



JOHNS HOPKINS
M E D I C I N E

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

Non-Profit Org.
U.S. Postage
PAID
Bellmawr, NJ
Permit No. 2134

Second Annual
**HOT TOPICS IN
MR IMAGING**
*for the Technologist –
Fall Course*

September 29 - 30, 2018



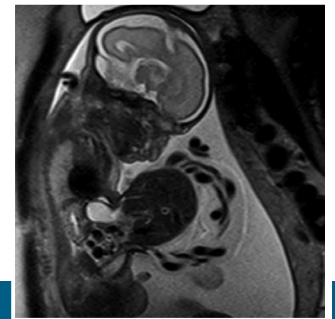
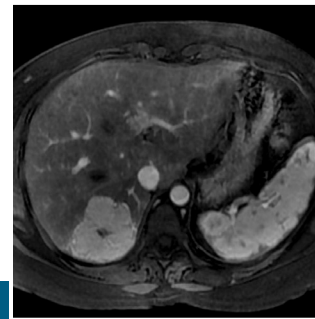
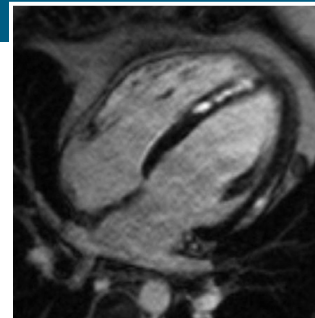
DATED MATERIAL

Check out our mobile app CloudCME:  CloudCME
Organization Code: HopkinsCME
<https://hopkinscme.cloud-cme.com/aph.aspx?P=5&EID=1466>

CONTINUING MEDICAL EDUCATION

The Johns Hopkins University
Department of Radiology and Radiological Science
Presents

Second Annual
**HOT TOPICS IN
MR IMAGING**
*for the Technologist –
Fall Course*



September 29-30, 2018

Harrah's Hotel & Casino
Las Vegas, Nevada

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



JOHNS HOPKINS
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 DESIGNATION STATEMENT

American Healthcare Radiology Administrators

This activity has been approved by AHRA, the approving RCEEM: The Association for Medical Imaging Management for a maximum of 14.5 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, September 29, 2018 – 7:00 a.m.

LOCATION

HARRAH'S LAS VEGAS HOTEL & CASINO

3475 Las Vegas Boulevard South
Las Vegas, NV 89109

FEES

REGISTRATION CUT-OFF DATE: SEPTEMBER 24, 2018

Register Online at: <https://hopkinscme.cloud-cme.com/aph.aspx?P=56&EID=14666>

Methods of Payment: We require full payment prior to the start of 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, breakfast vouchers, and refreshments.

EARLY-BIRD POSTMARKED BEFORE 8/10/2018

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

STANDARD POSTMARKED BEFORE 9/24/2018

	Two Day Fee	One Day Fee
Physicians.....	\$490	\$245
Residents*/Fellows*/Technologists/ Allied Health Professionals.....	\$290	\$145

*with verification of status

You will receive a confirmation by e-mail. If you have not received it by **September 24, 2018**, call (410) 502-9636 to confirm that you are registered. A certificate of attendance will be sent via email no later than October 31, 2018.

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 **September 24, 2018**. 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 **September 24, 2018**. 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 flash drive 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. The syllabus will also be accessible on our Cloud CME website and via your mobile device in the CloudCME App prior to the activity.

HOTEL AND TRAVEL INFORMATION

HOTEL RESERVATION CUT-OFF DATE: August 29, 2018

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

HARRAH'S LAS VEGAS HOTEL & CASINO

3475 Las Vegas Boulevard South
Las Vegas, NV 89109

<https://www.caesars.com/harrahs-las-vegas/harrahs-las-vegas-map>

Make your reservation online at <https://aws.passkey.com/go/SHHOT8> or call the hotel directly, 888-458-8471, and specify that you are attending the Johns Hopkins **Second Annual Hot Topics in MR Imaging for the Technologist—Fall Course** to receive the special group rate of \$115 per night, plus taxes and resort fee. On-site parking is available at an additional charge. Check-in time is 4:00 p.m. Check-out time is 11:00 a.m.

EVALUATION

Post activity, an online evaluation will be available to attendees to evaluate the activity and individual presentations and to identify future educational needs. Please enter 0.0 credits in the evaluation as ARRT credit certificates are handled outside of the Cloud CME system. The last day to access the evaluation is November 14, 2018.

HOW TO OBTAIN CREDIT

You must turn in your attendance verification form(s) to the registration desk prior to your departure. Please be sure you have completed the form(s) entirely including the session codes you attended. You will receive your certificate via email no later than October 31, 2018.

EMERGENCY CALLS

On September 29-30, direct emergency calls to 800-214-9110 and ask that a message be sent to the Johns Hopkins registration desk. 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.**

PROGRAM

SATURDAY, SEPTEMBER 29, 2018

- 7:00 – 7:55 Registration and Breakfast
- 7:55 – 8:00 **Welcome and Conference Goals**
Ihab R. Kamel, MD, PhD
- 8:00 – 8:40 **Cardiac MRI: The Basics**
Stefan Zimmerman, MD
- 8:40 – 9:20 **Patients with Devices: MR Safety Considerations**
Ihab R. Kamel, MD, PhD
- 9:20 – 10:00 **Contrast and Non-Contrast MRA**
Stefan Zimmerman, MD
- 10:00 – 10:20 Refreshment Break
- 10:20 – 11:00 **Managing Common MRI Artifacts**
Stefan Zimmerman, MD
- 11:00 – 11:40 **Imaging the Female Pelvis**
Ihab R. Kamel, MD, PhD
- 11:40 – 12:20 **Dynamic Pelvic MRI: How to Get the Most Out of It**
Atif Zaheer, MD
- 12:20 – 12:30 **Questions and Answers**
- 12:30 – 1:15 Lunch
- 1:15 – 1:55 **MR Imaging of the Prostate: What the Physician Needs to Know**
Atif Zaheer, MD
- 1:55 – 2:35 **MR Enterography: Technique and Indications**
Ihab R. Kamel, MD, PhD
- 2:35 – 3:15 **Rectal MRI: Protocol Optimization for Rectal Cancer Staging**
Atif Zaheer, MD

SUNDAY, SEPTEMBER 30, 2018

- 7:00 – 8:00 Registration and Breakfast
- 8:00 – 8:40 **Preoperative Brain MRI**
Haris Sair, MD
- 8:40 – 9:20 **MR Neurography of the Lumbosacral Plexus**
Jan Fritz, MD
- 9:20 – 10:00 **Functional MR Imaging of the Brain**
Haris Sair, MD
- 10:00 – 10:20 Refreshment Break
- 10:20 – 11:00 **Advanced White Matter Imaging**
Haris Sair, MD
- 11:00 – 11:40 **Metal Artifact Reduction Sequences (MARS) at 1.5T and 3T**
Jan Fritz, MD
- 11:40 – 12:20 **Imaging of Neurodegenerative Disorders**
Haris Sair, MD
- 12:20 – 12:30 **Questions and Answers**
- 12:30 – 1:15 Lunch
- 1:15 – 1:55 **Rapid High Resolution MRI of the Joints**
Jan Fritz, MD
- 1:55 – 2:35 **Optimizing MRI Protocols for MSK**
Jan Fritz, MD
- 2:35 – 3:15 **Gadolinium-based Contrast Agents: Safety Considerations**
Ihab R. Kamel, MD, PhD
- 3:15 Adjourn

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=14666>

Register by Phone (410) 502-9636
Register by Fax (866) 510-7088
Confirmation/Certificates/Transcripts (410) 502-9636
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>



Check out our mobile app CloudCME.

Organization Code: **HopkinsCME**

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

Sponsoring Department, Radiology and Radiological Science

website: <http://www.hopkinsmedicine.org/radiology/>

For general information, please visit the activity webpage at <https://hopkinscme.cloud-cme.com/aph.aspx?P=5&EID=14666>

SPEAKERS

ACTIVITY DIRECTOR

Ihab R. Kamel, MD, PhD

Professor of Radiology and Radiological Science and Oncology
Clinical Director, MRI

JOHNS HOPKINS SPEAKERS

Jan Fritz, MD

Assistant Professor of Radiology and Radiological Science

Haris Sair, MD

Associate Professor of Radiology and Radiological Science

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

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.

Registration Form

Course Number 80046199/14666

Second Annual

Hot Topics in MR Imaging for the Technologist – Fall Course

September 29 – 30, 2018

To Register:

Online: <https://hopkinscme.cloud-cme.com/aph.aspx?P=5&EID=14666>

By fax: (866) 510-7088 **Phone (credit card only):** (410) 502-9636

Or mail this form to the Johns Hopkins University, Office of Continuing Medical Education, 720 Rutland Avenue, Room 20, Baltimore, Maryland 21205-2195. Include e-check 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		MI
Highest Degree	Primary Specialty		Hopkins Faculty/Staff Only – JHED ID:	
For Physicians Only – NPI 10 Digit #:		State of License #:		State of License:
Organization			Mailing Address	
City		State	Zip + 4 Code	Country
Daytime Telephone			Fax Number	
Email (required)				

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

I plan to stay at the *Harrah's Las Vegas Hotel and Casino*.

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

Please notify us if you have any special needs. _____

Registration Fees:

EARLY-BIRD (Postmarked before 8/10/2018) **Two Day Fee** **One Day Fee**

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

Residents*/Fellows*/Technologists/

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

*with verification of status

REGULAR (Postmarked before 9/24/2018) **Two Day Fee** **One Day Fee**

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

Residents*/Fellows*/Technologists/

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

*with verification of status

The registration fee includes instructional materials and food and beverage. For registrations received after 5:00 p.m. ET on **September 24, 2018**, 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>

e-Check: Routing #: _____ Account #: _____

Credit Card: VISA MASTERCARD DISCOVER AMEX

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

Billing Zip Code _____ Security Code _____

Name on Card

Signature & Date