



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



JANUARY 8-13

Four Seasons Resort
Costa Rica at Peninsula Papagayo
Guanacaste, Costa Rica

CREDITS
26
CME

2023



OVERVIEW

Our weeklong CME-certified program is designed for full or part-time clinical radiologists. The first three days are dedicated to breast imaging topics and offers attendees 15.75 CME credits to meet MQSA guidelines. In addition to reviewing breast imaging fundamental to improve interpretation skills, the breast content will include the latest medical technology and techniques in MRI, DBT, screening, and breast ultrasound.

The second portion of the course focuses on common disease processes encountered in chest and non-cardiac cardiovascular radiology. Didactic lectures will emphasize methodical and practical approaches to challenging cases rather than granular disease-related details. During these two days, attendees will be able to apply these approaches in daily instructor-led curated and interactive case sessions.

TARGET AUDIENCE

This program is designed for general and sub-specialized radiologists in clinical practice looking to improve their interpretive and diagnostic acumen in breast, chest, and non-cardiac cardiovascular radiology.

COURSE OBJECTIVES

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

BREAST LECTURES:

- Review methods to optimize mammographic screening and diagnosis, including the use of digital breast tomosynthesis and the incorporation of deep learning and artificial intelligence
- Discuss the data and optimization of supplemental screening with whole breast ultrasound, contrast-enhanced mammography, and abbreviated breast MRI
- Describe the staging and biology of breast cancer and the impact on patient outcomes
- Outline the methods used to optimize breast MRI imaging sequences as study interpretation
- Improve image-guided breast biopsy skills and management of high-risk lesions

CHEST LECTURES:

- Differentiate the four most common cystic lung diseases
- Apply the 2017 Fleischner criteria to unknown fibrotic interstitial lung disease cases
- Describe the causes of the reverse halo sign using CT and clinical features
- Distinguish acute from chronic pulmonary embolus and common artifacts
- Identify common postoperative complications following aortic repair

SCHEDULE

SUNDAY, JANUARY 8, 2023

BREAST IMAGING: SCREENING AND BEYOND

- 6:30 Continental Breakfast
- 7:15 Introduction
Emily F. Conant, MD
- 7:30 Update on Digital Breast Tomosynthesis —
Where Do We Stand?
Emily F. Conant, MD
- 8:15 Screening Breast Ultrasound: When is it Useful
& Can We do It Better?
Maxine S. Jochelson, MD
- 9:00 Artificial Intelligence in Breast Cancer Screening
Emily F. Conant, MD
- 9:45 Break
- 10:00 Breast Calcifications: The Good, Bad and the Really Ugly
Elizabeth S. McDonald, MD, PhD
- 10:45 BIRADS Category 3: When We Should and Shouldn't Use It
Maxine S. Jochelson, MD
- 11:30 Challenging Case Series - False Negatives
Emily F. Conant, MD
- 12:15 Panel Q&A
Conant, Jochelson, McDonald
- 1:00 Adjourn

MONDAY, JANUARY 9, 2023

RISK ASSESSMENT AND ADVANCED IMAGING

- 6:30 Continental Breakfast
- 7:15 Breast Density and Beyond: Risk Assessment in the
Breast Imaging Clinic
Emily F. Conant, MD
- 8:00 High Risk Screening: The Devil is in the Details
Maxine S. Jochelson, MD
- 8:45 Basic and Advanced MR Implementation and Interpretation
Elizabeth S. McDonald, MD, PhD
- 9:30 Break
- 9:45 Contrast Enhanced Mammography: Putting Theory
into Practice
Maxine S. Jochelson, MD
- 10:30 AB-MR Implementation and Interpretation
Emily F. Conant, MD
- 11:15 Challenging Case Series — MR
Elizabeth S. McDonald, MD, PhD
- 12:00 Panel Q&A
Conant, Jochelson, McDonald
- 12:45 Adjourn

PENN MEDICINE FACULTY

Emily F. Conant, MD

BREAST IMAGING PROGRAM DIRECTOR

Professor of Radiology
Chief of Breast Imaging
Vice-Chair, Faculty Development

Elizabeth McDonald, MD, PhD, FSBI

Associate Professor of Radiology
Director of Breast MRI
Co-Director, Breast Cancer Translational Research Group

Scott S. Simpson, DO, MS

CHEST IMAGING PROGRAM DIRECTOR

Assistant Professor of Clinical Radiology
Division of Thoracic Imaging
Associate Radiology Residency Program Director

GUEST SPEAKERS

Maxine S. Jochelson, MD

Memorial Sloan Kettering Cancer Center
Chief, Breast Imaging Service
New York, NY

Constantine Apostolos Raptis, MD

Associate Professor, Radiology
Cardiothoracic Imaging Section
Director, Thoracic MRI
Co-Director, Emergency Radiology
Associate Professor, Medicine
Mallinckrodt Institute of Radiology
St. Louis, MO

SCHEDULE

TUESDAY, JANUARY 10, 2023

BREAST IMAGING: DIAGNOSTICS AND MANAGEMENT

- 6:30 Continental Breakfast
- 7:15 Tips and Tricks in Breast Intervention
Elizabeth S. McDonald, MD, PhD
- 8:00 High Risk and High Stakes: Management of Controversial Breast Lesions
Emily F. Conant, MD
- 8:45 Breast Cancer Biology: What the Imager Needs to Know
Elizabeth S. McDonald, MD, PhD
- 9:30 Break
- 9:45 Imaging Follow-up of the Post-Surgical Breast Patient
Maxine S. Jochelson, MD
- 10:30 Staging of Breast Cancer — Including Management of Lymph Nodes
Elizabeth S. McDonald, MD, PhD
- 11:15 Challenging Cases — Multimodality
Maxine S. Jochelson, MD
- 12:00 Panel Q&A
Conant, Jochelson, McDonald
- 12:45 Adjourn

WEDNESDAY, JANUARY 11, 2023

DAY AT LEISURE

THURSDAY, JANUARY 12, 2023

- 6:30 Continental Breakfast
- 7:15 Introduction
Scott Simpson, DO
- CHEST IMAGING: HRCT LUNG IMAGING, PART I**
- 7:30 Lines and Stripes and Bumps — Oh My! CXR with CT Correlation
Scott Simpson, DO
- 8:15 Holy Holes; Approach to Cystic Lung Disease
Scott Simpson, DO
- 9:00 Tiny Dots and Spots; Approach to Micronodular Lung Disease
Scott Simpson, DO
- 9:45 Break
- AORTOPULMONARY VASCULAR IMAGING, PART I**
- 10:00 Acute Thromboembolic Pulmonary Arterial Disease
Constantine Apostolos Raptis, MD
- 10:45 Beyond Acute PE: Other Important Diagnoses Affecting the Pulmonary Arteris
Constantine Apostolos Raptis, MD
- 11:30 Finding Hemo: Imaging Approach to the Patient with Hemoptysis
Constantine Apostolos Raptis, MD
- 12:15 Question & Answers
- 12:45 Adjourn

FRIDAY, JANUARY 13, 2023

- 6:45 Continental Breakfast
- AORTOPULMONARY VASCULAR IMAGING, PART II**
- 7:30 Approach to the Acute Aortic Syndrome
Constantine Apostolos Raptis, MD
- 8:15 The Difficult Acute Aorta: Limited Intimomedial Tears and Aortopathies
Constantine Apostolos Raptis, MD
- 9:00 Case Review: Untangling the Arteries
Constantine Apostolos Raptis, MD
- 9:45 Break
- HRCT LUNG IMAGING, PART II**
- 10:00 UIP and the Alphabet Soup of Fibrotic ILD
Scott Simpson, DO
- 10:45 Consolidating Consolidation and Looking Through the Ground Glass
Scott Simpson, DO
- 11:30 Tying it Together: Case Review
Scott Simpson, DO
- 12:15 Question & Answers
- 12:40 Closing Remarks
Scott Simpson, DO
- 12:45 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 medical education for the healthcare team.

CONTINUING MEDICAL EDUCATION

The Postgraduate Institute for Medicine designates this live activity for a maximum of 26 *AMA PRA Category 1 Credit(s)*™. Physicians should only claim the credit commensurate with the extent of their participation in the activity.

For Physician Assistants, the APPA accepts certification of participation from courses certified for 26 *AMA PRA Category 1 Credit(s)*™ and organizations accredited by the AACME or recognized state medical society. PAs may claim up to 26 *AMA PRA Category 1 Credit(s)*™ for completing this activity.

CREDIT BREAKDOWN

Credit breakdown by day:

Day 1: 5.25 | Day 2: 5.25 | Day 3: 5.25 | Day 4: 5.0 | Day 5: 5.0

Number of breast imaging hours by modality:

MRI: 10.5 | US: 7.5 | DBT: 9.0 | DM: 10.5

Number of chest imaging hours by modality:

CXR: 9.0 | CT: 9.0 | MRI: 1.5

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 Alaya White 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 slides, 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 Box folder. Participants are encouraged to download the PDFs to their tablet or laptop prior to arrival for ease of access.

Mobile & Web-Based Meeting App:

On-site registered attendees have the option to access all meeting content either through our mobile or web-based meeting app, Attendee Hub.

On the app, attendees can:

- View the course schedule and learning objectives
- Submit lecture questions in real-time using Live Q&A
- Access information about the meeting location, including activities and dining options
- Watch the lecture stream daily on the Attendee Hub

► OBTAINING YOUR CME CERTIFICATE

The online course evaluation goes live at the conclusion of the program. To receive an email with your CME certificate, you must submit a completed evaluation and claim your credits. Upon submission you will automatically receive an email from Penn Radiology CME. The email includes the link to download your certificate. The course evaluation must be submitted by no later than Friday, January 20, 2023, at 11:59 PM EST to earn CME for this activity.

All tuition fees listed below include an electronic syllabus available prior to the program, access to the Attendee Hub, live streaming of lectures in real time and the ability to re-watch any portion of the stream for 72 hours following the course conclusion, and electronic CME certificate.



ACCOMMODATIONS

FOUR SEASONS RESORT COSTA RICA AT PENINSULA PAPAGAYO

26Km al Norte del Doit Centre Liberia
 Peninsula Papagayo, 5000 Carrillo
 Liberia Guanacaste, Costa Rica

Hotel Direct: +506-2696-0000
 Email: reservations.cos@fourseasons.com

CUT-OFF DATE: December 15, 2022, 5PM (CST)
CHECK IN: 3:00 PM | CHECK OUT: 12:00 NOON

Attendees are asked to register for the CME course before booking hotel accommodations. The booking code and link is provided in your course confirmation email.

Welcome to the beautiful jungles of Costa Rica! Overlooking the Pacific Ocean and the northwest coastline, the Four Seasons Resort Costa Rica makes the most of its position on the Peninsula Papagayo, a 1,400-acre lush retreat flanked by rich forests, two golden sand beaches, and sparkling water.

The Four Seasons Resort Costa Rica sits on 45 acres with 181 guest accommodations offering the enjoyment of two beaches, four outdoor pools, an Arnold Palmer-designed golf course, five pro-level tennis courses, an explorers program, five dining options along with other excellent amenities. This property has received many awards, including a 2021 Forbes Travel Guide 5-Star Award. Liberia Airport (LIR) is the nearest airport, approximately 23 miles (40 minutes by car).

ROOM BLOCK & DISCOUNTED RATES:

Run of House \$625.00/night
 A maximum of three adults (18 years or older) will be allowed per room. An additional \$100.00/night fee will be charged for the third person.

There is a limit of two Run of House guest rooms per course registration. (If you require more than two, please contact our office.) We ask that all attendees register for the conference before booking accommodations. Hotel booking information is included in the registration confirmation email.

Penn Radiology has negotiated discounts on other room types listed below. Availability is confirmed at the time of reservation:

- One-Bedroom Canopy Suite \$1,200.00/night++**
- One-Bedroom Canopy Suite with Plunge Pool \$1,400.00/night++**
- Two-Bedroom Pacifico Residence \$1,825.00/night++**
- Two-Bedroom Canopy Villa \$1,825.00/night++**
- Three-Bedroom Canopy Villa \$2,450.00/night++**
- Three-Bedroom Pacifico Residence \$2,450.00/night++**

FOUR SEASONS GUEST ROOMS:

The guestroom rates listed above are per room, per night, and subject to state, local, & federal taxes. The current guestroom tax is 13%. A 10% resort service charge (taxed at 13%) covers the items listed below. Additional bellman and housekeeping gratuities are at the discretion of the individual.

The 10% service charge includes:

- Bottled water in the room replenished daily
- Twice daily housekeeping
- Bellman and housekeeping gratuities
- 24-hour on-site valet and self-parking
- Individual transportation to Prieta Beach Club, Nemare Restaurant, and Golf Clubhouse

- Purified water stations available throughout the Resort
- Standard wireless internet in rooms and Resort public areas
- Complimentary use of the steam room, cold and hot outdoor plunge pools, and steam showers at the spa
- Use of non-motorized water sports such as kayaking, paddle boarding, snorkeling, etc.
- Daily poolside amenities include mini smoothies, fresh fruit skewers, sunglass cleaning, etc.
- Access to the fitness center
- Fresh coffee and tea are available in the morning at stations throughout the Resort
- Sun protection products offered poolside
- Complimentary use of the basketball court, beach volleyball course, and all-natural grass mini golf course
- Complimentary daily resort activities available at leisure (nature hikes, bird watching, cooking classes, golf cart guided scenic nature tour, Spanish lessons, salsa lessons, etc.
- Kids for All Season kid center and Tuanis teens center offer daily activities and gaming systems

The hotel will honor our group rates three days before and after our group arrival and departure subject to room availability. **This rate is available until 12/15/2022 unless our group block fills sooner.** Reservations between the dates of Saturday, January 8th and Thursday, January 13th, can be made through our direct booking link, provided in your course registration confirmation. Arrivals and departures outside of these dates must be made with the hotel directly. Please mention the Penn Medicine block when making your reservation.



ADDITIONAL GROUP CONCESSIONS

(booked within our block):

- A complimentary welcome beverage upon arrival
- Premium guestroom wireless internet access fees waived for all guests in our room block
- 10% discount on spa treatments over 60 minutes
- 10% discount on golf green fees

CHECK-IN/CHECK-OUT

Check-in is 3:00 PM. Check-out is noon. Early check-in and late check-out requests are subject to availability and may be subject to a fee.

HOTEL DEPOSIT & CANCELLATION POLICY

All reservations must be guaranteed with a valid credit card at the time of booking. To secure accommodations, a deposit equal to two night's room and tax will be charged at the time of booking. The remaining amount will be due upon arrival.

All cancellations must be received by 5:00 pm (Hotel local time). Cancellations made prior to 48 hours of expected arrival will not be penalized. Individual attendees will be charged for two night's room and tax if they cancel within 48 hours of expected arrival.

The same penalty applies to no-shows, unexpected departure, stays shortened prior to arrival, and change of dates within the 48-hour cancellation period. Any material changes requested within the cancellation period are subject to approval by the Resort.

TRAVEL & SAFETY

Liberia Airport (LIR) is the nearest airport, approximately 23 miles (40 minutes by car). The hotel works with Relaxury for airport transfers. The Hotel Concierge can assist with arrangements and bill the charges to your room.

We have made arrangements with Budget Car Rental for special rates during this meeting. Enter the BCD code below when making your reservation. The Four Seasons Costa Rica Resort offers complimentary valet and self-parking.

Budget: 00-215-7992 or www.budget.com

BCD #: U306158

For the most current Covid-19 travel requirements, please visit the Travel section on the course website.([hyperlink](#)) This page offers additional travel tips to assist with your planning. Penn Radiology In-Person meeting guidelines are also outlined and updated as health guidelines and recommendations change.

REGISTRATION



COURSE CANCELLATION POLICY & TUITION REFUNDS

A full refund for the registration 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, December 2, 2022. 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.

REGISTRATION DISCOUNT

An additional 10% off the Full Course fee (In-Person or Virtual) is available to those falling in one of the following categories:

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

Registrations will be verified. Please use code **PENN10**

Visit PennMedicine.org/RadiologyCME

(Visa, Mastercard, Amex, or Discover accepted)

All tuition fees listed below include an electronic syllabus available before the program, access to the Attendee Hub live stream to view lectures in real-time, re-watch any portion of the stream for 72 hours following the course, and a CME certificate available immediately upon completion of the course evaluation.

For those attending in-person, the tuition fee includes all of the above, plus a Welcome Happy Hour Reception for the registrant and one guest, and daily breakfasts and breaks for the meeting registrant on lecture days.

In-Person Attendee Fees (apply to any person staying at the Four Seasons Resort or nearby hotels and planning to attend sessions in the hotel meeting room.)

COURSE REGISTRATION

after 9/30/22

Physician Rate-Breast Only	\$1150	\$1250
Physician Rate-Full Course	\$1400	\$1575

Welcome Happy Hour Reception

Happy Hour-Additional Guest (18+)	\$85
Happy Hour-Additional Child (6-17)	\$50
(Children 5 and under may attend at no extra cost.)	

VIRTUAL COURSE ATTENDEE FEES

(available to guests off-site, and unable to attend in-person)

Physician Rate-Full Course	\$775
Physician Rate-Breast Only	\$600
Physician Rate-Chest Only	\$275

Chest-only attendees enter code: **CHESTONLY** (case sensitive) in discount code box to received reduced fee.

PENN RADIOLOGY CME

2022

- ▶ **JUNE 27-JULY 1**
43rd Annual Diagnostic Imaging: Back to the Vineyard
Harbor View Hotel | Edgartown, Massachusetts
- ▶ **JULY 25-29**
Around the Clock Imaging (Hybrid)
Hotel Omni Mont-Royal | Montreal, Quebec, Canada

2023

- ▶ **JANUARY 8-13**
Breast and Chest Imaging at the Beach (Hybrid)
Four Seasons Resort | Guanacaste, Costa Rica
- ▶ **MARCH 20-24**
Spring Imaging: Pearls, Pitfalls & Protocols (Hybrid)
Loews Portofino Bay Hotel at Universal Orlando | Florida