



Penn Medicine
Department of Radiology



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



JULY 25-29

Hotel Omni Mont-Royal
Montreal, Canada

CREDITS
27.5 / 19
CME / SAM

2022



OVERVIEW

Join Penn Radiology at the Hotel Omni Mont-Royal in the magical city of Montreal in Canada's Quebec province. Montreal is set on an island along the Saint Lawrence River and named after Mt. Royal – the triple-peaked hill at its heart.

This course will focus on practical, evidence-based information to build interpretative skills that allow the generation of concise differential diagnoses and actionable reports and recommendations for our clinical colleagues and patients. It will cover **timely** topics in **brain, head & neck, spine, musculoskeletal, chest/cardiac, and the abdomen** that we see in our practices **24/7 "around-the-clock."** From arrival to our daily workplaces to attending a broad spectrum of multidisciplinary clinical conferences to our ER shifts after hours — you will be steady and ready! We will emphasize image interpretation, modality advances, and protocol selection through a series of didactic presentations and case-based sessions. **Self-Assessment Modules (SAMS)** qualified by the ABR will be offered daily. And...explore the stores, museums, multi-cultural neighborhoods, cuisine, or simply relax in the sun for fun.

TARGET AUDIENCE

This CME activity is designed to educate academic and private practice general radiologists, sub-specialized radiologists in neuroradiology, head & neck, abdominal, cardiothoracic, and musculoskeletal, and radiology fellows and residents. Related health care professionals interested in this course include oncologists, neurologists, ER physicians, related surgical specialists, and radiology technologists.

PENN MEDICINE FACULTY

Laurie A. Loevner, MD

COURSE DIRECTOR

Professor of Radiology, Neurosurgery, Otorhinolaryngology & Ophthalmology | Chief, Division of Neuroradiology

Jenny T. Bencardino, MD

Professor of Radiology | Chief, Division of Musculoskeletal Imaging

Alvand Hassankhani, MD

Assistant Professor of Clinical Radiology | Division of Neuroradiology

Jae W. Song, MD, MS

Assistant Professor of Radiology | Division of Neuroradiology

John H. Woo, MD

Associate Professor of Radiology | Division of Neuroradiology

GUEST FACULTY

Ella A. Kazerooni, MD, MS

Professor of Radiology | Service Chief, Diagnostic Radiology
Director, Cardiothoracic Radiology | Michigan Medicine

Laurent Letourneau-Guillon, MD, MSc

Clinical Associate Professor | University of Montreal

Mishal Mendiratta-Lala, MD

Clinical Associate Professor, Radiology | Michigan Medicine

Jana Taylor, MD

Assistant Professor of Radiology | McGill University

COURSE OBJECTIVES

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

- ☐ Discuss MR and CT appearances of abnormalities in the brain, spine, neck, joints, chest, and abdomen
- ☐ Assess pathology of the shoulder, knee, and hip from the clinician's perspective
- ☐ Identify and distinguish arterial and venous cerebral infarction
- ☐ Evaluate a spectrum of cancers affecting the aerodigestive tract, solid organs, and CNS
- ☐ Identify and discuss abdominal traumatic injuries
- ☐ Recognize and evaluate acute bowel pathology
- ☐ Assess liver pathology, including benign and malignant lesions
- ☐ Effectively utilize US and CT/MRI in the evaluation of the thyroid nodules
- ☐ Effectively use CT in lung cancer screening and evaluating lung nodules

SCHEDULE

MONDAY, JULY 25

6:45 Continental Breakfast

RISE AND SHINE!

7:20 Opening Remarks

7:30 Brain Pain: After Hours Misses and Interpretive Errors
John Woo, MD

8:15 Intracranial Venous Thrombosis
Jae W. Song, MD

ALL IN A DAY'S WORK

8:45 Imaging of Spontaneous Intracerebral Hemorrhage
Laurent Letourneau-Guillon, MD, MSc

9:15 Spine Trauma without the Drama
Jae W. Song, MD

9:45 Questions and Answers

10:00 BREAK

10:20 Brain in the Frying Pan: Imaging of Illicit Drug Abuse
Laurent Letourneau-Guillon, MD, MSc

TUMOR BOARD

10:50 Evaluating Intra-Axial Brain Neoplasia
John Woo, MD

11:30 Neoplasia of the Sellar and Parasellar Region:
Imaging Pearls
Laurie A. Loevner, MD

QUALITY, SAFETY AND INNOVATION

12:00 The Patient Experience in Head & Neck: Patient Facing
Radiology
Laurie A. Loevner, MD

12:30 Adjourn

TUESDAY, JULY 26

6:50 Continental Breakfast

RISE AND SHINE

7:20 Opening Remarks

7:30 Spine Refined: After Hours Misses & Interpretive Errors
Jae W. Song, MD

8:15 Degenerative Spine Disease
John Woo, MD

ALL IN A DAY'S WORK

8:45 Stroke Mimics: The Great Masquerade
Laurent Letourneau-Guillon, MD, MSc

9:15 Imaging the Post-Operative Spine
John Woo, MD

9:45 Questions and Answers

10:00 Break

10:20 Hydrocephalus and CSF Flow Imaging
John Woo, MD

11:00 Acute Bowl Pathology: The Itis's
Mishal Mendiratta-Lala, MD

TUMOR BOARD

11:30 Neoplasms of the Spine
Jae W. Song, MD

12:00 Malignant Lesions and Lesions in the Cirrhotic Liver
Mishal Mendiratta-Lala, MD

12:30 Lunch on your Own

EMERGENCIES AND URGENCIES

1:30 Acute Abdominal Traumarama!
Mishal Mendiratta-Lala, MD

2:00 Patterns of Acute Arterial Stroke
Jae W. Song, MD

2:30 Early Detection: Brain Infections
John Woo, MD

LIVER ROUNDS – WINE AND CHEESE

3:00 Unknown and Interesting cases*: Provided by attendees
& faculty presented over wine and cheese

** Each submitted case should be a maximum of five ppt slides:
slide #1-Include history & other pertinent information; slides
#2-4 - Up to (3) slides with images; slide #5 - include your
differential diagnosis, and if known, include the final diagnosis.
Upload the file as soon as possible and no later than 6/1/2022.
<https://www.hightail.com/u/RadiologyCME>*

3:45 Adjourn



SCHEDULE

WEDNESDAY, JULY 27

6:50 Continental Breakfast

RISE AND SHINE!

7:20 Opening Remarks

7:30 Below the Diaphragm: After Hours Misses and Interpretive Errors
Mishal Mendiratta-Lala, MD

ALL IN A DAY'S WORK

8:15 Benign Lesions of the Liver (CT, MR)
Mishal Mendiratta-Lala, MD

8:45 GRAND ROUNDS: Intracranial Vessel Wall Imaging
Jae W. Song, MD

9:15 Abdominal Interventional Pearls: Understanding the Role of the Radiologist
Mishal Mendiratta-Lala, MD

9:45 Questions and Answers

10:00 BREAK

10:20 Disease of the Pleura
Jana Taylor, MD, FRCPC

TUMOR BOARD

11:00 LungRADS & Fleischner: How to Manage Lung Nodules
Ella A. Kazerooni, MD

11:30 Thyroid Nodules and when to do CT/MRI in Thyroid Cancer
Laurie A. Loevner, MD

QUALITY, SAFETY AND INNOVATION

12:00 Incidental Findings in Radiology Practice-Creating a Safety Net for Patients
Ella A. Kazerooni, MD

12:30 Adjourn

THURSDAY, JULY 28

6:50 Continental Breakfast

RISE AND SHINE

7:20 Opening Remarks

7:30 A Chest Fest: After Hours Misses and Interpretive Errors
Ella A. Kazerooni, MD

8:15 MR Imaging of the Shoulder: What the Surgeon Needs to Know
Jenny Bencardino, MD

ALL IN A DAY'S WORK

8:45 Acute Aortic Syndromes
Ella A. Kazerooni, MD

9:15 MR Imaging of the Knee Menisci
Jenny Bencardino, MD

9:45 Questions and Answers

10:00 Break

10:20 The Wrist and Hand: Case-Based Review
Jenny Bencardino, MD

TUMOR BOARD

11:00 EBV Associated Neoplasia of the Head and Neck
Laurie A. Loevner, MD

11:30 Cardiovascular Tumors
Ella A. Kazerooni, MD

12:00 Lung Cancer Survivorship: Patient Follow-up After Curative Intent Therapy
Jana Taylor, MD, FRCPC

12:30 Lunch on your Own

EMERGENCIES AND URGENCIES

1:30 Imaging Hip Injuries
Jenny Bencardino, MD

2:00 Cardiac CT in the ED
Ella A. Kazerooni, MD

GRAND ROUNDS

2:30 Imaging of Long-term Sequelae of Covid-19 Pneumonia
Jana Taylor, MD, FRCPC

LIVER ROUNDS – WINE AND CHEESE

3:00 Unknown and Interesting cases*: Provided by attendees & faculty presented over wine and cheese

** Each submitted case should be a maximum of five ppt slides: slide #1-Include history & other pertinent information; slides #2-4 - Up to (3) slides with images; slide #5 - include your differential diagnosis, and if known, include the final diagnosis. Upload the file as soon as possible and no later than 6/1/2022. <https://www.hightail.com/u/RadiologyCME>*

3:45 Adjourn

FRIDAY, JULY 29

6:50 Continental Breakfast

RISE AND SHINE!

7:20 Opening Remarks

7:30 Blind Spots in the Neck: Misses and Interpretive Errors
Laurie A. Loevner, MD

8:15 Acute PE: An Update on Imaging
Ella A. Kazerooni, MD

ALL IN A DAY'S WORK

8:45 The Larynx: Patterns of Tumor Spread
Laurie A. Loevner, MD

9:15 PET/CT in the head and Neck: Pearls and Pitfalls
Laurie A. Loevner, MD

9:45 Questions and Answers

10:00 BREAK

10:20 The Anterior Skull base Sinonasal Neoplasia with an Emphasis on Resectability
Laurie A. Loevner, MD

10:50 MR Neurography of the Lumbosacral Plexus
Jenny Bencardino, MD

11:30 Brachial Plexus: An Easy Approach to the Nexus
Alvand Hassankhani, MD

12:00 One Bite at a Time: TMJ MR Imaging (MR)
Laurie A. Loevner, MD

12:30 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 27.5 *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 27.5 *AMA PRA Category 1 Credit(s)™* for completing this activity.

SELF-ASSESSMENT MODULES (SAMS)

Participants in this activity will have an opportunity to earn 19 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: 4.5 | Day 2: 7.0 | Day 3: 4.5 | Day 4: 7.0 | Day 5: 4.5

The total hours covered in each modality include:

CT: 21.75 | MR: 21.25 | XR: 2.75 | US: 1.0 | NM: 1.0 | PET/CT 1.25

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 PennBox. Participants are encouraged to download the PDFs to their phone, tablet, or laptop prior to arrival.

Meeting App

We provide all other course materials 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. 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.



ACCOMMODATIONS

HOTEL OMNI MONT-ROYAL

<https://www.omnihotels.com/hotels/montreal-mont-royal>

1050 Sherbrooke St

W Montreal, Quebec H3A 2R6, Canada

Reservations: 1-800-578-1200

Hotel Direct: #1-514-284-1110

Email: mrreservations@omnihotels.com

CUT-OFF DATE: JUNE 20, 2022

CHECK IN: 3:00 PM | CHECK OUT: 12:00 NOON

The Omni Mont-Royal is located in the heart of Montreal's Golden Square Mile, nestled at the foot of Mont-Royal mountain and steps away from McGill University, the financial district, shopping, local restaurants, and numerous restaurants. This CAA/AAA Four-Diamond hotel is renowned for personalized service and large rooms with panoramic views of the mountain or city.

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

ROOM BLOCK & DISCOUNTED RATES

We have negotiated a group rate for a limited block of Deluxe Rooms. 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 Rooms CAD 234.00/night

The guest room rate listed above is per room, per night, and subject to state, local & federal taxes. There is a 3.5% Municipal Lodging Tax, 5% Federal Tax (GST), and 9.975% Provincial Tax (PST). Taxes are subject to change without notice. There are no resort fees. Please note there is a CAD 20.00/adult plus taxes additional fee for triple and quadruple occupancy. Bellman and housekeeping gratuities will be paid at the discretion of each attendee.

The hotel will honor our group rates three days before and after our meeting dates, subject to room availability. This rate is available until 06/30/2022 unless our group block fills sooner. Reservations between Saturday, July 23, and Friday, July 29, may be made ONLINE or by calling 1-800-578-1200. Arrivals and departures outside of these dates must be made with the hotel directly.

ADDITIONAL NEGOTIATED GROUP PERKS

- Guestroom internet access fees waived
- Complimentary use of the fitness center, including use of the Jacuzzi and showers in the fitness center
- \$5 discount per vehicle, per day for valet parking

HOTEL DEPOSIT & CANCELLATION POLICY

All room reservations must be guaranteed for the first night's room and tax only. Attendees will be required to provide a first night non-refundable 72 hours before arrival. Cancellations made before 72 hours will not be penalized. Individual attendees will be charged for one night's room and tax if they cancel within 72 hours of arrival.

HEALTH & SAFETY

Omni Hotels and Resorts are committed to offering a safe and healthy environment to all guests and associates. Omni's Safe & Clean program actively monitors and evolves its solutions to ensure they adhere to local government requirements. Some of the Safe & Clean touchpoints include:

- Increased frequency of cleaning, disinfecting, and sanitizing of high-touch surfaces and areas
- New guest arrival experiences, including contactless check-in and check-out processes, as well as contactless payment options

To view all details of the Safe & Clean program, [click here](#).

Penn Radiology CME closely monitors COVID-19 prevalence and may adjust live course attendance limits as needed per CDC, public health, and other relevant guidelines. Attendees are asked to comply with all current live course and conference guidelines below:

- Attendees are required to wear masks in the meeting space
- Attendees should refrain from consuming food and beverage in the meeting space
- Attendees should physically distance as much as possible
- Hand sanitizing stations will be available in the meeting space, as well as at the registration desk
- Attendees are strongly encouraged to receive the COVID-19 vaccination, if able, before participating in this meeting. However, we will not ask registrants to disclose their vaccination status.

TRAVEL INFORMATION

Montreal is the largest city in Canada's Quebec province and the second-largest French-speaking city in the world. The city was designated as a UNESCO City of Design by Global Alliance for Cultural Diversity in 2006 and has come to be known as a truly international hub. The city hosts over 18,000 international students every year and is ranked the number 1 destination for tertiary studies. Beyond its academic credentials, Montreal also is known for several things, including its Underground City (featuring 32 km of connected tunnels with shopping malls, metro stations, restaurants, and museums), cosmopolitan restaurant scene, and vibrant festival scene. Montreal is also home to the world-renowned Cirque de Soleil.

The vaccination passport allows those adequately protected or recognized vaccine contraindications to gain admittance to specific venues or engage in certain activities. A vaccination passport is required for everyone age 13 and older. Places and activities requiring the vaccination passport include:

- Outdoor events and festivals
- Bars and Restaurants
- Performance venues, cinemas, sports venues
- Arcades, theme parks, amusement parks, recreation centers, and water parks

[Click here](#) to read more about the vaccination passport.

Between Airport & Hotel The closest airport to our location is Montreal-Pierre Elliot Trudeau International Airport. The hotel is about 15 miles from the airport.

TRANSFER OPTIONS

- Taxi Service — approximately CAD 40, flat fee, one way
- Limousine Service — approximately CAD 88 + taxes, one way
- Public Transportation — Express bus 747 Pierre Elliot Trudeau Airport/downtown





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 27, 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

Visit PennMedicine.org/RadiologyCME

(Visa, Mastercard, Amex or Discover accepted.)

CONFERENCE FEES (Fees listed in USD)

Physician (Practicing in the continental US). . . . \$1085.00

International Physician \$922.50

Resident/Fellow/PA-C. \$750*

*Resident and Fellows must submit a letter of verification to cme@rad.upenn.edu

Daily Fee (applies to all registration types) \$275

ADDITIONAL DISCOUNTS

Penn Radiology Alumni, VA/DOD/Active Military and Retired Physicians may use **PENN10** (case sensitive) when prompted at checkout for an additional 10% discount of their registration fee.

PENN RADIOLOGY CME

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

2023 - COMING SOON TO THE WEBSITE

► 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)