Musculoskeletal Ultrasound for Rheumatologists: Beginner and Intermediate Levels

Saturday – Sunday, March 18-19, 2017
New York, NY

Highlighted Topics:

- Sonoanatomy and sonopathology
- Hands-on small-group instruction for each major joint
- Injection guidance
- Recent literature review for use in rheumatic diseases
- Billing and coding
- Panel discussion on certification
- Case presentations
Course Director
Jonathan Samuels, MD
Associate Professor of Medicine
NYU School of Medicine
New York, NY

Location
The Center for Musculoskeletal Care
6th Floor Conference Room
333 East 38th Street, New York, NY 10016

Course Description
The use of musculoskeletal ultrasound (MSKUS) has increased amongst rheumatologists in the United States over the last 5 years, but we still trail Europeans and others in this regard. MSKUS complements the physical examination by allowing for superior visualization of synovitis and erosive changes compared to conventional radiography, and provides detail comparable or supplementary to magnetic resonance imaging (MRI). This modality is also less expensive than MRI and CT scans, without the claustrophobia or other contraindications, while uniquely providing dynamic — rather than static — imaging. While MSKUS enhances our diagnostic and prognostic abilities in the clinics and at the bedside, rheumatologists skilled in MSKUS can also aspirate/inject hips and posterior knees (Baker’s cysts) and improve the accuracy/success of other routine injections. A growing body of literature for MSKUS in RA, gout and other diseases is contributing significantly to the understanding of diagnostic and prognostic utility, longitudinal assessment and disease remission. Furthermore, scoring systems focusing on the patient level rather than individual joint have been developed, allowing for simplification of exams while still retaining accuracy and utility. Despite all of this, relatively few rheumatologists have received training to use this modality. There are very few MSKUS courses focused on the needs of rheumatologists and the patients and problems that they see. We feel that there is a significant need on a regional and national level for a beginner’s course for rheumatologists and associated health care professionals.

Target Audience
Rheumatologists and other healthcare professionals working in the field of rheumatology

Educational Objectives
After participating in this activity, clinicians should be able to:

- Compare the efficacy of MSKUS techniques to conventional radiography and select the best diagnostic and treatment modalities to treat their patients
- Demonstrate the correct way to handle the ultrasound probe and locate and recognize normal anatomy and pathology in each of the joints using musculoskeletal ultrasound
- Utilize ultrasound to track needles into joints and bursae by both indirect and direct guidance
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 14.00 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 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.

Course Setup
The hands-on sessions for this course will be divided into two tracks: Beginner and Intermediate. You must choose your track upon registration. Those who have taken a course before or are familiar with all of the joint scans should opt for the Intermediate. Some lectures will also be geared more towards the Intermediate level, however they will be beneficial to all participants.

Registration
Space is limited and applications will be accepted in order of their receipt. In order to reserve your seat, please register in advance, as onsite registration is not guaranteed. An email confirmation will be sent confirming your registration. Please visit our secure website med.nyu.edu/cme/ultrasound to submit online registration.

Syllabus
In an effort to be more environmentally conscious, we will distribute syllabus materials electronically. You will receive an email with a link one week prior to the course to view, download or print the course materials. During the course you will also have the option to view the course materials from your smartphone, tablet or laptop by using the link. These materials will remain available for one year following the course.
These lectures are at an Intermediate Level, however all participants should attend.

**Course Schedule**

**Saturday, March 18**

11:00 am  Registration
11:30  Welcome
11:35  Introduction: Basics, “Knobology” and General Sonopathology
12:15 pm  Hands-On Session: Basics and “Knobology”
12:45  Lunch
1:15  Knee Anatomy and Pathology
1:50  Hands-On Session: Knee
2:45  Hip Anatomy and Pathology
3:05  Hands-On Session: Hip
3:35  Coffee Break
3:45  Ankle/Foot Anatomy and Pathology
4:20  Hands-On Session: Ankle/Foot
5:20  Images and Case Studies**
5:50  Year in Review: Updates from the Ultrasound Literature in Rheumatic Disease**
6:20 pm  Adjourn

**Sunday, March 19**

7:45 am  Registration & Continental Breakfast
8:00  Welcome
8:05  Wrist-Hand Anatomy and Pathology
8:40  Hands-On Session: Wrist/Hand
9:35  Coffee Break
9:45  Elbow Anatomy and Pathology
10:20  Hands-On Session: Elbow
11:15  Documentation/Billing
11:45  Lunch: Panel Discussion: Competency, Certification, and Integration of MSUS into Practice
12:45 pm  Shoulder Anatomy and Pathology
1:20  Hands-On Session: Shoulder
2:20  Pathology: Review by Disease**
2:50  Procedure Guidance: Practical Approaches and Evidence-Based Justification
3:20  Hands-On Session: Procedure Guidance
3:50  Wrap-Up Discussion
4:00 pm  Adjourn

**Course Schedule**

**Course Schedule**

**March 18-19, 2017 — The Center for Musculoskeletal Care,**
6th Floor Conference Room, New York, NY 10016

Register online at: med.nyu.edu/cmeeultrasound

After 12 pm on March 16, 2017, only onsite registration is available provided the course has not reached capacity. Onsite registrants will incur an additional $20 charge and will receive a receipt by email in 1-2 weeks.

**PLEASE PRINT CLEARLY IN BLOCK LETTERS AND NUMBERS**

Name

Address

City  State  Zip

Email

Day Phone (  )  Fax (  )

Degree  Specialty

**Course Fees**

- Full Fee: $1,250
- Fellows: $1,000
- Reduced Fee*: $1,000

- NYU Langone Faculty and Staff: $1,000 (must provide valid NYU Langone ID)

* Reduced fee applies to participants also registered for the NYU Langone Seminar in Advanced Rheumatology on March 16-18, 2017. med.nyu.edu/cmeeultrasound

**Methods of Payment**

Cash and phone registration are not accepted.

- Check in U.S. Dollars only:
- Credit Card Payment (see below)
- International Postal Money Order:

Foreign registrants, including those from Canada, must pay by International Postal Money Order or credit card.

**Payment by Credit Card**

Credit card payments may be faxed to (212) 263-5293

Bill to:  Visa  MasterCard  American Express

Credit Card Number:

Card Member’s Name:  Exp Date:  CVC Code:  Signature:

REFUND POLICY  In order to request a refund, you must email maria.mercedo@nyumc.org no later than 14 days prior to the first day of the course. An administrative fee of $75 will be deducted from your refund. Cancellations or no-shows after this date are not eligible for a refund. Registration is non-transferable.

COURSE CANCELLATION  If a course is cancelled due to inclement weather, insufficient enrollment, or any other reason, NYU PGMS will refund registration fees in full. NYU PGMS will provide at least two weeks advance notice if cancelling due to insufficient enrollment and as soon as possible in all other circumstances. NYU PGMS is not responsible for any airfare, hotel or other non-refundable costs incurred by the registrant.

**Registration Form**

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