	9:50-10:00	Starting a Cardiac Program
9:00-9:10	Optimized Use of Indirect CT-Phlebography	3:30-3:40	Dominik Fleischmann, MD Imaging the Aorta After Trauma		Jaydip Datta, MD
	in Suspected Pulmonary Embolism Joachim E. Wildberger, MD, PhD	3.30 3.10	Charles S. White, MD	10:00-10:10	Cardiac CT for Electrophysiology Procedures: Current Status and Future
9:10-9:20	Cardiothoracic Manifestations of Cirrhosis	3:40-3:50	Complicated Type B Dissections Dominik Fleischmann, MD		Trends Jeffrey B. Mendel, MD
9:20-9:30	Michael Federle, MD Ultrahigh Temporal Resolution for	3:50-4:00	Velocity Compensated Aortoiliac CTA	10:10-10:20	Pulmonary Vein Imaging: How the
9:20-9:50	Integrated Cardiothoracic Imaging in 2009	4.00 4.10	W. Dennis Foley, MD CTA of the Mesenteric Arcade: Non-		Electrophysiologist Uses the Data
0.20.0.40	Martine Rémy-Jardin, MD, PhD	4:00-4:10	Neoplastic Diseases	10:20-10:30	Shawn D. Teague, MD Atrioesophageal Fistula Following
9:30-9:40	CT of the Breast: Incidental to Interventional		Elliot K. Fishman, MD	10.20 10.30	Catheter Ablation for Atrial Fibrillation
	Jeffrey B. Mendel, MD	4:10-4:20	The Deep Inferior Epigastric Perforator (DIEP): Vascular Mapping and Plastic		(Imaging Features) Margaret Lin, MD
9:40-9:55	Discussion/Q & A		Surgery	10:30-10:40	Congenital Aberrant Coronary Arteries -
9:55-10:15	Coffee Break & View Exhibits	4.20 4.20	W. Dennis Foley, MD		What is Lethal, What is Not
SESSION IX: Moderator	NEURO Greg Zaharchuk, MD, PhD	4:20-4:30	Dual Energy CT for Aortic Stent Graft Surveillance	10:40-10:50	Frandics Chan, MD, PhD MDCT Imaging of Adult Congenital Heart
10:15-10:25	Navigating the Head and Neck on PET/CT		Harold Litt, MD, PhD	10:40-10:50	Disease
	Andrew Quon, MD	4:30-4:40	Dynamic CTA of the Lower Extremities Konstantin Nikolaou, MD		Harold Litt, MD, PhD
10:25 -10:35	Is CT Brain Perfusion as Useful as MRI in Acute Stroke?	4:40-5:00	Discussion/Q & A	10:50-11:00	Morphologic and Functional Imaging of the Right Ventricle in Thoracic Diseases
	Greg Zaharchuk, MD, PhD				Martine Rémy-Jardin, MD, PhD
10:35-10:45	Suspected Acute Cerebral Ischemia: When Should CTA and/or Perfusion Be a Part of		AY 22, 2009	11:00-11:10	Non-Gated MDCT in the Initial Evaluation of Pulmonary Arterial Hypertension
	the Protocol?	6:30-7:00 am	Registration, Check-In, and Continental Breakfast		Johnny Vlahos, BSc, MBBS, MRCP, FRCR
	Stuart R. Pomerantz, MD	SESSION XII:	CARDIAC I: TECHNIQUE, INDICATIONS, AND	11:10-11:20	MDCT Imaging in Infective Endocarditis
10:45-10:55	Whole Brain CT Perfusion Using a 320- Detector Row Scanner	JEJJION XII.	INTERPRETATION	11:20-11:30	Teran W. Colen, MD CABG: Does Your Report Make Sense?
	Srini Mukundan, MD, PhD	Moderator	Geoffrey D. Rubin, MD		Claudio M. Smuclovisky, MD
10:55-11:05	Whole Brain Perfusion with Adaptive Spiral CT	7:00-7:10	Radiation Risk at Cardiac CT: Setting the Record Straight U. Joseph Schoepf, MD	11:30-11:40	Cardiac CT- Importance of Incidental Findings
11:05-11:15	Konstantin Nikolaou, MD Neuro-CTA Protocol Optimizations: Bolus	7:10-7:20	Reducing Radiation on Cardiac CT	11:40-11:50	Charles S. White, MD Reporting of Coronary Angiography: What
	Shaping, Radiation Reduction, and	7:20-7:30	James P. Earls, MD Coronary CT Angiography at Lowered		Cardiologists Want
	Improved Spatial Resolution Stuart R. Pomerantz, MD	7.20-7.30	Voltages Saves Dose Without Loss of	11·50-12·00 pm	Julie M. Miller, MD, FACC Discussion/Q & A
11:15-11:25	4D Dynamic CTA of the Entire Brain Using		Image Quality	12:00-1:25	Lunch
	a 320-Detector Row Scanner Srini Mukundan, MD, PhD	7:30-7:40	Willi A. Kalender, PhD Cardiac CT and Radiation Reduction Using		CARDIAC III: MYOCARDIAL ISCHEMIA AND
11:25-11:35	Neurovascular CTA: Applying the	7.50 7.10	Adaptive Statistical Iterative		CORONARY CTA
	"Ultrasound" Model for Efficient 3D Post- Processing and Interpretation		Reconstruction James P. Earls, MD	Moderator 1:25-1:35	Geoffrey D. Rubin, MD Atherosclerosis vs. Perfusion Imaging
	Stuart R. Pomerantz, MD	7:40-7:50	Radiation Dose Reduction in a Multi-Site	1.23 1.33	Richard T. George, MD
11:35-11:45	Comparison of Multidetector CTA and MRI		Cardiac CT Angiography Statewide	1:35-1:45	Adenosine-Stress Dual Energy CT Imaging
	for Evaluating Dissection of the Cervical Arteries		Registry Gilbert Raff, MD		of Myocardial Ischemia U. Joseph Schoepf, MD
	Greg Zaharchuk, MD, PhD	7:50-8:00	Prospectively Gated Cardiac CT:	1:45-1:55	CT Perfusion Imaging: Challenges and
	Discussion/Q & A		Experience from 3000 Scans James P. Earls, MD		Pitfalls Richard T. George, MD
12:00-1:30 SESSION X:	Lunch	8:00-8:10	Prospective Gated Acquisition: Experience	1:55-2:05	320 Row Detector CT: Advantages for CT
Moderator	TRAUMA/MUSCULOSKELETAL Christopher F. Beaulieu, MD, PhD		with >200 Patients Claudio M. Smuclovisky, MD		Perfusion Imaging Richard T. George, MD
1:30-1:40	Musculoskeletal MDCT: Simple but	8:10-8:20	Importance of Beta Blockers with Dual	2:05-2:15	Is Coronary Calcium Measurement
	Effective Protocols Christopher F. Beaulieu, MD, PhD		Source CT		Obsolete?
1:40-1:50	Maximizing Radiation Dose Reduction and	8:20-8:30	Konstantin Nikolaou, MD High-Pitch Cardiovascular CT on a New	2:15-2:25	Geoffrey D. Rubin, MD Warranty Period of Calcium Scores
	Image Quality: Strategies for Pediatric MSK MDCT	0.20 0.30	Dual Source Scanner: Ready for Prime	2.13 2.23	James K. Min, MD
	John D. MacKenzie, MD		Time? Anno Graser, MD	2:25-2:35	Coronary CTA - The Non-Invasive
1:50-2:00	MDCT in Sports Injuries: What's the Point?	8:30-8:40	Preliminary Experience with High		Cardiovascular Imager's Perspective João A. C. Lima, MD
2:00-2:10	Christopher F. Beaulieu, MD, PhD Common Pitfalls in MSK MDCT in the		Definition Computed Tomography	2:35-2:45	Cost Effectiveness of Cardiac CT in Patients
2.00-2.10	Growing Skeleton	8:40-8:50	James K. Min, MD Tips and Tricks: How to Read Even the Most		Without Known CAD James K. Min, MD
2.10.2.20	John D. MacKenzie, MD	000.00	Complicated CCTA in 10 Minutes or Less	2:45-2:55	Zero Calcium Score in a Symptomatic
2:10-2:20	Align the Spine! 3D Post-Processing Techniques for the Challenging Spine	8:50-9:00	Claudio M. Smuclovisky, MD Cardiac CT with Wide Area Detectors:		Patient
	Examination	0.50-9:00	Acquisition Strategies	2:55-3:10	João A. C. Lima, MD Discussion/Q & A
2:20-2:35	Stuart R. Pomerantz, MD Discussion/Q & A	0.00 0.10	Mathias Prokop, MD	3:10-3:30	Coffee & View Exhibits
2.20 2.55		9:00-9:10	Cardiac CT with a 320-row Scanner:		

3.30-3.40	3D Lab - Coronary Arteries Jaydip Datta, MD
3:40-3:50	Quantifying Atherosclerotic Burden in the CorE 64 Study João A. C. Lima, MD
3:50-4:00	Is There Evidence that Cardiac CT Angiography is Effective in Triage of Patients to Invasive Angiography? Gilbert Raff, MD
4:00-4:10	Setting Up an ED Coronary CT Program Harold Litt, MD, PhD
4:10-4:20	The Lessons of the CT-STAT Trial: A Multicenter Study of Cardiac CT Angiography for Diagnosis of Acute Chest Pain Gilbert Raff, MD
4:20-4:30	Evaluation of Restenosis and Other Problems with Stents Claudio M. Smuclovisky, MD
4:30-4:40	Variability of Diagnostic Accuracy Studies Julie M. Miller, MD, FACC
4:40-4:50	The Politics of Cardiac CTA Tony DeFrance, MD, FACC

Reading and Reporting Cardiac CT with a

Registration and check-in will be available from 3:00-5:00 pm on Monday, May 18th, and will continue at 6:30 am on Tuesday, May 19th, 2009.

Case Conference with the Professor Sessions at MDCT:

Discussion/Q & A

4:50-5:00

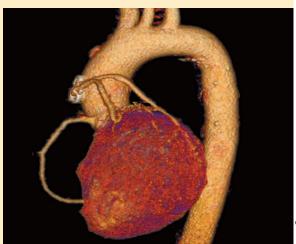
Tuesday, May 19th	Speaker	Topic
7:30-8:45 am	F. Chan, MD, PhD	Cardiac
9:35-10:50 am	F. Chan, MD, PhD	Cardiac
11:00-12:15 pm	A. Leung, MD	Chest
1:40-2:55 pm	A. Leung, MD	Chest
Wednesday, May 20th	Speaker	Topic
7:15-8:30 am	G. Gold, MD	Musculoskeletal
8:45-10:00 am 10:30-11:45 am	G. Gold, MD D. Fleishmann, MD	Musculoskeletal Vascular
10:50-11:45 dill	D. Fleishmann, MD	Vasculai
Thursday, May 21st	Speaker	Topic
7:15-8:30 am	M. Federle, MD	Abdomen
8:45-10:00 am	D. Fleishmann, MD	Vascular
10:30-11:45 am	M. Federle, MD	Abdomen
1:30-2:45 pm	G. Zaharchuk, MD, PhD G. Zaharchuk, MD, PhD	Neuro Neuro
3:25-4:40 pm		

Registrants are invited to sign up for case conference sessions on line in advance or on site at the conference, based on availability for more information, please visit:

http://radiology.cme.stanford.edu/2009mdt/Case

http://radiologycme.stanford.edu/2009mdct/Case_Conference.html

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