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DATED MATERIAL



**HOT TOPICS IN MR IMAGING**  
*For the Technologist – Spring Course*

April 25 – 26, 2020  
Nashville, Tennessee

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Organization Code: **HopkinsCME**  
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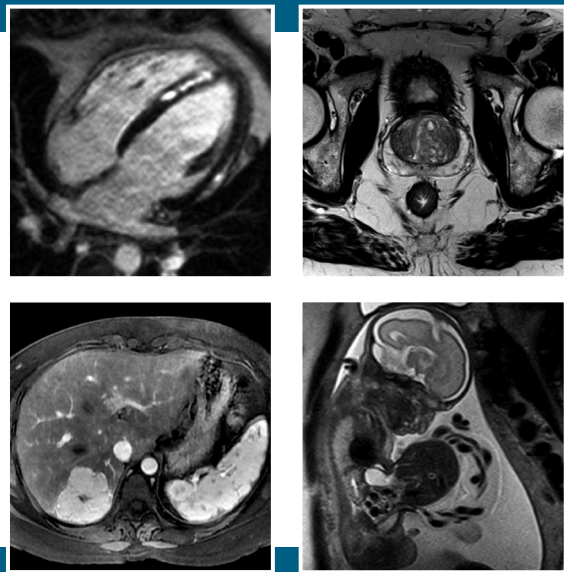
CONTINUING MEDICAL EDUCATION



**Johns Hopkins School of Medicine**  
**Department of Radiology**  
**and Radiological Science**

Presents

**HOT TOPICS IN MR IMAGING**  
*For the Technologist – Spring Course*



**April 25-26, 2020**

Gaylord Opryland Resort and Convention Center  
Nashville, Tennessee

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



**DESCRIPTION**

The field of MRI continues to evolve. As more magnets become available, and with the increasing use of higher field strengths, MR safety awareness becomes of paramount importance for MRI technologists, radiologists, patients, and personnel working in the MRI environment. It is crucial that technologists and other radiology staff receive the latest updates and education in MRI technology, not only to maintain their national license requirements but to be able to provide the best care to our patients. The only way to accomplish this goal is to provide an annual educational activity where we select leaders in the field of MRI to discuss the changes in MRI and how these changes impact the delivery of health 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.
- Discuss safety considerations of gadolinium-based contrast agents.
- Define and apply the increasing role of MRI in imaging the prostate.
- Discuss the increasing role of MRI in neurological applications.

**AMERICAN HEALTHCARE RADIOLOGY ADMINISTRATORS**

This activity has been approved by AHRA, the approving RCEEM: The Association for Medical Imaging Management for a maximum of 12 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 PRESENTER AND PROVIDER DISCLOSURE**

It is the policy of the Johns Hopkins School of Medicine that the presenter and provider globally disclose conflicts of interest. The Johns Hopkins School of Medicine OCME has established policies that will identify and resolve conflicts of interest prior to this educational activity. Detailed disclosure will be made prior to presentation of the education.

**GENERAL INFORMATION**

**REGISTRATION**

Saturday, April 25, 2020 – 7:00 a.m.

**LOCATION**

**Gaylord Opryland Resort and Convention Center**  
2800 Opryland Drive  
Nashville, TN 37214

**FEES**

**Register Online:**  
[hopkinscme.cloud-cme.com/aph.aspx?P=5&EID=17463](http://hopkinscme.cloud-cme.com/aph.aspx?P=5&EID=17463)

**Methods of Payment:** We require full payment prior to the start of the activity. On-site payments by credit card only. **Early bird registration is available for registrations received prior to 5:00 p.m. ET on February 14, 2020.** The registration fee includes instructional materials, continental breakfasts, refreshment breaks and lunches.

**EARLY-BIRD POSTMARKED Before 2/14/2020**

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

**STANDARD POSTMARKED After 2/14/2020**

	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 **April 19, 2020**, call (410) 502-9636 to confirm that you are registered. A transcript of attendance will be available upon attestation of your credit hours and submission of the post activity online evaluation.

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 **April 19, 2020**. 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 **April 19, 2020**. No refunds will be made thereafter. Transfer of registration to another Johns Hopkins activity in lieu of cancellation is not possible.

**SYLLABUS**

The syllabus will be accessible online and via your mobile device in the CloudCME App prior to the activity.

**HOTEL AND TRAVEL INFORMATION**

**Gaylord Opryland Resort and Convention Center**  
2800 Opryland Drive  
Nashville, TN 37214

(877) 491-7397  
(615) 889-1000

**HOTEL RESERVATION CUT-OFF DATE: March 24, 2020**

Enjoy a warm, southern welcome at the Gaylord Opryland Hotel and Convention Center. Connect with the heart of downtown Nashville at the Country Music Hall of Fame or experience the awe of The

Grand Ole Opry. The Nashville International Airport is also just minutes away. Make your reservation online at [book.passkey.com/e/49998435](http://book.passkey.com/e/49998435) or call the hotel directly at (877) 491-7397 and specify that you are attending the Johns Hopkins School of Medicine conference to receive the special group rate of **\$219 per night**, single or double, plus tax. A daily resort fee of **\$20** will apply. The resort fee includes in-room wireless internet access and other hotel amenities.

We strongly encourage you to book your accommodations at the Gaylord Opryland Hotel and Convention Center which is the conference headquarters hotel. The Johns Hopkins Office of CME makes every effort to secure the best rate for overnight accommodations. The rates are 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.

**HOW TO OBTAIN CREDIT**

Post activity, an online evaluation will be available to attendees to evaluate the activity and individual presentations and to 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. **The last day to access the evaluation and attest to your credits is June 10, 2020.**

An outcome survey will be sent to all physician attendees within two 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 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.

**JOHNS HOPKINS**  
MEDICINE  
Office of Continuing Medical Education  
720 Rutland Avenue / Turner, 20  
Baltimore, Maryland 21205-2195

**PROGRAM**

**SATURDAY, APRIL 25, 2020**


7:00 – 7:55	Registration and Breakfast
7:55 – 8:00	<b>Welcome and Conference Goals</b> Ihab R. Kamel, MD, PhD
8:00 – 8:40	<b>MRI of the Female Pelvis: The Basics</b> Linda Chu, MD
8:40 – 9:20	<b>Cardiac MRI</b> Stefan Zimmerman, MD
9:20 – 10:00	<b>Renal and Adrenal MRI</b> Linda Chu, MD
10:00 – 10:20	Refreshment Break
10:20 – 11:00	<b>MR Enterography</b> Linda Chu, MD
11:00 – 11:40	<b>Contract and Non-Contrast MRA</b> Stefan Zimmerman, MD
11:40 – 12:20	<b>Dynamic MRI of the Pelvis</b> Atif Zaheer, MD
12:20 – 12:30	<b>Questions and Answers</b>
12:30 – 1:00	Lunch
1:00 – 1:40	<b>MRI of Prostate</b> Atif Zaheer, MD
1:40 – 2:20	<b>Managing Common MRI Artifacts</b> Stefan Zimmerman, MD
2:20 – 3:00	<b>Rectal Cancer MRI</b> Atif Zaheer, MD

**SUNDAY, APRIL 26, 2020**

7:00 – 8:00	Registration and Breakfast
8:00 – 8:40	<b>MRI of the Skull Base</b> Rohini Nadgir, MD
8:40 – 9:20	<b>MRI of Patients with Devices</b> Ihab R. Kamel, MD, PhD
9:20 – 10:00	<b>Post-Treatment Imaging of Head and Neck Tumors</b> Rohini Nadgir, MD
10:00 – 10:20	Refreshment Break
10:20 – 11:00	<b>MR Imaging of Infections of the Brain</b> Rohini Nadgir, MD
11:00 – 11:40	<b>Gadolinium Safety</b> Ihab R. Kamel, MD, PhD
11:40 – 12:20	<b>MRI of the Knee</b> Shadpour Demehri, MD
12:20 – 12:30	<b>Questions and Answers</b>
12:30 – 1:00	Lunch
1:00 – 1:40	<b>MRI of the Shoulder</b> Shadpour Demehri, MD
1:40 – 2:20	<b>MRI of Parenchymal Liver Disease</b> Ihab R. Kamel, MD, PhD
2:20 – 3:00	<b>MRI of the Wrist</b> Shadpour Demehri, MD
3:00	Adjourn

**TO REGISTER OR FOR FURTHER INFORMATION**

**Register Online:**  
[hopkinscme.cloud-cme.com/aph.aspx?P=5&EID=17463](http://hopkinscme.cloud-cme.com/aph.aspx?P=5&EID=17463)  
 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](mailto:cmenet@jhmi.edu)  
 Follow us on Twitter: [twitter.com/HopkinsCME](https://twitter.com/HopkinsCME)  
 Facebook: [facebook.com/HopkinsCME](https://facebook.com/HopkinsCME)

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

For website and CloudCME mobile app technical difficulties, email: [cmtechsupport@jhmi.edu](mailto:cmtechsupport@jhmi.edu)

Sponsoring Department Website: [hopkinsmedicine.org/radiology/](http://hopkinsmedicine.org/radiology/)

For general information, please visit the activity webpage at [hopkinscme.cloud-cme.com/aph.aspx?P=5&EID=17463](http://hopkinscme.cloud-cme.com/aph.aspx?P=5&EID=17463)

*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 School of Medicine takes responsibility for the content, quality and scientific integrity of this CME activity.*

*This schedule is subject to change.*

**SPEAKERS**

**ACTIVITY DIRECTOR**

**Ihab R. Kamel, MD, PhD**  
 Professor of Radiology and Radiological Science and Oncology  
 Chairman, Department of Imaging  
 Johns Hopkins Bayview Medical Center  
 Clinical Director, MRI  
 The Johns Hopkins Hospital

**JOHNS HOPKINS SPEAKERS**

**Linda Chu, MD**  
 Assistant Professor of Radiology and Radiological Science  
 Division of Diagnostic Imaging

**Shadpour Demehri, MD**  
 Associate Professor of Radiology and Radiological Science  
 Division of Musculoskeletal Radiology

**Rohini Nadgir, MD**  
 Assistant Professor of Radiology and Radiological Science  
 Division of Neuroradiology

**Atif Zaheer, MD**  
 Associate Professor of Radiology and Radiological Science  
 Division of Diagnostic Imaging

**Stefan Zimmerman, MD**  
 Associate Professor of Radiology and Radiological Science  
 Division of Diagnostic Imaging

**ACKNOWLEDGMENT**

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 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 80048229/17463

**Hot Topics in MR Imaging  
for the Technologist – Spring Course  
April 25-26, 2020**

**To Register:**  
**Online:** [hopkinscme.cloud-cme.com/aph.aspx?P=5&EID=17463](http://hopkinscme.cloud-cme.com/aph.aspx?P=5&EID=17463)  
**By fax:** (866) 510-7088 **By phone:** (410) 502-9636

Or mail this form to the Johns Hopkins University, Office of Continuing Medical Education, 720 Rutland Avenue, Turner 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		M.I.
Highest Degree	Primary Specialty		Hopkins Faculty/Staff Only –JHED ID	
Organization		Mailing Address		
City		State	ZIP + 4 Code	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 Gaylord Opryland Resort and Convention Center in Nashville, Tennessee.

What do you hope to learn by attending this activity?

Please notify us if you have any special needs.

<b>EARLY-BIRD POSTMARKED Before 2/14/2020</b>	Two Day Fee	One Day Fee
<input type="checkbox"/> Physicians	\$470	\$235
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<b>POSTMARKED After 2/14/2020</b>	Two Day Fee	One Day Fee
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*\*with verification of status*

Total amount \$ \_\_\_\_\_

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**Payment Type:**

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: [hr.jhu.edu/wp-content/uploads/2019/03/trffacandstaff.pdf](http://hr.jhu.edu/wp-content/uploads/2019/03/trffacandstaff.pdf)  
 ION Form: [hopkinscme.edu/migration/IonRequest.pdf](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 and Date \_\_\_\_\_