2nd Dual Energy CT Symposium
October 16, 2011
NYU Langone Medical Center
New York City

NYU Course Director
Alec J. Megibow, M.D., MP.H., F.A.C.R.

Guest Faculty
Rajiv Gupta, M.D., Ph.D.
Harvard Medical School
Ravi K. Kaza, M.D.
University of Michigan Health System
Desiree E. Morgan, M.D.
University of Alabama at Birmingham
Norbert Pelc, Sc.D.
Stanford University School of Medicine

Clinical State of the Art Body MRI
October 17–18, 2011
NYU Langone Medical Center
New York City

NYU Course Director
Michael Macari, M.D.

Guest Faculty
Elmar M. Merkle, M.D.
Duke University Health System
2nd Dual Energy CT Symposium

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Course Director
Alec J. Megibow, M.D., M.P.H., F.A.C.R.
Professor of Radiology
Director, Faculty Practice Radiology
NYU Department of Radiology

NYU Faculty
Hersh Chandarana, M.D.
Assistant Professor of Radiology

Michael Macari, M.D.
Associate Professor of Radiology
Chief, Abdominal Imaging
Vice Chair of Operations
NYU Department of Radiology

David P. Naidich, M.D.
Professor of Radiology and Medicine

M. Barbara Srichai-Parsia, M.D.
Assistant Professor of Radiology and Medicine

Guest Faculty
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Assistant Radiologist,
Director, Ultra-high Resolution Volume CT
Massachusetts General Hospital Instructor
Harvard Medical School
Boston, MA

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Clinical Assistant Professor,
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Desiree E. Morgan, M.D.
Professor of Radiology
Vice Chair for Clinical Research
University of Alabama at Birmingham
Birmingham, AL

Norbert Pelc, Sc.D.
Professor of Radiology and Bioengineering
Associate Chair for Research, Radiology
Stanford University School of Medicine
Stanford, CA

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.

Course Description / Statement of Need
Dual energy CT (DECT) has been recently introduced into clinical practice. Radiologists are unaware of the physical basis of DE and the clinical situations in which this technology can be utilized. This course will provide the audience with a balanced presentation of the full spectrum of both dual source and single source DECT in the thorax, heart, brain and abdomen. This symposium will bring together clinical, engineering and physics experts and attendees will benefit from learning how different approaches to DE can be used to benefit patient care in all areas of the body. Perhaps most significantly, DECT may allow significant patient dose reduction by eliminating non-contrast scanning. Further, the physical basis of DECT and how the technology can be adapted into clinical workflow are also necessary for complete understanding of this new technology.

Educational Objectives
Describe the current utilization of dual energy CT in the thorax, heart, brain and abdomen and how different approaches to DE can be used to benefit patient care in all areas of the body.

Evaluate dual energy CT in regards to expanded diagnostic capabilities and minimization of radiation dose benefits to patients.

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 live activity for a maximum of 6.50 AMA PRA Category 1 Credits™. Physicians should claim only the 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 7.
Sunday, October 16, 2011

Registration and Breakfast
8:15 am

Welcome & Introduction
8:50 am
Alec J. Megibow, M.D., M.P.H., F.A.C.R.

Physical Background
9:00 am
Norbert Pelc, Sc.D.

Dual Source Dual Energy CT and Radiation Dose
9:45 am
Michael Macari, M.D.

Spectral Imaging Concepts
10:10 am
Rajiv Gupta, M.D. Ph.D.

Questions
10:30 am

Coffee Break
10:45 am

Thoracic
11:00 am
David P. Naidich, M.D.

Iodine Quantification
11:30 am
Hersh Chandarana, M.D.

Questions
12:00 pm

Lunch
12:15 pm

Neuro Imaging
1:15 pm
Rajiv Gupta, M.D. Ph.D.

Liver and Pancreas
1:45 pm
Desiree E. Morgan, M.D.

GU Imaging
2:15 pm
Ravi Kaza, M.D.

Questions
2:45 pm

Coffee Break
3:00 pm

Cardiac
3:15 pm
M. Barbara Srichai-Parsia, M.D.

DE Workflow
3:45 pm
Alec J. Megibow, M.D., M.P.H., F.A.C.R.

Questions
4:30 pm

Adjourn
5:00 pm
Target Audience
Radiologists and technologists in academics and private practice with an interest in state of the art clinical body MRI.

Course Description / Statement of Need
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, Pancreatico-Biliary Imaging, GenitoUrinary Imaging, Women's Imaging, Bowel, Physics in MRI and more, and lectures will incorporate technical aspects as well as clinical aspects in a coordinated and accessible manner.

Educational Objectives
Evaluate optimal MR imaging techniques in the diagnosis and management of abdominal and pelvic pathology as it relates to improved accuracy, sensitivity and avoiding the need for ionizing radiation.

Apply the appropriate management algorithm for incidental pancreatic cystic lesions as developed by the ACR.

Based on awareness of the ever-changing clinical role of body MRI, integrate the technical and clinical aspects of body MRI and recognize the utility of new pulse sequence to enable an accurate diagnosis.

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 live activity for a maximum of 14.50 AMA PRA Category 1 Credits™. Physicians should claim only the 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.

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Registration Information
You may register online or by completing the registration form on page 7.
Monday, October 17, 2011

**Physics in the Clinic: Groundwork of Body MRI**

8:00 am  The Dance of the Spins: Signal Generation and Detection in MRI  Pippa Storey, Ph.D.
2:25 pm  MRI Safety: What the Radiologist Needs to Know  Ruth P. Lim, M.D.
2:45 pm  Your Coils and You: A Buyer’s and User’s Guide to MR Equipment  Graham Wiggins, Ph.D.
3:05 pm  Abdominal/Pelvic MRI at 3.0T  Elmar M. Merkle, M.D., F.A.C.R.
3:25 pm  Future Innovations in Abdominal MRI Technology  Andrew Rosenkrantz, M.D.
3:45 pm  Questions and Discussion
3:50 pm  Coffee Break

**Liver Imaging**

9:10 am  Liver Specific MR Contrast Agents: Usage in the Non-Cirrhotic Cirrhotic Liver  Elmar M. Merkle, M.D.
9:30 am  Focal Liver Lesions (non-cirrhotic)  Michael Macari, M.D.
9:50 am  Focal Liver Lesions (cirrhotic)  Andrew Rosenkrantz, M.D.
10:10 am  Questions & Discussion
10:20 am  Coffee Break
10:35 am  NAFLD: What the Radiologist Needs to Know  Hersh Chandarana, M.D.
11:00 am  Solid Renal Masses  Hersh Chandarana, M.D.
11:20 am  US and MRI of the Scrotum: A Case Based Approach  John A. Bonavita, M.D.
11:45 am  CIM and NSF: Update for 2011  Nicole Hindman, M.D.
12:05 pm  Questions & Discussion
12:10 pm  Lunch
12:30 pm  Pediatric Abdominal Imaging: Optimizing Techniques  Sara Sarvis Millia, M.D.
12:50 pm  Pediatric Abdominal Imaging: Top 10 Diagnoses  Sara Sarvis Millia, M.D.
1:10 pm  Learn From Our Mistakes: A Case Based Approach  The Faculty
1:25 pm  Adrenal MRI: Frequently Asked Questions  Danny Kim, M.D.
1:45 pm  Questions & Discussion
2:00 pm  Coffee Break

**Pancreatico-Biliary Imaging**

11:15 am  MR cholangiography: From 2D to 4D Imaging  Elmar M. Merkle, M.D.
11:25 am  Bile Duct Pathology: a Case Based Approach  Sooah Kim, M.D.
11:45 am  Pancreatic Adenocarcinoma  Michael Macari, M.D.
12:05 pm  Management of Pancreatic Cysts  Alec J. Meigbouw, M.D., M.P.H., F.A.C.R.
12:25 pm  CT or MRI for Pancreatitis  Michael Macari, M.D.
12:45 pm  Questions & Discussion
12:50 pm  Lunch Break

**Physiology and Safety in the Clinic: Artifacts and Equipment**

1:50 pm  Name that Artifact: Recognition and Correction of Image Artifacts in Abdominal MRI  Pippa Storey, Ph.D.
2:25 pm  MRI Safety: What the Radiologist Needs to Know  Ruth P. Lim, M.D.
2:45 pm  Your Coils and You: A Buyer’s and User’s Guide to MR Equipment  Graham Wiggins, Ph.D.
3:05 pm  Abdominal/Pelvic MRI at 3.0T  Andrew Rosenkrantz, M.D.
3:25 pm  Future Innovations in Abdominal MRI Technology  Daniel K. Sodickson, M.D., Ph.D.
3:45 pm  Questions and Discussion
3:50 pm  Coffee Break

**MRA**

4:05 pm  Time Resolved MRA: Abdominal and Pelvic Applications  Elmar M. Merkle, M.D.
4:25 pm  Peripheral MRA  Ruth P. Lim, M.D.
4:45 pm  Questions and Discussion
5:00 pm  Adjourn

Tuesday, October 18, 2011

**Physics in the Clinic: Advanced Principles of Body MRI**

8:00 am  The Dance of the Spins: Relaxation, Contrast, and Speed  Pippa Storey, Ph.D.
8:20 am  Dream Sequences: Emerging Pulse Sequences and their Uses  Andrew Rosenkrantz, M.D.
8:30 am  Bowel Imaging

8:40 am  MR Enterography  Michael Macari, M.D.
9:00 am  Rectal MRI  Nicole Hindman, M.D.
9:20 am  MR Defecography  Genevieve L. Bennett, M.D.
9:40 am  Questions & Discussion
9:45 am  Coffee Break

**Genitourinary Imaging**

10:00 am  Prostate MRI  Andrew Rosenkrantz, M.D.
10:20 am  Renal MRI: From Form to Function  Vivian Lee, M.D., Ph.D., M.B.A.
10:40 am  Cystic Renal Masses  Nicole Hindman, M.D.
11:00 am  Solid Renal Masses  Hersh Chandarana, M.D.
11:20 am  US and MRI of the Scrotum: A Case Based Approach  John A. Bonavita, M.D.
11:45 am  CIM and NSF: Update for 2011  Nicole Hindman, M.D.
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1:10 pm  Pediatric Abdominal MRI: Optimizing Techniques  Sara Sarvis Millia, M.D.
1:30 pm  Pediatric Abdominal MRI: Top 10 Diagnoses  Sara Sarvis Millia, M.D.
1:50 pm  Learn From Our Mistakes: A Case Based Approach  The Faculty
2:20 pm  Adrenal MRI: Frequently Asked Questions  Danny Kim, M.D.
2:45 pm  Questions & Discussion
2:50 pm  Coffee Break

**Women’s Imaging**

3:05 pm  Abdominal Pain in Pregnancy: Role of Imaging  Genevieve L. Bennett, M.D.
3:25 pm  MRI of the Uterus  Nicole Hindman, M.D.
3:45 pm  MRI of the Ovaries  Sooah Kim, M.D.
4:05 pm  Non-Adnexal Pelvic Cysts  Hersh Chandarana, M.D.
4:25 pm  Questions and Answers
4:35 pm  Adjourn
General Information & Hotel Accommodations

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). JFK and Newark are other airport options (60–90 minutes away).

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 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.

Studios: $279/night (High-speed Internet access is complimentary.)

Reservations:
Call 1-866-233-4642 and mention NYU Radiology/Dual Energy Meeting
The cut-off date for accepting reservations at this rate is Wednesday, September 28th.
Registration Form

Please Print Clearly

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)

2nd Dual Energy CT Symposium
October 16, 2011
☐ $325 Registration fee for physician
☐ $250 Discounted fee*

Clinical State of the Art Body MRI
October 17–18, 2011
☐ $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.

Methods of Payment
Check in U.S. Dollars: Made payable to
NYU Department of Radiology

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

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

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 Department of Radiology 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 Costello, Program Coordinator
(212) 263-0724 or marisa.bruno@nyumc.org

You may register online:
www.radcme.med.nyu.edu
NYU RADIOLOGY CME CALENDAR

2011

NYU Medical Center, New York, NY

June 27–July 1  Summer Radiology Symposium at The Sagamore
The Sagamore, Lake George, NY

August 1–5  NYU Summer Radiology Symposium
La Posada, Santa Fe, NM

October 16  2nd Annual Dual Energy CT Symposium
NYU Medical Center, New York, NY

October 17–18  Clinical State of the Art Body MRI
NYU Medical Center, New York, NY

October 24–28  Fall Radiology Symposium
Four Seasons, Santa Barbara, CA

December 12–17  30th Annual Head To Toe Imaging
The Hilton New York, New York, NY

2012

January 23–27  NYU Clinical Symposium in Maui
Fairmont Kea Lani

March 12–16  10th Annual Alpine Imaging Symposium
(tentative) Deer Valley, UT