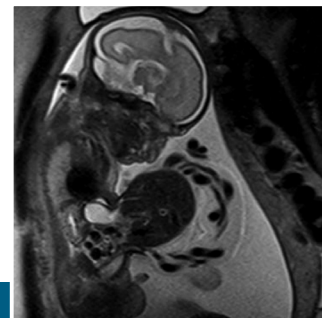
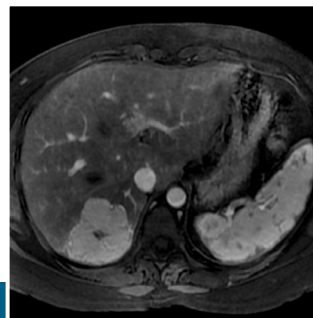
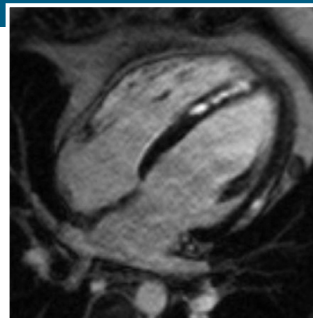


The Russell H. Morgan
Department of Radiology and Radiological Science

Presents

17th Annual

HOT TOPICS IN MR IMAGING *for the Technologist*



February 25-26, 2017

Thomas B. Turner Building
Baltimore, Maryland

Activity Director: **Ihab R. Kamel, MD, PhD**

DATED MATERIAL



17th Annual
**HOT TOPICS IN
MR IMAGING**
for the Technologist

February 25-26, 2017

Non-Profit Org.
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Office of Continuing Medical Education
Turner 20, 720 Rutland Avenue
Baltimore, Maryland 21205-2195



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M E D I C I N E



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M E D I C I N E

DESCRIPTION

The field of MRI is rapidly changing. Significant improvements have been made in safety in the MRI environment, including contrast administration safety. In addition, the role of novel PET/MR machines continues to evolve and could potentially change the way we practice imaging. The role of Breast MRI in screening high risk patients continues to grow and technologists need to be comfortable with performing these imaging studies. 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 with MRI. The one 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:

- Restate basic knowledge of underlying principles of MRI.
- Define and apply the increasing role of MRI in imaging the bowel.
- Define and apply the increasing role of cardiac MRI in clinical practice.
- Discuss newer applications that widen the scope of clinical MRI including “fast” imaging.

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 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 globally disclose conflicts of interest. 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 instructional materials.

General Information

REGISTRATION

Saturday, February 25, 2017 • 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 us link: <https://HopkinsCME.cloud-cme.com>. Handicapped parking is available in the nearby Rutland Garage. **Johns Hopkins is smoke-free.**

Complimentary parking is available in the Washington Street Garage.

FEES

REGISTRATION CUT-OFF DATE: February 19, 2017

Register Online at:

<https://HopkinsCME.cloud-cme.com/aph.aspx?P=5&EID=7197>

Methods of Payment: We require full payment prior to the start of the activity. On-site payments by credit card only. The registration fee includes instructional materials, continental breakfasts, refreshment breaks and lunches.

Registration Fees:

EARLY-BIRD POSTMARKED BEFORE 1/9/2017

	Two Day Fee	One Day Fee
Physicians.....	\$470.....	\$235
Residents*/Fellows*/Technologists/ Allied Health Professionals.....	\$270.....	\$135

POSTMARKED AFTER 1/9/2017

	Two Day Fee	One Day Fee
Physicians.....	\$490.....	\$245
Residents*/Fellows*/Technologists/ Allied Health Professionals.....	\$290.....	\$145
*with verification of status		
Printed Syllabus		\$50

You will receive a confirmation by e-mail. If you have not received it by February 19, 2017, call 410-502-9634 to confirm that you are registered. A transcript of attendance will be sent via email by April 12, 2017.

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. ET on **February 19, 2017**. A handling fee of \$50 will be deducted for cancellation. An additional fee may apply for cancellation of other events, including workshops and social activities. Refund requests must be received by fax or mail by **February 19, 2017**. No refunds will be made thereafter. Transfer of registration to another Johns Hopkins activity in lieu of cancellation is not possible.

SYLLABUS

All registrants will receive a CD with the slides and paper for note-taking. This is included in the cost of your registration. A link to the syllabus will be provided via email shortly before the activity begins if you prefer to study or print the syllabus. A printed copy may be ordered at the time of registration for an additional fee of \$50. The printed copy will be provided during activity registration. Cancellations or refunds for the printed copy will not be permitted.

SOCIAL EVENT

A complimentary reception for registrants and faculty will be held Saturday, February 25, 2017 immediately following the general session. Please indicate your attendance on the registration form if you plan to participate.

EMERGENCY CALLS

On February 25 and 26, direct emergency calls to the Hopkins registration desk, (410) 955-3673. Messages will be posted for participants.

HOTEL INFORMATION

Hilton Garden Inn Baltimore— (888) 429-7482
Harbor East (410) 234-0065
625 South President Street FAX: (410) 234-0299
Baltimore, Maryland 21202
Web Site: www.baltimoreinnerharbor.stayghi.com

HOTEL RESERVATION CUT-OFF DATE: JANUARY 25, 2017

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

The Hilton Garden Inn Baltimore Inner Harbor, pleasantly situated in Harbor East, blends well with its fashionable surroundings and offer excellent accommodations within walking distance of downtown Baltimore. Make your reservation online at <http://group.hiltongardeninn.com/7thAnnualJHMRICConference> or call the hotel directly and specify that you are attending the **Johns Hopkins 17th Annual Hot Topics in MR Imaging for the Technologist course** to receive the special group rate of \$139, single or double, plus tax. Complimentary roundtrip transportation will be provided. On-site parking is available at an additional charge. Check-in time is 3:00 p.m. Check-out time is 12:00 p.m.

EVALUATION AND OUTCOMES SURVEY

Post activity, an online evaluation form will be available to attendees to evaluate the activity and individual presentations and identify future educational needs. Upon completion of the evaluation, the learner must attest to the number of hours in attendance. Credits earned will be added to the learner's transcript and immediately available for print. A survey will be sent to all physician attendees within three months post activity to assist us in determining what impact this activity had on the learner's practice.

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.*

PROGRAM

SATURDAY, FEBRUARY 25, 2017

7:00 – 7:55	Registration and Continental Breakfast
7:55 – 8:00	Welcome and Conference Goals
8:00 – 8:30	Clinical Applications of MRI PET David Bluemke, MD, PhD, MsB, FAHA
8:30 – 9:00	MRA Bruce Wasserman, MD
9:00 – 9:30	Breast MRI: Indications and Techniques David Bluemke, MD, PhD, MsB, FAHA
9:30 – 10:00	Update on Black Blood Imaging Bruce Wasserman, MD
10:00 – 10:30	Refreshment Break
10:30 – 11:00	Cardiac MRI: The Basics Stefan Zimmerman, MD
11:00 – 11:30	Phase Contrast Cardiac MRI: From 2D to 4D Linda Chu, MD
11:30 – 12:00	Managing Common MRI Artifacts Stefan Zimmerman, MD
12:00 – 12:30	Renal and Adrenal MRI Linda Chu, MD
12:30 – 12:45	Questions and Answers
12:45 – 1:30	Lunch
1:30 – 2:00	MRI of Anal Fistula Atif Zaheer, MD
2:00 – 3:00	Vendor-Specific Sequence Optimization 2:00 – 2:15 Siemens 2:15 – 2:30 GE 2:30 – 2:45 Philips 2:45 – 3:00 Toshiba
3:00 – 3:30	Questions and Answers
3:30 – 5:00	Welcome Reception

SUNDAY, FEBRUARY 26, 2017

7:00 – 8:00	Registration and Continental Breakfast
8:00 – 8:30	Perfusion MRI Peter Barker, DPhil
8:30 – 9:00	Magnetic Susceptibility Imaging Peter Van Zijl, PhD
9:00 – 9:30	MR Spectroscopy Peter Barker, DPhil
9:30 – 10:00	CEST: Oncologic Applications Peter Van Zijl, PhD
10:00 – 10:30	Refreshment Break
10:30 – 11:00	MRI of the Brachial Plexus Shivani Ahlawat, MD
11:00 – 11:30	MRI of Musculoskeletal Tumors Laura Fayad, MD
11:30 – 12:00	DWI – MSK Applications Shivani Ahlawat, MD
12:00 – 12:30	MRI of the Knee Laura Fayad, MD
12:30 – 12:45	Questions and Answers
12:45 – 1:30	Lunch
1:30 – 2:00	Imaging of the Liver/MRCP Ihab Kamel, MD, PhD
2:00 – 3:00	Gadolinium-Based Contrast Agents: Safety and Indications 2:00 – 2:20 Bracco 2:20 – 2:40 Bayer 2:40 – 3:00 Guerbet
3:00 – 3:30	Questions and Answers
3:30	Adjourn

You will receive an email notification to complete the evaluation form and to attest to the number of hours in attendance. The registration desk will remain open during conference hours.

The Johns Hopkins University School of Medicine takes responsibility for the content, quality and scientific integrity of this CME activity. This schedule is subject to change.

TO REGISTER OR FOR FURTHER INFORMATION

Register Online	https://hopkinscme.cloud-cme.com/aph.aspx?P=5&EID=7197
Register by Phone	(410) 502-9634
Register by Fax	(866) 510-7088
Confirmation/Transcripts	(410) 502-9634
General Information	(410) 955-2959
E-mail the Office of CME	cmenet@jhmi.edu

Follow us on Twitter: <http://twitter.com/HopkinsCME>
Facebook: <http://www.facebook.com/HopkinsCME>

For general information, the direct link for this CME activity web page
<https://hopkinscme.cloud-cme.com/aph.aspx?P=5&EID=7197>

NEW! Check out our mobile app **CloudCME**.
Organization Code: HopkinsCME



For website and CloudCME mobile app technical difficulties,
email: cmetechsupport@jhmi.edu

ACKNOWLEDGEMENT

Applications for commercial support from health care related industries are pending. A complete list of contributors will be provided in the syllabus. Please note that commercial support received is solely for the educational component of the activity and will not be used to provide food and beverage.

Please note: The Physician Payments Sunshine Act was enacted by Congress to increase public awareness of financial relationships between drug and medical device manufacturers and physicians. In compliance with the requirements of this Act, the commercial supporter/s of this activity may require the Johns Hopkins University School of Medicine to report certain professional information (such as name, address, National Provider Identifier (NPI), and State License number) of physician attendees who receive complimentary food and beverage in conjunction with a CME activity. The commercial supporter is required to submit the collected data to the Centers for Medicare and Medicaid Services which will then publish the data on its website.

SPEAKERS

Activity Director

Ihab Kamel, MD, PhD

Professor of Radiology and Radiological Science
Clinical Director, MRI

Johns Hopkins Speakers

Shivani Ahlawat, MD

Assistant Professor of Radiology and Radiological Science
Musculoskeletal Radiology

Peter Barker, DPhil

Professor of Radiology and Radiological Science

Linda Chu, MD

Assistant Professor of Radiology
and Radiological Science
Diagnostic Imaging

Laura Fayad, MD

Associate Professor of Radiology and Radiological Science
Director, Musculoskeletal Radiology

Peter Van Zijl, PhD

Professor of Radiology and Radiological Science

Bruce Wasserman, MD

Professor of Radiology and Radiological Science
Neuroradiology

Atif Zaheer, MD

Associate Professor of Radiology and Radiological Science
Diagnostic Imaging

Stefan Zimmerman, MD

Associate Professor of Radiology and Radiological Science
Director, Cardiac Imaging

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
The Johns Hopkins University School of Medicine

Registration Form

Course Number 80040573/7197

17th Annual Hot Topics in MR Imaging for the Technologist

February 25 – 26, 2017

To Register:

Online: <https://hopkinscme.cloud-cme.com/aph.aspx?P=5&EID=7197>

By fax: (866) 510-7088 **By phone:** (410) 502-9634

Or mail this form to the Johns Hopkins University, Office of Continuing Medical Education, 720 Rutland Avenue, Room Turner 20, Baltimore, Maryland 21205-2195. Include eCheck or credit card information below.

FULL PAYMENT IS REQUIRED PRIOR TO THE START OF ACTIVITY.

I am a Johns Hopkins Speaker for this activity *Please type or print clearly*

last name		first name		m.i.
highest degree	primary specialty		Hopkins faculty/staff only JHED ID	
For Physicians Only:	NPI – 10 digits	State License #	State of License	
mailing address				
city		state	ZIP	country
daytime telephone		fax number		
e-mail (required)				

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

I plan to stay at the *Hilton Garden Inn Baltimore Inner Harbor, Maryland* in Baltimore, Maryland.

What do you hope to learn by attending this activity? _____

Please notify us if you have any special needs. _____

Social Event: *Please indicate your attendance.*

Yes, I will attend the Welcome Reception (included in registration fee).

Registration Fees:

EARLY-BIRD postmarked before 1/9/2017 **Two Day Fee** **One Day Fee**

Physicians\$470.....\$235

Residents*/Fellows*/Technologists/ Indicate Day _____

Allied Health Professionals\$270.....\$135

Indicate Day _____

REGULAR postmarked after 1/9/2017 **Two Day Fee** **One Day Fee**

Physicians\$490.....\$245

Residents*/Fellows*/Technologists/ Indicate Day _____

Allied Health Professionals\$290.....\$145

*with verification of status Indicate Day _____

Hard Copy of Syllabus\$50

The registration fee includes instructional materials and food and beverage. For registrations received after 5:00 p.m. ET on February 19, 2017, include a \$50 late fee. On-site registrations are payable only by credit card.

Payment Type: Total amount \$ _____

JHU Faculty/Staff Only: If you are using your Tuition Remission Benefit or an ION budget, please upload your fully completed and approved form in the payment section of the online activity link above.
 TR Form: <http://benefits.jhu.edu/documents/trffacandstaff.pdf>
 ION Form: <http://hopkinscme.edu/migration/IonRequest.pdf>

Check: Routing # _____ Account # _____

Credit Card: VISA MASTERCARD DISCOVER AMEX

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

Billing Zip Code _____ Security Code _____

Name on Card _____ Signature & Date _____