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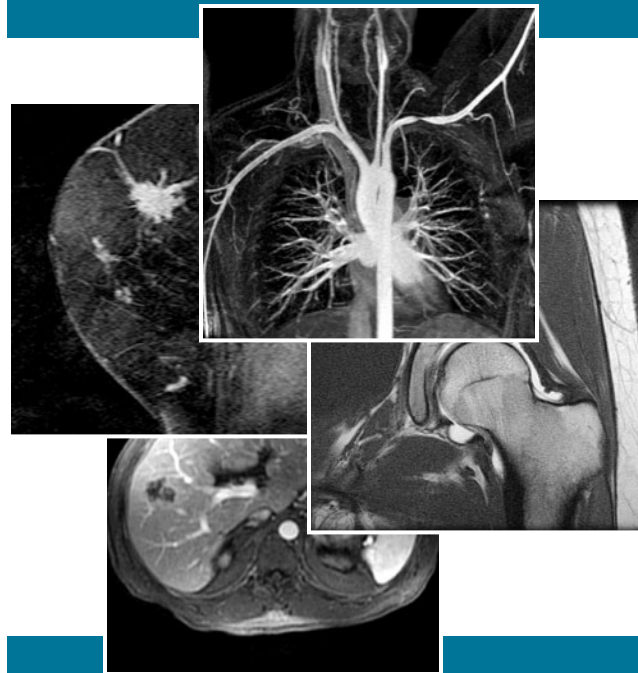


The Russell H. Morgan
Department of Radiology and Radiological Science

Presents

12th Annual

HOT TOPICS IN MR IMAGING for the Technologist



January 28 - 29, 2012

Thomas B. Turner Building
Baltimore, Maryland

Activity Director
Ihab R. Kamel, MD, PhD



Johns Hopkins University School of Medicine
Turner 20, 720 Rutland Avenue
Baltimore, Maryland 21205-2195

HOT TOPICS IN
MR IMAGING
for the Technologist

January 28 - 29, 2012

HOT TOPICS IN MR IMAGING for the Technologist

DESCRIPTION

The field of MRI is continually changing. Improvements are being made in safety in the MRI environment, including contrast administration safety and the increasing compatibility of medical implants like ICD. Pulse sequences are changing to allow for short scan times and improved imaging. New imaging sequences are being developed, such as BLADE, SWI (Susceptibility Weighted Imaging), ASL (Arterial Spin Labeling), and non-contrast vascular image. It is crucial that technologists and other radiology staff receive updates and education in the latest MRI technology, not only to maintain their national license requirement but to be able to provide the best care to patients and properly address safety issues within MRI. The only way to accomplish these goals is to provide an annual CME-type imaging seminar where we can select leaders in the field of MRI to discuss the changes, and how these changes impact the delivery of patient care.

WHO SHOULD ATTEND

This activity is intended for MRI Technologists and Radiologists

OBJECTIVES

After attending this activity, the participant will demonstrate the ability to:

- Define and apply optimal methods for Body MR
- Define and apply optimal methods for Neuro MR
- Discuss newer applications that widen the scope of clinical MRI
- Review basic knowledge of underlying principles of MRI

CREDIT

American Healthcare Radiology Administrators

This activity has been approved by AHRA, the approving RCEEM: The Association for Medical Imaging Management for a maximum of 13.0 Category A, ARRT continuing education credits. You must attend each session in its entirety to obtain credit. No partial session credit will be awarded.

POLICY ON SPEAKER AND PROVIDER DISCLOSURE

It is the policy of the Johns Hopkins University School of Medicine that the speaker and provider disclose real or apparent conflicts of interest relating to the topics of this educational activity, and also disclose discussions of unlabeled/unapproved uses of drugs or devices during their presentation(s). The Johns Hopkins University School of Medicine OCME has established policies in place that will identify and resolve all conflicts of interest prior to this educational activity. Detailed disclosure will be made in the activity handout materials.

General Information

REGISTRATION

Saturday, January 28, 2012 • 7:00 a.m.

LOCATION

Thomas B. Turner Building
Johns Hopkins University School of Medicine
720 Rutland Avenue
Baltimore, Maryland 21205

The Turner Building is located on Rutland Avenue at Monument Street. Directions and campus parking information are available on our website under the contact and travel section at www.HopkinsCME.edu. Handicapped parking is available in the nearby Rutland Garage. Complimentary round-trip transportation for attendees staying at conference headquarters hotel will be provided. Johns Hopkins is smoke-free.

Note: For Saturday and Sunday activities only: Complimentary parking is available in the Washington Street Garage.

FEES

REGISTRATION CUT-OFF DATE: January 22, 2012

Methods of Payment: Payment by check or credit card must accompany the registration form prior to the activity. On-site payments by credit card only. Foreign payments must be by credit card or with a U.S. Dollar World Money Order. The registration fee includes instructional materials, continental breakfasts, refreshment breaks and lunches.

	Two Day Fee	One Day Fee
Physicians.....	\$450	\$225
Residents*/Fellows*/Technologists/ Allied Health Professionals.....	\$250	\$125

*with verification of status

You will receive a confirmation by e-mail if you have provided your e-mail address. Otherwise confirmation will be sent by mail. If you have not received it by January 22, 2012, call (410) 502-9634 to confirm that you

are registered. A certificate of attendance will be sent by March 15, 2012 to the e-mail address you provide on the registration form.

The Johns Hopkins University reserves the right to cancel or postpone any activity due to unforeseen circumstances. In this event, the University will refund the registration fee but is not responsible for travel expenses. Additionally, we reserve the right to change the venue to a comparable venue. Under such circumstances registrants will be notified as soon as possible.

LATE FEE AND REFUND POLICY

A \$50 late fee applies to registrations received after 5:00 p.m. EST on January 22, 2012. A handling fee of \$50 will be deducted for cancellation. Refund requests must be received by fax or mail by January 22, 2012. No refunds will be made thereafter. Transfer of registration to another Johns Hopkins conference in lieu of cancellation is not possible.

HOTEL AND TRAVEL INFORMATION

We strongly encourage you to book your accommodations at the Sheraton Inner Harbor Hotel, which is the conference headquarters hotel. The Johns Hopkins Office of CME makes every effort to secure the best rate for overnight accommodations. The rate is part of a negotiated conference package that incorporates many services. By staying at the host hotel and booking within the room block, you help us maintain current conference benefits and keep future registration fees reasonable. Please consider this when making your overnight accommodations decision.

Sheraton Inner Harbor Hotel (888) 962-8300
300 South Charles Street (410) 962-8300
Baltimore, Maryland 21201 FAX: (410) 962-8211
Web Site: www.sheraton.com/innerharbor

HOTEL RESERVATION CUT-OFF DATE: JANUARY 6, 2012

A limited block of sleeping rooms has been reserved for your convenience and will be available on a first come, first served basis.

The Sheraton Inner Harbor Hotel is centrally located in the heart of Baltimore's Inner Harbor. The official hotel of the Baltimore Orioles is just one block from the Convention Center, Harborplace and Camden Yards. Make your reservation online at www.sheraton.com/innerharbor or call the Toll Free Reservation Hot Line at (800) 325-3535 and specify that you are attending the Johns Hopkins Hot Topics in MR Imaging conference to receive the special group rate of \$139, single or double, plus tax. Complimentary roundtrip transportation will be provided to and from the conference venue. On-site parking is also available at an additional charge. Check-in time is 3:00 p.m. Check out time is 12:00 noon.

EVALUATION

An evaluation form will be available to attendees to evaluate each session and each speaker's presentation, as well as to identify future educational needs.

EMERGENCY CALLS

On January 28 - 29, 2012, direct emergency calls to the Hopkins registration desk, (410) 955-3673. Messages will be posted for participants.

AMERICANS WITH DISABILITIES ACT

The Johns Hopkins University School of Medicine fully complies with the legal requirements of the ADA and the rules and regulations thereof. Please notify us if you have any special needs.

ACKNOWLEDGEMENT

Applications for commercial support from health care related industries are pending. A complete list of contributors will be provided in the syllabus.

PROGRAM

SATURDAY, JANUARY 28, 2012

- 7:00 - 7:55 Registration and Continental Breakfast
- 7:55 - 8:00 **Welcome and Conference Goals**
- 8:00 - 8:30 **Nephrogenic Systemic Fibrosis: An Update**
David Bluemke, MD, PhD, MsB, FAHA
- 8:30 - 9:00 **MR Angiography**
Stefan Zimmerman, MD
- 9:00 - 9:30 **MRI of the Breast**
David Bluemke, MD, PhD, MsB, FAHA
- 9:30 - 10:00 **Cardiac MRI**
Stefan Zimmerman, MD
- 10:00 - 10:30 Refreshment Break
- 10:30 - 11:00 **Congenital Cardiac MRI**
Jeremy Burt, MD, PhD
- 11:00 - 11:30 **MRI of the Liver at 3 Tesla**
Ihab R. Kamel, MD, PhD
- 11:30 - 12:00 **MRI of the Adrenals and Kidneys**
David Bonekamp, MD
- 12:00 - 12:30 **MRI of Anal Fistula**
Atif Zaheer, MD
- 12:30 - 12:45 **Questions and Answers**
- 12:45 - 1:45 Lunch
- 1:45 - 2:15 **Basic Physics of MRI**
Scott Pryde, RT (R) (MR)
- 2:15 - 2:45 **Perfusion MRI**
Peter Barker, DPhil
- 2:45 - 3:15 **MRI of the Prostate**
Atif Zaheer, MD
- 3:15 - 3:45 **MR Spectroscopy**
Peter Barker, DPhil
- 3:45 - 4:00 **Questions and Answers**
- 4:00 - 5:30 **Welcome Reception**

SUNDAY, JANUARY 29, 2012

- 7:00 - 8:00 Continental Breakfast
- 8:00 - 8:30 **Dementia Disorders in Adults**
David Yousem, MD
- 8:30 - 9:00 **Spinal Malformations: Embryological-Clinical-Radiological Classification**
Thierry Huisman, MD
- 9:00 - 9:30 **Value of ADC Measurements in Brain Tumors**
David Yousem, MD
- 9:30 - 10:00 **Spinal Cord Tumors in Children**
Thierry Huisman, MD
- 10:00 - 10:30 Refreshment Break
- 10:30 - 11:00 **Tempromandibular Joint Imaging**
David Yousem, MD
- 11:00 - 11:30 **Tumor Like Lesions of the Brain**
Thierry Huisman, MD
- 11:30 - 12:00 **Role of Nursing in MRI**
Marybeth Pule, RN
- 12:00 - 12:30 **MRI Safety Considerations**
Cheryl Shoats, RT (R) (MR)
- 12:30 - 12:45 **Questions and Answers**
- 12:45 - 1:45 Lunch
- 1:45 - 2:15 **Update on Cartilage Imaging – Morphological and Biochemical**
John Carrino, MD, MPH
- 2:15 - 2:45 **Making the Most of 3 Tesla MRI for Sports Medicine**
John Carrino, MD, MPH
- 2:45 - 3:15 **Interventional MRI**
Clifford Weiss, MD
- 3:15 - 3:45 **MRI of Rheumatologic Conditions**
John Carrino, MD, MPH
- 3:45 - 3:55 **Questions and Answers**
- 3:55 - 4:00 Summary
- 4:00 Adjourn – Please complete and return the Evaluation and Credit Report Forms. The Registration Desk will remain open during conference hours.

TO REGISTER OR FOR FURTHER INFORMATION

Register Online www.HopkinsCME.edu
 Register by Phone (credit card only) (410) 502-9634
 Register by Fax (866) 510-7088
 Confirmation/Certificates (410) 502-9634
 General Information (410) 955-2959
 E-mail the Office of CME cmenet@jhmi.edu
 Sponsoring Department Website: <http://www.hopkinsradiology.org/>
 For general information, the direct link for this CME activity web page is:
<http://www.hopkinscme.edu/CourseDetail.aspx/80027954>

The Johns Hopkins University School of Medicine takes responsibility for the content, quality and scientific integrity of this activity.

This schedule is subject to change.

Activity Director

Ihab R. Kamel, MD, PhD
 Associate Professor of Radiology and Radiological Science and Oncology
 Clinical Director, MRI

Speakers

GUEST SPEAKER

David Bluemke, MD, PhD, MsB, FAHA
 Director, Radiology and Imaging Sciences
 National Institutes of Health Clinical Center
 Professor of Radiology and Radiological Science and Medicine
 Johns Hopkins University School of Medicine

JOHNS HOPKINS SPEAKERS

Peter Barker, DPhil
 Professor of Radiology and Radiological Science and Oncology

David Bonekamp, MD
 Clinical Instructor in MR

Jeremy Burt, MD
 Clinical Instructor in MR

John Carrino, MD, MPH
 Associate Professor of Radiology and Radiological Science
 Section Chief, Muskuloskeletal Radiology

Thierry Huisman, MD
 Professor of Radiology and Radiological Science
 Director of Pediatric Radiology

Scott Pryde, RT (R) (MR)
 Chief Imaging Specialist in Radiology and Radiological Science

Marybeth Pule, RN
 Radiology Nursing/ MRI

Cheryl Shoats, RT (R) (MR)
 MRI Manager

Clifford Weiss, MD
 Assistant Professor of Radiology and Radiological Science,
 Surgery and Biomedical Engineering
 Clinical Director, Center for Bioengineering Innovation and Design

David Yousem, MD
 Professor of Radiology and Radiological Science
 Director of Neuroradiology

Atif Zaheer, MD
 Assistant Professor of Radiology and Radiological Science

Stefan Zimmerman, MD
 Assistant Professor of Radiology and Radiological Science

Registration Form

Course Number 80027954

12th Annual Hot Topics in MR Imaging for the Technologist

January 28 - 29, 2012

To Register: Online: www.HopkinsCME.edu **By fax:** (866) 510-7088
By phone (credit card only): (410) 502-9634

Or mail this form to the Johns Hopkins University, Office of Continuing Medical Education, P.O. Box 64128, Baltimore, Maryland 21264-4128. Include check payable to **HOPKINS/80027954**, or include credit card information below.

PAYMENT MUST ACCOMPANY FORM TO CONFIRM YOUR REGISTRATION.

Please type or print clearly:

last name		first name	m.i.	
highest degree	primary specialty			
mailing address				
city	state	ZIP + 4 code	country	
daytime telephone		fax number		
e-mail _____				

You will receive a confirmation notice and your attendance certificate by e-mail if you provide your e-mail address.

Check here if you wish to receive e-mail and/or fax notices about upcoming CME activities.

I plan to stay at the Sheraton Inner Harbor Hotel, Baltimore, Maryland

What do you hope to learn by attending this activity?

Please notify us if you have any special needs.

Registration Fees:	Two Day Fee	One Day Fee
Physicians.....	\$450.....	\$225
Residents*/Fellows*/Technologists/ Allied Health Professionals	\$250.....	\$125
*with verification of status		

For registrations received after 5:00 p.m. EST on January 22, 2012, include a \$50 late fee. On-site registrations are payable only by credit card.

Total amount enclosed \$ _____

Payment Type:

JHU Faculty/Staff Only: If you are using your Tuition Remission Benefit or an ION budget, please complete this registration form and return with appropriate payment processing form to OCME, Turner 20.

Forms can be found on-line at <http://www.hopkinscme.edu/Resources/resources.aspx>.

Check (See instructions on top of form.)
 Credit Card: VISA MASTERCARD DISCOVER AMEX

Card # _____ - _____ - _____ - _____ Exp. Date _____

Name on Card

Signature & Date