

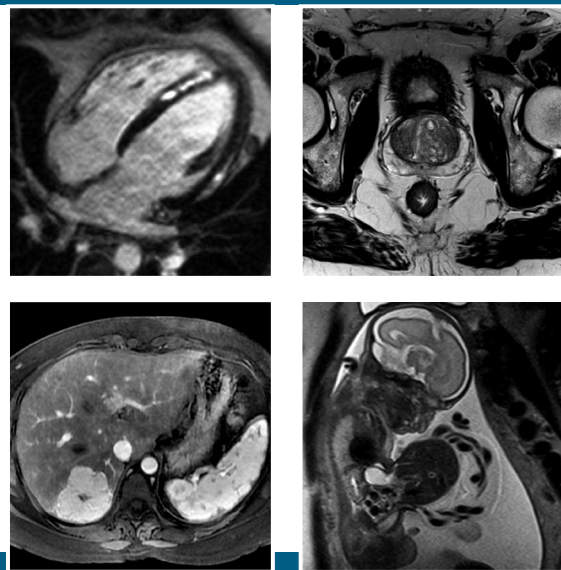
CONTINUING MEDICAL EDUCATION

The Johns Hopkins University  
Department of Radiology and Radiological Science

Presents

Third Annual

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



**September 28-29, 2019**

Harras Hotel & Casino  
Las Vegas, Nevada

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



**DESCRIPTION**

The field of MRI is rapidly changing. 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. Safety of Gadolinium contrast agents continues to be important and technologists should learn how to screen patients who might be at risk for developing side effects or complications to those agents. The role of MRI in scanning patients with cardiac devices continues to grow and technologists need to be familiar with performing these imaging studies. The indications for performing prostate MRI continue to rise, especially with the use of MRI/Ultrasound image fusion to guide biopsy. MRI technologists need to be familiar with the optimized imaging technique for pediatric applications. 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.
- Discuss safety consideration of gadolinium-based contrast agents.
- Define and apply the increasing role of MRI in imaging the prostate.
- Discuss the increasing role of MRI in pediatric applications.

**GENERAL INFORMATION**

**REGISTRATION**

Saturday, September 28, 2019 – 7:00 a.m.

**LOCATION**

HARRAH'S LAS VEGAS HOTEL & CASINO  
3475 Las Vegas Boulevard South  
Las Vegas, NV 89109

**FEES**

**Register Online:**

[hopkinscme.cloud-cme.com/aph.aspx?P=5&EID=18112](http://hopkinscme.cloud-cme.com/aph.aspx?P=5&EID=18112)

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 August 9, 2019. The registration fee includes instructional materials, continental breakfasts, refreshment breaks and lunches.

**EARLY-BIRD POSTMARKED Before 8/09/2019**

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

**STANDARD POSTMARKED Before 9/20/2019**

	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 20, 2019**, 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 **September 20, 2019**. 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 20, 2019**. 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 be accessible online and via your mobile device in the CloudCME App prior to the activity.

**HOTEL AND TRAVEL INFORMATION**

**HOTEL RESERVATION CUT-OFF DATE:  
September 4, 2019**

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

[caesars.com/harrahs-las-vegas/harrahs-las-vegas-map](http://caesars.com/harrahs-las-vegas/harrahs-las-vegas-map)

**American Healthcare Radiology Administrators**

This activity has been approved by AHRA, the approving RCEEM: The Association for Medical Imaging Management for a maximum of 15 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 that will identify and resolve conflicts of interest prior to this educational activity. Detailed disclosure will be made prior to presentation of the education.

Make your reservation online at [book.passkey.com/go/SHHOT9](http://book.passkey.com/go/SHHOT9) or call the hotel directly, 888-458-8471, and specify that you are attending the Johns Hopkins Hot Topics in MR Imaging for the Technologist – Fall Course to receive the special group rate of \$115 per night, plus taxes and a \$35 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.

**CREDIT FOR TECHNOLOGISTS**

To receive credit, listen for the unique code for each session and record that code on the technologist attendance sheet provided to you. You will need to enter the codes in the online post activity evaluation which will be available at the conclusion of the activity. You must attend each day/session in its entirety to obtain credit. No partial credit will be given.

**EVALUATIONS**

Following the activity each attendee will be able to access the post-activity evaluation via the My CME section after signing in at [hopkinscme.cloud-cme.com](http://hopkinscme.cloud-cme.com). The evaluation must be completed by **October 29, 2019** in order to receive your certificate of credit. Your certificate will be emailed after **October 29, 2019**. The evaluations are most helpful to us in planning future programs, and we appreciate your comments and suggestions. We ask you to evaluate each speaker.

**EMERGENCY CALLS**

On September 28-29, 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.

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Third Annual

**HOT TOPICS IN  
MR IMAGING**

*For the Technologist – Fall Course*

September 28 – 29, 2019

Las Vegas, Nevada

Check out our mobile app CloudCME. CloudCME  
Organization Code: **HopkinsCME**  
[hopkinscme.cloud-cme.com/aph.aspx?P=5&EID=18112](http://hopkinscme.cloud-cme.com/aph.aspx?P=5&EID=18112)

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

**PROGRAM**

**SATURDAY, SEPTEMBER 28, 2019**

- 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**  
Linda Chu, MD
- 8:40 – 9:20 **MRI/MRA of Vascular Anomalies in Children**  
Aylin Tekes, MD
- 9:20 – 10:00 **MR Imaging of Renal and Adrenals**  
Linda Chu, MD
- 10:00 – 10:20 Refreshment Break
- 10:20 – 11:00 **Abusive Head Trauma in Children**  
Aylin Tekes, MD
- 11:00 – 11:40 **MR Enterography**  
Linda Chu, MD,
- 11:40 – 12:20 **Sinusitis in Children: When, How and What to Image**  
Aylin Tekes, MD
- 12:20 – 12:30 **Questions and Answers**  
Lunch
- 12:30 – 1:00 **Safety of Gadolinium-Based Contrast Agents: The Debate Continues**  
1:00 – 1:20 Introduction (Ihab R. Kamel, MD, PhD)  
1:20 – 1:40 Bayer  
1:40 – 2:00 Bracco  
2:00 – 2:20 Guerbet  
2:20 – 3:00 Question and Answer

**SUNDAY, SEPTEMBER 29, 2019**

- 7:00 – 8:00 Registration and Breakfast
- 8:00 – 8:40 **Dynamic Pelvic MRI: How to Get the Most Out**  
Atif Zaheer, MD
- 8:40 – 9:20 **MR of the Cranial Nerves**  
Sachin Gujar, MD
- 9:20 – 10:00 **Rectal MRI: Protocol Optimization for Rectal Cancer Staging**  
Atif Zaheer, MD
- 10:00 – 10:20 Refreshment Break
- 10:20 – 11:00 **Functional MR Imaging of the Brain**  
Sachin Gujar, MD
- 11:00 – 11:40 **Prostate MRI**  
Atif Zaheer, MD
- 11:40 – 12:20 **Imaging of Common Adult Brain Tumors**  
Sachin Gujar, MD
- 12:20 – 12:30 **Questions and Answers**  
Lunch
- 12:30 – 1:00 **MRI of Parenchymal Liver Disease**  
Ihab R. Kamel, MD, PhD
- 1:00 – 1:40 **MRI of the Female Pelvis**  
Ihab R. Kamel, MD, PhD
- 1:40 – 2:20 **MR Safety Considerations in Patients with Devices**  
Ihab R. Kamel, MD, PhD
- 2:20 – 3:00 **MR Safety Considerations in Patients with Devices**  
Ihab R. Kamel, MD, PhD
- 3:00 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.

**TO REGISTER OR FOR FURTHER INFORMATION**

Register Online: [hopkinscme.cloud-cme.com/aph.aspx?P=5&EID=18112](http://hopkinscme.cloud-cme.com/aph.aspx?P=5&EID=18112)

- 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=18112](http://hopkinscme.cloud-cme.com/aph.aspx?P=5&EID=18112)

**SPEAKERS**

**ACTIVITY DIRECTOR**

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

**JOHNS HOPKINS SPEAKERS**

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

**Sachin Gujar, MD**  
Assistant Professor of Radiology, and Radiological Science  
Neuroradiology

**Aylin Tekes, MD**  
Associate Professor of Radiology and Radiological Science  
Interim Director, Pediatric Radiology

**Atif Zaheer, MD**  
Associate Professor of Radiology and Radiological Science  
Diagnostic 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 80048833/18112

**Third Annual Hot Topics in MR Imaging for the Technologist – Fall Course September 28-29, 2019**

**To Register:**  
**Online:** [hopkinscme.cloud-cme.com/aph.aspx?P=5&EID=18112](http://hopkinscme.cloud-cme.com/aph.aspx?P=5&EID=18112)  
**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	
For Physicians Only: NPI – 10 digits		State License #		State of License
Organization			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. What do you hope to learn by attending this activity?

Please notify us if you have any special needs.

EARLY-BIRD POSTMARKED Before 8/09/2019	Two Day Fee	One Day Fee
Physicians	\$470	\$235
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STANDARD POSTMARKED Before 9/20/2019	Two Day Fee	One Day Fee
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Total amount \$ \_\_\_\_\_

**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: [benefits.jhu.edu/documents/trffacandstaff.pdf](http://benefits.jhu.edu/documents/trffacandstaff.pdf)
- ION Form: [hopkinscme.edu/migration/ionRequest.pdf](http://hopkinscme.edu/migration/ionRequest.pdf)

e-Check: Routing #: \_\_\_\_\_ Account #: \_\_\_\_\_

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Card # \_\_\_\_\_ Exp. Date \_\_\_\_\_

Billing Zip Code \_\_\_\_\_ Security Code \_\_\_\_\_

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