NYU's 2019

ADVANCED IMAGING OF THE MUSCULOSKELETAL SYSTEM: UP YOUR GAME

May 20–22, 2019

Optional Workshops: Thursday, May 23, 2019
• Read with the Experts Workshop 2019
• Hands-on MSK Ultrasound Workshop 2019

Course Description
This conference will consist of a comprehensive set of didactic lectures carrying many of the major topics in musculoskeletal imaging. Areas to be covered will include common sports specific injuries, nerve imaging, bone tumors, imaging of arthritis and cartilage, and pediatric imaging. New to the course this year will be sessions covering spine imaging and musculoskeletal infection.

Learning Objectives
After participating in this activity, clinicians should be able to:
• Determine how best to modify imaging techniques and protocols for all areas of Musculoskeletal MRI including: hip, knee, shoulder and foot, for improved therapeutic decision making.
• Develop a working differential for tumors of both the bone and soft tissues and recognize when additional imaging or tissue sampling is warranted.
• Evaluate the value of imaging in guiding diagnosis and treatment of such inflammatory arthritides as the rheumatoid and the spondyloarthropathies as well as common musculoskeletal infections, including, but not limited to the septic hip and discitis.
• Describe techniques which can be utilized to improve MR imaging in the presence of hardware as well as the major areas of pathology which can be diagnosed in patients status post hip arthroplasty.

Read with the Experts Workshop 2019
Enrollment limited to 50 attendees
This workshop will allow the participant to read cases alongside some of the best musculoskeletal radiologists in the world. We will present challenging cases and will guide registrants through this interactive session. Registrants will review approximately 50 cases under the supervision of these expert speakers. This intensive session will focus on developing a systematic approach to the interpretation of normal anatomy and pathology of various joints, with an emphasis on common manifestations and patterns of sports related injury. The participants will have an opportunity to see how experienced musculoskeletal radiologists, all leaders in the field, approach the cases. Please note, personal laptops are recommended (but not required) for this workshop if the participant is interested in viewing the imaging studies in a more independent fashion.

Hands-on MSK Ultrasound Workshop 2019
Enrollment limited to 25 attendees
This hands-on workshop will include 4 rotating workstations divided by anatomic region (shoulder, elbow, hip, foot/ankle) and a 5th station dedicated to demonstration of interventional techniques. The instructors in each area will give a brief demonstration of the proper technique for evaluation of their assigned anatomy, followed by the opportunity for the participants to practice their newly acquired skills upon a volunteer or model. Participants at the interventional station will have the opportunity to practice needle guidance techniques utilizing ultrasound guidance.

Guest Speakers to Include: Laura W. Bancroft, MD, FACR; Christine B. Chung, MD; Mark D. Murphey, MD; Mini N. Pathria, MD; Donald L. Resnick, MD; David A. Rubin, MD; Michael J. Tuite, MD; Lawrence M. White, MD
NYU Course Directors

Michael P. Recht, MD
Louis Marx Professor and Chairman
Department of Radiology

Leon D. Rybak, MD
Associate Professor of Radiology
Vice Chair of Operations
Department of Radiology

Guest Faculty

Laura W. Bancroft, MD, FACR
Professor of Radiology
Section Chief, Musculoskeletal Radiology
Chair/Officer, Radiology Education and Research
Program Director, Diagnostic Radiology Residency
Florida Hospital in Orlando
Orlando, FL

Christine B. Chung, MD
Professor-In-Residence of Radiology
Director of the UCSD
Musculoskeletal Imaging Research Group
UC San Diego School of Medicine
San Diego, CA

Mark D. Murphy, MD, FACR
Physician-in-Chief
American Institute for Radiologic Pathology
American College of Radiology
Silver Spring, MD

Mini N. Pathria, MD
Professor of Clinical Radiology
Section Chief
UCSD Medical Center, San Diego
San Diego, CA

Donald L. Resnick, MD
Professor of Radiology
Musculoskeletal Radiology
UCSD Medical Center, San Diego
San Diego, CA

David A. Rubin, MD
Professor of Radiology
Washington University School of Medicine
St. Louis, MO

Michael J. Tuite, MD
Professor of Radiology
University of Wisconsin
School of Medicine and Public Health
Madison, WI

Lawrence M. White, MD
Head, Division of Musculoskeletal Imaging
Professor of Medical Imaging and Orthopedics
University of Toronto
Staff Radiologist, Musculoskeletal Imaging
Mt. Sinai Hospital
Toronto, Canada

NYU/HJD Faculty

Ronald S. Adler, PhD, MD
Professor of Radiology

Erin Alaia, MD
Assistant Professor of Radiology

Hamza Alizai, MD
Clinical Assistant Professor of Radiology

Jenny T. Bencardino, MD
Professor of Radiology and Orthopedic Surgery

Christopher Burke, MD
Assistant Professor of Radiology

Gregory I. Chang, MD
Associate Professor of Radiology
Chief, Musculoskeletal Imaging

Gina A. Ciavarra, MD
Clinical Associate Professor of Radiology

Christopher J. Gottsegen, MD
Clinical Associate Professor of Radiology

Soterios Gyftopoulos, MD, MSc
Associate Professor of Radiology & Orthopedic Surgery

Iman Khodarahmi, MD
Clinical Assistant Professor of Radiology

Renata La Rocca Vieira, MD
Clinical Associate Professor of Radiology

Dana Lin, MD
Clinical Assistant Professor of Radiology

Michael B. Mechlina, MD
Clinical Associate Professor of Radiology

Catherine N. Petchprapa, MD
Associate Professor of Radiology

Zehava Sadka Rosenberg, MD
Professor of Radiology and Orthopedic Surgery

Mohammad M. Samim, MD
Assistant Professor of Radiology

Eric J. Strauss, MD
Associate Professor of Orthopedic Surgery

William R. Walter, MD
Clinical Assistant Professor of Radiology

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 27.00 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

• NYU’s 2019 Advanced Imaging of the Musculoskeletal System: Up Your Game
  May 20–22, 2019
  20.50 Credits

• Read with the Experts Workshop 2019
  May 23, 2019
  6.50 Credits

• Hands-on MSK Ultrasound Workshop 2019
  May 23, 2019
  6.25 Credits

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.

Target Audience

The target audience for this program will be radiologists, both in academic and private practice, seeking to increase their skills in musculoskeletal radiology, as well as orthopedists and physical medicine and rehabilitation practitioners interested in learning how imaging can best be incorporated into their practice. This course is also appropriate for trainees in these areas.

Statement of Need

NYU’s 2019 Advanced Imaging of the Musculoskeletal System: Up Your Game offers a comprehensive and intensive 3-day program in musculoskeletal radiology. There has been tremendous growth in the field of radiology and in the area of musculoskeletal imaging in particular, making it mandatory for radiologists, both in academic and private practice settings, to continually update their skills and complement their knowledge base. Maintenance of certification also requires radiologists to stay current with new advances in the field. With the growth of radiology and the increasing importance it plays both in the diagnosis and treatment of diseases in the musculoskeletal system, it has also become imperative for practicing orthopedists and practitioners of physical medicine and rehabilitation to have a basic understanding of imaging and how it can best be used in service of the patient.
<table>
<thead>
<tr>
<th>Time</th>
<th>Monday, May 20, 2019</th>
<th>Tuesday, May 21, 2019</th>
<th>Wednesday, May 22, 2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:15 am</td>
<td>Registration &amp; Breakfast</td>
<td>Breakfast</td>
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<tr>
<td>7:50 am</td>
<td>Welcome</td>
<td>Abdominal Wall Muscle Injuries Outside the Groin</td>
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<tr>
<td></td>
<td>Leon D. Rybak, MD and Michael P. Recht, MD</td>
<td>Lawrence M. White, MD</td>
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<tr>
<td>8:00 am</td>
<td><strong>LOWER EXTREMITY 1</strong></td>
<td>8:15 am Groin Injuries in Athletes</td>
<td>8:00 am Commonly Missed Fractures of the Upper Extremity</td>
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<tr>
<td>8:20 am</td>
<td>Patterns of Knee Injury</td>
<td>Enn Alaa, MD</td>
<td>Laura W. Bancroft, MD</td>
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<tr>
<td>8:40 am</td>
<td>Anterior Knee Pain</td>
<td>Tendons of the Pelvis and Hip: Anatomy and Pathology</td>
<td>8:20 am MR of the Rotator Cuff: Pearls and Pitfalls</td>
</tr>
<tr>
<td>9:00 am</td>
<td>MRI of the Knee: How Important are the Corners?</td>
<td>Mini N. Pathria, MD</td>
<td>Soterios Gyftopoulos, MD, MSc</td>
</tr>
<tr>
<td>9:20 am</td>
<td>Menisci and Cruciates: Is There Anything New I Need to Know?</td>
<td>Lawrence M. White, MD</td>
<td>8:45 am Imaging the Shoulder Labrum: Above the Equator</td>
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<tr>
<td>10:10 am</td>
<td>Challenging Cases</td>
<td>Challenging Cases</td>
<td>9:10 am Glenohumeral Instability: MR-Arthroscopy Correlation</td>
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<tr>
<td>10:30 am</td>
<td>Q&amp;A with Coffee</td>
<td>Questions</td>
<td>Enn Alaa, MD</td>
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<tr>
<td>11:00 am</td>
<td>Lunch</td>
<td>Bone Tumors: When Should I Worry?</td>
<td>9:30 am Post-Operative Shoulder: How to Image and What Do I Need to Know</td>
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<tr>
<td>11:50 am</td>
<td>Stress Injuries</td>
<td>Soft Tissue Tumors: Pitfalls and Mimics</td>
<td>Lawrence M. White, MD</td>
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<td>12:00 pm</td>
<td>Lunch</td>
<td>Post-Op Tumor Cases: What Should I Report?</td>
<td>9:50 am The Rotator Cuff Interval- Anatomy and Pathology</td>
</tr>
<tr>
<td>1:30 pm</td>
<td>Arthritis: A Target Area Approach</td>
<td>Mark D. Murphy, MD</td>
<td>Christine B. Chung, MD</td>
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<tr>
<td>1:50 pm</td>
<td>Advanced Imaging of the Hands &amp; Wrists in Rheumatoid Arthritis</td>
<td>Laura W. Bancroft, MD</td>
<td>10:10 am Challenging Cases</td>
</tr>
<tr>
<td>2:10 pm</td>
<td>The ABCs of Spondoarthropathies</td>
<td>Imaging of Chest Wall Injuries</td>
<td>Hamza Alizia, MD</td>
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<tr>
<td>2:30 pm</td>
<td>Osteomyelitis and Septic Arthritis: Mechanisms and Situations</td>
<td>David A. Rubin, MD</td>
<td>10:30 am Q&amp;A with Coffee</td>
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<tr>
<td>3:00 pm</td>
<td>Myositis and Necrotizing Fasciitis: What do I Need to Know?</td>
<td>David A. Rubin, MD</td>
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<tr>
<td>3:15 pm</td>
<td>Q&amp;A</td>
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<tr>
<td>3:30 pm</td>
<td>Coffee Break</td>
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<tr>
<td>4:00 pm</td>
<td><strong>LOWER EXTREMITY 2</strong></td>
<td>Challenging Cases</td>
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<tr>
<td>4:20 pm</td>
<td>Ankle Instability: The Hights and Lows</td>
<td>Renata La Rocca Vieira, MD</td>
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<tr>
<td>4:40 pm</td>
<td>Ligaments of the Hind and Midfoot</td>
<td>Questions</td>
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<tr>
<td>5:00 pm</td>
<td>Metatarsalgia</td>
<td>Adjourn</td>
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<tr>
<td></td>
<td>Christine B. Chung, MD</td>
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<tr>
<td>6:30 pm</td>
<td>Lunch</td>
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**NYU's 2019 Advanced Imaging of the Musculoskeletal System: Up Your Game**

NYU Langone Medical Center, Farkas Auditorium | 550 First Avenue (between 30th and 33rd Streets)

[http://www.med.nyu.edu/courses/cme/sports19](http://www.med.nyu.edu/courses/cme/sports19)
Hotel Information
A block of rooms has been reserved at the Affinia Shelburne.

Affinia Shelburne
https://www.affinia.com/shelburne • 303 Lexington Avenue
(12 minute walk to NYU)
The hotel's 325 guest rooms and suites feature flat-screen TVs, iHome docking stations, sleek kitchenettes or minibars and bright, remodeled bathrooms. Terrace suites offer beautiful views of the Empire State Building and Chrysler Building—and along with their high-quality Affinia bed, all guests receive a Pillow Menu for creating a personalized stay. As a kid-friendly and pet-friendly hotel, feel free to bring your whole family!
The seasonal rooftop bar RARE View, voted one of New York City's best rooftops, is open from April-September. Take the ride up and experience spectacular views of Manhattan's skyline. You can gaze at some of New York City's best landmarks, such as the Empire State Building, Chrysler Building and Freedom Tower.

RATES
$308/night — Studio Deluxe Suite (1 or 2 Queens)
$328/night — One Bedroom Suite

Room Rates Include:
• Complimentary guest-room Internet Access
• Complimentary 'Wine Hour’ 5:00 pm to 6:00 pm every day, served in the lobby living-room

RESERVATIONS
• Online: Please visit www.radcme.med.nyu.edu
• Call 1-866-233-4642 and mention NYU MSK Radiology 2019
• Email: reservations@affinia.com
  Indicate NYU MSK Radiology 2019 to guarantee the special group rate
• Cut-off date for accepting reservations at this rate is Monday, April 22, 2019
  (Book early as rooms may sell out prior to this date)

Meeting Location
NYU's 2019 Advanced Imaging of the Musculoskeletal System: Up Your Game
NYU Langone Medical Center ~ (Farkas Auditorium)
550 First Avenue (between 30th and 33rd Streets)
http://www.med.nyu.edu/courses/cme/us19

Read With The Experts Workshop 2019
Thursday, May 23, 2019
NYU Langone Medical Center, Alumni Hall B
550 First Avenue (between 30th and 33rd Streets)
http://www.med.nyu.edu/courses/cme/experts19

Hands-on MSK Ultrasound Workshop 2019
Thursday, May 23, 2019
Bellevue Hospital — NYSIM Center
462 First Avenue (between 27th and 28th Streets)
http://www.med.nyu.edu/courses/cme/us19

READ WITH THE EXPERTS WORKSHOP 2019
THURSDAY, MAY 23, 2019
NYU Langone Medical Center, Alumni Hall B
550 First Avenue (between 30th and 33rd Streets)
http://www.med.nyu.edu/courses/cme/experts19

HANDS-ON MSK ULTRASOUND WORKSHOP 2019
THURSDAY, MAY 23, 2019
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Registration Information
Online registration is fast and easy. Go to www.radcme.med.nyu.edu or fax the registration page from this brochure.

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.
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Optional Workshops | Thursday, May 23, 2019 | Read With The Experts Workshop 2019 | Hands-on MSK Ultrasound Workshop 2019

Please Print Clearly

NAME

ADDRESS

CITY  STATE  ZIP

DAY PHONE

E-MAIL *(REQUIRED FOR EMAIL CONFIRMATIONS)*

DEGREE  SPECIALTY

SUBSPECIALTY

DIETARY RESTRICTIONS

Registration Fees
Please check appropriate boxes below

NYU’s 2019 Advanced Imaging of the Musculoskeletal System: Up Your Game
May 20–22, 2019

☐ Full Fee (Physicians)
☐ $1050 per attendee

☐ Discounted Fee* *(see below for qualifications)*
☐ $850 per attendee

Read With The Experts Workshop 2019
May 23, 2019

☐ $750 per attendee

Hands-on MSK Ultrasound Workshop 2019
May 23, 2019

☐ $575 per attendee

*Discounted Fees apply to NYU School of Medicine alumni, M.D.s employed by the Dept. of Veterans Affairs, full-time active military personnel, technologists, current residents/fellows, retirees, 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 #

EXPIRATION DATE *(MONTH/YEAR)* #

AMOUNT TO BE CHARGED: $

SIGNATURE *(REQUIRED TO PROCESS)*

Fax Form to: (212) 263-3959

REFUND POLICY

• NYU’s 2019 Advanced Imaging of the Musculoskeletal System: Up Your Game
An administrative charge of $75 will be assessed for cancellations made in writing one month or more prior to the start of a course. Refunds will be possible after this date subject to a $150 fee.

• Read with the Experts Workshop 2019 & Hands-on MSK Ultrasound Workshop 2019
If you cancel your enrollment and we are able to fill your place with another physician, you will be charged a $150 administrative fee. Cancellations will not be possible after April 23, 2019. This is a strict cancellation penalty due to the popularity of this topic and the limited number of enrollees possible.

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.

Where to Mail or Fax/Contact Info:

Marisa Costello
NYU Langone Medical Center
Department of Radiology
462 First Avenue, 08H, C&D, 1st Floor Room 4
New York, NY 10016
Fax: 212-263-3959  |  Phone: 212-263-0724
NYU's 2019

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