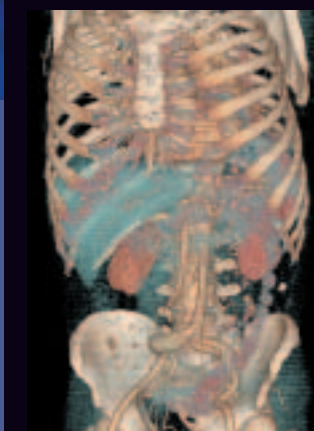
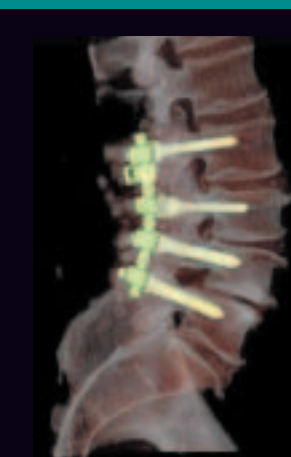


9th Annual International Symposium on

Multidetector-Row CT

Course Directors: Gary M. Glazer, M.D., Geoffrey D. Rubin, M.D.



June 13-16, 2007

Hyatt Regency

San Francisco, CA

Program Highlights

- **Over 65 World-Renowned Speakers, 167 Lectures**
- **Hot Topics Presented in Highly Focused Ten Minute Lectures**
- **Includes Special Cardiovascular Seminar, Saturday, June 16th. Day rate available.**
- **Hands-On Workstation Training**
Learn techniques for post processing in one-on-one sessions available throughout the course
- **Relevant and Extensive Exhibits**
Manufacturers of all major equipment, workstations and contrast plus book vendors.
- **5th Annual Original Workstation Face-Off**



STANFORD
SCHOOL OF MEDICINE

Stanford University Medical Center

Location & Course Objectives

Located on the scenic Embarcadero waterfront, the four-star Hyatt Regency San Francisco is part of a newly renovated eight-block Embarcadero Center business and shopping complex, centrally located in the financial district. The hotel is convenient to Fisherman's Wharf, Chinatown, Union Square, Ghiradelli Square, North Beach, shopping, dining, and entertainment. The Hyatt Regency boasts 805 guest rooms in the 17-story atrium building, each with a view of the city or the San Francisco Bay. Every room comes equipped with voicemail, computer dataports, and high speed wireless Internet access. The hotel also features a fully equipped fitness center and Equinox, a revolving restaurant and lounge on top of the Hyatt. Completing a full revolution every 45 minutes, there is no better place to enjoy the beauty of the San Francisco skyline.

Discounted group rates of \$214.00 per night have been reserved for our conference participants. This rate is for single or double occupancy, and is subject to tax. To receive this special rate, please make your reservation no later than **May 25, 2007**. **After May 25th, our group discount cannot be guaranteed and may sell out before the cut-off date.** Don't be disappointed by waiting too long – reserve your room now by calling the Hyatt Regency San Francisco at 1-800-720-0049 or (415) 788-1234 or book online at <http://sanfranciscohyattregency.com/> (group code: G-STAN). The Hyatt Regency San Francisco is located at 5 Embarcadero Center, at the corner of Market and Drumm Streets in San Francisco, California.

Travel and Transportation

Special airfare and discount car rentals: Palo Alto Village Travel has been chosen as the official travel agency for this conference. Palo Alto Village Travel's knowledgeable staff are at your service Monday-Friday, 8:30am-5:30pm PST. Call Palo Alto Village Travel at 1-800-245-3260 (within U.S. or Canada) or (650) 326-0510.

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 1417SS.

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

Call Hertz Car Rental at 1-800-654-2240 and refer to CV # 01YN0013.

Call Avis Car Rental at 1-800-331-1600, and refer to AWD # D004951.

Course Objectives

This course is intended for radiologists, medical imaging scientists, radiology technologists, nurses, physician assistants and non-radiologist Physicians interested in CT technology and its applications.

Saturday, June 16th sessions are focused on vascular and cardiac imaging and are geared to radiologists, cardiologists and cardiac surgeons.

Topics included – The course includes specific sessions on: principles of MDCT, radiation exposure, contrast medium, pediatric applications, neuro applications, musculoskeletal applications, workflow/image processing, chest applications, PET and functional CT, abdomen applications, vascular applications and cardiac applications.

Accreditation

Stanford University School of Medicine is accredited by the Accreditation Council for Continuing Medical Education to sponsor continuing medical education for physicians.

Stanford University School of Medicine designates this continuing medical education activity for up to **37 AMA PRA Category 1 Credits™**, provided it is completed as designed.

Technologists: ARRT Category A CEU credit has been applied for. Please visit our website for an update on number of credit hours confirmed.

Program

Wednesday, June 13, 2007

By Appointment: Sign Up for Workstation Training
<http://radiologycme.stanford.edu/dest/workstation.htm>
Exhibits and Pavilions open all day

6:30-7:00 am Registration, Check-In, Continental Breakfast and View Exhibits

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 Building Blocks of MDCT: The Big Picture
Geoffrey D. Rubin, MD

7:30-7:40 High Definition MDCT: Initial Clinical Experience
W. Dennis Foley, MD

7:40-7:50 Advanced Sampling Strategies for High Spatial Resolution and Reduced Aliasing Artifacts
Norbert J. Pelc, ScD

7:50-8:00 Dual Source CT: How Does it Work and What Can it Do?
Cynthia H. McCollough, PhD

8:00-8:10 Unattainable?
Willi Kalender, PhD

8:10-8:20 256-row CT: Challenges and Advantages for Clinical Implementation
Kazuhiro Katada, MD

8:20-8:30 Volumetric Inverse Geometry CT (IGCT) With a Large Field-of-View
Norbert J. Pelc, ScD

8:30-8:40 C-arm CT Imaging: Image Quality and Dose Considerations
Rebecca Fahrig, MD

8:40-8:50 Introducing Advanced MDCT Clinical Applications in Your Practice: Understanding the Gap
Jay Cinnamon, MD

8:50-9:00 Introducing Advanced MD-CT Clinical Applications in Your Practice: Strategic Planning and Pragmatic Implementation
Jay Cinnamon, MD

Session II: Radiation Exposure
Moderator **Geoffrey D. Rubin, MD**

9:00-9:10 CT of the Pregnant Patient: When to Worry About Fetal Dose
Cynthia H. McCollough, PhD

9:10-9:20 Dose Considerations for Dual Source CT Systems
Willi Kalender, PhD

9:20-9:30 Radiation Dose in Cardiac Imaging: How Does CT Compare?
Cynthia H. McCollough, PhD

9:30-9:40 Significant Dose Reduction in Coronary CTA Using Prospectively ECG-Gated Axial "Step and Shoot" Scans (SnapShot Pulse™) with 64-Slice MDCT
Sachio Kuribayashi, MD

9:40-10:00 Discussion
Coffee Break & View Exhibits

Session III: Contrast Medium Delivery and Risk Management

Moderator **Dominik Fleischmann, MD**

10:20-10:30 Early Arterial Contrast Medium Dynamics: The Facts and the Myths
Justus E. Roos, MD

10:30-10:40 How Fast Can and Should Contrast Medium Be Injected?
Dominik Fleischmann, MD

10:40-10:50 Cardiac CTA: Bolus Shaping and Physiologic Contrast Saline Mixing in the SVC
W. Dennis Foley, MD

10:50-11:00 Trigger, Shape, and Flush (From the Right!): Key Strategies to Optimize Contrast Bolus Administration in Neuro-CTA
Stuart R. Pomerantz, MD

11:00-11:10 Integrated Scanning and Injection Protocols: The Paradigm Shift with 64-Channel MDCT
Dominik Fleischmann, MD



11:10-11:20 Is it Necessary to Hydrate Patients with Chronic Kidney Disease Before Contrast Enhanced CT Exams?
Richard Solomon, MD

11:20-11:30 Contrast-Induced Nephropathy: Efficacy of Intra-Renal Delivery of Prophylactic Vasodilators and Anti-Oxidant Therapy
James A. Tumlin, MD

11:30-11:40 pm Update on Contrast Agents and Nephrotoxicity: Results of the Latest Clinical Trials
Richard Solomon, MD

11:40-11:50 Nephrogenic Sclerosing Fibrosis: A Nephrologist Perspective in a Rare and Complicated Disorder.
James A. Tumlin, MD

11:50-12:05 Discussion
12:05-1:35 Lunch Break

Session IV: Pediatrics
Moderator *Richard A. Barth, MD*

1:35-1:45 Pediatric CT Should Be Carried Out at Lower Energies
Willi Kalender, MD

1:45-1:55 Roles and Risks of General Anesthesia in Children Undergoing Cardiac CT
Francis Chan, MD, PhD

1:55-2:05 Challenges of MDCT in Congenital Heart Disease
Dianna M. E. Bardo, MD

2:05-2:15 MDCTA for the Follow Up of Congenital Heart Disease
S. Bruce Greenberg, MD

2:15-2:25 Unsuspected Pathology Discovered on ECG-Gated 64-Detector-Row MDCT in Patients with Congenital Heart Disease
John Hauschildt, MD

2:25-2:35 MDCTA in Children Other Than Congenital Heart Disease
S. Bruce Greenberg, MD

2:35-2:45 Thymus – Normal and Abnormal
Beverly Newman, Bsc, MB, BCh, FACR

2:45-2:55 Modern Work-Up of Possible Vascular Rings and Slings – One-Stop Shopping Using MDCT
John Hauschildt, MD

2:55-3:05 MDCT for Congenital Anomalies (How to Use CT to Evaluate Anomalies of the Airway, Bones, etc.)
S. Bruce Greenberg, MD

3:05-3:15 CT Imaging for Pulmonary Infection in Childhood
Beverly Newman, Bsc, MB, BCh, FACR

3:15-3:25 The Role of CT in Diagnosis of UPJ Obstruction
Richard A. Barth, MD

3:25-3:35 Congenital Lung Anomalies – Understanding Hybrid Lesions
Beverly Newman, Bsc, MB, BCh, FACR

3:35-3:45 CT Versus Psychiatric Treatment in Girls with Urinary Dribbling
Richard A. Barth, MD

3:45-4:00 Discussion
4:00-4:20 Coffee Break & View Exhibits

Session V: Trauma/Musculoskeletal
Moderator *Christopher F. Beaulieu, MD, PhD*

4:20-4:30 Optimizing MCCT of the Musculoskeletal System
Lawrence N. Tanenbaum, MD, FACR

4:30-4:40 Musculoskeletal MDCT: Simple But Effective Protocols
Christopher F. Beaulieu, MD, PhD

4:40-4:50 VR of the Soft Tissues: Techniques and Pathology
Elliot K. Fishman, MD

4:50-5:00 Important Issues in the Characterization of Hip and Pelvis Fractures
Garry E. Gold, MD

5:00-5:10 Extremity CT Angiography in Trauma: Benefits of 64 MDCT
Jorge A. Soto, MD

5:10-5:20 The Temporal Dimension: Value of Delayed Imaging in MDCT of Trauma and Abdominal Pathology
Terry S. Desser, MD

5:20-5:30 MDCT of Active Arterial Bleeding Post-Trauma: The Clinical Significance of an Expanding Hematoma
R. Brooke Jeffrey, MD

5:30-5:40 MDCT of Diaphragmatic Rupture
Terry S. Desser, MD

5:40- Discussion

Thursday, June 14, 2007

By Appointment: Sign Up for Workstation Training
<http://radiologycme.stanford.edu/dest/workstation.htm>
Exhibits and Pavilions open all day

6:30-7:00 am Registration, Check-In, Continental Breakfast and View Exhibits

Session VI: Abdomen I: Liver, Pancreas, and Kidneys
Moderator *R. Brooke Jeffrey, MD*

7:00-7:10 Microangiopathic Changes in the Liver and their Impact on Contrast Enhancement
Dushyant Sahani, MD

7:10-7:20 MDCT of the Biliary Tree: What is the Role?
Michael Macari, MD

7:20-7:30 CT Perfusion Imaging Outside Stroke
Mathias Prokop, MD

7:30-7:40 Perfusion CT of the Liver and Tumor Angiogenesis
Dushyant Sahani, MD

7:40-7:50 Imaging of the Liver Post RF Ablation – The Good, the Bad and the Ugly
Darren Brennan, MD

7:50-8:00 MDCT of the Pancreatic Duct
Jorge A. Soto, MD

8:00-8:10 Islet Cell Tumors of the Pancreas: Spectrum of MDCT Findings
R. Brooke Jeffrey, MD

8:10-8:20 Can We Make a Confident Diagnosis of a Cystic Pancreatic Lesion at MDCT?
Michael Macari, MD

8:20-8:30 “The Virtual Whipple” – The Use of MDCT and Advanced Rendering for Comprehensive Preoperative Assessment of the Pancreas
Darren Brennan, MD

8:30-8:40 MDCT Renal Cell Cancer Imaging: Monitoring Antiangiogenetic Therapy – Including Perfusion CT Applications
Anno Graser, MD

8:40-8:50 CT Urography
F. Graham Sommer, MD

8:50-9:00 MDCT with CTA and CT Urography for Evaluation of Transitional Cell Carcinoma
Elliot K. Fishman, MD

9:00-9:10 Is There a Need for Dual Energy CT in Abdominal Imaging?
Anno Graser, MD

9:10-9:25 Discussion
9:25-9:40 Coffee Break & View Exhibits

Session VII: Abdomen II: Bowel
Moderator *Christopher F. Beaulieu, MD, PhD*

9:40-9:50 When to Use Positive and Neutral Oral Contrast at CT Enterography
Michael Macari, MD

9:50-10:00 CT Enterography – 3D Workstation Interpretation
Matthew A. Barish, MD

10:00-10:10 Potential Pitfalls of CT Enterography
Michael Macari, MD

10:10-10:20 Acute Abdominal Pain with 64 MDCT: Is Oral Contrast Necessary?
Jorge A. Soto, MD

10:20-10:30 Subtle Bowel and Mesenteric Injuries on MDCT
R. Brooke Jeffrey, MD

10:30-10:40 Tips for Acquiring CT Colonograms
Patrik Rogalla, MD

10:40-10:50 Minimal Preparation CT Colonography: Definitions and Issues for Implementation
Michael Zalis, MD

10:50-11:00 Advanced Visualization Techniques in Virtual Colonoscopy
Matthew A. Barish, MD

11:00-11:10 Advanced Electronic Cleansing for Non-Cathartic Multi-Detector CT Colonography
Michael Zalis, MD

11:10-11:20 Why CAD Will Be Important in CT Colonography Interpretation
Christopher F. Beaulieu, MD, PhD

11:20-11:30 Computer Aided Detection in Non-Cathartic Multi-Detector CT Colonography
Michael Zalis, MD

11:30-11:40 Reducing False Positives in Virtual Colonoscopy Interpretation
Matthew A. Barish, MD

11:40-11:50 CT Colonography: Key Recent Studies
Christopher F. Beaulieu, MD, PhD

11:50-12:00 pm The Munich Colorectal Cancer Prevention Trial
Anno Graser, MD

12:00-12:15 Discussion
12:15-1:45 Lunch Break

Session VIII: Workflow/Image Processing
Moderator *Geoffrey D. Rubin, MD*

1:45-1:55 Software Guided Evaluation of Tumor Response (WHO, RECIST, Perfusion, PET, etc...)
Christoph R. Becker, MD

1:55-2:05 Tips for Quality Assurance in Post Processing
Laura Pierce, MPA, RT(CT)

2:05-2:15 3D-Lab in a Community Radiology Practice
Jay Cinnamon, MD

2:15-2:25 3D Techs - Now That You've Trained Them, How Do You Retain Them?
Laura Pierce, MPA, RT(CT)

2:25-2:35 Client Server Models: Impact on Operations
Elliot K. Fishman, MD

2:35-2:45 Effective Networking: the Critical Pathway From Scan to Report
Paul J. Chang, MD

2:45-2:55 Advanced Processing Functions – Separate Workstations vs. PACS Integration: How to Choose
Jeffrey B. Mendel, MD

2:55-3:05 3D Workstations in the PACS Environment One Year Later: Are There Any Dirty Little Secrets Left?
Bart L. Dolmatch, MD

3:05-3:15 What Should We Expect From PACS and 3D Workstations in the Next Three Years
Paul J. Chang, MD

3:15-3:25 Future Visualization Tools
Sandy Napel, PhD

3:25-3:40 Discussion
3:40-3:55 Coffee Break & View Exhibits
3:55-6:25

5th Annual Workstation Face-Off: View and Compare How Each Major Workstation Can be Used for Visualization of 3D Data Sets
Geoffrey D. Rubin, MD

Friday, June 15, 2007

By Appointment: Sign Up for Workstation Training
<http://radiologycme.stanford.edu/dest/workstation.htm>
Exhibits and Pavilions open all day

6:30-7:00 am Registration, Check-In, Continental Breakfast and View Exhibits

Session IX: Chest
Moderator *Ann N. Leung, MD*

7:00-7:10 Small Pulmonary Nodules: A Pragmatic Approach to Management
Ann N. Leung, MD

7:10-7:20 Perifissural Lung Nodules – What to Make of Them?
Cornelia Schaefer-Prokop, MD

7:20-7:30 Ground Glass Nodules: What are They and Should They be Managed Differently than Solid Nodules?
Ella A. Kazerooni, MD, MS

7:30-7:40 Lung Cancer Screening: Is Mortality Affected?
Ann N. Leung, MD

7:40-7:50 What is the Significance of Pulmonary Nodules in Patients with Extrathoracic Malignancy
Fergus Gleeson, FRCP, FRCR

7:50-8:00 Is Lung Nodule CAD Finally Ready for Prime Time?
Jeffrey B. Mendel, MD

8:00-8:10	Lung CAD: When is it Enough and When is it Too Much? Justus E. Roos, MD	2:45 -2:55	MDCT vs. MR in Assessment of Craniocervical Dissection Nancy J. Fischbein, MD	8:20-8:30	Dual Source CT Coronary Artery Angiography: Do We Still Care about High Heart Rates? Roman Fischbach, MD
8:10-8:20	Do Radiologists Benefit From Lung CAD Equally? Geoffrey D. Rubin, MD	2:55-3:05	CTA of Blunt Neck Trauma: When is it Indicated? Michael H. Lev, MD	8:30-8:40	Temporal Resolution for Non-Invasive Coronary Imaging: How Much Do We Need? Martin H. K. Hoffmann, MD
8:20-8:30	Nodule Evaluation: When is PET Useful? Ann N. Leung, MD	3:05-3:15	Unraveling the Twisted Spine: Advanced MDCT Post-Processing Techniques for Degenerative & Traumatic Spinal Disease Stuart R. Pomerantz, MD	8:40-8:50	The Value of Whole Organ Coverage for Cardiac Imaging Martin H. K. Hoffmann, MD
8:30-8:40	How to Determine Significant Growth of a Pulmonary Nodule Cornelia Schaefer-Prokop, MD	3:15-3:30	Discussion	8:50-9:00	Coronary CT Angiography Using 256-Rows Area Detector CT Kazuhiro Katada, MD
8:40-8:50	The Ins and Outs of Long Nodule Volumetry for Differentiating Between Benign and Malignant Disease Mathias Prokop, MD	3:30-3:45	Session XI: Vascular Moderator Dominik Fleischmann, MD	9:00-9:10	Cardiac 256 MDCT: Early Experience at Johns Hopkins Hospital Joao A. C. Lima, MD
8:50-9:00	Does Growth Reflect Malignant Potential in Pulmonary Nodules Detected on CT Fergus Gleeson, FRCP, FRCR	3:45-3:55	Velocity Compensated CTA of the Thoracoabdominal Aorta W. Dennis Foley, MD	9:10-9:20	How I Read a Coronary CTA Geoffrey D. Rubin, MD
9:00-9:15	Discussion	3:55-4:05	Subtraction CT Angiography with 256-Rows Area Detector CT Kazuhiro Katada, MD	9:20-9:35	Discussion
9:15-9:30	<i>Coffee Break & View Exhibits</i>	4:05-4:15	Arterial Occlusive Disease: Gadolinium-Enhanced MR, Unenhanced MR, or Minimal Iodine Dose CT in Patients with Stage 4 Renal Failure Robert J. Herfkens, MD	9:35-9:50	<i>Coffee Break and View Exhibits</i>
9:30-9:40	Volume HRCT vs. Discontinuous HRCT of the Lung: Where is the Added Value? Cornelia Schaefer-Prokop, MD	4:15-4:25	Aortic Dissection: What is Type A, What is Type B, and Why is it Not Enough? Dominik Fleischmann, MD	Session XIII: Cardiac I: Cardiac PET/CT and Non-Coronary Applications Moderator Geoffrey D. Rubin, MD	
9:40-9:50	What's New in CT for Pulmonary Embolism? U. Joseph Schöpf, MD	4:25-4:35	Aortic Inflammatory Conditions: What are They and What are the CTA Findings? Bart L. Dolmatch, MD	9:50-10:00	Cardiac PET/CT: The True One-Stop-Shop? Marcelo F. Di Carli, MD
9:50-10:00	Pulmonary Hypertension Insights from MDCT Hiroto Hatabu, MD, PhD	4:35-4:45	Ulcer-Like Lesions of the Aorta Dominik Fleischmann, MD	10:00-10:10	Contrast Material, Breathing, and Heart Beat: Why PET-CT of the Heart is More Complicated than CT and PET of the Heart Roman Fischbach, MD
10:00-10:10	How to Maximize Contrast Enhancement in CT Pulmonary Angiography: Mitigating the PFO Effect Ella A. Kazerooni, MD, MS	4:45-4:55	CTA of Endoleaks Terri J. Vrtiska, MD	10:10-10:20	Myocardial Perfusion by Cardiac CTA James K. Min, MD
10:10-10:20	MDCT for the Breast: Adjunct to Breast MRI Jeffrey B. Mendel, MD	4:55-5:05	CT Venography: Methods, Indications, and Applications Anne Chin, MD	10:20-10:30	Evaluation of CAD: Anatomy or Perfusion? Marcelo F. Di Carli, MD
10:20-10:35	Discussion	5:05-5:15	Renal Artery CTA: Donors to Dissections Terri J. Vrtiska, MD	10:30-10:40	Assessment of Global and Regional Cardiac Function Using Dual Source CT: Are We There? Roman Fischbach, MD
Session X: Neuro Moderator Nancy J. Fischbein, MD		5:15-5:25	CTA/MRA of the Peripheral Vasculature: When and Where Lawrence N. Tanenbaum, MD, FACR	10:40-10:50	Method and Rationale for Aortic Valve Assessment with MDCT Elsie Nguyen, MD, FRCPC
10:35-10:45	The Radiological Evaluation of Cerebrovascular Disease: When to Use MRA, US, CTA, Catheter Angiography? Jay Cinnamon, MD	5:25-5:35	Dual Energy CTA of Supraaortic Arteries and Arteries of the Lower Extremity Christoph R. Becker, MD	10:50-11:00	Structured Cardiac CT Report Part Three: Cardiac Function Ella A. Kazerooni, MD, MS
10:45-10:55	Speed Bumps: Diagnostic Risks with 64-Slice Speed Megan K. Strother, MD	5:35-5:45	Dual Energy CT of Peripheral Arterial Disease with Single-Source 64-Slice MDCT Sachio Kuribayashi, MD	11:00-11:10	MDCT Prior to Ablation of Atrial Fibrillation: What is Important? James K. Min, MD
10:55-11:05	State-of-the-Art Neuro-CTA in a High Volume Clinical Practice: Using a 3D Lab to Realize the "Ultrasound" Workflow Paradigm Stuart R. Pomerantz, MD	5:45-6:05	Discussion	11:10-11:20	The Use of MDCT in Acute Chest Pain Gilbert Raff, MD
11:05-11:15	Essentials of Neurovascular CTA Post-Processing: What's New? Michael H. Lev, MD	Saturday, June 16, 2007		11:20-11:30	MDCT for Chest Pain in the ED Charles S. White, MD
11:15-11:25	Automated 3D Post-Processing of Neuro-CTA (Bone Removal and Vessel Region Segmentation): A New Workflow Paradigm? Stuart R. Pomerantz, M.D.	<i>By Appointment: Sign Up for Workstation Training</i> http://radiologycme.stanford.edu/dest/workstation.htm Exhibits and Pavilions open all day		11:30-11:40	Triage of Patients Suspected Acute Coronary Syndrome using 64-slice MDCT Sachio Kuribayashi, MD
11:25-11:35	MDCT Assessment of Aneurysms Nancy J. Fischbein, MD	6:30-7:00 am	<i>Registration, Check-In, Continental Breakfast & View Exhibits</i>	11:40-11:50	CT-Angiographic Patterns of CAD in Patients with Acute Chest Pain Udo Hoffmann, MD, MPH
11:35-11:45	CTA/MRA Surveillance of Patients with Treated Neurovascular Disease (e.g., Clips, Coils, Stents) Lawrence N. Tanenbaum, MD, FACR	Session XII: Cardiac I: Technique, Indications, and Interpretation Moderator Geoffrey D. Rubin, MD		11:50-12:05 pm	Discussion
11:45-11:55	MDCT in dx of Dural AV Fistulas Nancy J. Fischbein, MD	7:00-7:10	Cardiac CT Protocols (Includes PT Prep, Pharmacology, and Actual Protocols) Charles S. White, MD	12:05-1:20	<i>Lunch Break</i>
11:55-12:15pm	Discussion	7:10-7:20	Prospectively Gated Axial CT: Techniques and Patient Selection James P. Earls, MD	Session XIV: Cardiac II: Coronary CTA - Detection and Characterization Moderator Geoffrey D. Rubin, MD	
12:15-1:45	<i>Lunch Break</i>	7:20-7:30	Rate Control and Radiation Protection at Cardiac 64-Slice and Dual-Source CT U. Joseph Schöpf, MD	1:20-1:30	Calcium Scoring for Coronary Risk Assessment on Non-Gated Chest CT Mathias Prokop, MD
1:45-1:55	"Vulnerable Plaque" and Stroke Risk: Under-Rated or Over-Valued? Michael H. Lev, MD	7:30-7:40	Radiation Exposure in Dual Source Cardiac CT Christoph R. Becker, MD	1:30-1:40	MDCT Measurement of Coronary Calcification in Chronic Hemodialysis Patients: Emerging Role in the Management of Secondary Hyperparathyroidism James A. Tumlin, MD
1:55-2:05	CT versus MR for Perfusion Imaging of Cerebral Ischemia Megan K. Strother, MD	7:40-7:50	Prospectively Gated Axial (PGA) Coronary CT Angiography: How to Achieve an 80% Radiation Dose Reduction with Improved Image Quality James P. Earls, MD	1:40-1:50	Structured Cardiac CT Report Part One: Calcium Scoring Ella A. Kazerooni, MD, MS
2:05-2:15	Whole Brain CT Perfusion Using 256-Rows Area Detector CT Kazuhiro Katada, MD	7:50-8:00	How to Deal with Cardiac Arrhythmia in Gated CT Acquisition Francies Chan, MD, PhD	1:50-2:00	Coronary CTA: Coronary Anatomy and Terminology – A Cardiologist's Perspective Julie M. Miller, MD, FACC
2:15-2:25	Stroke Thrombolysis Beyond 3-hours?: Patient Selection with CTA/CTP Michael H. Lev, MD	8:00-8:10	Cardiac CT Without the Need for an ECG – The Kymogram Approach Willi Kalender, PhD	2:00-2:10	Discrimination of the 'Significant' Plaque and Coronary Artery Stenosis Dianna M. E. Bardo, MD
2:25-2:35	How to Launch a Brain Attack Perfusion Program in a Community Practice Jay Cinnamon, MD	8:10-8:20	Dual Source MDCT: Its Advantages and Limitations Gilbert Raff, MD	2:10-2:20	Identification of Plaque Patterns by Coronary CTA Predicts Ischemia James K. Min, MD
2:35-2:45	To Breathe or Not to Breathe: Optimizing Air Flow and Air Contrast in MDCT of the Neck Megan K. Strother, MD			2:20-2:30	Dealing with Coronary Calcium James P. Earls, MD

Registration Form

**Stanford University School of Medicine
Department of Radiology**

9th Annual International Symposium on

Multidetector-Row CT

June 13-16, 2007

Hyatt Regency, San Francisco, California

Register and pay online at <http://radiologycme.stanford.edu>.

You can also call us toll free at 1-888-556-2230 (within U.S. or Canada), or +1 650 473 5052

or email us at radiologycme@med.stanford.edu.

You may also complete and mail/fax this

registration form to:

Stanford Radiology

Continuing Medical Education Program

480 California Avenue, Suite 301

Palo Alto, CA 94306

Fax: (650) 473-5062

Registration fees include a Multimedia DVD-ROM of the meeting presentations and panels.

Early Bird Tuition Postmarked by May 14, 2007

Practicing Physician

By May 14, 2007	After May 14, 2007
\$1,050 per person	\$1,095 per person

Scientists, Industry Representatives, Stanford Alumni/Military/Retired

By May 14, 2007	After May 14, 2007
\$950 per person	\$995 per person

Resident/Fellow/Nurse/Technologist/Physician Assistant

By May 14, 2007	After May 14, 2007
\$750 per person	\$795 per person

Saturday 6/16 Only – Special Cardiac Day Rate

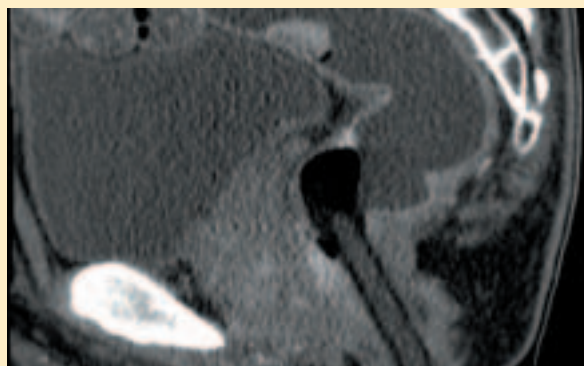
By May 14, 2007	After May 14, 2007
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- 2:30-2:40 Diagnostic Accuracy Coronary CTA
Comparing CT: Is Diagnostic Cath Dying?
Julie M. Miller, MD, FACC
- 2:40-2:50 Coronary CTA: Inter Observer Agreement
on Stenosis Sizing
W. Dennis Foley, MD
- 2:50-3:00 Prognostic Value of Cardiac CT Angiography
for Prediction of All-Cause Mortality
James K. Min, MD
- 3:00-3:10 The Detection of Coronary Artery
Stenosis by Cardiac MDCT – From Single
Center Studies to Multi Center Trials to
Clinical Reality
Udo Hoffmann, MD, MPH
- 3:10-3:20 Multicenter Clinical Trials in CTA: Why?
Julie M. Miller, MD, FACC
- 3:20-3:30 CORE64: Preliminary Results
Joao A. C. Lima, MD
- 3:30-3:45 Studies of Coronary CTA: The Missing Link
Geoffrey D. Rubin, MD
- 3:45-4:05 Discussion
- 4:05-4:15 *Coffee Break & View Exhibits*
- 4:15-4:25 Is There a Role for CTA of the Coronaries
in Asymptomatic High Risk Patients ?
Mathias Prokop, MD
- 4:25-4:35 Novel Biomarkers and Coronary Plaque
and Stenosis – What Works Better in
Patients with Acute Chest Pain?
Udo Hoffmann, MD, MPH
- 4:35-4:45 Coronary Artery Plaque Analysis: Can We
Go Beyond Calcium Quantification?
Roman Fischbach, MD
- 4:45-4:55 Plaque Imaging: What Role Will CT Play
in the Scenario of Molecular Imaging?
Martin H. K. Hoffmann, MD
- 4:55-5:05 MDCT of Cardiac Bypass Grafts and Stents
Charles S. White, MD
- 5:05-5:15 Evidence for the Appropriateness of
MDCT Use in 2007
Gilbert Raff, MD
- 5:15-5:25 Structured Cardiac CT Report Part Two:
Coronary Arteries
Ella A. Kazerooni, MD, MS
- 5:25-5:35 Extravascular Findings on CTA Exams
Terri J. Vrtiska, MD
- 5:35-5:45 Managing the Non Cardiac Part of the
Coronary CT Exam
Ella A. Kazerooni, MD, MS
- 5:45-5:55 The Wild, Wild West of Cardiac CTA
Credentialing and What Physicians Need
to Know
Bart L. Dolmatch, MD
- 5:55-6:10 Discussion
- 6:10 - To Gate or Not to Gate? That is the
Question...
Dianna M. E. Bardo, MD



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The General Session will be held in the Hyatt Regency Grand Ballroom. Pre-Registration and check-in will be held Tuesday, June 12th from 3:00 to 5:00 p.m. Registration and check-in continue on Wednesday, June 13, 2007 at 6:30 am.