

NYU's 2019

# ADVANCED IMAGING OF THE MUSCULOSKELETAL SYSTEM: **UP YOUR GAME**

May 20–22, 2019

**Optional Workshop: Thursday, May 23, 2019**

• **Read with the Experts Workshop 2019**

**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

## 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.

## 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, FACP

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, FACP

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

### 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

### 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. Mechlin, 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.

• <b>NYU's 2019 Advanced Imaging of the Musculoskeletal System: Up Your Game</b>	<b>20.50 Credits</b>
May 20–22, 2019	
• <b>Read with the Experts Workshop 2019</b>	<b>6.50 Credits</b>
May 23, 2019	

## 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.

# COURSE SCHEDULE

<http://www.med.nyu.edu/courses/cme/sports19>

NYU's 2019 Advanced Imaging of the Musculoskeletal System: Up Your Game

NYU Langone Medical Center, Schwartz E | 435 East 30th Street (between 1st Avenue & The FDR Drive)

## MONDAY, MAY 20, 2019

7:15 am **Registration & Breakfast**  
7:50 am **Welcome**  
Leon D. Rybak, MD and Michael P. Recht, MD

### LOWER EXTREMITY 1

8:00 am **Patterns of Knee Injury**  
Donald L. Resnick, MD  
8:20 am **Anterior Knee Pain**  
Mini N. Pathria, MD  
8:40 am **Avulsion Injuries of the Knee**  
Zehava Sadka Rosenberg, MD  
9:00 am **MRI of the Knee: How Important are the Corners?**  
Lawrence M. White, MD  
9:20 am **Menisci and Cruciates: Is There Anything New I Need to Know?**  
Christine B. Chung, MD  
9:40 am **Cartilage Repair: How Can I Help My Surgeon?**  
Michael P. Recht, MD & Eric J. Strauss, MD  
10:10am **Challenging Cases**  
William Walter, MD  
10:30 am **Q&A with Coffee**

### ODDS AND ENDS

10:50 am **Muscle Injuries: How Should I Report Them?**  
Gregory I. Chang, MD  
11:10 am **Neuropathy of the Lower Extremity**  
Zehava Sadka Rosenberg, MD  
11:30 am **Metabolic Bone Disease: The Basics**  
Michael J. Tuite, MD  
11:50 am **Stress Injuries**  
Mini N. Pathria, MD  
12:10pm **Lunch**

### ARTHRITIS AND INFECTION

1:30 pm **Arthritis: A Target Area Approach**  
Donald L. Resnick, MD  
1:50 pm **Advanced Imaging of the Hands & Wrists in Rheumatoid Arthritis**  
David A. Rubin, MD  
2:10 pm **The ABCs of Spondyloarthropathies**  
Catherine Petchprapa, MD  
2:30 pm **Osteomyelitis and Septic Arthritis: Mechanisms and Situations**  
Donald L. Resnick, MD  
3:00 pm **Myositis and Necrotizing Fasciitis: What do I Need to Know?**  
Mark D. Murphey, MD, FACR  
3:15 pm **Q&A**  
3:30 pm **Coffee Break**

### LOWER EXTREMITY 2

3:45 pm **Ankle Instability: The Highs and Lows**  
Laura W. Bancroft, MD, FACR  
4:00 pm **An Imaging Approach to Heel Pain**  
David A. Rubin, MD  
4:20 pm **Ligaments of the Hind and Midfoot**  
Zehava Sadka Rosenberg, MD  
4:40 pm **Metatarsalgia**  
Christine B. Chung, MD  
5:00 pm **Adjourn**

## TUESDAY, MAY 21, 2019

7:30 am **Breakfast**

### LOWER EXTREMITY 3

8:00 am **Abdominal Wall Muscle Injuries Outside the Groin**  
Lawrence M. White, MD  
8:15 am **Groin Injuries in Athletes**  
Erin Alaia, MD  
8:35 am **Tendons of the Pelvis and Hip: Anatomy and Pathology**  
Mini N. Pathria, MD  
8:55 am **Osteonecrosis and Osteopenia: Concepts and Controversies**  
Donald L. Resnick, MD  
9:25 am **MR of FAI and the Labrum: What Should I Report?**  
Laura W. Bancroft, MD, FACR  
9:45 am **Challenging Cases**  
Dana Lin, MD  
10:05 am **Questions**  
10:15 am **Coffee Break**  
10:30 am **Bone Tumors: When Should I Worry?**  
Mark D. Murphey, MD, FACR  
11:00 am **Soft Tissue Tumors: Pitfalls and Mimics**  
Leon D. Rybak, MD  
11:30 am **Post-Op Tumor Cases: What Should Go in the Report?**  
Mark D. Murphey, MD, FACR  
11:50 am **Tumor Biopsy: Dilemmas and Pitfalls**  
Christopher Burke, MD  
12:10 pm **Challenging Cases**  
Mark D. Murphey, MD, FACR  
12:30 pm **Lunch**

### UPPER EXTREMITY 1

2:00 pm **MR of the Elbow: Imaging Pearls**  
Michael J. Tuite, MD  
2:20 pm **Ulnar Sided Wrist Pain**  
Laura W. Bancroft, MD, FACR  
2:40 pm **Imaging of Chest Wall Injuries**  
David A. Rubin, MD  
3:00 pm **MRI of Commonly Encountered Finger Pathology**  
Catherine N. Petchprapa, MD  
3:20 pm **Pediatric Sports Injuries of the Upper Extremity**  
David A. Rubin, MD  
3:40 pm **Challenging Cases**  
Renata La Rocca Vieira, MD  
4:00 pm **Questions**  
4:10 pm **Adjourn**

## WEDNESDAY, MAY 22, 2019

7:30 am **Breakfast**

### UPPER EXTREMITY 2

8:00 am **Commonly Missed Fractures of the Upper Extremity**  
Laura W. Bancroft, MD, FACR  
8:20 am **MR of the Rotator Cuff: Pearls and Pitfalls**  
Soterios Gyftopoulos, MD, MSc  
8:45 am **Imaging the Shoulder Labrum: Above the Equator**  
Michael J. Tuite, MD  
9:10 am **Glenohumeral Instability: MR-Arthroscopy Correlation**  
Erin Alaia, MD  
9:30 am **Post-Operative Shoulder: How to Image and What Do I Need to Know**  
Lawrence M. White, MD  
9:50 am **The Rotator Cuff Interval- Anatomy and Pathology**  
Christine B. Chung, MD  
10:10 am **Challenging Cases**  
Hamza Alizai, MD  
10:30 am **Q&A with Coffee**

### MISCELLANEOUS

10:50 am **MR of Hip Arthroplasties**  
Lawrence M. White, MD  
11:10 am **AI in Musculoskeletal Imaging**  
Michael P. Recht, MD  
11:40 am **US Intervention: When is it Useful?**  
Ronald S. Adler, PhD, MD  
12:00 pm **Lunch**

### SPINE

1:30 pm **Cervical Spine Trauma: A Pattern Approach**  
Mini N. Pathria, MD  
2:00 pm **Thoraco-Lumbar Spine Trauma: A Pattern Approach**  
Mini N. Pathria, MD  
2:20 pm **Imaging Low Back Pain: Controversies and What the Surgeon Wants to Know**  
Michael J. Tuite, MD  
2:40 pm **Imaging of Osteoporotic Compression Fractures: An Algorithmic Approach**  
Gina A. Ciavarra, MD  
3:00 pm **Discitis: Imaging Diagnosis and When to Biopsy**  
Mohammad M. Samim, MD  
3:20 pm **Imaging the Post-Op Spine**  
Leon D. Rybak, MD  
3:40 pm **The Atypical Spine Lesion: Biopsy or Watch**  
Michael B. Mechlin, MD  
3:50 pm **Challenging Cases**  
Iman Khodarahmi, MD  
4:10 pm **Adjourn**

# OPTIONAL WORKSHOP

MAY 23, 2019 • Read with the Experts Workshop 2019

## 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>

7:30 am	<b>Breakfast</b>
8:00 am	<b>Elbow/Wrist</b> Christine B. Chung, MD
9:20 am	<b>Hip</b> Lawrence M. White, MD
10:35 am	<b>Coffee Break</b>
10:45 am	<b>Knee</b> David A. Rubin, MD
12:00 pm	<b>Lunch</b>
1:30 pm	<b>Foot/Ankle</b> Zehava Sadka Rosenberg, MD
2:50 pm	<b>Shoulder</b> Soterios Gyftopoulos, MD, MSc
4:10 pm	<b>Adjourn</b>

## 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](http://www.radcme.med.nyu.edu)
- Call **1-866-233-4642** and mention **NYU MSK Radiology 2019**
- Email: [reservations@affinia.com](mailto: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 ~ (Schwartz E)**  
435 East 30th Street (between 1st Avenue & The FDR Drive)

**Read With The Experts Workshop 2019**  
**NYU Langone Medical Center ~ (Alumni Hall B)**  
550 First Avenue (between 30th and 33rd Streets)

## Registration Information

Online registration is fast and easy. Go to [www.radcme.med.nyu.edu](http://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.





# REGISTRATION FORM

NYU's 2019

## NYU's 2019 Advanced Imaging of the Musculoskeletal System: Up Your Game

May 20–22, 2019

**Optional Workshop** | Thursday, May 23, 2019 | **Read With The Experts 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

\*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.

Online Registration is Fast & Easy  
[www.radcm.med.nyu.edu](http://www.radcm.med.nyu.edu)

### 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

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, OBH, C&D, 1st Floor Room 4  
New York, NY 10016  
Fax: 212-263-3959 | Phone: 212-263-0724

We hope you'll plan on joining us  
at one of these CME courses.

[www.radcme.med.nyu.edu](http://www.radcme.med.nyu.edu)

## 2019

- MAR 11–15 NYU's 17th Annual Alpine Imaging Symposium in Snowmass  
The Viceroy Snowmass, Snowmass, CO
- MAY 20–22 NYU's 2019 Advanced Imaging of the Musculoskeletal System: Up Your Game  
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 NYU's Fall Radiology Symposium in Charleston  
The Belmond Charleston Place, Charleston, SC
- DEC 16–20 NYU's 38th Annual Head to Toe Imaging Conference  
New York Hilton Midtown, New York, NY

## 2020

- JAN 20–24 NYU's Clinical Imaging Symposium in Nevis  
Four Seasons Nevis, West Indies, Nevis



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

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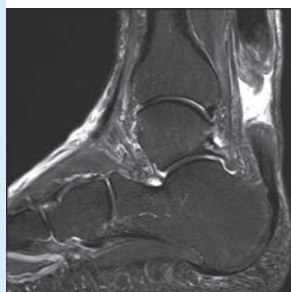
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*Advanced Imaging of the  
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Provided by the NYU School of Medicine

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