



Penn Medicine
Department of Radiology

41ST ANNUAL
**DIAGNOSTIC IMAGING
ON THE CAPE**

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



JULY 8-12

Chatham Bars Inn
Chatham, Massachusetts

CREDITS
23.5* | 14
CME/SAM

**Exclusive of workshop*

2019



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

Jill E. Langer, MD
COURSE DIRECTOR

Professor of Radiology
Division of Abdominal Radiology

Netanel S. Berko, MD

Assistant Professor of Clinical Radiology
Division of Musculoskeletal Imaging

Scott A. Simpson, DO

Assistant Professor of Clinical Radiology
Division of Thoracic Imaging

John H. Woo, MD

Associate Professor of Radiology
Division of Neuroradiology

Hanna Zafar, MD

Assistant Professor of Radiology
Division of Abdominal Radiology

► **MEETING MATERIALS**

A link to download the course lecture PDFs will be sent to registered participants in the week leading up to the course. 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**, available for download in the App Store and Google Play.

On the app, attendees can:

- View the course schedule
- 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.

In addition to the download link with all lecture slides, upon check-in, course registrants may request a flash drive with PDFs of the lecture slides. NOTE: a paper syllabus will not be available.

NEW THIS YEAR!

Focused Musculoskeletal Ultrasound Hands-On Workshop

In this new 2-hour hands-on workshop, participants will practice scanning of common musculoskeletal ultrasound examinations. This workshop will cover ultrasound of major joints for conditions including effusion, bursitis and common tendon pathology. Simulation of ultrasound-guided injections for musculoskeletal pathology in the upper and lower extremity will be performed as well. This workshop is suitable for radiologists with little or no prior musculoskeletal ultrasound experience. Limited enrollment. Participants will select from two 2-hour time slots during registration.

LEARNING OBJECTIVES:

At the conclusion of this session, participants should:

- ❑ Describe the scanning technique for common musculoskeletal ultrasound examinations
- ❑ Be able to perform basic musculoskeletal ultrasound examinations in the upper and lower extremity
- ❑ Demonstrate familiarity with the technique for common ultrasound-guided injections for musculoskeletal pathology

► 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 Angela Scott at least two weeks prior to the live event at 215-662-6982 or via email at cme@rad.upenn.edu.



OVERVIEW

Our annual five-day summer course, now in its 41st year, is designed for radiologists in clinical practice. This year's course will include lectures related to challenging cases and diagnostic pitfalls. Speakers will discuss advanced techniques as well as offer practical tips and share imaging protocols to enhance image acquisition and interpretation skills. Additionally, the speakers will emphasize indications for complimentary use of different imaging modalities. SAM credits will be offered throughout the week.

QUESTIONS?

Call 215.662.6982 or email cme@rad.upenn.edu

Chatham, Massachusetts | JULY 8-12, 2019

DIAGNOSTIC IMAGING ON CAPE COD



COURSE OBJECTIVES

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

- ☐ Effectively utilize US in the evaluation of the thyroid nodules and diffuse thyroid disease
- ☐ Apply the updated guidelines for recommending fine-needle aspiration, molecular testing and follow up imaging of thyroid nodules
- ☐ Describe the specific characteristics of diffuse and focal pulmonary lesions
- ☐ Apply the current pathological and radiological classification of adenocarcinoma spectrum lesions
- ☐ Describe the CT and MR imaging of features of mediastinal lesions
- ☐ Describe the MR appearance of abnormalities in the brain, liver, pancreas and gastrointestinal track
- ☐ Utilize the LI-RADS reporting system of hepatocellular carcinoma
- ☐ Review implementation, interpretation of and appropriate indications for low dose CT in the abdomen and pelvis
- ☐ Describe the MR appearance of knee and spine pathology and injuries
- ☐ Describe the imaging of features of mediastinal lesions
- ☐ Utilize the WHO reporting systems for classifying brain neoplasms
- ☐ Identify post-operative complications in the spine
- ☐ Discuss methods to improve imaging of the post-operative spine

SCHEDULE

MONDAY, JULY 8, 2019

- 6:45a Registration/Continental Breakfast
- 7:20 Opening Remarks
Jill Langer, MD
- 7:30 Imaging of Weekend Warrior Injuries
(MRI, US)
Natal S. Berko, MD
- 8:15 How Low Can You Go? Pearls and Pitfalls of Low Dose CT for Common Abdominal and Pelvic Order Indications (CT)
Hanna Zafar, MD
- 9:00 MSK Radiology on Call: Subtle and Easily Missed Fractures (CXR, CT, MRI)
Natal S. Berko, MD
- 9:45 Break/Refreshments
- 10:00 Q&A
- 10:15 Pancreas Potpourri: Multimodality approach to distinguishing neoplastic and non-neoplastic pancreatic findings (CT, MRI)
Hanna Zafar, MD
- 11:00 Comprehensive Review of Knee MRI (MRI)
Natal S. Berko, MD
- 11:45 Structured Reporting
Hanna Zafar, MD
- 12:30 Adjourn

OPTIONAL*

- 1:30-3:30 **Focused Musculoskeletal Ultrasound Hands-On Workshop****
*Limited attendance-registration required
**Additional registration fee

TUESDAY, JULY 9, 2019

- 7:00a Continental Breakfast
- 7:30 MRI Liver Pearls (MRI)
Hanna Zafar, MD
- 8:15 Post-Op Imaging of Common Orthopedic Procedures (CXR, CT, MRI, US)
Natal S. Berko, MD

- 9:00 CTC and CTE (CT)
Hanna Zafar, MD
- 9:45 Break/Refreshments
- 10:00 Q&A
- 10:15 High-Yield MSK US: From Diagnosis to Treatment (US)
Natal S. Berko, MD
- 11:00 Handling Incidental Findings (CT, US)
Hanna Zafar, MD
- 11:45 Imaging of Common Bone and Soft Tissue Tumors: Case-Based Review (CXR, CT, MRI)
Natal S. Berko, MD
- 12:30 Adjourn

OPTIONAL*

- 1:30-3:30 **Focused Musculoskeletal Ultrasound Hands-On Workshop****
*Limited attendance-registration required
**Additional registration fee

WEDNESDAY, JULY 10, 2019

- 7:00a Continental Breakfast
- 7:30 Spine: Degenerative Disease (CT, MRI, CR)
John H. Woo, MD
- 8:15 Update of Thyroid FNA Indications (US)
Jill E. Langer, MD
- 9:00 Spine: Postoperative Imaging (CT, MRI, CXR)
John H. Woo, MD
- 9:45 Break/Refreshments
- 10:00 Q&A
- 10:15 Challenges in Neck Sonography (US)
Jill E. Langer, MD
- 11:00 Hydrocephalus: 2019 Update (CT, MRI)
John H. Woo, MD
- 11:45 Pelvic Sonography: Diagnosing the Subtle Abnormalities (US)
Jill E. Langer, MD
- 12:30 Adjourn

THURSDAY, JULY 11, 2019

- 7:00a Continental Breakfast
- 7:30 Intra-axial Brain Neoplasms (2016 WHO) (CT, MRI)
John H. Woo, MD
- 8:15 Lines and Stripes: CXR Anatomy with CT Correlation (CXR, CT)
Scott A. Simpson, MD
- 9:00 Mimics of Brain Neoplasms (CT, MRI)
John H. Woo, MD
- 9:45 Break and Refreshments
- 10:00 Q&A
- 10:15 Tiny Dots and Spots: Diagnostic Approach to Micronodular Lung Diseases (CT, CXR)
Scott A. Simpson, MD
- 11:00 Neuroimaging Cases (CT, MRI)
John H. Woo, MD
- 11:45 Holy Holes! Tackling Cystic Lung Diseases (CXR, CT)
Scott A. Simpson, MD
- 12:30 Adjourn

FRIDAY, JULY 12, 2019

- 7:00a Continental Breakfast
- 7:30 Alphabet Soup: UIP, NSIP and Other Fibrosing Lung Diseases (CXR, CT)
Scott A. Simpson, MD
- 8:15 Thyroid FNA: What the Radiologist Needs to Know (US)
Jill E. Langer, MD
- 9:00 On the Spectrum: Adenocarcinoma Lesions and TNM 8th Edition Updates (CT)
Scott A. Simpson, MD
- 9:45 Break and Refreshments
- 10:00 Q&A
- 10:15 Approach to Mediastinal Masses, Beyond the Terrible T's (CXR, CT, MRI)
Scott A. Simpson, MD
- 11:00 Ultrasound Challenging Cases (US)
Jill E. Langer, MD
- 11:45 Adjourn

ACCREDITATION STATEMENT



JOINTLY ACCREDITED PROVIDER™
INTERPROFESSIONAL CONTINUING EDUCATION

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 education for the healthcare team.

PHYSICIAN CONTINUING MEDICAL EDUCATION

MEETING

The Postgraduate Institute for Medicine designates this live activity for a maximum of 23.5 *AMA PRA Category 1 Credit(s)*™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

The credit breakdown by day:

**Monday: 4.75 | Tuesday: 4.75 | Wednesday: 4.75
Thursday: 4.75 | Friday: 4.5**

The total hours covered in each modality include:

MRI: 9.75 | US: 6.0 | CT: 14.25 | CXR: 6.75

MSK WORKSHOP

The Postgraduate Institute for Medicine designates this live activity for a maximum of 2 *AMA PRA Category 1 Credit(s)*™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

CME CERTIFICATES

At the conclusion of this activity, registered participants will receive an email with a link to complete an online evaluation and print their CME certificate.

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 maintenance of certification (MOC) program. All SAM modules are administered through the course meeting app with instant feedback and references provided. Participants will receive a certificate of completion with the number of SAM credits earned within two weeks following the course end date.



Chatham Bars Inn

<http://www.chathambarsinn.com/>

297 Shore Road
Chatham, MA 02633

Reservations: 800-527-4884

CUT-OFF DATE: June 14, 2019

CHECK IN: 4:00 PM

CHECK OUT: 11:00 AM

ACCOMMODATIONS

We have negotiated a group rate for a limited block of rooms in the main inn and ocean view cottage rooms:

Main Inn Property View.....	\$469
Main Inn Ocean View.....	\$735
Cottage Room Property View (1 King Bed)	\$610
Cottage Room Property View (2 Queen Beds).....	\$665
Cottage Room Ocean View (King)	\$785
Cottage Room Ocean View (2 Queen Beds).....	\$800

The above rates do not include Massachusetts occupancy tax, currently 9.7% and a resort fee of 5%/night, per room. (The resort fee includes unlimited local phone calls, evening turndown service, morning coffee/tea/muffins in the lobby, daily newspaper, use of the fitness center, high-speed wireless internet throughout the resort, valet, and self-parking.)

HOTEL ROOM RESERVATIONS: <http://bit.ly/CBI2019>

When reserving online, be sure to read the Terms and Conditions which outlines deposit and cancellation policies. Housekeeping and bellman gratuities are at the discretion of the individual.

ADDITIONAL GUEST CONCESSIONS:

- 10% discount off any hotel Spa treatments
- 10% discount off any costs related to the children's program (9:00 am - 12 noon is complimentary; reservations highly encouraged)
- Complimentary use of the hotel fitness center

HOTEL RESERVATIONS

Due to the popularity of this program at this lovely resort, our limited room block will fill up quickly. To accommodate as many attendees as possible, we are limiting a registrant to a maximum of two guest rooms for their immediate family. (Room reservations should be made in the same name as the course registrant.) The cut-off date is **June 14, 2019**, though our block could fill sooner. Call Room Reservations at 800-527-4884 or 508-945-0096 to book your accommodations. Please identify yourself with the UPENN Diagnostic Imaging conference.

TRAVEL INFORMATION

Transfer between Airport & Hotel

T.F. Green Airport in Providence, Rhode Island or Logan International Airport in Boston is closest to the Cape. From either airport, you will want to rent a car; Approximate driving time from both airports is two hours.

REGISTRATION



For guests who do not want to rent a car, the Concierge at CBI can arrange private transfers from either airport.

CAR RENTAL:

Budget: 800:215-7992 | www.Budget.com
BCD#: U306158

Arrangements have been made with Budget Car Rental for special rates during this meeting. Enter the BCD code when making your reservation. The cost each way for a standard sedan, up to 3 people is \$265 inclusive of tax and gratuity. An SUV for more passengers in \$290 inclusive.

THINGS TO DO IN CHATHAM

Located in the "elbow," Chatham is halfway between Falmouth and Provincetown. Chatham is known for its miles of beautiful sandy beaches and world-class fishing. Chatham also prides itself on its history of conservation. Nature trails and parks provide the perfect spot to bike around while looking at the sweeping views of the Atlantic and streets lined with historic cottages and mansions. Another Chatham highlight is watching all the seals follow the fishing boats into Chatham Pier with their daily catch.

COURSE CANCELLATION POLICY & TUITION REFUNDS

A full refund for the enrollment fee, less a \$100 administrative cost will be made upon receipt of a written request (via fax or email) if received by 5:00 pm on **Monday, June 24, 2019**. 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.

EARLY ENROLLMENT DEADLINE: MAY 13, 2019 (11:59PM)

To register for this conference:

► **ONLINE:** Visit PennMedicine.org/RadiologyCME (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 / Suite 130
Philadelphia, PA 19104-4238

Telephone and fax registrations are discouraged. Upon receipt of payment, an email confirmation is sent. Be sure to include your preferred email address when registering. This address is used for course correspondence including password instructions to download the meeting app. The app is used for administering SAMs.

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

By 11:59 PM 5/13/19 After 12:01 AM 5/13/19

☐ **Physician Rate** **\$965.00** **\$1,065.00**

☐ **Special Rate*** **\$850.00** **\$950.00**

Optional Hands-On Workshop (1:30-3:30 PM)

(Limited Enrollment) **\$150.00** ☐ **Monday** ☐ **Tuesday**

*The Special Rate is available to Penn Medical Alumni, VA/Active Military, Penn Medicine Network Providers, Physicians Outside the U.S., Retired and Residents/Fellows with a letter of verification.

LOYALTY REWARD

A \$100 discount off the Physician fee is available to anyone who attended a UPENN Radiology CME course in 2018 and paid the full Physician Rate. To obtain this discount enter **RETURN2018** (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.

PENN RADIOLOGY CME

2019

- ▶ **MARCH 25-28**
Radiology After Hours: Acute Diagnoses on Evenings and Weekends
Atlantis Paradise Island Resort
Nassau, Bahamas
- ▶ **JULY 8-12**
41st Annual Diagnostic Imaging: On Cape Cod
Chatham Bars Inn
Chatham, Massachusetts
- ▶ **JULY 29-AUGUST 2**
Around the Clock Imaging
Fairmont Pacific Rim
Vancouver, British Columbia, Canada
- ▶ **SEPTEMBER 7-10**
Diagnosis in the Neuraxis: Comprehensive Clinical Review of Neuroradiology
Perelman Center for Advanced Medicine
Philadelphia, PA
- ▶ **OCTOBER 14-17**
Oncologic Imaging: What the Radiologist Needs to Know
Hamilton Princess & Beach Club
Hamilton, Bermuda

2020

- ▶ **JANUARY 5-10**
Breast and Body Imaging at the Beach
Andaz Costa Rica Resort at Peninsula Papagayo
Guanacaste, Costa Rica
- ▶ **FEBRUARY 16-18**
Innovations in Breast Cancer Diagnosis & Treatment
Tel Aviv, Israel
- ▶ **MARCH 23-27**
Pearls, Pitfalls & Protocols: Spring Imaging Update
Disney's Grand Floridian Resort & Spa
Lake Buena Vista, Florida
- ▶ **JULY 6-10**
Diagnostic Imaging: Back to the Vineyard
The Harbor View Hotel
Edgartown, Massachusetts
- ▶ **SEPTEMBER 18-21**
Diagnosis in the Neuraxis: Comprehensive Review of Clinical Neuroradiology
Perelman Center for Advanced Medicine
Philadelphia, PA



Penn Medicine

Department of Radiology/Continuing Medical Education
3400 Spruce Street, 1 Silverstein
Philadelphia, PA 19104-4238

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To see more Penn Radiology courses, visit our calendar
PennMedicine.org/RadiologyCME