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 faculty!
   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 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, wide-area 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 code:G-STAN).

For more information on the Hyatt Regency San Francisco, please visit their website at http://sanfranciscohyattregency.com

TRAVEL
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 A151955.
- Call United Airlines at 1-800-654-2240, and refer to CV #01YN0015, or book online at www.hertz.com, and enter the CV number on the reservation page.
- Call Avis at 1-800-331-1600, and refer to AWD #D004951, or book online at http://www.avis.com/, and enter the AWD number on the reservation page.

TUESDAY, 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
Willi Kalender, PhD
7:50-8:00 Technical Implementations of Dual-Energy CT: Many Roads to the Same Destination?
Cynthia H. McCollough, PhD
8:00-8:10 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 Imaging System
William Pavlick, 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?
Cynthia H. McCollough, PhD
8:40-8:50 Current Status and Future Prospects of 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: RADIATION EXPOSURE
Moderator 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 Pavlick, 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 Fleischmann, MD

For more information on the Hyatt Regency San Francisco, please visit their website at http://sanfranciscohyattregency.com.
Reading and Reporting Cardiac CT with a 3D Lab - Coronary Arteries
Jaydip Datta, MD
3:40-3:50
Quantifying Atherosclerotic Burden in the Core 64 Study
Joao 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
4:50-5:00
Discussion/Q & 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:

Tuesday, May 19th
7:30-8:45 am
9:35-10:50 am
11:00-12:15 pm
1:40-2:55 pm
Speaker
F. Chan, MD, PhD
F. Chan, MD, PhD
A. Leung, MD
A. Leung, MD
Topic
Cardiac
Cardiac
Chest
Chest

Wednesday, May 20th
7:15-8:30 am
8:45-10:00 am
10:30-11:45 am
Speaker
G. Gold, MD
G. Gold, MD
D. Fleishmann, MD
Topic
Musculoskeletal
Musculoskeletal
Vascular

Thursday, May 21st
7:15-8:30 am
8:45-10:00 am
10:30-11:45 am
1:30-2:45 pm
3:25-4:40 pm
Speaker
M. Federle, MD
D. Fleishmann, MD
M. Federle, MD
G. Zaharchuk, MD, PhD
G. Zaharchuk, MD, PhD
Topic
Abdomen
Vascular
Abdomen
Neuro
Neuro

Faculty Disclosure: The Stanford University School of Medicine adheres to ACCME Essential Areas, Standards, and Policies regarding industry support of continuing medical education. Disclosure of faculty and commercial relationships will be made known prior to the activity. Speakers are required to openly disclose any limitation of data and/or any discussion of any off-label, experimental, or investigational uses of drugs or devices in their presentations.

REGISTRATION FORM
11th Annual International Symposium on MULTIDETECTOR-ROW CT
May 19-22, 2009
Hyatt Regency San Francisco

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
480 California Avenue, Suite 301
Palo Alto, CA 94306
Fax: (650) 473-5062

REGISTRATION RATES:
Early Bird Rate: Must be Postmarked by April 20, 2009
Regular Rate Applies After April 20, 2009
■■ Practicing Physician
Early-bird $1,050
Regular $1,095
■■ Stanford Alumni/Military/Retired/Scientist
Early-bird $950
Regular $995
■■ Technologist
Early-bird $750
Regular $795
■■ Resident/Fellow/Nurse/Physician Assistant
Early-bird $750
Regular $795
■■ Friday May 22nd Cardiac Day only
Early-bird $350
Regular $395

Please make your check payable to Stanford University School of Medicine. All foreign payments must be via credit card.

Name
Title (e.g. MD, PhD, RT)
Medical License Number (U.S. Physicians only)
Address
City, State, Zip & Country
Phone (Home) (Office)
Email

☐ Yes, please send me updates about Stanford Radiology courses

If you have any special ADA needs please specify:

Payment:
☐ American Express ☐ Visa ☐ Master Card ☐ Check

Account# Expiration Date

Cardholder’s Name

Note: Cancellations received in writing up to four weeks prior to the course will receive a refund minus a $75 handling fee. There will be no refunds for cancellations received after that time.