



Guest Speakers to Include: Laura W. Bancroft, M.D., Christine B. Chung, M.D., William E. Palmer, M.D., Mini N. Pathria, M.D., Donald L. Resnick, M.D., David A. Rubin, M.D., Lynne S. Steinbach, M.D., Michael J. Tuite, M.D., Lawrence M. White, M.D., Tony Wong, M.D.

THE DEPARTMENT OF RADIOLOGY PRESENTS:

NYU'S 2015 ADVANCED IMAGING OF JOINTS WITH AN EMPHASIS ON SPORTS INJURIES

May 26-28, 2015

Optional Workshops: Friday, May 29, 2015

- *Read with the Experts: Sports Medicine Imaging Workshop 2015*
- *Hands-on MSK Ultrasound Workshop 2015*

Course Description

This conference will offer a unique and innovative program in sports related injuries which is organized by body part and includes a review of relevant anatomy in each area. There will be instructional videos of actual arthroscopic procedures of the knee and shoulder with live review of the findings by the orthopedists and discussion of the correlative imaging by a radiologist. A discussion of relevant sports related pathology will then ensue. All of the major joints will be covered in this comprehensive fashion. Other current and relevant topics to be covered will include cartilage repair techniques and their appearance on imaging, imaging athletic pubalgia, common sports specific injuries, nerve entrapment syndromes and musculoskeletal ultrasound. Additional topics to be covered outside of the realm of sports related pathology will include imaging of soft tissue and bone tumors, proper technique for tumor biopsy and MR imaging of rheumatoid arthritis.

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.
- Describe ultrasound guided interventional procedure, including sterile technique, contraindications to percutaneous procedures and appropriate doses of steroids, and discuss the increasing role of ultrasound in the diagnosis and treatment of musculoskeletal diseases.
- Evaluate the latest technology, focusing on magnetic resonance and the increasing importance of ultrasound in order to apply this technology to everyday practice.
- Describe safety factors as they pertain to the use of high field MRI in musculoskeletal imaging.

Read with the Experts Workshop *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 hands-on and 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 2015 *Enrollment limited to 42 attendees*

This hands-on workshop will include 5 rotating workstations divided by anatomic region and one final 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. The participants at the interventional station will have the opportunity to practice needle guidance techniques utilizing ultrasound guidance and cadaveric specimens.

NYU'S 2015 ADVANCED IMAGING OF JOINTS WITH AN EMPHASIS ON SPORTS INJURIES

May 26-28, 2015 • Optional Workshops, May 29, 2015

Course Director

Leon D. Rybak, M.D.

Assistant Professor of Radiology
Vice Chair of Operations
Department of Radiology

Guest Faculty

Laura W. Bancroft, M.D.

Section Chief - MSK
Program Director
Radiology Residency Program
Florida Hospital
Orlando, FL

Christine B. Chung, M.D.

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

William E. Palmer, M.D.

Director, Musculoskeletal Imaging and
Intervention Division
Massachusetts General Hospital
Assistant Professor of Radiology
Harvard Medical School
Boston, MA

Mini N. Pathria, M.D.

Professor of Clinical Radiology
UCSD Medical Center, San Diego
San Diego, CA

Donald L. Resnick, M.D.

Professor of Radiology
Section Chief
Musculoskeletal Radiology
UCSD Medical Center, San Diego
San Diego, CA

David A. Rubin, M.D.

Professor of Radiology
Chief, Musculoskeletal Radiology Section
Washington University School of Medicine
St. Louis, MO

Lynne S. Steinbach, M.D.

Professor of Clinical Radiology and
Orthopaedic Surgery
UCSF Medical Center
San Francisco, CA

Michael J. Tuite, M.D.

Professor of Radiology
University of Wisconsin
School of Medicine and Public Health
Madison, WI

Lawrence M. White, M.D.

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

Tony Wong, M.D.

Assistant Professor of Radiology
Columbia University Medical Center
New York, NY

NYU/HJD Faculty

Ronald S. Adler, Ph.D., M.D.

Professor of Radiology

Luis S. Beltran, M.D.

Assistant Professor of Radiology

Jenny T. Bencardino, M.D.

Associate Professor of Radiology

Christopher Burke, M.D.

Assistant Professor of Radiology

Gregory I. Chang, M.D.

Assistant Professor of Radiology
Chief, Musculoskeletal Radiology

Gina A. Ciavarra, M.D.

Assistant Professor of Radiology

Soterios Gyftopoulos, M.D.

Assistant Professor of Radiology

Laith Jazrawi, M.D.

Assistant Professor of Orthopaedic Surgery

Renata La Rocca Vieira, M.D.

Assistant Professor of Radiology

Michael B. Mechlin, M.D.

Assistant Professor of Radiology

Sandra L. Moore, M.D.

Assistant Professor of Radiology

Catherine N. Petchprapa, M.D.

Assistant Professor of Radiology

Michael P. Recht, M.D.

Louis Marx Professor and Chairman
Department of Radiology

Zehava Sadka Rosenberg, M.D.

Professor of Radiology and Orthopedic Surgery

Eric J. Strauss, M.D.

Assistant Professor of Orthopaedic Surgery

Accreditation Statement

The NYU Post-Graduate Medical School is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

Credit Designation Statement

The NYU Post-Graduate Medical School designates this live activity for a maximum of 28.50 *AMA PRA Category 1 Credits*[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

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| ▪ NYU's 2015 Advanced Imaging of Joints with an Emphasis on Sports Injuries
May 26-28, 2015 | 21.00 Credits |
| ▪ Read with the Experts: Sports Medicine Imaging Workshop 2015
May 29, 2015 | 7.50 Credits |
| ▪ Hands-on MSK Ultrasound Workshop 2015
May 29, 2015 | 6.50 Credits |

Disclosure Statement

The NYU Post-Graduate Medical School 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 2015 Advanced Imaging of Joints with an Emphasis on Sports Injuries 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

NYU's 2015 Advanced Imaging of Joints with an Emphasis on Sports Injuries, May 26-28, 2015

TUESDAY, MAY 26

NYU, 550 First Ave.

- 7:15am **Registration and Breakfast**
7:50am **Welcome**
Leon D. Rybak, M.D.

SHOULDER IMAGING

- 8:00am **Important Anatomy of the Shoulder**
Donald L. Resnick, M.D.
- 8:30am **Arthroscopy with MR Correlation**
Laith Jazrawi, M.D.
Soterios Gyftopoulos M.D.
- 9:00am **MR Imaging of the Rotator Cuff: Pearls and Pitfalls**
Donald L. Resnick, M.D.
- 9:30am **MR Imaging of Shoulder Instability**
Jenny T. Bencardino M.D.
- 9:50am **Superior Labrum: Anatomy, Variants & Pathology: How Do I Tell the Difference?**
Donald L. Resnick, M.D.
- 10:10am **Questions**
- 10:20am **Coffee Break**
- 10:30am **Imaging of the Post-Operative Shoulder**
Lawrence M. White, M.D.
- 10:50am **How to Incorporate Diagnostic and Interventional US into your Practice**
Ronald S. Adler, Ph.D., M.D.

RAPID FIRE: SHOULDER

- 11:10am **Biceps Pulley Lesions-Nuts and Bolts**
Michael P. Recht, M.D.
- 11:25am **AC Joint Pathology**
Michael J. Tuite, M.D.
- 11:35am **Frozen Shoulder**
Gregory I. Chang, M.D.
- 11:45am **Pec Tears**
Luis S. Beltran, M.D.
- 11:55am **Questions**
- 12:10pm **Lunch**

ELBOW & WRIST

- 1:30pm **Biceps & Triceps**
Lynne S. Steinbach, M.D.
- 1:50pm **The Elbow in the Throwing Athlete**
Leon D. Rybak, M.D.
- 2:10pm **Imaging of the Intrinsic Wrist Ligaments and TFCC**
Catherine N. Petchprapa, M.D.
- 2:30pm **Pediatric/Adolescent Sports Injuries of the Elbow and Shoulder**
Zehava Sadka Rosenberg, M.D.
- 3:00pm **Finger Imaging: When and How?**
Catherine N. Petchprapa, M.D.
- 3:30pm **Questions**
- 3:40pm **Coffee Break**

RAPID FIRE: ELBOW & WRIST

- 3:50pm **Pannars vs. OCD of Capitellum**
Gregory I. Chang, M.D.
- 4:00pm **Intersection Syndromes of the Wrist and Forearm**
Lynne S. Steinbach, M.D.
- 4:10pm **Gamekeeper's Thumb**
Laura W. Bancroft, M.D.

- 4:20pm **Tennis Elbow**
Luis S. Beltran, M.D.
- 4:30pm **Therapeutic Interventions**
Gina A. Ciavarra, M.D.
- 4:40pm **Interesting Elbow & Wrist Cases**
Michael B. Mechlin, M.D.
- 4:50pm **Questions**
- 5:05pm **Adjourn**

WEDNESDAY, MAY 27

NYU, 550 First Ave.

- 7:30am **Breakfast**

KNEE IMAGING

- 8:00am **Imaging the Menisci: Pearls and Pitfalls**
William E. Palmer, M.D.
- 8:30am **Combined Ligament Injuries in Athletes**
David A. Rubin, M.D.
- 8:50am **Extensor Mechanism**
Luis S. Beltran, M.D.
- 9:10am **Post-Op Knee Menisci and Ligaments**
Lawrence M. White, M.D.
- 9:30am **Live Arthroscopy with MR Correlation**
Eric J. Strauss, M.D.
Soterios Gyftopoulos M.D.
- 10:00am **Cartilage Imaging: State of the Art**
Michael P. Recht, M.D.
- 10:30am **Questions**
- 10:40am **Coffee Break**

RAPID FIRE: KNEE

- 10:50am **ITB Syndrome**
William E. Palmer, M.D.
- 11:00am **Fat Pad Impingement Syndromes**
Jenny N. Bencardino, M.D.
- 11:10am **Cysts and Bursae Around the Knee**
Soterios Gyftopoulos, M.D.
- 11:20am **Advanced Imaging Techniques in MSK: The Need for Speed**
Michael P. Recht, M.D.
- 11:40am **Interesting Knee Cases**
Christopher Burke, M.D.
- 11:50am **Questions**
- 12:05pm **Lunch**

POTPOURRI

- 1:30pm **Soft Tissue Tumors: Can We Tell Them Apart**
Leon D. Rybak, M.D.
- 2:00pm **Bone Tumors: What Do I Need To Know**
Laura W. Bancroft, M.D.
- 2:30pm **Image Guided Tumor Biopsy: Tips and Tricks**
Leon D. Rybak, M.D.
- 3:00pm **The Role of MR Imaging in Rheumatoid Arthritis**
David A. Rubin, M.D.
- 3:30pm **Imaging of Stress Fractures**
Mini N. Pathria, M.D.
- 4:00pm **Questions**
- 4:15pm **Adjourn**

THURSDAY, MAY 28

NYU, 550 First Ave.

- 7:30am **Breakfast**
- HIP**
- 8:00am **Imaging FAI: How To Do It and What Do You See?**
William E. Palmer, M.D.
- 8:25am **Athletic Pubalgia**
Mini N. Pathria, M.D.
- 8:50am **Extraarticular Hip Imaging: Tendons and Bursae**
Christine B. Chung, M.D.
- 9:10am **MR of Bony Abnormalities About the Hip: Fractures, AVN, Etc**
Michael J. Tuite, M.D.

RAPID FIRE: HIP

- 9:30am **Greater Trochanteric Pain Syndrome**
Sandra L. Moore, M.D.
- 9:40am **SI Joints and Sacrum**
Christine B. Chung, M.D.
- 9:50am **Pyriformis and Ischiofemoral Syndromes**
Gina A. Ciavarra, M.D.
- 10:00pm **Questions**
- 10:10am **Coffee Break**

ANKLE & FOOT

- 10:20am **Ankle Tendon Sport Injuries: What Do They Look Like and How Should We Image Them?**
Michael J. Tuite, M.D.
- 10:50am **Ankle Sprains: The Highs and Lows**
Lawrence M. White, M.D.
- 11:10am **Advanced Imaging of Lisfranc and Spring Ligament Injuries**
Zehava Sadka Rosenberg, M.D.
- 11:30am **Ankle Impingement**
Lynne S. Steinbach M.D.

RAPID FIRE: FOOT & ANKLE

- 11:50am **Plantar Fascia**
Sandra L. Moore, M.D.
- 12:00pm **Morton's Neuroma**
Renata La Rocca Vieira, M.D.
- 12:10pm **Metatarsalgia**
Gregory I. Chang, M.D.
- 12:20pm **Interesting Foot & Ankle Cases**
Renata La Rocca Vieira, M.D.
- 12:30pm **Questions**

- 12:45pm **Lunch**

MUSCLES AND NERVES

- 2:00pm **Muscle and Nerves: What I Need to Know**
Mini N. Pathria, M.D.
- 2:20pm **Using MRI to Help Prognosticate Sports-Related Muscle Injuries**
David A. Rubin, M.D.
- 2:40pm **Neuropathies of Upper Extremity**
Christine B. Chung, M.D.
- 3:00pm **Neuropathies of Lower Extremity**
Jenny T. Bencardino, M.D.
- 3:20pm **Percutaneous Treatment of Muscle and Nerve: When and How**
Ronald S. Adler, Ph.D., M.D.
- 3:40pm **Questions**
- 4:00pm **Adjourn**

OPTIONAL WORKSHOPS

May 29, 2015 • Read with the Experts: Sports Medicine Imaging Workshop • Hands-on MSK Ultrasound Workshop

Read with the Experts: Sports Medicine Imaging Workshop

NYU Langone Medical Center - Farkas Auditorium (Main Level)
550 First Avenue, New York, NY

Friday, May 29

7:15am	Registration & Breakfast
8:00am	Elbow/Wrist Christine B. Chung, M.D.
9:30am	Hip Lawrence M. White, M.D.
11:00am	Coffee Break
11:15am	Shoulder David A. Rubin, M.D.
12:45pm	Lunch
2:00pm	Knee William E. Palmer, M.D.
3:30pm	Foot/Ankle Jenny T. Bencardino, M.D.
5:00pm	Adjourn

Hands-on MSK Ultrasound Workshop

Bellevue Hospital - NYSIM Center (D Building, 3rd Floor)
462 First Avenue, New York, NY

Friday, May 29

7:15am	Registration & Breakfast	WORKSHOP PRESENTERS
8:15am	Welcome Ronald S. Adler, Ph.D., M.D.	Shoulder Renata La Rocca Vieira, M.D.
9:00am	Session 1	Elbow Tony Wong, M.D.
10:00am	Session 2	Wrist Catherine N. Petchprapa, M.D.
11:00am	Session 3	Hip Luis S. Beltran, M.D.
12:00pm	Lunch	Foot & Ankle Gina A. Ciavarra, M.D.
1:30pm	Session 4	Intervention Ronald S. Adler, Ph.D., M.D.
2:30pm	Session 5	
3:30pm	Session 6	
4:30pm	Questions & Discussion	
5:00pm	Adjourn	

Meeting Location

**Advanced Imaging of Joints with an Emphasis on Sports Injuries
Read with the Experts: Sports Medicine Imaging Workshop 2015**
NYU Langone Medical Center - Farkas Auditorium (Main Level)
550 First Avenue, between 32nd and 33rd Streets

Hands-on MSK Ultrasound Workshop 2015
Bellevue Hospital - NYSIM Center (D Building, 3rd Floor)
462 First Avenue, between 27th and 28th Streets

Registration Information

Online registration is fast and easy. Go to www.radcm.med.nyu.edu or fax the registration sheet from this brochure.

Special Needs

The Post-Graduate Medical School of the New York University 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.



Hotel Information

A block of rooms has been reserved at the Affinia Dumont.

Affinia Dumont

www.affinia.com • 150 East 34th Street
(approximately 7 minute walk to NYU)

The Affinia Dumont combines a high-tech and health-conscious concept to help travelers stay productive and fit with stylish, modern suites and an on-site fitness spa. Conveniently located in central Murray Hill, the Dumont offers 242 spacious suites featuring executive workspace with modern amenities and technology such as high-speed Internet access and in-room fax/printer/copier. The hotel's health focus is emphasized by amenities such as a 3-choice pillow menu, a Fitness Concierge, in-room Fit Kits, and the Oasis Day Spa.

Rates

Studio Suites 1 Bed: \$298/night

Studio Suites 2 Beds: \$318/night

(wireless internet is included in room rate)

Discounted Suite Options also available.

Reservations

- Online: Please visit www.radcm.med.nyu.edu
- Call 1-866-233-4642 and mention **NYU Sports Medicine 2015 Conference**
- Email: reservations@affinia.com the group code **NYUMC2015** to guarantee the special group rate
- Cut-off date for accepting reservations at this rate is **Wednesday, May 6, 2015**
(Book early as rooms may sell out prior to this date)

REGISTRATION FORM

NYU'S 2015 ADVANCED IMAGING OF JOINTS WITH AN EMPHASIS ON SPORTS INJURIES

May 26-28, 2015

Optional Workshops: May 29, 2015

Read with the Experts: Sports Medicine Imaging Workshop • Hands-on MSK Ultrasound Workshop 2015

Please Print Clearly

NAME

ADDRESS

CITY STATE ZIP

DAYTIME PHONE FAX

EMAIL (NOW REQUIRED FOR EMAIL CONFIRMATIONS)

DEGREE

SPECIALTY

SUBSPECIALTY

DIETARY RESTRICTIONS

Registration Fees

(Please check appropriate boxes below)

Advanced Imaging of Joints with an Emphasis on Sports Injuries

May 26-28, 2015

Full Fee (Physicians)

\$975 per attendee

Discounted Fee* (see below for qualifications)

\$750 per attendee

Read with the Experts: Sports Medicine Imaging Workshop

May 29, 2015

\$750 per attendee

Hands-on MSK Ultrasound Workshop 2015

May 29, 2015

\$500 per attendee

Optional Printed Syllabus for 3 Day Meeting

All meeting attendees will receive a USB drive uploaded with the meeting lectures. If you wish to purchase an additional printed syllabus, there is a \$40 fee and you may order this when you register for the meeting.

\$40 Additional Fee

* 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.

GO TO: WWW.RADCME.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

Advanced Imaging of Joints with an Emphasis on Sports Injuries

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: Sports Medicine Imaging Workshop 2015

Hands-on MSK Ultrasound Workshop 2015

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 30th, 2015. 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 Post-Graduate Medical School 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

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Phone: 212-263-0724