General Information

Statement of Need/Course Description
There are many recent technological advances in imaging techniques and protocols which can be applied to current clinical practice. Maintenance of certification requires continued review of essential imaging techniques in all areas of radiology, including Thoracic, Breast, Interventional, Neuroradiology and Musculoskeletal. This course is designed to demonstrate a practical approach to image acquisition and interpretation in various clinical settings using current up-to-date imaging techniques, while decreasing patient radiation dose. Lecture topics to include: interventional radiology for trauma, multimodality imaging of the shoulder, imaging the mediastinum, Neuro MR for dementia and epilepsy and artificial intelligence as it applies to applications in breast imaging. In addition to didactic lectures, several case-based sessions will also be included to cover: Breast, IR, Neuro, MSK and Chest.

Learning Objectives
After participating in this activity, clinicians should be able to:
- Describe mosaic attenuation as a consequence of primary or secondary disease of the vessels, airways, or lung interstitium, and incorporate into interpretation algorithms.
- Explain the strengths and weaknesses of two non-invasive modalities for vascular imaging: contrast and non-contrast-enhanced magnetic resonance angiography (MRA) and computed tomography angiography (CTA).
- Describe appropriate imaging protocols and a systematic imaging approach using MR to image soft tissue tumors in order to narrow the differential diagnosis.
- Describe the clinical and imaging presentations of many common neurodegenerative syndromes using MRI or FDG PET imaging.

Target Audience
This course is designed for practicing clinical radiologists in academics or private practice.

Accreditation Statement
The NYU School of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

Credit Designation Statement
The NYU School of Medicine designates this live activity for a maximum of 22.5 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Disclosure Statement
The NYU School of Medicine adheres to ACCME accreditation requirements and policies, including the Standards for Commercial Support regarding industry support of continuing medical education. In order to resolve any identified conflicts of interest, disclosure information is provided during the planning process to ensure resolution of any identified conflicts. Disclosure of faculty and commercial relationships, as well as the discussion of unlabeled or unapproved use of any drug, device or procedure by the faculty, will be fully noted at the meeting.

Special Needs
NYU School of Medicine, in compliance with the legal requirements of the Americans with Disabilities Act, requests any participant of this CME course who is in need of accommodation to submit written requests to our office at least one month prior to the course date.
### Monday, March 11th

**MORNING SESSION (MSK & THORACIC)**

- **6:45 am** Registration & Breakfast
- **7:10 am** Welcome
  - Georgeann McGuinness, MD
- **7:15 am** MSK MRI SAM Part 1
  - MR of the Elbow
  - Gina A. Ciavarra, MD
- **8:00 am** Non Tuberculous Mycobacteria: Imaging Findings and Clinical Correlations
  - Georgeann McGuinness, MD
- **8:45 am** MSK MRI SAM Part 2
  - MR of the Ankle
  - Gina A. Ciavarra, MD
- **9:30 am** Questions & Discussion
- **9:45 am** Adjourn

**AFTERNOON SESSION (BREAST & NEURO)**

- **4:00 pm** Refreshments & Cases of the Day—Breast
- **4:15 pm** Artificial Intelligence: Applications to Breast Imaging
  - Hildegard K. Toth, MD
- **5:00 pm** Functional Neurosurgery—Growing Clinical Practice: Part 1
  - Timothy Shepherd, MD, PhD
- **5:45 pm** Interesting Cases—Breast
  - Hildegard K. Toth, MD
- **6:15 pm** Questions & Discussion
- **6:30 pm** Adjourn

### Tuesday, March 12th

**MORNING SESSION (BREAST & MSK)**

- **6:45 am** Breakfast
- **7:15 am** Breast Imaging SAM 2019 Part 1
  - Up-To-Date Assessment: Indications for Breast MRI
  - Hildegard K. Toth, MD
- **8:00 am** MR Soft Tissue Tumors
  - Gina A. Ciavarra, MD
- **8:45 am** Breast Imaging SAM 2019 Part 2
  - Abridged MRI Protocols: Utilization in Breast Cancer Screening
  - Hildegard K. Toth, MD
- **9:30 am** Questions & Discussion
- **9:45 am** Adjourn

**AFTERNOON SESSION (INTERVENTIONAL & THORACIC)**

- **4:00 pm** Refreshments & Cases of the Day—Interventional
- **4:15 pm** Interventional Radiology for Trauma
  - Eric T. Aaltonen, MD, MPH
- **5:00 pm** Unusual Pneumonias: Atypical Symptoms, Scenarios, and Organisms
  - Georgeann McGuinness, MD
- **5:45 pm** Interesting Cases from the IR Suite
  - Eric T. Aaltonen, MD, MPH
- **6:15 pm** Questions & Discussion
- **6:30 pm** Adjourn

### Wednesday, March 13th

**MORNING SESSION (THORACIC & MSK)**

- **6:45 am** Registration & Breakfast
- **7:15 am** Thoracic SAM 2019—Part 1
  - Seeing the Picture in a Mosaic
  - Georgeann McGuinness, MD
- **8:00 am** Multimodality, Case-Based Imaging of the Shoulder
  - Gina A. Ciavarra, MD
- **8:45 am** Thoracic SAM 2019—Part 2
  - Fibrosing and Non Fibrosing Interstitial Lung Disease
  - Georgeann McGuinness, MD
- **9:30 am** Questions & Discussion
- **9:45 am** Adjourn

**AFTERNOON SESSION (NEURO & INTERVENTIONAL)**

- **4:00 pm** Refreshments & Cases of the Day—Neuro
- **4:15 pm** PET in Neuroradiology—Growing Clinical Practice: Part 2
  - Timothy Shepherd, MD, PhD
- **5:00 pm** Non-Invasive Vascular Imaging: CTA and MRA
  - Eric T. Aaltonen, MD, MPH
- **5:45 pm** Interesting Cases—Neuro
  - Timothy Shepherd, MD, PhD
- **6:15 pm** Questions & Discussion
- **6:30 pm** Adjourn

### Thursday, March 14th

**MORNING SESSION (NEURO & BREAST)**

- **6:45 am** Registration & Breakfast
- **7:15 am** Neuro MRI SAM Part 1
  - Recognizing Dementia Using Routine MRI
  - Timothy Shepherd, MD, PhD
- **8:00 am** Current Approaches to High Risk Lesions
  - Hildegard K. Toth, MD
- **8:45 am** Neuro MRI SAM Part 2
  - Expert’s Hacks to Reading Epilepsy MRI Well
  - Timothy Shepherd, MD, PhD
- **9:30 am** Questions & Discussion
- **9:45 am** Adjourn

**AFTERNOON SESSION (MSK & INTERVENTIONAL)**

- **4:00 pm** Refreshments & Cases of the Day—MSK
- **4:15 pm** MSK Ultrasound
  - Gina A. Ciavarra, MD
- **5:00 pm** Interventional SAM Part 1
  - Portal Hypertension and Interventional Radiology
  - Eric T. Aaltonen, MD, MPH
- **5:45 pm** Interesting MSK Cases
  - Gina A. Ciavarra, MD
- **6:15 pm** Questions & Discussion
- **6:30 pm** Adjourn

### Friday, March 15th

**MORNING SESSION (THORACIC & INTERVENTIONAL)**

- **6:45 am** Registration & Breakfast
- **7:15 am** The Mediastinum: Anatomy, Pathology, & Imaging Evaluation
  - Georgeann McGuinness, MD
- **8:00 am** Current Approaches to High Risk Lesions
  - Hildegard K. Toth, MD
- **8:45 am** Neuro MRI SAM Part 2
  - Expert’s Hacks to Reading Epilepsy MRI Well
  - Timothy Shepherd, MD, PhD
- **9:30 am** Questions & Discussion
- **9:45 am** Adjourn

**AFTERNOON SESSION (INTERVENTIONAL & THORACIC)**

- **4:00 pm** Refreshments & Cases of the Day—Interventional
- **4:15 pm** MSK Ultrasound
  - Gina A. Ciavarra, MD
- **5:00 pm** Interventional SAM Part 1
  - Portal Hypertension and Interventional Radiology
  - Eric T. Aaltonen, MD, MPH
- **5:45 pm** Interesting MSK Cases
  - Gina A. Ciavarra, MD
- **6:15 pm** Questions & Discussion
- **6:30 pm** Adjourn
Snowmass, CO

Breathtaking, exhilarating and huge are just a few ways to describe the crown jewel of Colorado — Snowmass. Often called the world's best ski area, the Snowmass Mountain offers the most ski trails than any other mountain in the US. With 4,406 of vertical rise, 3,332 acres of varied terrain, and only two people per skiable acre, Snowmass is unmatched as a mountain resort, and regularly ranks among the best North American resorts — frequently in the #1 position. Skiers can enjoy massive mountain terrain at Snowmass, and ski the other three Aspen/Snowmass mountains on the same lift ticket (Aspen, Aspen Highlands, Buttermilk — all located within 20 minutes of Snowmass and accessible via free transportation). Off the slopes, enjoy the top-rated apres ski and nightlife of Aspen/Snowmass — event options range from snowcat dinner rides to slope-side bowling, as well as shopping, concerts, fine dining and more!

Viceroy Snowmass

At Viceroy Snowmass, our Colorado luxury hotel & resort, mountain adventure glows with modern spirit at the base of one of the world’s finest ski mountains. Located only seven miles from downtown Aspen in the heart of Snowmass’ new Base Village, the Viceroy Snowmass offers ski-in/ski-out luxury resort lodging, ski valet, imaginative dining and lounging, an Ute Indian-inspired wellness spa and a year-round pool terrace and cafe — an ideal setting for a Snowmass mountain vacation. Viceroy Snowmass reveals such unexpected Rocky Mountain details as reclaimed timber, textural stone and embossed metals, all while embracing sustainably minded, next-generation building standards that earned Viceroy for inclusion among the nation’s rare LEED Gold certified resorts. From skiing, snowboarding, ice skating and sleigh rides, the Rocky Mountains’ limitless seasonal pleasures and a world of unexpected Viceroy amenities await at the newest luxury mountain resort in Aspen/Snowmass.

Hotel Deposit / Cancellation Policy

Hotel will take from each guest a deposit equal to two nights lodging at the time of booking, which will be refundable until 45 days prior to arrival. Balance will be charged 45 days prior to arrival. No refunds for cancellations within 45 days of arrival.

NYU Radiology Hotel Block

Studio: $399
The sizeable studio residences offer approximately 375 square feet of space, and feature gourmet, midnight kitchens appointed with premium appliances as well as designer-selected tableware, glassware, flatware and cooking tools.

One Bedroom: $519
The substantial one-bedroom residences offer approximately 550 square feet, and feature gourmet, midnight kitchens appointed with premium appliances as well as designer-selected tableware, glassware, flatware and cooking tools. The living room sofa pulls out into a full-size sleeper sofa.

Room Rates quoted are based on single/double occupancy and subject to applicable occupancy sales tax of 12.8%. Porterage/Housekeeping—at individual guest discretion

A resort fee of $30.00 will be added daily and will include:
- Individual Round trip airport transfers to/from Hotel to Aspen Airport
- Daily newspaper delivery
- Wi-fi access in guestrooms and public spaces
- Complimentary Fitness Studio access
- Coffee and espresso available in each residence
- Seasonal refreshment service in Lobby each afternoon Arrival amenity
- Local Snowmass Village ground transfers based on availability

Only NYU guests will enjoy these substantially discounted room rooms during peak season.

Cut-off Date: February 8, 2019. Please note—rooms may sell out prior to this date, so book early!

Hotel Reservations at the Viceroy

To make hotel reservations, please visit the Viceroy website below: http://www.viceroysnowmass.com and enter Group Code: NYU2019

Guests may also contact reservations directly: 877-235-7577 and mention NYU Radiology 2019
Traveling to Snowmass
Snowmass is one of the most accessible Rocky Mountain resorts, with hundreds of nonstop and connecting flights weekly into Aspen/Snowmass (ASE), Eagle Vail (EGE) and Denver (DEN) airports.

- Aspen (ASE) — 15 minutes from the Viceroy
  Complimentary airport transfers from Aspen included in the resort fee at the Viceroy
- Eagle Vail (EGE) — 90 minutes shuttle ride
- Denver (DEN) — 4 hour shuttle ride

Airport Shuttle
NYU has secured discounted rates for airport shuttle/transportation with Epic Mountain Express
Please visit our website for more information and pricing: http://www.med.nyu.edu/courses/cme/ski19

Discounted Ski Rentals
Discounted rentals for NYU guests can be obtained from Four Mountain Sports, located right in the Viceroy.
To reserve your rental equipment please call (877) 282-7736 or visit www.aspensnowmass.com/rentals and use discount code: NYURAD2
Please be sure to reserve by first clicking on “group rentals” so that you can correctly apply the discount code. When reserved in advance you will receive a 35% discount. Walk-ins will receive a 30% discount.

Not Just a Rental Shop!
- FREE ski and snowboard overnight storage. Simply hand your rental equipment over to Skier Services and they will store it overnight for free (normally $10).
- FREE ski and snowboard overnight transfer to any of our four mountains. You can hand in your equipment at the corral at the base of each mountain and they will transfer your rental equipment for free (normally $10)

2018/2019 Mountain Advantage Savings
Please visit the NYU website for information on discount group lessons, dining, four mountain sports, etc. http://www.med.nyu.edu/courses/cme/ski19

Discounted Lift Tickets
(30–45% off the window rates for NYU Group)

VOUCHERS—New this year!
With the new Aspen Snowmass Group Voucher program, all NYU guests will receive vouchers onsite in order to purchase discounted lift tickets in resort. NYU guests do not have to decide in advance how many days you plan to ski/snowboard during your stay. Instead, you will simply inform NYU how many people in your group intend to ski, your arrival date and whether they are Adult, Child or Senior. More details and voucher request forms can be found on the NYU website.
The NYU Vouchers will be distributed at the NYU hospitality desk at the Viceroy Snowmass. Vouchers are redeemable for discounted lift tickets at any lift ticket office (including right inside the Viceroy hotel) for your preferred number of days. Lift tickets are good for the Power of Four (Snowmass, Aspen, Aspen Highlands and Buttermilk!)

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Ski & Snowboard School
The Ski & Snowboard Schools of Aspen Snowmass are a collection of talented and inspired Pros who are committed to helping you build confidence, understand the terrain, and guiding you to the next place in your skiing or riding. We have programs to suit every age and ability, and every lesson is 100% satisfaction guaranteed! For more information, please visit https://www.aspensnowmass.com/plan-your-stay/lessons
Registration Form

Please Print Clearly

Name

Address

City   State   Zip

Day Phone

E-mail (required for course confirmation)

Degree   Specialty

Subspecialty

Dietary Restrictions
(Please indicate any dietary restrictions on the registration form when you register.)

Registration Fee Options

(Please check appropriate boxes below)
17th Annual NYU Radiology Alpine Imaging Symposium in Snowmass
March 11 – 15, 2019

☐ $1,050 Registration fee for physicians
☐ $850 Discounted fee*

* Discounted fees apply to NYU School of Medicine alumni, M.D.'s employed by the Dept. of Veterans Affairs, retirees, full-time active military personnel, technologists, current residents/fellows, Canadian and other non-US physicians.

Methods of Payment

☐ Check in U.S. Dollars made payable to NYU Department of Radiology
☐ Credit Card Payment (see below)

Payment by Credit Card

Bill to:  ☐ Visa  ☐ Mastercard  ☐ American Express

Card Member’s Name (print carefully)

Card #

Exp Date: Month / Year  __________ / __________

Amount to be Charged: $ __________________________

Signature (required to process)

Fax Form to: (212) 263-3959

If Sending a Check, Please Mail to:

Marisa Costello
Department of Radiology
462 First Avenue
OBH, C&D; Floor 1, Room 4
New York, NY 10016

Confirmation of Course Acceptance:
A confirmation receipt will be sent to you by e-mail if you provide your email address.

Refund Policy:
If you need to cancel your enrollment, a $75 service fee will be assessed for your tuition payment if written notice is received at least 30 days in advance and a $150 service fee for cancellations made within 30 days. No refunds are possible if written notification is not sent.

Course Cancellation Policy:
In the unusual circumstance that this course is cancelled, two weeks notice will be provided and full tuition refunded. The NYU School of Medicine is not responsible for any airfare, hotel or other costs incurred.

Educational Needs
If there is a specific question or topic relating to this course, please submit it on the registration form or on the website when registering online.

In Case of Questions, Contact:

Michelle R. Koplik, Director of CME
(212) 263-3936 or michelle.koplik@nyulangone.org

Marisa Costello, Program Manager
(212) 263-0724 or marisa.costello@nyulangone.org
We hope you’ll plan on joining us at one of these CME courses.

**WWW.RADCME.MED.NYU.EDU**

**2018**

DEC 17–21  NYU’s 37th Annual Head to Toe Imaging Conference
New York Hilton Midtown, New York, NY

**2019**

JAN 21–25  NYU’s Clinical Imaging Symposium in Costa Rica
Four Seasons Costa Rica, Guanacaste, Costa Rica

MAY 20–22  NYU’s Advanced Imaging of the Musculoskeletal
System with an Emphasis on Sports Injuries 2019
NYU Langone Medical Center, New York, NY

MAY 23  Read with the Experts:
Sports Medicine Imaging Workshop 2019
NYU Langone Medical Center, New York, NY

MAY 23  Hands-On MSK US Workshop 2019
Bellevue Hospital NYSIM Center, New York, NY

JUN 24–28  NYU’s Summer Radiology Symposium on the Cape
The Wequassett Resort, Cape Cod, MA

JUL 22–26  NYU’s Clinical Imaging Symposium in Bermuda
Fairmont Southampton, Southampton, Bermuda

OCT 21–25  (tentative)  NYU’s Fall Radiology Symposium in Charleston
The Belmond Charleston Place, Charleston, SC

**March 11 – 15, 2019**

**17th Annual NYU Radiology Alpine Imaging Symposium in Snowmass**
Provided by the NYU School of Medicine