



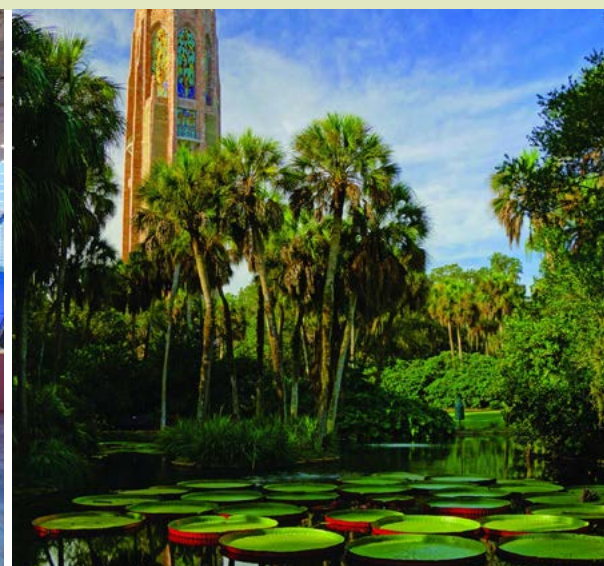
Penn Medicine
Department of Radiology



MARCH 20–24

Loews Portofino Bay Hotel
Universal Orlando Resort

2023



OVERVIEW

This program will focus on practical imaging issues to improve image interpretation across a wide range of common and uncommon clinical scenarios. Novel and cutting-edge imaging ‘protocols’ will be discussed highlighting potential ‘pitfalls.’ Selected topics in neuroradiology, abdominal, breast, thoracic, musculoskeletal, and pediatric radiology will be covered. There will be daily case conferences emphasizing “misses and misinterpretations.”

TARGET AUDIENCE

This course is designed for radiologists in clinical practice or in-training.

COURSE OBJECTIVES

Upon completion of this activity, participants should be able to:

- ☐ Apply the current advances in radiology for accurate image interpretation of adult and pediatric diseases of the brain, neck, chest, abdomen, and joints
- ☐ Design and implement appropriate imaging protocols that optimize diagnostic accuracy and minimize radiation exposure, particularly in the pediatric population
- ☐ Describe the role of “supplemental breast screening” in women with dense breast tissue, utilizing “abbreviated breast MRI”
- ☐ Describe appropriate screening guidelines and diagnostic workup in special populations, such as breastfeeding and pregnant patients, men, as well as transgender women
- ☐ Identify high yield diagnoses throughout multiple specialties of radiology
- ☐ Review common imaging artifacts, anatomic variants, and critical diagnoses and make appropriate management recommendations

FACULTY

Suyash Mohan, MD

COURSE DIRECTOR

Associate Professor of Radiology & Neurosurgery
Division of Neuroradiology
Hospital of the University of Pennsylvania

Jill E. Langer, MD

Professor of Radiology
Division of Abdominal Imaging
Hospital of the University of Pennsylvania

Arun C. Nachiappan, MD

Associate Professor of Clinical Radiology
Division of Thoracic Imaging
Hospital of the University of Pennsylvania

John H. Woo, MD

Associate Professor of Radiology
Division of Neuroradiology
Hospital of the University of Pennsylvania

Samantha P. Zuckerman, MD, MBE

Assistant Professor of Clinical Radiology
Breast Imaging Fellowship Director
Hospital of the University of Pennsylvania

GUEST SPEAKERS

Janet R. Reid, MD

Professor of Clinical Radiology
Vice-Chair of Education
Children’s Hospital of Philadelphia

Jason W. Stephenson, MD

Associate Professor
Director of Medical Student Education
Division of Musculoskeletal Imaging
University of Wisconsin

SCHEDULE

MONDAY MARCH 20, 2023

- 6:30 Continental Breakfast
- 7:15 Open Remarks
Suyash Mohan, MD
- 7:30 How-to-Approach a “New Brain Mass” and Prepare for the Brain Tumor Board – 2021 WHO Updates (CT, MRI)
Suyash Mohan, MD
- 8:00 How-to-Eliminate ‘Mass’ Confusion! Mimics of Adult Intra-Axial Brain Neoplasms (CT, MRI)
John H. Woo, MD
- 8:30 Infratentorial Tumors: Diagnostic Pearls (CT, MRI)
Suyash Mohan, MD
- 9:00 Lung Cancer Imaging – Current Concepts in Diagnosis and Follow-up (XR, CT, PET)
Arun C. Nachiappan, MD
- 9:30 Questions & Answers
- 9:45 Break
- 10:00 Perfusion Imaging in Acute Stroke: Pearls, Pitfalls & Protocols (CT, MRI)
John H. Woo, MD
- 10:30 Demystifying the Central Skull Base: Pathology or a ‘Pitfall’ (CT, MRI)
Suyash Mohan, MD
- 11:00 Degenerative Spine Imaging: Is Cervical Spine Different? (XR, CT, MRI)
John H. Woo, MD
- 11:30 Pain-in-the-Brain: Interactive Case-Based Misses & Misinterpretations (Audience Response) (CT, MRI)
Suyash Mohan, MD
- 12:15 Questions & Answers
- 12:30 Adjourn

TUESDAY, MARCH 21, 2023

- 6:30 Continental Breakfast
- 7:15 Advanced Fibrotic Interstitial Lung Disease with Clinical Correlation (CT)
Arun C. Nachiappan, MD
- 7:45 Updates on Breast Tomosynthesis Imaging: Challenging Cases (DM, DBT)
Samantha P. Zuckerman, MD, MBE
- 8:15 Pulmonary Embolism: Diagnostic Dilemma (CT)
Arun C. Nachiappan, MD
- 8:45 Breast Imaging Innovations for Special Populations — Pregnant and Lactating Women, Men, and Transgender Individuals (DM, DBT, US, MRI)
Samantha P. Zuckerman, MD, MBE
- 9:15 Questions & Answers
- 9:30 Break
- 9:45 When the Stakes are High! Optimizing Breast MRI Interpretation for High and Average Risk Patients (DM, DBT, US, MRI)
Samantha P. Zuckerman, MD, MBE
- 10:15 Postoperative Imaging of the Spine Made Easy! (XR, CT, MRI)
John H. Woo, MD
- 10:45 Imaging the Post-Operative Breast: Not-So-Easy! (DM, DBT, US, MRI)
Samantha P. Zuckerman, MD, MBE
- 11:15 Spine-So-Fine: Interactive Case-Based Misses & Misinterpretations (XR, CT, MRI)
John H. Woo, MD
- 12:00 Questions & Answers
- 12:15 Adjourn

WEDNESDAY, MARCH 22, 2023

- 6:30 Continental Breakfast
- 7:15 Chronic Pelvic Pain: Maximizing the 16 Shades of Gray (US, MRI)
Jill E. Langer, MD
- 7:45 Chest Pest: Typical and Atypical Pulmonary Infections (XR, CT)
Arun C. Nachiappan, MD
- 8:15 Ectopic Pregnancy-Usual and Unusual Suspects (US)
Jill E. Langer, MD
- 8:45 Shortness of Breath: Uncommon Causes (XR, CT, FL)
Arun C. Nachiappan, MD
- 9:15 Questions & Answers
- 9:30 Break
- 9:45 RUQ Pain: More Than Just Gallstones (US)
Jill E. Langer, MD
- 10:15 An Organized Protocol-Driven Approach to Common Pediatric Problems (XR, US, CT, MRI)
Janet R. Reid, MD
- 10:45 Scrotal Sonography: Pearls and Pitfalls (US)
Jill E. Langer, MD
- 11:15 Chest Quest: Learning from Difficult Cases (XR, CT)
Arun C. Nachiappan, MD
- 12:00 Questions & Answers
- 12:15 Adjourn



SCHEDULE

THURSDAY, MARCH 23, 2023

- 6:30 Continental Breakfast
- 7:15 Challenges in Thyroid Nodule Characterization *(US, CT)*
Jill E. Langer, MD
- 7:45 Cancel That Biopsy! Don't Touch Lesions in Breast Imaging
(DM, DBT, US, MRI)
Samantha P. Zuckerman, MD, MBE
- 8:15 Parathyroid Imaging: What the Surgeon Needs to Know
(US, CT, NM)
Jill E. Langer, MD
- 8:45 Pathologic, Insufficiency, and Fatigue Injuries *(XR, CT, MRI, NM)*
Jason W. Stephenson, MD
- 9:15 Questions & Answers
- 9:30 Break
- 9:45 Refusal to Bear Weight: Identifying the Elusive Cause
through Complementary Imaging *(US, XR, CT, MRI)*
Janet R. Reid, MD
- 10:15 Advanced Imaging of the Hip *(XR, US, CT, MRI)*
Jason W. Stephenson, MD
- 10:45 MSK Infection: What You Didn't Learn in Residency
(XR, US, CT, MRI, NM)
Janet R. Reid, MD
- 11:15 Breast-at-its Best: Learning and Growing from
Opportunity Cases *(DM, DBT, US, MRI)*
Samantha P. Zuckerman, MD, MBE
- 12:00 Questions & Answers
- 12:15 Adjourn

FRIDAY, MARCH 24, 2023

- 6:30 Continental Breakfast
- 7:15 Child Abuse or Not: When to Make the Call *(XR, CT, MRI)*
Janet R. Reid, MD
- 7:45 Pearls in MRI: Acute and Chronic Sports Muscle and
Tendon Injuries *(XR, US, MRI)*
Jason W. Stephenson, MD
- 8:15 UTI and UTO – Navigating the Urinary Tract in
Young Children *(XR, US, CT, MRI)*
Janet R. Reid, MD
- 8:45 Take a Look at the Marrow: Basic and Advanced
MR Imaging *(XR, CT, MRI)*
Jason W. Stephenson, MD
- 9:15 Questions & Answers
- 9:30 Break
- 9:45 Pediatric Bowel Disease: Beyond Barium *(XR, US, CT)*
Janet R. Reid, MD
- 10:15 Bone Biopsy: The Path to Success *(XR, CT, MRI)*
Jason W. Stephenson, MD
- 10:45 Why is This Child Tachypneic and How Can I Sort it Out?
(XR, CT)
Janet R. Reid, MD
- 11:15 Missed Diagnoses in Sports Medicine: A Survival Guide
(XR, CT, MRI)
Jason W. Stephenson, MD
- 12:00 Questions & Answers
- 12:15 Adjourn



ACCREDITATION STATEMENT



JOINTLY ACCREDITED PROVIDER™
INTERPROFESSIONAL CONTINUING EDUCATION

In support of improving patient care, Penn Medicine is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team.

CONTINUING MEDICAL EDUCATION

Physicians: Penn Medicine designates this live activity for a maximum of **24 AMA PRA Category 1 Credit(s)™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

The total hours covered in each modality, excluding breast lectures include:

CT: 14.0 | MRI: 11.0 | CXR: 10.0 | US: 6.5
PET: .25 | NM: 1.5 | FL: .25

The total modality hours covered in the breast lectures include:

DM: 3.0 | DBT: 3.0 | MRI: 2.56 | US: 2.5

QUESTIONS? Call: 215-662-6982 | Email: cme@rad.upenn.edu

► DISCLOSURE OF CONFLICTS OF INTEREST

The Perelman School of Medicine at Penn (Penn Medicine) requires instructors, planners, moderators, and other individuals who are in a position to control the content of this activity to disclose any real or apparent conflict of interest (COI) they may have with any ineligible companies as related to the content of this activity. All identified COI are mitigated and resolved according to Penn Medicine's policy. Penn Medicine is committed to providing its learners with high quality activities and related materials that promote improvements or quality in healthcare and not a specific proprietary business interest of an ineligible company (commercial interest).

► DISCLOSURE OF UNLABELED USE

This educational activity may contain discussion of published and/or investigational uses of agents that are not indicated by the FDA. The planners of this activity do not recommend the use of any agent outside of the labeled indications. The opinions expressed in the educational activity are those of the faculty and do not necessarily represent the views of the planners. Please refer to the official prescribing information for each product for discussion of approved indications, contraindications, and warnings.

► DISCLAIMER

Participants have an implied responsibility to use the newly acquired information to enhance patient outcomes and their own professional development. The information presented in this activity is not meant to serve as a guideline for patient management. Any procedures, medications, or other courses of diagnosis or treatment discussed or suggested in this activity should not be used by clinicians without evaluation of their patient's conditions and possible contraindications and/or dangers in use, review of any applicable manufacturer's product information, and comparison with recommendations of other authorities.

► AMERICANS WITH DISABILITIES ACT

Event staff will be glad to assist you with any special needs (i.e., physical, dietary, etc.). Please contact our office at least two weeks prior to the live event at 215-662-6982 or via email at cme@rad.upenn.edu.

► MEETING MATERIALS

A link to download the course lecture PDFs, along with detailed download instructions, will be sent to registered participants in the week leading up to the course. This link will direct registrants to a Penn+Box folder. Participants are encouraged to download the PDFs to their tablet or laptop prior to arrival for ease of access.

Meeting App

All other course materials are provided via our meeting app, **Penn Radiology Meetings & Events**, available for download in the App Store and Google Play. On the app, attendees can:

- View the course schedule and learning objectives for each lecture
- Submit lecture questions in real-time using Live Q&A
- Access information about the meeting location, including activities and dining options

NOTE: A paper syllabus will not be available. Questions may be directed to our office at 215-662-6982 or cme@rad.upenn.edu.

► CME CERTIFICATES

On the final day of the course, attendees will receive an email with instructions on how to claim their CME credits and download their CME certificate. Attendees will be asked to claim the appropriate number of credits applicable to their attendance, and upon completion of the course evaluation, will receive an email from Penn Radiology CME with their CME certificate enclosed. Attendees should download the certificate and save it for their personal records.

► NAVIGATING THE VIRTUAL MEETING ATTENDEE HUB

All course registrants (in-person or virtual) can view the meeting content utilizing our Attendee Hub. Instructions for accessing the Hub will be emailed in the week leading up to the course.

On course lecture days, email communication is deployed daily, providing instructions so virtual attendees can log into the virtual attendee hub and join the stream for that day. A stream recording becomes available later that day for attendees to replay on-demand.

Access to the on-demand content will be available for thirty days, beginning on the last day of the course. However, CME credit must be requested sooner following the deadline established and communicated in marketing and instruction materials.



ACCOMMODATIONS

LOEWS PORTOFINO BAY HOTEL AT UNIVERSAL ORLANDO RESORT

<https://www.universalorlando.com/web/en/us/places-to-stay/loews-portofino-bay-hotel>

5601 Universal Blvd, Orlando, FL 38219

888-430-4999

CUT-OFF DATE: February 27, 2023

CHECK IN: 4:00 PM | CHECK OUT: 11:00 AM

The Loews Portofino transports guests to an imaginative re-creation of the town Portofino, Italy, conceptualized by film producer, Steven Spielberg. This elegant hotel is located bayside on the grounds of Universal Orlando. Guests will enjoy the flavors of Italy without the jetlag!

Services include a first-class Mandara Spa with 14 treatment rooms and fitness center, three themed swimming pools including one with a giant Roman-aqueduct slide, eight restaurants and lounges on property along with excellent Italian cuisine nearby and exclusive theme park benefits.

Universal theme parks include Universal Studios Florida including Harry Potter and the Escape from Gringotts, Islands of Adventure, Volcano Bay, and City Walk.

ROOM BLOCK & DISCOUNTED RATES

Penn Radiology has negotiated a special rate for a limited block of guest rooms. **We ask that all attendees register for the conference before booking accommodations. A booking link is included in the registration confirmation email.** A course registrant is limited to two sleeping rooms per paying registrant. (Please be sure that all hotel reservations are in the name of the course attendee.) The group rate will be offered three days before and three days after our meeting dates, based on availability of group rooms, at the time of the request. This rate is available until 5:00 PM on February 27, 2023 unless our block fills sooner.

Run of House\$275

The guest room rate is per night, based on single/double occupancy, plus applicable taxes, currently 12.5% (sales tax 6.5%, Orange County occupancy tax 6%). There are no Resort Fees.

HOTEL DEPOSIT AND CANCELLATION POLICY

All reservations must be guaranteed for the first night's room and tax. Guests may cancel room reservations up to five (5) days prior to arrival in order to avoid a charge equal to one night's room and applicable taxes. Cancellations made prior to five days before arrival will not be penalized.

Upon check in, each guest will have the opportunity to reconfirm his/her departure date. Any guests departing prior to that date will be assessed a charge of 50% of the rate for each night that the guest is departing early.

TRAVEL

Orlando International Airport (MCO) and serviced by all major airlines and located approximately 25-30 miles from the hotel. Lyft/Uber and taxi services are readily available. Cost is approximately \$55 each way depending on traffic conditions.

CAR RENTAL

We have made arrangements with Budget Car Rental for special rates during this meeting. Enter the BCD code below when making your reservation.

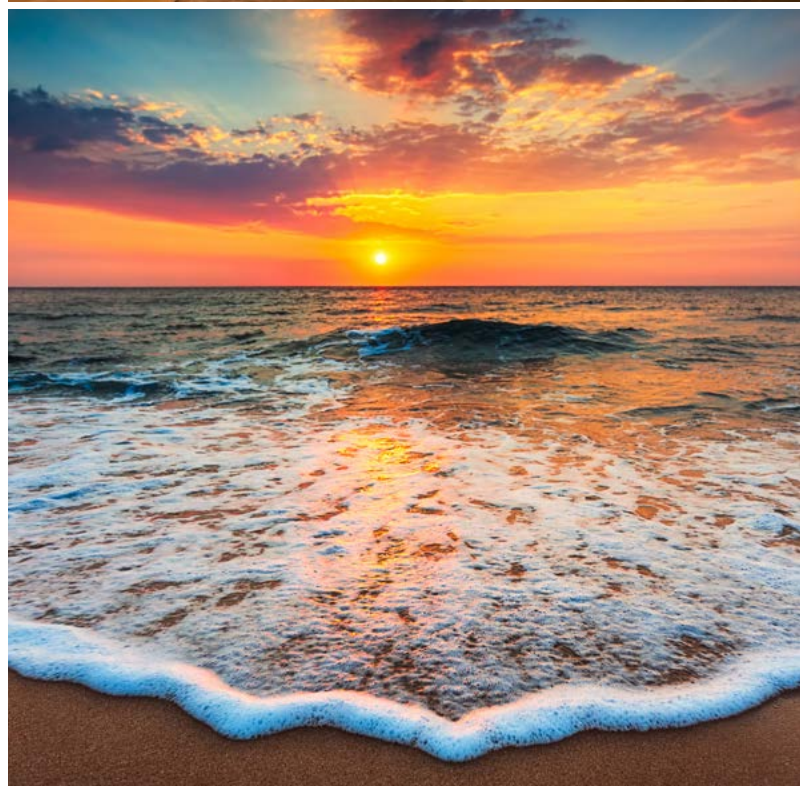
Budget: 800.215.7992 or www.budget.com
BCD #: U306158

ADDITIONAL CONCESSIONS FOR ATTENDEES IN GROUP BLOCK

- 10% discount on Spa services
- Complimentary use of the fitness center, including use of the spa, steam room and showers in the spa area.
- Overnight self-parking at \$15/night per car plus tax.

BENEFITS OF STAYING AT LOEWS PORTOFINO

- Hotel guests enjoy Early Park Admission and Express Passes (excluding Volcano Bay water park): Valid theme park admission required
- Complimentary transportation to and from the parks and CityWalk
- Nine F&B outlets and 24-hour Room Service
- Complimentary water taxi transportation to and from Universal CityWalk which is within walking distance of Universal Studios Florida and Universal's Islands of Adventure. Boats run every 15-20 minutes from hotel dock located adjacent to Harbor Piazza. Boats operate one hour prior to Early Park Admission until one hour after Universal CityWalk closes.
- Complimentary shuttle to SeaWorld and Aquatica from the transportation hub at CityWalk (Boarding passes required and may be obtained from vacation Planning Center in hotel lobby)
- Dine & shop by charging purchases across the resort to your room key card
- Free merchandise delivery from Universal shops to Universal hotels
- Priority seating at many Universal Orlando restaurants for guests of Premier hotels





COURSE CANCELLATION POLICY & TUITION REFUNDS

- A full refund for a full course in-person enrollment fee, less a \$100 administrative fee, will be made if received by 5:00 pm on Monday, February 27, 2022.
- A full refund for a virtual course enrollment fee, less a \$35 administrative fee may be made up to one week prior to the first day of the course.

Refund requests must be in writing and submitted via email. Refunds will not be made after the dates correlating with your registration type.

Penn Medicine's Department of Radiology reserves the right to cancel or postpone any activity due to unforeseen circumstances. In the unlikely event of cancellation or postponement, Penn Radiology will refund registration fees but will not be responsible for related costs or expenses to participants, including cancellation fees assessed by airlines, travel agencies, and hotels.

PENN RADIOLOGY CME

2022

► JANUARY 9-12

Breast Imaging at the Beach

Four Seasons Resort
Costa Rica at Peninsula Papagayo

► MARCH 20-24

Spring Imaging: Pearls, Pitfalls & Protocols

Loews Portofino Bay Hotel at Universal Orlando (FL)

► JULY 24-27

43rd Annual Diagnostic Imaging (Coming Soon)

Samoset Resort on the Ocean
Camden-Rockport-Rockland, Maine

REGISTRATION

Visit PennMedicine.org/RadiologyCME

(Visa, Mastercard, Amex or Discover accepted.)

REGISTRATION FEES

All in-person tuition fees listed below include an electronic syllabus available before the program, access to the meeting app used to view live and recorded daily streams, daily continental breakfast and breaks, and an electronic CME certificate available immediately after completing the online course evaluation. Virtual tuition fees include everything listed above but do not include food and beverage functions.

In-Person Course Registration:

Physicians (By 1/20/23, 11:59 PM) \$1,275.00

Physicians (After 1/20/23, 12:01 AM) \$1,375.00

Virtual Course Registration

Physicians \$550.00

An additional 10% off the Full Course fee (In-Person or Virtual) is available to those in one of the categories below. Registrations will be verified. Please use code **PENN10** when prompted at checkout.

- ☐ Penn Radiology Alumni
- ☐ Current Residents & Fellows (with a letter of verification)
- ☐ VA/DOD/Active Military
- ☐ International Registrants (living outside the USA)
- ☐ Retired Physicians

Physicians in the greater Orlando area are entitled to an additional 10% off. Please use code **FLRAD** when prompted at checkout. This code is case-sensitive.

Discount codes cannot be combined. Registrations will be verified.