



Penn Medicine



PEARLS, PITFALLS & PROTOCOLS:

SPRING IMAGING UPDATE

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CREDITS*
23.75 | 20
CME/SAM

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MARCH 19-23

Disney's Grand Floridian Resort & Spa
Lake Buena Vista, FL

2018

**PERELMAN SCHOOL OF MEDICINE
AT THE UNIVERSITY OF PENNSYLVANIA**
FACULTY

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Assistant Professor of Radiology
Division of Musculoskeletal Radiology

► **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. The existence or absence of COI for everyone in a position to control content will be disclosed to participants prior to the start of each activity.

► **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.

ACCREDITATION STATEMENT

This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of Postgraduate Institute for Medicine and Penn Medicine. The Postgraduate Institute for Medicine is accredited by the ACCME to provide continuing medical education for physicians.

Jointly provided by Postgraduate Institute for Medicine and Penn Medicine's Department of Radiology



Postgraduate Institute
for Medicine



Penn Medicine

CREDIT DESIGNATION

The Postgraduate Institute for Medicine designates this live activity for a maximum of **23.75 AMA PRA Category 1 Credit(s)**[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

The following is a breakdown of hours by modality.

XR: 9.5

US: 6.0

MR: 11.5

PET: .5

CT: 16.5

MAINTENANCE OF CERTIFICATION (MOC)

Participants in this activity will have an opportunity to earn up to **20 Self-Assessment credits (SAM)**. These modules meet the ABR's criteria for a self-assessment activity in the ABR Maintenance of Certification program.





OVERVIEW

► 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 (ie, physical, dietary, etc). Please contact Angela Scott at least two weeks prior to the live event at 215-662-6982 or via email at cme@rad.upenn.edu.

Questions?

✉ cme@rad.upenn.edu

☎ 215.662.6982

This week-long course is designed for radiologists in clinical practice or in-training. The program will provide practical information to enhance image-acquisition and interpretation skills using imaging modalities such as CT, MRI, ultrasound, and plain films. Experienced faculty will highlight key 'pearls' and potential 'pitfalls' you want to avoid as well as how to search for subtle findings. Selected topics in neuroradiology, head and neck, abdominal, chest, musculoskeletal and pediatric radiology will be covered.

*To satisfy Maintenance of Certification (MOC) Part 2, the ABR requires diplomates to attain 75 CME credits every three years, at least 25 of which must be from Self-Assessment CME (SAMs) activities. This course satisfies more than 30% of the CME credit requirement and 80% of the SA-CME requirements.

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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
- ☐ Identify high yield diagnoses throughout multiple specialties of radiology
- ☐ Review common imaging artifacts, anatomic variants, and critical diagnoses and make appropriate management recommendations

SCHEDULE

MONDAY, MARCH 19, 2018

- 6:30am Registration | Continental Breakfast
- 7:10 Welcome & Opening Remarks
- 7:15 Pituitary & Parasellar Pathology: Pearls and Pitfalls (MR,CT)
Laurie A. Loevner, MD
- 7:45 Found Down: What to look for? (MR,CT)
Suyash Mohan, MD
- 8:15 Thoracic Trauma: Tips and Traps (CT, XR)
Arun C. Nachiappan, MD
- 8:45 Maxillofacial Injury: Practical Tips (XR, MR, CT)
Suyash Mohan, MD
- 9:15 **SAM** | Questions & Answers
- 9:30 Coffee Break
- 9:45 Pulmonary Infections: Mycobacteria and Beyond (CT, XR)
Arun C. Nachiappan, MD
- 10:15 Brain Pain: CNS Infections (MR,CT)
Suyash Mohan, MD
- 10:45 Double Header in Head & Neck: EBV and HIV (MR,CT)
Laurie A. Loevner, MD
- 11:15 Deep Neck Space Infections: Pearls and Pitfalls (XR, MR, CT)
Suyash Mohan
- 11:45 **SAM** | Questions & Answers
- 12:00 Adjourn

TUESDAY, MARCH 20, 2018

- 6:45am Continental Breakfast
- 7:15 Interstitial Lung Disease: Interesting and Challenging (CT, XR)
Arun C. Nachiappan, MD
- 7:45 Backbone of Neuroradiology: An Inside-Out Approach to Spine Pathology (MR,CT)
Laurie A. Loevner, MD
- 8:15 Imaging in the ICU: Beware of the Snare (CT, XR)
Arun C. Nachiappan, MD

- 8:45 PET-CT in Head and Neck Cancer: Pearls and Pitfalls (PET/CT)
Laurie A. Loevner, MD
- 9:15 **SAM** | Questions & Answers
- 9:30 Coffee Break
- 9:45 Acute and Chronic Pulmonary Embolism: Concepts and Controversies (CT, XR, NM)
Arun C. Nachiappan, MD
- 10:15 Sino-Nasal and Skull Base Pathology (MR,CT)
Laurie A. Loevner, MD
- 10:45 Pulmonary Nodules & Lung Cancer (A Status Update) (CT, XR, NM)
Arun C. Nachiappan, MD
- 11:15 Case-Based: 10 Pearls of Wisdom Around the Neck (MR,CT)
Laurie A. Loevner, MD
- 11:45 **SAM** | Questions & Answers
- 12:00 Adjourn

WEDNESDAY, MARCH 21, 2018

- 6:45am Continental Breakfast
- 7:15 2016 WHO Classification of the Brain Tumors: State-of-the-Art Imaging Update (MR,CT)
Suyash Mohan, MD
- 7:45 Problem Solving in Abdominal Imaging: The Power of Doppler (US)
Steven C. Horii, MD
- 8:15 Biliary Emergencies (XR, MR, CT, US)
Matthew A. Morgan, MD
- 8:45 Acute Pelvic Pain: What Not to Miss! (XR, CT, US)
Steven C. Horii, MD
- 9:15 **SAM** | Questions & Answers
- 9:30 Coffee Break
- 9:45 Ultrasound of the Male Genitalia: Erectile Dysfunction & Unusual Scrotal Problems (US)
Steven Horii, MD
- 10:15 The 'Itis' Disorders: Pancreatitis Plus (XR, CT, MR)
Matthew A. Morgan, MD

10:45 Professional Productivity Strategies: Making the Reading Room Smarter, Friendlier, & More Efficient
Steven C. Horii, MD

11:15 The Top 10 Missed Diagnoses in GI Tract Pathology (CT, MR, US, XR)
Matthew A. Morgan, MD

11:45 **SAM |** Questions & Answers

12:00 Adjourn

■ THURSDAY, MARCH 22, 2018

6:45am Continental Breakfast

7:15 MR Enterography: The Good, The Bad, & The Ugly (MR, CT)
Matthew A. Morgan, MD

7:45 Fetal Ultrasonography: Old Questions, New Answers? (US)
Steven C. Horii, MD

8:15 CT Urography: Protocols & Pitfalls (CT)
Matthew A. Morgan, MD

8:45 Pediatric Critical Care Films: Identifying the Needle in the Haystack and Knowing What to do About It (XR, CT)
Janet R. Reid, MD, FRCPC

9:15 **SAM |** Questions & Answers

9:30 Coffee Break

9:45 Refusal to Bear Weight: Identifying the Elusive Cause through Complementary Imaging (XR, US, CT, MR)
Janet R. Reid, MD, FRCPC

10:15 Anatomic Variant: Normal or Pathological? (XR, CT, MR, US)
Ronnie A. Sebro, MD, PhD

10:45 Avoiding Pitfalls in Ultrasound of Everyday Musculoskeletal Conditions (US)
Matthew A. Morgan, MD

11:15 Blind Spots and Missed Diagnoses on Knee MRI (XR, MR, CT)
Ronnie A. Sebro, MD, PhD

11:45 **SAM |** Questions & Answers

12:00 Adjourn

■ FRIDAY, MARCH 23, 2018

6:45am Continental Breakfast

7:15 Optimization of MSK MRI: Imaging Artifacts and Metal Suppression Techniques (MR)
Ronnie A. Sebro, MD, PhD

7:45 Pediatric Vascular Anomalies: Using Complementary Imaging to Sharpen Your Diagnostic Accuracy (US, MRI)
Janet R. Reid, MD, FRCPC

8:15 Musculoskeletal Masses and Mimics: Myositis, Osteomyelitis and Synovitis (MR, CT)
Ronnie A. Sebro, MD, PhD

8:45 What You Need to Know about the Top 5 Pediatric Abdominal Tumors (US, CT, MR)
Janet R. Reid, MD, FRCPC

9:15 **SAM |** Questions & Answers

9:30 Coffee Break

9:45 A 360-Degree Tour of the Shoulder (XR, MR, CT)
Ronnie A. Sebro, MD, PhD

10:15 Ultrasound Red Flags in the Critical Newborn (US)
Janet R. Reid, MD, FRCPC

10:45 ESPN Imaging: Hipsters and Hip-Pointers (XR, MR, CT)
Ronnie A. Sebro, MD, PhD

11:15 Pediatric Acute Abdomen: A Case-Based Approach (CT, MR, US)
Janet R. Reid, MD, FRCPC

11:45 **SAM |** Questions & Answers

12:00 Adjourn



ACCOMMODATIONS

Victorian elegance meets modern sophistication at this lavish bayside resort hotel. Relax in the sumptuous lobby as the live orchestra plays ragtime, jazz, and popular Disney tunes. Bask on the white-sand beach, indulge in a luxurious massage and watch the fireworks light up the sky over Cinderella Castle. Just one stop to Magic Kingdom park on the complimentary Resort Monorail, this timeless Victorian-style marvel evokes Palm Beach's golden era.

In addition to its convenient location, the Resort features a world-class spa and health club, pools, and numerous restaurants and bars on property. Other Disney restaurants are easily accessed via the monorail, bus or water taxi.

UPENN HOTEL RATES

Group rates for this meeting are \$339 single/double occupancy plus applicable local taxes, currently 12.5%. These rates are guaranteed until February 25, 2018 unless our block fills sooner. Complimentary Magical Express transfers are included in this room rate. This is a popular travel week and we encourage you to reserve early. Identify yourself with the Penn Radiology group when booking. We have negotiated rates for other room types but are not holding them in our block. For availability, please call Reservations at 407-824-1383 between 8:30 am – 6:00PM, Monday-Friday and 8:30am-5:00pm EST on Saturday.

Disney's Grand Floridian Resort & Spa

<https://disneyworld.disney.go.com/resorts/grand-floridian-resort-and-spa/>

4401 Floridian Way
Lake Buena Vista, FL 32830-8451
Hotel Direct: 407-824-3000
Reservations: 407-939-4686

CUT-OFF DATE: February 25, 2018

CHECK IN: 3 PM | CHECK OUT: 11 AM

Lagoon View \$389/night
Theme Park View \$439/night
Concierge Club \$539/night

You may book rooms by visiting <https://aws.passkey.com/go/PennRadiologySpring2018>

Locate the "Book My Hotel" button on the upper right side of the page. Once you have confirmed your hotel accommodations, the website will serve all of your planning needs for this trip. Located on this site is information about our meeting property, Disney's Grand Floridian Resort & Spa, tickets to the four Theme Parks, complimentary hotel transfer on Disney's Magical Express along with many amenities available to guests at Walt Disney World® Resort. By clicking on Purchase Specialty-Priced Tickets Now link, you will be redirected to a custom link where you can purchase discounted tickets to all of the parks.

Disney Dining is best done with reservations which are available six months in advance of arrival. To make reservations call 407.WDW-DINE or book them online through your own My Disney Experience Account. Remember, you may make these reservations 6 months/180 days in advance of your arrival.

REGISTRATION



▶ MEETING MATERIALS – ALL ON OUR APP!

Our meeting app includes lecture slides, SAMs, evaluations and instructions to obtain your online CME certificate. We also hope you will join the Activity Feed and share pictures of meals you are enjoying and places you are visiting.

Prior to the course, registered attendees will receive an invitation to go to the App Store or Google Play and download "Attendee Hub." Using the course code from your email, you will be able to access the course content. A paper syllabus is not available. If you do not have a Smartphone and wish to earn SAM credits, please contact our office at 215-662-6982 or cme@rad.upenn.edu

▶ COURSE CANCELLATION POLICY & TUITION REFUNDS

A full refund for the enrollment fee, less a \$75 administrative cost will be made upon receipt of a written request (via fax or email) if received by 5:00 pm on Friday 2/19/2018. Refunds will not be made after this date.

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.

▶ CME CERTIFICATES

Upon conclusion of the course, participants are asked to log onto cmeuniversity.com and complete the course evaluation. Upon completion, and once you have claimed your credits, your CME certificate will be available for download.

▶ LOYALTY REWARD

A \$100 discount off the Physician fee is available to anyone who attended a CME course in 2017 and paid the full Physician Rate. To obtain this discount enter **LOYALTY2017** (case sensitive) when prompted for the CME Code. (Registrations will be verified.)

Discounts may not be combined and only one code per registration may be used.

EARLY ENROLLMENT DEADLINE: JANUARY 23, 2018 (11:59PM)

To register for this conference:

▶ **ONLINE:** Visit <http://bit.ly/PennRadiologyCME>
(Visa, Mastercard, Amex or Discover accepted)

▶ **MAIL:** Checks (US dollars only drawn on a US bank) payable to **Penn Radiology**

ADDRESS: Penn Radiology CME
3400 Spruce Street / 1 Silverstein
Philadelphia, PA 19104-4238

*Telephone and faxed registrations are discouraged.
Upon receipt of payment, an email confirmation will be sent. Be sure to include your preferred email address when registering.*

Name: _____

Affiliation: _____

Address: _____

City, State, Zip: _____

☐ This is my home address

☐ This is my business address

Phone: _____ Fax: _____

Email: _____

(course confirmation is sent by email only)

CONFERENCE FEES

SPRING IMAGING UPDATE COURSE FEES:

	By 1/23/18	After 1/23/18
☐ Physician Rate	\$910	\$985
☐ Special Rate*	\$600	\$700

*This Special Rate is available to Penn Alumni, VA/Active Military, Physicians outside U.S., Retired, Residents/Fellows with letter of verification and physicians practicing in the Greater Orlando region.

Would you like to receive general Penn Radiology CME email notices? ☐ Yes ☐ No

Year of birth for record verification ____ / ____ / ____ / ____

How did you hear about this conference?

- | | |
|---|---|
| ☐ CMESAM/Radlist | ☐ Past course attendee |
| ☐ Direct Mail | ☐ Other Internet sites |
| ☐ Email | ☐ Social Media (Twitter, |
| ☐ Friend/Colleague | Facebook) |