Sponsored by the NYU Post-Graduate Medical School

The Department of Radiology Presents:

1st Annual Dual Energy CT Symposium

October 9-10, 2010
New York City

Dual Energy CT (DECT) provides the radiologist with an expanded set of diagnostic capabilities that can revolutionize CT imaging. DECT provides improved lesion detection, chemical analysis of normal and pathologic tissue, and chemical mapping of anatomic regions. DECT potentially will allow significant patient dose reduction by eliminating pre-contrast scanning.

Guest Faculty:
- Glazebrook (Mayo Rochester)
- Hough (Mayo Rochester)
- Nelson (Duke)
- Panse (Mayo Scottsdale)
- Pelc (Stanford)
- Sahani (MGH)
- Schoepf (Medical University of South Carolina)

NYU Course Director:
Michael Macari, M.D.

NYU Faculty:
- Chandarana
- Macari
- Megibow
- Naidich
- Pramanik

Clinical State of the Art Body MRI

October 11-12, 2010
New York City

With over 30 lectures, designed with cross-cutting content and interactive sessions with both clinicians and physicists, this program is intended to update the registrant on advances in state of the art body MRI.

NYU Course Director:
Michael Macari, M.D.

Guest Faculty
Scott B. Reeder, M.D., Ph.D.
University of Wisconsin – Madison
**Target Audience**
Radiologists who have or are considering acquiring a DE scanner, research scientists who are looking to understand current uses of DECT to stimulate development of translational research projects and technologists who need a basis in DE terminology and concepts.

**Statement of Need/ Course Description**
This one and a half day symposium will bring together radiologists and physicists who have broad experience in day-to-day uses of Dual Energy CT in a wide variety of clinical applications. Attendees will benefit by learning how different approaches in acquiring DECT data can benefit patient care. Emphasis will be placed in integration of DE into clinical image evaluations, workflow, implications for radiation dose. Current clinical applications will be reviewed and future directions will be discussed.

**Educational Objectives**
- Describe the current utilization of dual energy CT in cardiac, thoracic, abdominal, visceral, neurovascular, musculoskeletal imaging and how different approaches to DE can be used to benefit patient care in all areas of the body.
- Evaluate the expanded set of diagnostic capabilities, improved lesion detection and significant dose reduction possible with DECT.

**Accreditation Statement**
The NYU Post-Graduate Medical School is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

**Credit Designation**
The NYU Post-Graduate Medical School designates this educational activity for a maximum of 8.50 AMA PRA Category 1 Credits™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

**Disclosure Statement**
The NYU Post-Graduate Medical School adheres to ACCME Essential Areas and Policies, including the Standards for Commercial Support regarding industry support of continuing medical education. In order to resolve any identified conflicts of interest, disclosure information is provided during the planning process to ensure resolution of any identified conflicts. Disclosure of faculty and commercial relationships as well as the discussion of unlabeled or unapproved use of any drug, device or procedure by the faculty will be fully noted at the meeting.

**Special Needs**
The Post-Graduate Medical School of the New York University School of Medicine, in compliance with the legal requirements of the Americans with Disabilities Act, requests any participant of this CME course who is in need of accommodation to submit written requests to our office at least one month prior to the course date.

**Registration Information**
You may register online or by completing the registration form on page 6.
### Saturday, October 9, 2010

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:15</td>
<td>Registration &amp; Breakfast</td>
</tr>
<tr>
<td>7:50</td>
<td>Welcome and Introduction</td>
</tr>
<tr>
<td></td>
<td>Alec J. Megibow, M.D., M.P.H., F.A.C.R.</td>
</tr>
<tr>
<td>8:00</td>
<td>Physical Basis of Dual Energy CT</td>
</tr>
<tr>
<td></td>
<td>Norbert Pelc, Sc.D.</td>
</tr>
<tr>
<td>8:45</td>
<td>The Virtual Non-Contrast Image</td>
</tr>
<tr>
<td></td>
<td>Michael Macari, M.D.</td>
</tr>
<tr>
<td>9:15</td>
<td>Questions</td>
</tr>
<tr>
<td>9:30</td>
<td>Coffee Break</td>
</tr>
<tr>
<td>9:45</td>
<td>Dual Energy Approach to Lung Disease</td>
</tr>
<tr>
<td></td>
<td>David P. Naidich, M.D.</td>
</tr>
<tr>
<td>10:15</td>
<td>Single Source Dual Energy CT of Vascular Diseases in the Thorax</td>
</tr>
<tr>
<td></td>
<td>Panse M. Prasad, M.D.</td>
</tr>
<tr>
<td>10:45</td>
<td>Dual Energy Applications in Neuro CTA</td>
</tr>
<tr>
<td></td>
<td>Bidyut K. Pramanik, M.D.</td>
</tr>
<tr>
<td>11:15</td>
<td>Questions</td>
</tr>
<tr>
<td>11:30</td>
<td>Lunch</td>
</tr>
<tr>
<td>12:45</td>
<td>Single Source Dual Energy Applications in the Upper Abdomen</td>
</tr>
<tr>
<td></td>
<td>Rendon C. Nelson, M.D.</td>
</tr>
<tr>
<td>1:15</td>
<td>Dual Source and lowkv Applications in the Upper Abdomen</td>
</tr>
<tr>
<td></td>
<td>David M. Hough, M.B., Ch.B.</td>
</tr>
<tr>
<td>1:45</td>
<td>Single Source Dual Energy Applications in the GU Tract</td>
</tr>
<tr>
<td></td>
<td>Dushyant V. Sahani, M.D.</td>
</tr>
<tr>
<td>2:15</td>
<td>Dual Source Dual Energy Applications in the GU Tract</td>
</tr>
<tr>
<td></td>
<td>Michael Macari, M.D.</td>
</tr>
<tr>
<td>2:45</td>
<td>Questions</td>
</tr>
<tr>
<td>3:00</td>
<td>Adjourn</td>
</tr>
</tbody>
</table>

### Sunday, October 10, 2010

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:30</td>
<td>Breakfast</td>
</tr>
<tr>
<td>9:00</td>
<td>Dual Energy CT in the Heart</td>
</tr>
<tr>
<td></td>
<td>U. Joseph Schoepf, M.D.</td>
</tr>
<tr>
<td>9:45</td>
<td>Dual Energy CT in Musculoskeletal Diseases</td>
</tr>
<tr>
<td></td>
<td>Katrina Glazebrook, M.B., Ch.B.</td>
</tr>
<tr>
<td>10:30</td>
<td>Lodine Quantification- Basis and Clinical Application</td>
</tr>
<tr>
<td></td>
<td>Hersh Chandarana, M.D.</td>
</tr>
<tr>
<td>11:00</td>
<td>Dual Energy and Workflow</td>
</tr>
<tr>
<td></td>
<td>Alec J. Megibow, M.D., M.P.H., F.A.C.R.</td>
</tr>
<tr>
<td>11:30</td>
<td>Questions</td>
</tr>
<tr>
<td>12:00</td>
<td>Adjourn</td>
</tr>
</tbody>
</table>
Target Audience
Radiologists and technologists in academics and private practice with an interest in state of the art clinical body MRI.

Statement of Need/ Course Description
The Clinical State of the Art Body MRI conference is a two day program designed to update the attendee on integrating technical and clinical aspects of body MRI to enable accurate diagnoses. The program will include information on how to recognize and avoid image related artifacts, how to understand new sequence implementation to improve diagnoses, and it will review the ever expanding clinical role of body MRI. Particular topics will include Liver Imaging, Pancreatice-Biliary Imaging, GenitoUrinary Imaging, Women’s Imaging, Cardiac Imaging and more, and lectures will incorporate technical aspects as well as clinical aspects in a coordinated and accessible manner.

Educational Objectives
Based on awareness of the ever-changing clinical role of body MRI, recognize and avoid image-related artifacts and utilize new sequence implementation to improve diagnoses.

Integrate the technical and clinical aspects of body MRI to enable accurate diagnoses in a coordinated and accessible manner.

Accreditation Statement
The NYU Post-Graduate Medical School is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

Credit Designation
The NYU Post-Graduate Medical School designates this educational activity for a maximum of 15 AMA PRA Category 1 Credits™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

Disclosure Statement
The NYU Post-Graduate Medical School adheres to ACCME Essential Areas and Policies, including the Standards for Commercial Support regarding industry support of continuing medical education. In order to resolve any identified conflicts of interest, disclosure information is provided during the planning process to ensure resolution of any identified conflicts. Disclosure of faculty and commercial relationships as well as the discussion of unlabeled or unapproved use of any drug, device or procedure by the faculty will be fully noted at the meeting.

Special Needs
The Post-Graduate Medical School of the New York University School of Medicine, in compliance with the legal requirements of the Americans with Disabilities Act, requests any participant of this CME course who is in need of accommodation to submit written requests to our office at least one month prior to the course date.

Registration Information
You may register online or by completing the registration form on page 6.
Monday, October 11, 2010

7:15 Registration and Breakfast
7:55 Welcome
Michael Macari, M.D.

 Physics in the Clinic: Groundwork of Body MRI

8:00 The Dance of the Spins: Signal Generation and Detection in MRI
Pippa Storey, Ph.D.
8:20 Dream Sequences: Rationale for Pulse Sequence Selection in Abdominal MRI
(A Conversation Between Radiologists and Physicists)
8:40 Questions & Discussion

Liver Imaging

8:45 New Contrast Agents in Liver MRI
Scott B. Reeder, M.D., Ph.D.
9:05 Focal Liver Lesions
Vivian S. Lee, M.D., Ph.D., M.B.A.
9:25 Quantitative MRI Biomarkers of Liver Fat
Scott B. Reeder, M.D., Ph.D.
9:45 Other Diffuse Liver Diseases
Michael Macari, M.D.
10:05 MRI Screening for Small HCC: CT vs MRI?
Scott B. Reeder, M.D., Ph.D.
10:25 Questions & Discussion
10:35 Coffee Break

Pancreatico-Biliary Imaging

10:45 Bile Duct Pathology
Sooah Kim, M.D.
11:05 Pancreatic Cysts
Alec J. Megibow, M.D., M.P.H., F.A.C.R.
11:25 Pancreatic Neoplasms
Michael Macari, M.D.
11:45 CT or MRI for Pancreatitis
Hersh Chandarana, M.D.
12:05 Questions & Discussion
12:15 Lunch Break

GenitoUrinary Imaging

1:15 Name that Artifact: Recognition and Correction of Image Artifacts in Abdominal MRI
(A Conversation Between Radiologists and Physicists)
1:55 Questions & Discussion
2:05 Your Coils and You: A Buyer’s and User’s Guide to MR Equipment
Graham Wiggins, Ph.D.
2:25 Questions & Discussion

Breast Imaging

2:30 MR Enterography
Scott B. Reeder, M.D., Ph.D.
3:05 Anorectal MRI
Nicole Hindman, M.D. & Sooah Kim, M.D.
3:25 Coffee Break

GenitoUrinary Imaging II

3:40 Scrotal MRI
Danny C. Kim, M.D.
4:00 Cystic Renal Masses
Nicole Hindman, M.D.
4:20 Renal Masses
Hersh Chandarana, M.D.
4:40 Prostate MRI
Andrew Rosenkrantz, M.D.
5:00 Renal MRI: From Form to Function
Vivian S. Lee, M.D., Ph.D., M.B.A.
5:20 Questions & Discussion
5:30 Adjourn

Tuesday, October 12, 2010

7:30 Breakfast
7:55 Welcome
Michael Macari, M.D.

 Physics in the Clinic: Artifacts and Equipment Redux

8:00 The Dance of the Spins: Relaxation, Contrast, and Speed
Pippa Storey, Ph.D.
8:20 Dream Sequences: Emerging Pulse Sequences and their Uses (A Conversation Between Radiologists and Physicists)
8:40 Questions & Discussion

GenitoUrinary Imaging II

8:35 CIN/NSF
Nicole Hindman, M.D.
8:55 Adrenal MRI
Danny C. Kim, M.D.

Women’s Imaging

9:15 Fetal MRI
Sarah Sarvis Milla, M.D.
9:35 Pregnancy
Genevieve L. Bennett, M.D.
9:55 Benign Female Pelvis
Sooah Kim, M.D.
10:15 Coffee Break
10:30 Malignant Female Pelvis
Genevieve L. Bennett, M.D.
10:50 Non-Adnexal Pelvic Cysts
Hersh Chandarana, M.D.
11:10 MR Defecography
Genevieve L. Bennett, M.D.
11:30 Pediatric Abdominal MRI
Rafael Rivera, M.D.
11:50 Questions & Discussion
12:00 Lunch Break

Physics in the Clinic: Artifacts and Equipment Redux

1:00 Name that Artifact: A Participatory Challenge
1:40 Questions & Discussion
1:45 Your Coils and You: Pitfalls and Promise of RF Coil Arrays and High Field Strength
Graham Wiggins, Ph.D.
2:05 Questions & Discussion

Breast Imaging

2:10 ACR Breast MRI Accreditation
Linda Moy, M.D.
2:30 Breast MRI: Does it Make a Difference?
Linda Moy, M.D.

Cardiovascular MRI Imaging

2:50 Peripheral and Central MRA: Clinical and Physics
Daniel Kim, Ph.D. & Ruth P. Lim, M.D.
3:10 Coffee Break
3:25 Cardiac MRI Tricks of the Trade: How to Get the Best Images in the Worst Patients
M. Barbara Srichai-Parsia, M.D.
3:45 Viability
Ruth P. Lim, M.D.
4:05 Masses
M. Barbara Srichai-Parsia, M.D.
4:25 Questions & Discussion
4:35 Adjourn
General Information & Hotel Accomodations

Meeting Location
NYU Langone Medical Center
Alumni Hall B
550 First Avenue
New York, NY 10016

Commuting and Parking
The NYU Langone Medical Center is a 20-minute walk from both Penn Station and Grand Central Terminal. If you are driving, there is a convenient garage at 575 1st Ave, directly across from NYU with discounts available before 9a.m.

Air Travel
LaGuardia Airport is the most convenient (25-minute drive from the airport to NYU when there is no traffic).

Special Needs
The Post-Graduate Medical School of the New York University School of Medicine, in compliance with the legal requirements of the Americans with Disabilities Act, requests any participant of this CME course who is in need of accommodation to submit written requests to our office at least one month prior to the course date.

Special Topics/Questions
If there is a specific topic or question that would help fulfill your educational needs, please submit it on the registration form or on-line form.

Dietary Restrictions
Please indicate any dietary restrictions when registering.

The Affinia Dumont
150 East 34th Street
www.affinia.com
(walking distance to NYU Langone Medical Center’s main building)

The Affinia Dumont is a renowned boutique Midtown East hotel in New York. Conveniently and centrally located in the historic Murray Hill neighborhood of Manhattan, the Affinia Dumont is in close proximity to Madison Avenue’s corporate centers and shops, Seventh Avenue’s fashion district, the Jacob Javits Convention Center, Madison Square Garden, Empire State Building and major department stores such as Macy’s and Lord & Taylor. Transportation is easily accessible, as Penn Station, Grand Central Station and the 34th Street Heliport are all just a few blocks away.

The 37-story Affinia Dumont offers 241 neutral-toned guestrooms with custom Affinia Beds. The beds feature 280-thread count linens, down comforters, pillowtop mattresses and padded headboards.

Accommodations include honor bars and coffeemakers. Bathrooms contain granite vanities, bathrobes, makeup mirrors and Aveda toiletries. In-room safes are complimentary. High-speed Internet access is available for a fee.

Studios: $259/night
Jr. Suites: $279/night

Reservations:
Call 1-866-233-4642 and mention NYU Radiology Course

The cut-off date for accepting reservations at this rate is Thursday, September 23rd.
Registration Form

Name

Address

City

State  Zip

Day Phone

Fax

E-mail (required for course confirmation)

Degree

Specialty

Subspecialty

Dietary Restrictions
(Please indicate any dietary restrictions on the registration form when you register.)

Registration Fee Options
(Please check appropriate boxes below)

1st Annual Dual Energy CT Symposium
October 9-10, 2010
☐ $325  Registration fee for physician
☐ $250  Discounted fee*

Clinical State of the Art Body MRI
October 11-12, 2010
☐ $625  Registration fee for physician
☐ $500  Discounted fee

I would like to register for BOTH Programs
and receive a discounted tuition rate:

☐ $850  Registration fee for physician
☐ $650  Discounted fee

* Discounted fees apply to NYU School of Medicine alumni, M.D.’s employed by the Dept. of Veterans Affairs, full-time active military personnel, technologists, current residents/fellows, Canadian and other non-US physicians.

* Meeting registration and reservations made through the NYU hotel room block entitle each registrant to: conference syllabus, daily meeting breakfasts, daily meeting coffee breaks and welcome reception.

Methods of Payment
☐ Check in U.S. Dollars made payable to
   NYU Department of Radiology
☐ Credit Card Payment (see below)

Payment by Credit Card
Bill to: ☐ Visa  ☐ Mastercard  ☐ American Express

Card Member’s Name (print carefully)

Card #

Exp Date: Month/Year  / 

Amount to be Charged: $

Signature (required to process)

Fax Form to: (212) 263-3959

If Sending Check, Please Mail to:
Marisa P. Bruno
Department of Radiology
462 First Avenue
OBH, C&D, Floor 1, Room 4
New York, NY 10016

Confirmation of Course Acceptance:
We no longer send out written or faxed confirmations. A confirmation receipt will be sent to you by e-mail if you provide your email address clearly.

Refund Policy:
If you need to cancel your enrollment, a $75 service fee will be assessed for your tuition payment if written notice is received at least 30 days in advance and a $150 service fee for cancellations made within 30 days. No refunds are possible if written notification is not sent.

Course Cancellation Policy:
In the unusual circumstance that this course is cancelled, two weeks’ notice will be provided and full tuition refunded. The NYU Post-Graduate Medical School is not responsible for any airfare, hotel or other costs incurred.

Educational Needs
If there is a specific question or topic relating to this course, please submit it on the registration form or on the website when registering online.

In Case of Questions, Contact:
Michelle R. Koplik, Director of CME
(212) 263-3936 or michelle.koplik@nyumc.org
Marisa P. Bruno, Program Coordinator
(212) 263-0724 or marisa.bruno@nyumc.org
We hope you'll plan on joining us at one of these CME courses.
WWW.RADCME.MED.NYU.EDU

2010
JUN 28-JUL 2  SUMMER RADIOLOGY SYMPOSIUM AT THE SAGAMORE
THE SAGAMORE, LAKE GEORGE, NY
AUG 9-13  CLINICAL IMAGING UPDATE IN JACKSON HOLE
FOUR SEASONS, JACKSON HOLE, WY
OCT 9-10  1ST ANNUAL DUAL ENERGY CT SYMPOSIUM
NYU MEDICAL CENTER, NEW YORK, NY
OCT 11-12  MRI: CLINICAL STATE OF THE ART
NYU MEDICAL CENTER, NEW YORK, NY
OCT 25-28  FALL RADIOLOGY SYMPOSIUM IN SCOTTSDALE
FOUR SEASONS, SCOTTSDALE, AZ
NOV 12-13  FALL VIRTUAL COLONOSCOPY WORKSHOP
NEW YORK, NY
DEC 13-18  29TH ANNUAL HEAD TO TOE IMAGING CONFERENCE
HILTON NEW YORK, NEW YORK CITY

2011
JAN 3-7  NYU CLINICAL IMAGING SYMPOSIUM IN ARUBA
HYATT REGENCY RESORT, ARUBA
MAR 14-18 (tentative)  9TH ANNUAL NYU RADIOLOGY ALPINE IMAGING SYMPOSIUM
PARK HYATT, BEAVER CREEK
MAY 23-25 (tentative)  SPORTS MEDICINE IMAGING STATE OF THE ART:
A COLLABORATIVE COURSE FOR RADIOLOGISTS
AND SPORTS MEDICINE SPECIALISTS
NYU MEDICAL CENTER, NEW YORK, NY
AUG 1-5  NYU RADIOLOGY SYMPOSIUM IN SANTA FE
LA POSADA, SANTA FE, NM
OCT 24-28 (tentative)  NYU IMAGING UPDATE IN SANTA BARBARA
FOUR SEASONS, SANTA BARBARA, CA
DEC 12-18  30TH ANNUAL HEAD TO TOE IMAGING CONFERENCE
NEW YORK CITY