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
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 double occupancy, and is subject to tax. To receive this special rate, please make your reservations 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.

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.

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.

Wednesday, June 13, 2007
By Appointment: Sign Up for Workstation Training
http://radiology.cme.stanford.edu/dest/workstation.htm Exhibits and Pavilions open all day
6:30-7:10 am Registration, Check-In, Continental Breakfast and View Exhibits
7:00-7:10 Course Welcome
Gary M. Glazer, MD
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. Pec, 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. Pec, 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 PulseTM) with 64-Slice MDCT
Sachio Kuribayashi, MD
Discussion
9:40-10:00 10:00-10:20 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
Session IV: Trauma/Musculoskeletal
Moderator: Richard A. Barth, 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 of Diabetic 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 V: Trauma/Musculoskeletal

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
Diana 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 Hauschmidt, 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
Beverley Newman, Bsc, MB, BCh, FACR

2:45-2:55
Modern Work-Up of Possible Vascular Rings and Slings – One-Stop Shopping Using MDCT
John Hauschmidt, 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
Beverley 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
Beverley 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 VI: 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
Eliot 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 Acute Diaphragmatic Rupture
Terry S. Desser, MD

5:40-5:50
Thursday, June 14, 2007
By Appointment
Sign Up for Workshop 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 VII: Abdomen II: Liver, Pancreas, and Kidneys
Moderator: R. Brooke Jeffrey, MD

7:00-7:10
Microangiopathic Changes in the Liver and their Impact on Contrast Enhancement Patterns
Dushyanth 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
Dushyanth 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 Antiangiogenic Therapy – Including Perfusion CT Applications
Anno Graser, MD

8:40-8:50
CT Urography
E. Graham Sonnmer, 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 VIII: Abdomen III: 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?
Matthew A. Barish, 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
Patric Rogaill, 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
Anna Graser, MD

12:00-12:15
Discussion

12:15-1:45
Lunch Break

Session IX: Chest
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
Lauraahna 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?
Lauraahna 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

3:40-3:50
Coffee Break & View Exhibits

3:50-3:55
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 Workshop 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 X: 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
Periferal Lung Nodules – What to Make of Them?
Cornelia Schafer-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 & Patients with Extrathoracic Malignancy
Fergus Gleeson, FRCP, FRCR

Is Lung Nodule CAD Finally Ready for Prime Time?
Jeffrey B. Mendel, MD