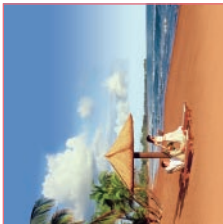




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**MRI 2008**  
Clinical Update and Practical MRI and CT Applications  
February 18-22, 2008  
*The Rio Mar Beach Resort and Spa,  
A Wyndham Grand Resort  
Rio Grande, Puerto Rico*

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Design by: Anna McCormick



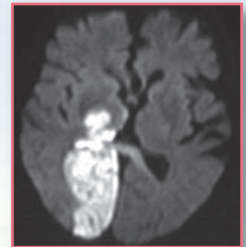
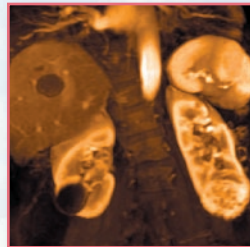
Harvard Medical School  
Department of Continuing Education



Beth Israel Deaconess Medical Center  
Department of Radiology

# MRI 2008

*Clinical Update and  
Practical MRI and CT Applications*



## February 18-22, 2008

*School Vacation Week*

**Rio Mar Beach Resort and Spa,  
A Wyndham Grand Resort**

*(formerly the Westin Rio Mar Beach Golf Resort and Spa)*

*Rio Grande, Puerto Rico*



**Course Directors**

*Jonathan Kleeffeld, MD*

*Neil M Rofsky, MD*

**Earn 25.50**

**Category 1 Credits!**

***Register before December 1, 2007 and SAVE!!!***

*Hotel rooms in Puerto Rico are limited.  
You are urged to make your reservations early. Rooms have been reserved  
at the The Rio Mar Beach Resort and Spa until January 18, 2008*

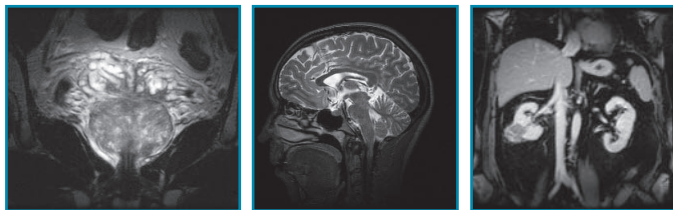
## COURSE DESCRIPTION

Magnetic Resonance continues to have a major impact on the field of diagnostic imaging. MRI 2008, one of the most successful MRI postgraduate courses, will bring you up to date on clinical issues presented by experienced radiologists.

Special emphasis will be given to clinical applications of practical state-of-the-art techniques:

- Cardiovascular Disorders
- Interventional Techniques
- Musculoskeletal including MR Arthrography
- Pancreas and Cholangiopancreatography
- Prostate MRI
- Stroke Imaging
- Non-invasive Angiography
- Functional Brain and Cardiac Imaging
- Breast MR
- Dynamic Contrast-Enhanced Techniques for Abdomen and Pelvis

Vendor exhibits to demonstrate equipment and procedures.



## OBJECTIVES

Upon completion of the program, participants will be able to:

- Apply state-of-the-art MR and CT techniques to their practices
- Understand and apply new techniques in brain, abdominal, breast
- Understand principles of Cardiovascular and Interventional MRI
- Achieve a balanced consideration of the relative merits of MR and CT

## ACCREDITATION

Harvard Medical School is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

Harvard Medical School designates this educational activity for a maximum of 25.50 AMA PRA Category 1 Credit(s)<sup>™</sup>. Physicians should only claim credit commensurate with the extent of their participation in the activity.

## FACULTY

**David C Alsop, PhD:** Associate Professor of Radiology, Harvard Medical School; Director of the Division of MR Research, Beth Israel Deaconess Medical Center, Boston, MA

**William G Bradley, Jr, MD, PhD, FACR:** Professor and Chairman, Department of Radiology, University of California at San Diego Medical Center, San Diego, CA

**Edgar Colon-Negron, MD:** Associate Professor, University of Puerto Rico, San Juan, Puerto Rico

**Vandana Dialani, MD:** Instructor in Radiology, Harvard Medical School; Breast and Thoracic Imaging, Beth Israel Deaconess Medical Center, Boston, MA

**Thomas H Hauser, MD, MMSc, MPH, FACC:** Assistant Professor of Medicine; Harvard Medical School, Director of Nuclear Cardiology, Beth Israel Deaconess Medical Center, Boston, MA

**Ferenc A Jolesz, MD:** B Leonard Holman Professor of Radiology, Harvard Medical School; Vice Chairman for Research, Director, Division of MRI and Image Guided Therapy Program, Brigham and Women's Hospital, Boston, MA

**Jonathan Kleeefield, MD:** Associate Professor of Radiology, Harvard Medical School; Director Emeritus, Neuroradiology, Beth Israel Deaconess Medical Center, Boston, MA

**Robert E Lenkinski, PhD:** Professor of Radiology, Harvard Medical School; Vice Chairman, Director of Research, Department of Radiology, Beth Israel Deaconess Medical Center, Boston, MA

**Theodore T Miller, MD, FACR:** Assistant Professor of Radiology, Weill Medical College of Cornell University; Attending Radiologist, Hospital for Special Surgery, New York-Presbyterian Hospital, New York, NY

**Gul Moonis, MB BS:** Assistant Professor of Radiology, Harvard Medical School; Beth Israel Deaconess Medical Center, Boston, MA

**Ivan Pedrosa, MD:** Assistant Professor of Radiology, Harvard Medical School; Director of Body MRI, Department of Radiology, Beth Israel Deaconess Medical Center, Boston, MA

**Neil M Rofsky, MD:** Associate Professor of Radiology, Harvard Medical School; Director of MRI, Beth Israel Deaconess Medical Center, Boston, MA

**Bruce Rosen, MD, PhD:** Professor of Radiology, Harvard Medical School; Professor, Harvard/MIT Division of Health Sciences Technology; Director, MGH/MIT/HMS Martinos Center, Massachusetts General Hospital, Boston, MA

**Sanjay K Shetty, MD:** Instructor in Radiology, Harvard Medical School; Associate Staff, Beth Israel Deaconess Medical Center, Boston, MA

**A Gregory Sorensen, MD:** Associate Professor of Radiology, Harvard Medical School; Co-Director, MGH/MIT/HMS Martinos Center, Massachusetts General Hospital Boston, MD

**Chip Truwit, MD:** Professor and Chairman, Department of Radiology, Hennepin County Medical Center; Margaret and HO Peterson Chair in Neuroradiology, University of Minnesota School of Medicine, Minneapolis, MN

**Jim S Wu, MD:** Instructor in Radiology, Harvard Medical School; Musculoskeletal Section, Beth Israel Deaconess Medical Center, Boston, MA

## MONDAY, FEBRUARY 18

7:25 Introduction and Welcome

Moderator: *Jonathan Kleefield, MD*

7:30	Orbital Imaging	<i>Moonis</i>
8:00	Pituitary/skull base	<i>Kleefield</i>
8:30	Suprahyoid Neck	<i>Moonis</i>
9:00	Infrahyoid Neck	<i>Moonis</i>
9:30	Questions/Break	
10:00	Spine - Degenerative Disease	<i>Kleefield</i>
10:30	Spine- Infections, Tumors, Vascular Malformations	<i>Kleefield</i>
11:00	Brain- Infections	<i>Truwit</i>
11:30	Imaging of Brachial Plexus	<i>Moonis</i>
12:00	Hydrocephalus	<i>Bradley</i>
12:30	Adjourn	

## TUESDAY, FEBRUARY 19

Moderator: *Ferenc A Jolesz, MD*

7:30	3T MRI: Advantages and Challenges	<i>Bradley</i>
8:00	Acute Brain Trauma	<i>Truwit</i>
8:30	Non-Traumatic Neurological Emergencies	<i>Sorensen</i>
9:00	Multimodality Imaging	<i>Rosen</i>
9:30	Questions/Break	
10:00	Diffusion MRI	<i>Sorensen</i>
10:30	Perfusion MRI	<i>Sorensen</i>
11:00	Interventional MRI	<i>Truwit</i>
11:30	Clinical fMRI	<i>Rosen</i>
12:00	Brainstem MRI	<i>Bradley</i>
12:30	Adjourn	

## WEDNESDAY, FEBRUARY 20

Moderator: *Jim Wu, MD*

7:15	Diabetic Foot	<i>Miller</i>
7:45	MRI of the Foot and Ankle	<i>Shetty</i>
8:15	Imaging of Soft Tissue Tumors	<i>Wu</i>
8:45	Femoro- Acetabular Impingement	<i>Miller</i>
9:15	CT and MRI of Bone Tumors: What you need to know	<i>Wu</i>
9:45	Questions/Break	

## WEDNESDAY, FEBRUARY 20 (cont'd)

Moderator: *Sanjay Shetty, MD*

10:00	MRI of the Hand and Wrist	<i>Shetty</i>
10:30	MR vs US of the Shoulder	<i>Miller</i>
11:00	MRI Arthrography, How and when to use it?	<i>Wu</i>
11:30	MRI of Articular Cartilage	<i>Shetty</i>
12:00	Low field vs. 1.5T vs. 3T	<i>Miller</i>
12:30	Adjourn	

## THURSDAY, FEBRUARY 21

Moderator: *Neil M Rofsky, MD*

7:30	Update on MRCP	<i>Pedrosa</i>
8:00	Contrast Agents for Liver MR Imaging	<i>Rofsky</i>
8:30	MRI and MDCT of Renal Masses	<i>Pedrosa</i>
9:00	NSF and Gadolinium	<i>Rofsky</i>
9:30	Questions/Break	

Moderator: *Ivan Pedrosa, MD*

9:50	Update in Liver MRI	<i>Pedrosa</i>
10:20	MR Abdominal Pain Pregnancy	<i>Pedrosa</i>
10:50	Female Pelvis	<i>Rofsky</i>
11:20	MR Venography	<i>Pedrosa</i>
11:50	MDCT of Crohn's Disease	<i>Colon-Negron</i>
12:20	Questions	
12:30	Adjourn	

## FRIDAY, FEBRUARY 22

Moderator: *Thomas H Hauser, MD*

7:15	Cardiac MR: Clinical Applications	<i>Hauser</i>
8:00	Thoracic Aorta	<i>Rofsky</i>
8:30	MRI of Tumor Perfusion	<i>Alsop</i>
9:00	Coronary MDCTA Technique	<i>Hauser</i>
9:30	Questions/Break	

Moderator: *Robert Lenkinski, PhD*

9:50	Coronary MDCTA Applications	<i>Hauser</i>
10:20	Introduction to Molecular Imaging	<i>Lenkinski</i>
10:50	Breast MRI	<i>Dialani</i>
11:20	MR Spectroscopy	<i>Lenkinski</i>
11:50	Breast MR Guided Procedures	<i>Dialani</i>
12:20	Questions	
12:30	Adjourn	

## REGISTRATION INFORMATION

For specific tuition fees, see the registration form. All foreign payments must be made by a draft on a United States bank, or by Visa or Mastercard. If paying by check, make it payable to Harvard Medical School and mail with the completed registration form to: **Harvard Medical School, Department of Continuing Education, PO Box 825, Boston, MA 02117-0825**. If paying by credit card, fax the completed registration form to (617) 384-8686, register online at [www.cme.hms.harvard.edu](http://www.cme.hms.harvard.edu), or mail it to the above address. **Telephone registrations are not accepted.** Inquiries should be directed to the above address, made by phone: (617) 384-8600, Monday-Friday, 10 am to 4 pm (EST), or by e-mail: [hms-cme@hms.harvard.edu](mailto:hms-cme@hms.harvard.edu).

**Please note:** Program changes/substitutions may be made without notice. Upon receipt of registration, a confirmation letter will be mailed to the address listed on the form.

## ONLINE INFORMATION

To register or view course information online, visit Harvard Medical School Department of Continuing Education's home page: <http://cme.hms.harvard.edu/courses/mri2008>

To ensure proper registration, please add the source code found at the bottom of the registration form.

## REFUND POLICY

A handling fee of \$60 is deducted for cancellation. Refund requests must be received by mail or fax one week prior to the course. No refunds will be made thereafter

## ACCOMMODATIONS / COURSE LOCATION

Situated on 500 acres of beachfront property, Rio Mar Beach Resort and Spa - A Wyndham Grand Resort is an escape from the mundane. Explore the nearby El Yunque Caribbean National Forest, full of streams, waterfalls, and breathtaking panoramic views. Experience another world underwater while snorkeling or diving, or venture to Old San Juan to discover Puerto Rico's history.

At the Rio Mar Beach Resort and Spa - A Wyndham Grand Resort, guests have countless entertainment options. With two championship golf courses, as well as a putting green and driving range, golf lovers will find themselves in paradise. We also have a sprawling pool, perfect for cooling off after a game of tennis on one of our thirteen courts and, for a little indoor excitement, an onsite casino. Revitalize at the exclusive Mandara Spa and fitness center or lay out on the sandy beach.

Hotel reservations can be made by calling Rio Mar Beach Resort and Spa, A Wyndham Grand Resort, Puerto Rico (800) 4 RIOMAR or (787) 888-6200. Specify that you are enrolled in the MRI 2008, Group Code 02146800BR course to receive the reduced room rate. The special hotel rate is available until January 18, 2008, only while they last.

The Rio Mar Beach Resort and Spa, A Wyndham Grand Resort, 6000 Rio Mar Boulevard, Rio Grande, Puerto Rico

<http://www.wyndham.com/groupeventsnew/577MRI2008/main.wnt>

## MRI 2008: Clinical Update and Practical MRI and CT Applications February 18-22, 2008 Class # 282736

### Fees:

#### Early Registration Fee

Registration and payment received before December 1, 2007

Physicians	\$950 (USD)
Residents*/Fellows in Training*	\$475 (USD)
Technologists	\$475 (USD)

#### Registration Fee

Registration and payments received after December 1, 2007

Physicians	\$1025 (USD)
Residents*/Fellows in Training*	\$525 (USD)
Technologists	\$525 (USD)

\* A letter of verification from the Department Chair must accompany the registration form for a reduced trainee fee.

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