



JOHNS HOPKINS
M E D I C I N E

Office of Continuing Medical Education
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Upcoming CT Courses

33rd Annual Computed Body Tomography 2017: The Cutting Edge

Loews Portofino Hotel at
Universal Studios, Orlando, Florida
February 18-21, 2017

Hot Topics in Body CT Scanning: What You Need to Know

Las Vegas, Nevada
June and October 2017



The Russell H. Morgan
Department of Radiology and Radiological Science
presents

Hot Topics in Body CT Scanning: What You Need to Know

October 20 – 23, 2016

**ARIA Hotel
Las Vegas, Nevada**

Activity Director: Elliot K. Fishman, MD, FACR

Visit our CT Education Website: www.CTISUS.com

This activity is approved for *AMA PRA Category I Credits™*.



JOHNS HOPKINS
MEDICINE

Description

The rapid evolution of multidetector CT (MDCT) has impacted all aspects of patient diagnosis from cardiac imaging to vascular imaging to hepatic imaging. The development of these new scanners requires a close look at all aspects of our CT programs ranging from our scan protocols, to contrast injection to the use of oral contrast. The new clinical applications require a better understanding of our scanners as the “room for error” has decreased with scanners routinely acquiring datasets in under 10 seconds. New applications have evolved from coronary CTA to virtual colonoscopy to dual energy imaging, to name a few. Classic applications like imaging the liver, kidneys or pancreas have changed with the role of multiphase acquisition and post processing techniques becoming more critical. This has been both a time of change and a time of excitement. This meeting will provide the attendee with an improved understanding of the role of MDCT today and will help them improve their practice skills and knowledge base. Whether it is designing new scan protocols or learning new skill sets, this meeting will be a catalyst for increasing your core competencies through a series of lectures and hands-on training over a four day period. The goal of the meeting is to improve your ability to do the best studies possible for optimal patient care in your own practice.

Who Should Attend

This activity is intended for radiologists and radiologic technologists.

Objectives

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

- Describe the current state-of-the-art of CT scanning today and its impact in clinical practice.
- Define the role of post processing techniques like MPR and 3D in clinical practice.
- Discuss the issues of radiation dose in CT and how to minimize dose exposure for your patients.
- Identify the newest scan protocols including the optimal use of oral and IV contrast agents.
- Recognize how to manage incidentalomas in the kidney, adrenal and pancreas.
- Define the role of Cardiac CT in practice today including study technique and optimal study design.
- Apply your expertise in abdominal imaging including details of renal, liver, kidney and bowel imaging.
- Summarize your knowledge in thoracic imaging including pulmonary embolism studies and HRCT.
- Identify the role of CT in pediatric applications.
- Assess your knowledge of vascular imaging including the role of 3D imaging in these applications.

Accreditation Statement

The Johns Hopkins University School of Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

Credit Designation Statement

The Johns Hopkins University School of Medicine designates this live activity for a maximum of 20.75 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Other Credits

This activity has been approved by AHRA, the approving RCEEM: The Association for Medical Imaging Management for a maximum of 18.5 Category A, ARRT continuing education credits. *You must attend each session in its entirety to obtain credit. No partial session credit will be awarded.*

This activity meets all Certified Radiology Administrator (CRA) renewal credit criteria and has been approved for up to 18.5 continuing education credits in the following CRA domains: Operations Management and Asset Management.

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

Thursday, October 20, 2016 • 7:00 – 8:00 a.m.

Hotel and Travel Arrangements

ARIA Hotel (866) 359-7757
3730 South Las Vegas Boulevard (702) 590-7757
Las Vegas, Nevada 89158

Reservation Cut-Off Date: September 19, 2016

In the center of the Las Vegas Strip, discover an unparalleled escape that will leave you breathless. From technologically advanced rooms and suites to enticing restaurants from Michelin Star and James Beard Award-winning chefs, ARIA delivers an entirely new kind of modern luxury. Coupled with the exquisite amenities, incredible views and personalized service at the Forbes Travel Guide Five Star award-winning ARIA Sky Suites, ARIA is sure to elevate every expectation. Make your reservation online at <https://resweb.passkey.com/go/JHUM16> or call the hotel directly at (866) 359-7757 and specify that you are attending the Johns Hopkins Hot Topics in Body CT Scanning conference to receive the special group rate of \$195, single or double, plus taxes and a resort fee of \$29 plus taxes. The resort fee includes the following hotel amenities: high-speed wireless internet service in-suite and on City Center campus, local and toll-free number phone calls, access to The Spa at ARIA Fitness Center, daily newspaper and airline boarding pass printing.

We strongly encourage you to book your accommodations at the ARIA 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 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.

Fees

Registration Cut-Off Date: May 6, 2016

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 and refreshment breaks.

Physicians \$795

Technologists/Residents*/Fellows*/

Nurses/Allied Health Professionals \$650

*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 **October 14, 2016**, call (410) 502-9634 to confirm that you are registered. A certificate of attendance will be sent by **December 5, 2016** 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 **October 14, 2016**. 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 **October 14, 2016**. No refunds will be made thereafter. Transfer of registration to another Johns Hopkins conference in lieu of cancellation is not possible.

Printed 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. A printed copy may be ordered at the time of registration for an additional fee of \$55. The printed copy will be provided during activity registration. Cancellations or refunds for the printed copy will not be permitted.

Evaluation

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

Outcomes Survey

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 attendee's practice.

Emergency Calls

On **October 20-23, 2016**, direct emergency calls to (702) 590-7111 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.*

To Register or For Further Information

Register Online www.HopkinsCME.edu
(credit card and eCheck)

Register by Phone (410) 502-9636
(credit card only)

Register by Fax (866) 510-7088

Confirmation/Certificates (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>

For general information the direct link for this CME activity web page is: <http://www.hopkinsCME.edu/CourseDetail.aspx/80038661>.

Visit our CT Education Website: www.CTISUS.com

Program

Thursday, October 20, 2016

- 7:00 - 7:55 Registration and Continental Breakfast
- 7:55 - 8:00 **Welcome and Conference Goals**
Elliot K. Fishman, MD, FACR
- 8:00 - 8:40 **Optimization of CT Protocols and Protocol Design: How We Do It Part 1**
Elliot K. Fishman, MD, FACR
- 8:40 - 9:20 **HRCT: Pattern Approach and Differential Diagnosis**
Smita Patel, MD
- 9:20 - 10:00 **Pearls and Pitfalls in Body CT**
Fergus Coakley, MD
- 10:00 - 10:20 Refreshment Break
- 10:20 - 11:00 **3D Imaging: Pearls, Pitfalls, and Opportunities**
Elliot K. Fishman, MD, FACR
- 11:00 - 11:40 **Acute Aortic Syndrome**
Smita Patel, MD
- 11:40 - 12:20 **Pitfalls and Errors in Body CT: What Are They and How to Avoid Them**
Elliot K. Fishman, MD, FACR
- 12:20 - 12:30 **Questions and Answers Session**
- 12:30 - 2:00 Lunch (on your own)
- 2:00 - 2:40 **Renal Masses: My Current Approach**
Fergus Coakley, MD
- 2:40 - 3:20 **Thoracic Trauma**
Smita Patel, MD
- 3:20 - 4:00 **CT of Renal Masses: FAQs**
Fergus Coakley, MD
- 4:00 - 4:30 **Panel Discussion**
Elliot K. Fishman, MD, FACR, Smita Patel, MD and Fergus Coakley

Friday, October 21, 2016

- 7:00 - 8:00 Continental Breakfast
- 7:00 - 8:00 **Hands on Workstation Training Session 1**
Elliot K. Fishman, MD, FACR
- 8:00 - 8:40 **Understanding and Avoiding Malpractice in Body CT**
Fergus Coakley, MD
- 8:40 - 9:20 **Coronary Anatomy and Anomalies**
Smita Patel, MD
- 9:20 - 10:00 **MDCT of the Small Bowel Tumors: Principles, Protocols and Study Optimization**
Elliot K. Fishman, MD, FACR
- 10:00 - 10:20 Refreshment Break
- 10:20 - 11:00 **MDCT/CTA of Hepatic Masses: A Pattern Approach**
Elliot K. Fishman, MD, FACR
- 11:00 - 11:40 **Coronary CTA: Appropriate Indications, Interpretation, and Reporting**
Smita Patel, MD
- 11:40 - 12:20 **MDCT of the Adrenal Gland: A Pattern Approach**
Elliot K. Fishman, MD, FACR
- 12:20 - 12:30 **Questions and Answers**
- 12:30 - 1:15 Lunch (on your own)

- 1:15 - 2:30 **Hands on Workstation Training Session 2**
Elliot K. Fishman, MD, FACR
- 2:45 - 4:00 **Hands on Workstation Training Session 3**
Elliot K. Fishman, MD, FACR

Saturday, October 22, 2016

- 7:00 - 8:00 Continental Breakfast
- 7:00 - 8:00 **Hands-on Workstation Training Session 4**
Elliot K. Fishman, MD, FACR
- 8:00 - 8:40 **MDCT of the Acute Abdomen: GU Applications**
Karen M. Horton, MD
- 8:40 - 9:20 **CT Imaging of Acute Pancreatitis Using the Atlanta Classification**
Atif Zaheer, MD
- 9:20 - 10:00 **MDCT of the Acute Abdomen: GI Applications**
Karen M. Horton, MD
- 10:00 - 10:20 Refreshment Break
- 10:20 - 11:00 **CT Evaluation of Small Bowel Obstruction**
Karen M. Horton, MD
- 11:00 - 11:40 **CT Imaging of the Mesenteric Vasculature**
Atif Zaheer, MD
- 11:40 - 12:20 **Virtual Colonoscopy Update 2016**
Karen M. Horton, MD
- 12:20 - 12:30 **Questions and Answers**
- 12:30 - 1:15 Lunch (on own)
- 1:15 - 2:30 **Hands-on Workstation Training Session 5**
Elliot K. Fishman, MD, FACR
- 2:45 - 4:00 **Hands-on Workstation Training Session 6**
Elliot K. Fishman, MD, FACR

Sunday, October 23, 2016

- 7:00 - 8:00 Continental Breakfast
- 8:00 - 8:40 **CT Evaluation of Pulmonary Embolism**
Karen M. Horton, MD
- 8:40 - 9:20 **MDCT of the Spine: Pre and Post-Operative Evaluation**
Jan Fritz, MD
- 9:20 - 10:00 **Reporting of Pancreatic Adenocarcinoma:
What the Surgeon Needs to Know**
Atif Zaheer, MD
- 10:00 - 10:20 Refreshment Break
- 10:20 - 11:00 **MDCT of Tumors and Tumor-Like Lesions of the Skeleton**
Jan Fritz, MD
- 11:00 - 11:40 **Cystic Lesions of the Pancreas**
Atif Zaheer, MD
- 11:40 - 12:20 **Hot Topics in Musculoskeletal CT:
CT Arthrography, Dual Energy and CT
Angiography**
Jan Fritz, MD
- 12:20 - 12:30 **Questions and Answers**
- 12:30 Adjourn
- Please complete and return the
Evaluation and Credit Report Forms.
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.*

Speakers

Johns Hopkins Speakers

Elliot K. Fishman, MD, FACR

*Activity Director
Professor of Radiology and Radiological Science
and of Oncology
Director, Diagnostic Imaging and Body CT*

Jan Fritz, MD

*Assistant Professor of Radiology and
Radiological Science*

Karen M. Horton, MD

*Professor and Interim Chair of
Radiology and Radiological Science*

Atif Zaheer, MD

*Associate Professor of Radiology and
Radiological Science*

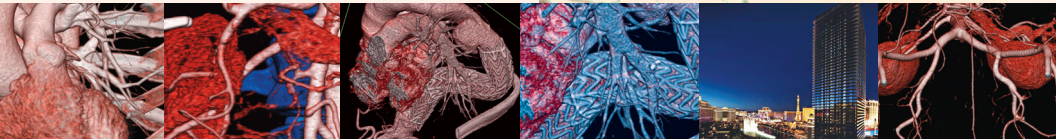
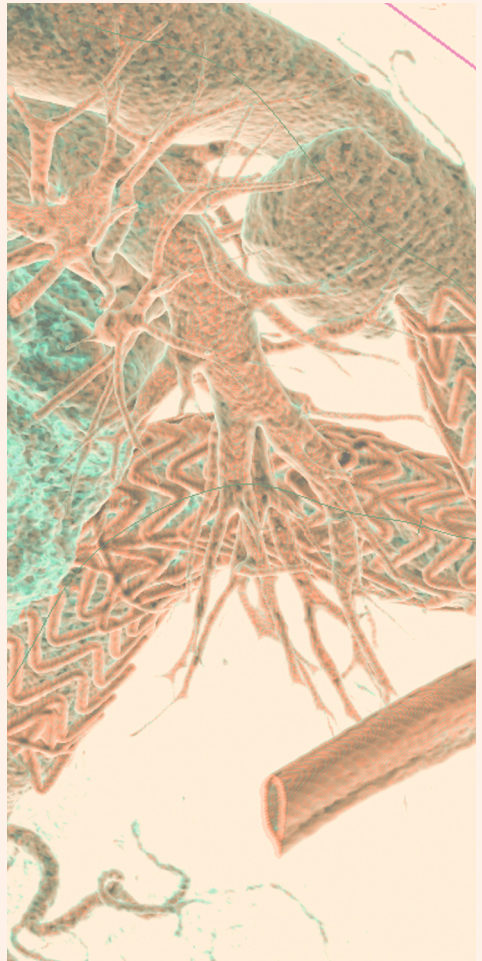
Guest Speakers

Fergus Coakley, MD

*Professor and Chair
Department of Diagnostic Radiology
Oregon Health and Science University
Portland, Oregon*

Smita Patel, MD

*Professor of Radiology
University of Michigan
Division of Cardiothoracic Radiology
Ann Arbor, Michigan*



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 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 80038661

Hot Topics in Body CT Scanning: What You Need to Know October 20-23, 2016

To Register: Online (credit card and eCheck): 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/80038661**, or include credit card information below.

PAYMENT MUST ACCOMPANY FORM TO CONFIRM YOUR REGISTRATION.

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					

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 notices about upcoming CME activities.

I plan to stay at the Vdara Hotel and Spa in Las Vegas, NV.

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

Please notify us if you have any special needs. _____

Workshops:

Each registrant will attend one workshop. Please select in order of preference – 1, 2, 3.

Friday: ___ Session 1: 7:00 - 8:00 a.m. ___ Session 2: 1:15 - 2:30 p.m. ___ Session 3: 2:30 - 3:45 p.m.

Saturday: ___ Session 4: 7:00 - 8:00 a.m. ___ Session 5: 1:15 - 2:30 p.m. ___ Session 6: 2:30 - 3:45 p.m.

Registration Fees:

Physicians\$795

Technologists/Residents*/Fellows*/Nurses/Allied Health Professionals\$650

Syllabus\$55

*with verification of status

The registration fee includes instructional materials and food and beverage. For registrations received after 5:00 p.m. EST on **October 14, 2016**, 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 and Date