With rapid changes in health care and recent technological advances, the demand for real-time imaging interpretation 24-hours a day, seven days a week has steadily increased. As a result, radiologists in most practices and academic centers have been asked to provide after-hours, ‘final’ interpretations. This course is designed for general and sub-specialized radiologists who are working these ‘non-traditional schedules,’ including rotating after-hours shift work, have dedicated evening and overnight radiology shifts, take call on weekends, and are required to interpret studies in areas that are different from their weekday routine.

Over four days, experienced Penn faculty and notable guest speakers will provide participants with practical information to enhance image acquisition and interpretation skills and identify the best modality for a given clinical presentation. The program will cover selected topics in neuroradiology, head and neck imaging, abdominal imaging, musculoskeletal radiology, chest, and pediatric radiology. We have included daily ‘missed’ case conferences and the opportunity to earn SAM credits.

**OVERVIEW**

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

- Rapidly determine the appropriate imaging study to perform in the acute setting
- Identify common and uncommon clinical conditions encountered in the after-hours setting
- Select the correct imaging protocol particularly for pediatric emergencies to optimize diagnostic accuracy and minimize radiation
- Explain how to handle incidental findings and make appropriate management recommendations
**SCHEDULE**

### SUNDAY, MARCH 6, 2022

- **6:30** Continental Breakfast
- **7:15** Announcements
- **7:30** Approach to Generating a Differential Diagnosis on Chest Imaging *(CT, XR)*
  - Farouk Dako, MD, MPH
- **8:00** Toxic Metabolic Encephalopathies: A Whirlwind Tour *(CT, MRI)*
  - Suyash Mohan, MD
- **8:30** COVID-19 and Other Reasons for Diffuse Alveolar Damage *(XR, CT)*
  - Farouk Dako, MD, MPH
- **9:00** Brain Pain: CNS Infections and COVID-19! *(CT, MRI)*
  - Suyash Mohan, MD
- **9:30** Question & Answers
- **9:45** Coffee Break
- **10:00** Pneumonia and Pneumonitis in the Immunocompromised Patient *(CT)*
  - Farouk Dako, MD, MPH
- **10:30** Facial Trauma: Practical Tips *(XR, CT, MRI)*
  - Suyash Mohan, MD
- **11:00** Missed Case Conference: Did I Miss That? *(CT, XR)*
  - Farouk Dako, MD, MPH
- **11:30** Neck Pain: A Refresher on Common Head and Neck Emergencies *(XR, CT, MRI)*
  - Suyash Mohan, MD
- **12:00** Question & Answers
- **12:15** Adjourn

### MONDAY, MARCH 7, 2022

- **6:45** Continental Breakfast
- **7:30** Twist and Turns in the Abdomen and Pelvis *(CT, XR)*
  - Susan L. Summerton, MD
- **8:00** Chest Pain: Fundamentals and Advances in Interpretation of CTPE Studies *(CT)*
  - Farouk Dako, MD, MPH
- **8:30** Pelvic Pain: Obstetrical and Gynecologic Emergencies *(CT, US)*
  - Susan L. Summerton, MD
- **9:00** Interactive Case-Based Misses & Misinterpretations in the Brain & Spine *(XR, CT, MRI)*
  - Suyash Mohan, MD
- **9:30** Question & Answers
- **9:45** Coffee Break
- **10:00** Abdominal and Pelvic Trauma: Pearls and Pitfalls *(CT, XR)*
  - Susan L. Summerton, MD
- **10:30** Belly Pain: Imaging of Common and Not-So-Common Abdominal Emergencies in Children *(XR, U, CT)*
  - Victor Ho-Fung, MD
- **11:00** Post-Operative Complications in the Abdomen and Pelvis *(CT, XR)*
  - Susan L. Summerton, MD
- **11:30** Falling from Trampolines, Monkey Bars, and Slides: Imaging of Unique Pediatric Fractures *(XR, CT, MRI)*
  - Victor Ho-Fung, MD
- **12:00** Question & Answers
- **12:15** Adjourn

### TUESDAY, MARCH 8, 2022

- **6:45** Continental Breakfast
- **7:30** What Not to Miss in Abdominal Imaging: A Case-Based Approach *(XR, CT)*
  - Susan L. Summerton, MD
- **8:00** Imaging of Ankle Lower Extremity Trauma *(XR, CT)*
  - Jason W. Stephenson, MD
- **8:30** Demystifying the Pediatric Radiograph *(XR)*
  - Victor Ho-Fung, MD
- **9:00** US of MSK Injuries *(US)*
  - Jason W. Stephenson, MD
- **9:30** Question & Answers
- **9:45** Coffee Break
- **10:00** The Language of Fractures *(XR, MRI)*
  - Jason W. Stephenson, MD
- **10:30** Pitfalls and Omissions-Case Based Learning Opportunities in Pediatric Radiology *(XR, US, MRI)*
  - Victor Ho-Fung, MD
- **11:00** Back Pain: MR of Spine Emergencies *(MRI)*
  - Jason W. Stephenson, MD
- **11:30** IR Central Lines and Tubes: What the Diagnostic Radiologist Should Look Out For *(XR, CT)*
  - Susan Shamimi Noori, MD
- **12:00** Question & Answers
- **12:15** Adjourn

### WEDNESDAY, MARCH 9

- **6:45** Continental Breakfast
- **7:30** Aha, Eureka, Classic! - Characteristic Imaging in Common and Uncommon Pathology in Children *(XR, US, CT, MRI)*
  - Victor Ho-Fung, MD
- **8:00** GI Bleeding: Imaging and Intervention *(XR, CT)*
  - Susan Shamimi Noori, MD
- **8:30** GI and GU Incidentalomas in Children — What to Do? *(XR, US, MRI)*
  - Victor Ho-Fung, MD
- **9:00** Contrast and Contrast Reactions: Review of Common Questions and Concerns *(Fl, CT)*
  - Susan Shamimi Noori, MD
- **9:30** Question & Answers
- **9:45** Coffee Break
- **10:00** Imaging Instrumentation & Associated Complications *(XR, MR, CT)*
  - Jason W. Stephenson, MD
- **10:30** Post Radioembolization Imaging Findings: This Looks Scary, But Is It? *(MRI, CT)*
  - Susan Shamimi Noori, MD
- **11:00** Pain in the Shoulder *(XR, MRI)*
  - Jason W. Stephenson, MD
- **11:30** Identifying IR Complications Before It's Too Late: Case Conference *(CT, XR, MRI)*
  - Susan Shamimi Noori, MD
- **12:00** Question & Answers
- **12:15** Adjourn
ACCREDITATION STATEMENT

In support of improving patient care, this activity has been planned and implemented by the Postgraduate Institute for Medicine and Penn Medicine Department of Radiology. Postgraduate Institute for 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 medical education for the healthcare team.

CONTINUING MEDICAL EDUCATION

The Postgraduate Institute for Medicine designates this live activity for 18.25 AMA PRA Category 1 Credit(s)™. Physicians should only claim the credit commensurate with the extent of their participation in the activity. Credit totals will be announced soon.

For Physician Assistants, the APPA accepts certification of participation from courses certified for AMA PRA Category 1 Credit(s)™ and organizations accredited by the AACME or recognized state medical society. PA's may claim 18.25 AMA PRA Category 1 Credit(s)™ for completing this activity. Credit totals will be announced soon.

SELF-ASSESSMENT MODULES (SAMS)

Participants in this activity will have an opportunity to earn 16 Self-Assessment credits (SAMs). These modules meet the ABR's criteria for a self-assessment activity in the ABR Maintenance of Certification program.

Credit breakdown by day:
Day 1: 4.75  |  Day 2: 4.5  |  Day 3: 4.5  |  Day 4: 4.5

The total hours covered in each modality include:
CT: 12  |  MR: 6  |  XR: 12  |  US: 3  |  FL: .5

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

DISCLOSURE OF CONFLICTS OF INTEREST
Postgraduate Institute for Medicine (PIM) requires instructors, planners, managers 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 as related to the content of this activity. All identified COI are thoroughly vetted and resolved according to PIM policy. PIM 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 a 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 via email at cme@rad.upenn.edu or by phone at 215-662-6982.

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 our Microsoft OneDrive platform. Participants are encouraged to download the PDFs to their phone, tablet, or laptop prior to arrival.

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
• Complete multiple choice questions, receive instant feedback and earn SAM credits
• Access information about the meeting location, including activities and dining options

Upon check-in, course registrants may request a flash drive with PDFs of the lecture slides. 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.
We are excited to host our 5th Radiology After Hours course in beautiful Riviera Maya, Mexico! The Fairmont Mayakoba is a luxury AAA 5-Diamond and Rainforest Certified private gated resort community. Most of the resort’s accommodations sit back from the sea and are nestled in the 240 acres of tropical forest intersected by the iconic crystal clear lagoons. Additional exquisite suites are located just steps from the white-sand beaches. Whatever your preference may be, the Fairmont Mayakoba will not disappoint!

Resort Renewal, Embellishment, and Innovation: Throughout 2021, the Fairmont Mayakoba will undergo a five-phase embellishment process that includes re-designs, renovations, and new additions to this already stunning resort. Click here to learn more and view images of the new enhancements.

**Due to our limited room block**, we ask that all attendees please register for the conference before booking accommodations. Booking information is included in the registration confirmation.

**ROOM BLOCK & DISCOUNTED RATES**

We have negotiated a group rate for a limited block of Casita Rooms and Casita Suites. Our guest room block is limited to two sleeping rooms per paying registrant (please be sure that all reservations are in the name of the course attendee).

- **Deluxe Casita Room** ..................$179.00 USD/night
  458 - 504 sq. ft. | King or Two Queens | Garden View
- **Signature Casita Room** ..................$189.00 USD/night
  458 - 504 sq. ft. | King or Two Queens | Canal View
- **Beach Area Casita Room** ..............$239.00 USD/night
  458 - 504 sq. ft. | King or Two Queens | Private balcony
  Canals View
- **Signature Casita Suite** .................$289.00 USD/night
  915 - 1003 sq. ft. | One King or Two Queens
  Two full bathrooms | Wrap-around balcony | Canal View
- **Beach Area Casita Suite** ..............$339.00 USD/night
  1113 sq. ft. | One King Bed | private rooftop plunge pool
  Two full bathrooms | Wrap-around balcony | Canal View

In addition to the above categories, Penn Radiology has negotiated a discount off other room types, based on availability at the time of reservation. To learn more about these rates, please call reservations directly at +52 (984) 206-3000, use their toll-free number 1-800-540-6088, or email myk.groupreservations@fairmont.com and mention our Penn Radiology group or Radiology After Hours meeting.

The guestroom rates listed above are per room per night and subject to state, local & federal taxes. The current City Tax (Value Added Tax) is 16%. The State/Provincial Hotel Room Tax is 3%. The Government Environmental Sanitation Fee is $25MXN per room, per night (approx $1.34 USD/room/night).

Course registrants in our group block will be charged a taxable resort fee of $25 USD per person per night which includes guestroom internet access, bellman & housekeeping gratuities, access to the fitness center, eco-boat tours, bicycles on the...
property, non-motorized water activities including kayaks and guided Hobby cat tour, transportation ferry within the Mayakoba resorts, transportation to El Camaleon Golf Course, shuttle service by Escalades to Rosewood, Andaz, and Banyan Tree Resorts, complimentary use of the tennis courts and paddle tennis, rackets and balls, and valet parking. Additional gratuities to bellman and housekeeping are at the registrant’s individual discretion. A third person sharing a room (ages 18 and older) will be charged an additional $40.00 USD per person/per night plus applicable taxes. Maximum occupancy per room is three adults or two adults and two children. Additional fees may apply for rollaway beds.

The hotel will honor our group rates three days before and after our meeting dates, subject to room availability. This rate is available until 02/07/2022 unless our group block fills sooner. Reservations between the dates of Saturday, March 5th, and Thursday, March 10th, can be made ONLINE or by calling the hotel direct at +52 (984) 206-3000. Arrivals and departures outside of these dates must be made with the hotel directly. Please mention the Penn Medicine group name when making your reservation.

CHILD CARE SERVICES
Please see our website for details about babysitting services and the Discovery Club & Adventure Camp for children ages 5-11 years of age.

RESORT DINING
The Fairmont Mayakoba features five unique dining experiences for guests and visitors to the resort. There are more than 25 culinary experiences available within Mayakoba, and guests may dine anywhere, signing the bill to their room. Complimentary shuttle service is available.

ACTIVITIES
There are numerous opportunities to keep busy in Mayakoba, including birdwatching, on-property boat tours, golf, the Willow Stream Spa, pools, beach activities, and El Pueblito Mayakoba, an entertainment area designed after a colonial Mexican town. For more details check out our course website.

TRAVEL INFORMATION
At this time (October 2021), there are no restrictions for air travel into Mexico. However, this could change. Please monitor CDC travel recommendations. We will update our course website when new information becomes available.

COVID-19 TRAVEL REQUIREMENTS
Air passengers entering the US, including US citizens, must provide a negative COVID-19 test result taken within 3 calendar days before departure or provide documentation of recovery from COVID-19 within the last 90 days.

HOTEL TRANSFERS BETWEEN AIRPORT & HOTEL
The Fairmont Mayakoba is near the town of Playa Del Carmen and about 30 miles from Cancun International Airport (CUN). The resort offers personal transfers that can be arranged through the Resort Concierge or directly at the travel agency located at the hotel. The cost for a private VAN vehicle transfer for up to 8 people with luggage is $128.00 USD one way, or $256.00 USD round trip. The cost for a deluxe SUV vehicle transfer for up to 5 people with luggage is $186.00 USD one way, or $372.00 USD round trip.

Both transfer options include airport greetings at the baggage area, WiFi onboard, complimentary water, a freshen-up towel, and a phone charger to charge devices.

Transfer services are billed directly to your room upon arrival at the hotel. Please advise the concierge of your chosen type of vehicle, flight airline, and arrival/departure dates and times when making your transfer reservation. Should you need to cancel your transfer, the concierge requires 24-hours before the scheduled service.

Taxis cannot pick up passengers at the airport. Therefore, guests of the resort will need to make transfer arrangements before arriving in Mexico. Note: A suggested 20% driver gratuity is not included in this price. Gratuities should be paid to the driver at the time of transfer. Please contact myk.concierge@fairmont.com for more information. Drivers do accept tips in USD bills, though pesos are preferred.

$1 USD = approximately 20 pesos (MXN)
COURSE CANCELLATION POLICY & TUITION REFUNDS
A full refund for the tuition paid, less a $100 administrative fee, will be made upon receipt of a written request if received by 5:00 pm on Friday, February 18, 2022. Refunds will not be made after this date. Registrants may also choose to apply the tuition paid toward a future Penn Radiology CME course in 2022.

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.

REGISTRATION
Visit PennMedicine.org/RadiologyCME (Visa, Mastercard, Amex or Discover accepted.)

CONFERENCE FEES (Fees listed in USD)
Physicians (By 2/6/2022, 11:59 PM) . . . . . . . . $1,070.00
Physicians (After 2/7/2022, 12:01 AM) . . . . . . . $1,170.00

A 10% discount off the Physician Rate is offered to:
- Penn Radiology Alumni
- Current residents & fellows with letter of verification
- VA/DOD/Active Military
- International registrants (living outside the USA)
- Retired Physicians

Registrations are verified. Use code PENN10 when prompted at check out.

PENN RADIOLOGY CME

2021
- OCTOBER 15-16 (VIRTUAL)
  Advanced TAVR, TMVR, and Beyond with Hands on Review of 50 Cases
- OCTOBER 21-23 (VIRTUAL)
  A Multimodality Imaging Approach to Women’s Health

2022
- JANUARY 9-12
  Breast Imaging at the Beach
  Four Seasons Resort Punta Mita | Riviera Nayarit, Mexico
- JANUARY 28-29 (VIRTUAL)
  Advanced TAVR, TMVR, and Beyond with Hands on Review of 50 Cases
- FEBRUARY 21-25
  Slope Side Imaging
  Westgate Park City Resort & Spa | Park City, Utah
- MARCH 6-9
  Radiology After Hours: Acute Diagnoses on Evenings and Weekends
  Fairmont Mayakoba | Riviera Maya, Mexico
- JUNE 27-JULY 1
  43rd Annual Diagnostic Imaging: Back to the Vineyard
  Harbor View Hotel | Edgartown, Massachusetts
- JULY 25-29
  Around the Clock Imaging
  Hotel Omni Mont-Royal | Montreal, Quebec, Canada