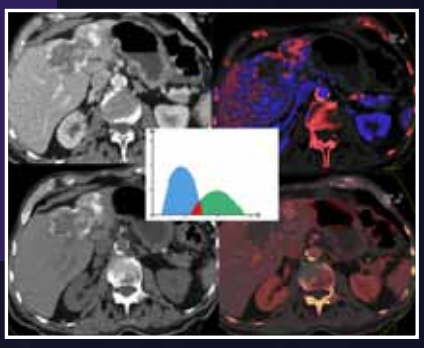
NYU School of Medicine

The Department of Radiology Presents:

Sponsored by the NYU Post-Graduate Medical School

1st Annual Dual Energy CT Symposium



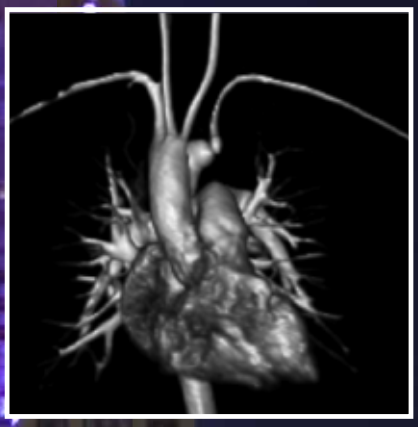
October 9-10, 2010
New York City

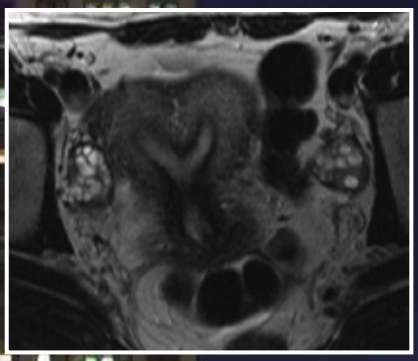
Dual Energy CT (DECT) provides the radiologist with an expanded set of diagnostic capabilities that can revolutionize CT imaging. DECT provides improved lesion detection, chemical analysis of normal and pathologic tissue, and chemical mapping of anatomic regions. DECT potentially will allow significant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

1st Annual Dual Energy CT Symposium

October 9-10, 2010

NYU Langone Medical Center

NYU 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

Bidyut K. Pramanik, M.D.
Assistant Professor of Radiology

Guest Faculty

Katrina N. Glazebrook, M.B., Ch.B.
Assistant Professor of Radiology
Mayo Clinic, Rochester, MN

David M. Hough, M.B., Ch.B.
Assistant Professor of Radiology
Mayo Clinic, Rochester, MN

Rendon C. Nelson, M.D.
Professor of Radiology
Reed & Martha Rice Distinguished
Professor of Radiology
Duke University School of Medicine
Durham, NC

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

Panse M. Prasad, M.D.
Assistant Professor of Radiology
Mayo Clinic, Phoenix, AZ

Dushyant V. Sahani, M.D.
Associate Professor of Radiology
Harvard Medical School
Director, CT Imaging
Massachusetts General Hospital
Boston, MA

U. Joseph Schoepf, M.D.
Professor of Radiology and Cardiology
Director, CT Research and Development
Medical University of South Carolina
Charleston, SC

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.

1st Annual Dual Energy CT Symposium

Saturday, October 9, 2010

7:15 **Registration & Breakfast**

7:50 **Welcome and Introduction**
Alec J. Megibow, M.D., M.P.H., F.A.C.R.

8:00 **Physical Basis of Dual Energy CT**
Norbert Pelc, Sc.D.

8:45 **The Virtual Non-Contrast Image**
Michael Macari, M.D.

9:15 **Questions**

9:30 **Coffee Break**

9:45 **Dual Energy Approach to Lung Disease**
David P. Naidich, M.D.

10:15 **Single Source Dual Energy CT of Vascular Diseases in the Thorax**
Panse M. Prasad, M.D.

10:45 **Dual Energy Applications in Neuro CTA**
Bidyut K. Pramanik, M.D.

11:15 **Questions**

11:30 **Lunch**

12:45 **Single Source Dual Energy Applications in the Upper Abdomen**
Rendon C. Nelson, M.D.

1:15 **Dual Source and lowkv Applications in the Upper Abdomen**
David M. Hough, M.B., Ch.B.

1:45 **Single Source Dual Energy Applications in the GU Tract**
Dushyant V. Sahani, M.D.

2:15 **Dual Source Dual Energy Applications in the GU Tract**
Michael Macari, M.D.

2:45 **Questions**

3:00 **Adjourn**

Sunday, October 10, 2010

8:30 **Breakfast**

9:00 **Dual Energy CT in the Heart**
U. Joseph Schoepf, M.D.

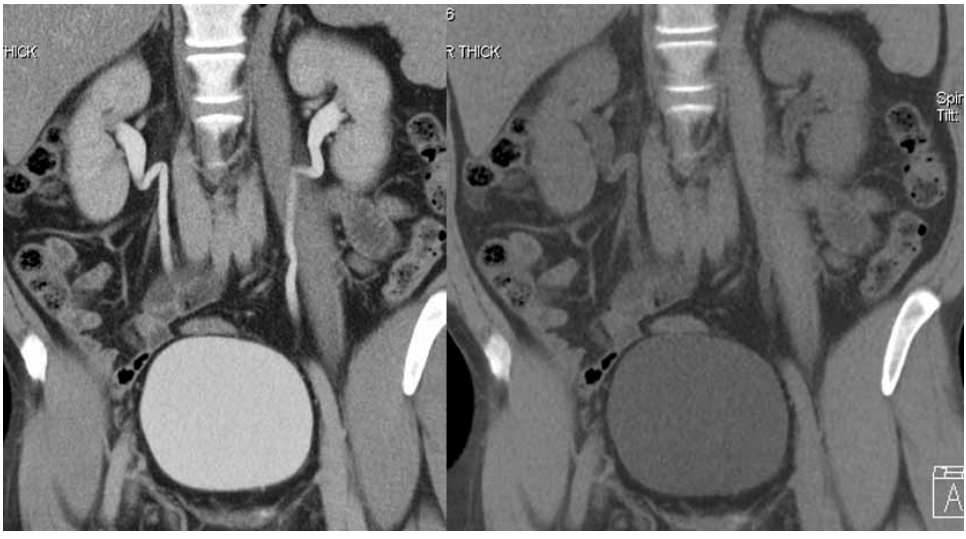
9:45 **Dual Energy CT in Musculoskeletal Diseases**
Katrina Glazebrook, M.B., Ch.B.

10:30 **Lodine Quantification- Basis and Clinical Application**
Hersh Chandarana, M.D.

11:00 **Dual Energy and Workflow**
Alec J. Megibow, M.D., M.P.H., F.A.C.R.

11:30 **Questions**

12:00 **Adjourn**



Clinical State of the Art Body MRI

October 11-12, 2010

NYU Langone Medical Center

NYU Course Director

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

Guest Faculty

Scott B. Reeder, M.D., Ph.D.
Associate Professor of Radiology
Section Chief, Abdominal MR
and Cardiovascular Imaging
University of Wisconsin – Madison
Madison, Wisconsin

NYU Faculty

Genevieve L. Bennett, M.D.
Assistant Professor of Radiology
Chief, Women's Imaging

Hersh Chandarana, M.D.
Assistant Professor of Radiology

Nicole Hindman, M.D.
Assistant Professor of Radiology

Daniel Kim, Ph.D.
Assistant Professor of Radiology

Danny C. Kim, M.D.
Assistant Professor of Radiology

Sooah Kim, M.D.
Assistant Professor of Radiology

Vivian S. Lee, M.D., Ph.D., M.B.A.
Professor of Radiology, Physiology
and Neuroscience
Vice Dean for Science
Chief Scientific Officer
NYU Langone Medical Center

Ruth P. Lim, M.D.
Assistant Professor of Radiology

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

Sarah Sarvis Milla, M.D.
Assistant Professor of Radiology

Linda Moy, M.D.
Assistant Professor of Radiology

Rafael Rivera, M.D.
Assistant Professor of Radiology

Andrew Rosenkrantz, M.D.
Assistant Professor of Radiology

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

Pippa Storey, Ph.D.
Assistant Professor of Radiology

Graham Wiggins, Ph.D.
Assistant Professor of Radiology

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, Pancreatico-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

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Credit Designation

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Clinical State of the Art Body MRI

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**

Physics in the Clinic: Artifacts and Equipment

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**

Bowel

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 I

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** (A Conversation Between Radiologists and Physicists)

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 MR 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 *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)

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

NYU School of Medicine

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New York, NY 10016

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