



**HANDS-ON
SCANNING
WORKSHOPS**



**DEPARTMENT OF RADIOLOGY
MEDICAL SCHOOL**
UNIVERSITY OF MICHIGAN

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Course Co-Directors: Girish Gandikota, M.D., RMSK, University of Michigan
Jon A. Jacobson, M.D., University of Michigan

Musculoskeletal Ultrasound Course

Upper and Lower Extremities - The Michigan Difference

November 23 - 24, 2019

University of Michigan Medical School
Danto Auditorium located within the Cardiovascular Center
Ann Arbor, MI

12.75 AMA PRA Category 1 Credit(s)TM

ESI Educational
Symposia



About The Meeting

This two-day course will provide dedicated instruction in musculoskeletal ultrasound of the upper and lower extremities including didactic lectures and supervised hands-on workshops with ultrasound scanning of live models. The content of this course will include a comprehensive review of anatomy and pertinent pathology of both upper and lower extremities. Topics will include pathology of joints, tendons, muscles, ligaments, and peripheral nerves. Imaging of inflammatory arthritis and an overview of ultrasound-guided procedures of the hip, knee, ankle, and foot will also be included.

Accreditation

Physicians: Educational Symposia is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

Educational Symposia designates this live activity for a maximum of 12.75 *AMA PRA Category 1 Credit(s)*TM. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Technologists: This program has been submitted to the ASRT. The number of A CE credits will be available approximately 30 days prior to the meeting. Please visit www.UofM.edusymp.com or call (813) 806-1000 regarding the availability of Category A CE credit.

ARDMS Sonographer Technologists: *AMA PRA Category 1 Credit(s)*TM meet the requirements of the Accepted Continuing Education Evaluation Model System (AACCEMS) Checklist of the American Registry for Diagnostic Medical Sonography (ARDMS).

This service is not affiliated with or endorsed by ARDMS.

Target Audience

This CME Activity is primarily designed to educate radiologists, rheumatologists, orthopedists, sports medicine physicians, sonographers, and others in the field of musculoskeletal medicine.

Scientific Sponsor

Educational Symposia

Educational Objectives

Attendees should, at the completion of this course, be able to:

- Utilize ultrasound to assess the upper and lower extremities
- Describe the components of upper and lower extremity ultrasound techniques.
- Identify major anatomical structures of the upper and lower extremity using ultrasound.
- Recognize common pathology of the upper and lower extremity as seen with ultrasound.

No special educational preparation is required for this CME activity.

Holiday Inn® Near the University of Michigan

Space Is Limited - Reserve Today:

Visit UofM.edusymp.com and search **UMMSK19** to visit the accommodations page for additional hotel information.

Call for Reservations:

(734) 769-9800 and identify yourself as a registrant of “**University of Michigan MSK Seminar**” to receive the group discount.

Hotel Shuttle Service:

Complimentary shuttle transportation to and from the University of Michigan / Cardiovascular Center.

Run of House\$119.00

HOTEL CUT-OFF DATE: NOVEMBER 7, 2019

(Single/Double Occupancy)
Non-Smoking Property

HOTEL TAX: 11%

DEPOSIT POLICY: A credit card is required to guarantee your reservation.

CANCELLATION POLICY: All cancellations, arrival and departure date changes must be made 24 hours or more prior to scheduled arrival date/time to avoid penalties. Check in time is: 3:00 PM; check out time is: 11:00 AM.

HOTEL: 3600 Plymouth Road
Ann Arbor, MI 48105

PHONE: (734) 769-9800

Course Organization

This program is planned and organized by Educational Symposia, the leader in diagnostic imaging education since 1975.

Acknowledgement

Educational Symposia appreciates our corporate supporters and exhibitors. A list of industry supporters will be provided and acknowledged at the meeting.


Registration Information

Tuition includes all course materials, including a comprehensive electronic color course syllabus, daily continental breakfasts, coffee breaks and lunch on Saturday afternoon. Early registration is strongly suggested. There will be a \$100 surcharge for anyone registering after **November 14, 2019**. Minimum and maximum attendance levels have been established for this meeting. If your registration cannot be accepted, you will be issued a full tuition refund.

Cancellations must be received in writing. A \$50 processing fee will be applied to all cancellations. Refunds requested in writing prior to **October 25, 2019** will be issued for the amount of tuition paid less the \$50 processing fee. No refunds will be made on or after that date.

Reduce your mail clutter or just add email announcements. Please visit the “Mailing List” section of our website at www.edusymp.com.

Disclaimer: Educational Symposia (ESI) as planner and presenter of this meeting, and Professional Travel as the official travel agency for this meeting, claim no liability for the acts of any suppliers or the safety of any attendees while in transit to, from, or during this event or any optional activities. The total amount of liability, if any, for the meeting organizers is limited to a refund of the registration fee, and Professional Travel’s responsibility is limited to that of an agent.

 **Special Note for the Disabled:** Educational Symposia wishes to ensure that no individual with a disability is excluded, denied services, segregated or otherwise treated differently from other individuals because of the absence of auxiliary aids and services. If you need any auxiliary aids or services identified in the Americans with Disabilities Act, please contact our office at (813) 806-1000.



Faculty

Program Co-Directors:

Girish Gandikota, M.D., RMSK

Jon A. Jacobson, M.D.

Tracy Boon, RDMS, RVT, RMSK

*MSK Technologist
University of Michigan
Ann Arbor, MI*

Sarah Cullum, RDMS, RMSKS

*Musculoskeletal Ultrasound Technologist
University of Michigan
Ann Arbor, MI*

Heidi Ehrich, RDMS, RMSKS

*Musculoskeletal Ultrasound Technologist
University of Michigan
Ann Arbor, MI*

David P. Fessell, M.D.

*Professor of Radiology
Director of Leadership Curriculum
University of Michigan Medical School
Ann Arbor, MI*

Girish Gandikota, M.D., RMSK

*Professor, Radiology
University of Michigan Radiology
Ann Arbor, MI*

Jon A. Jacobson, M.D.

*Professor of Radiology
Director, Division of Musculoskeletal Radiology
Department of Radiology
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Ann Arbor, MI*

Monica Kalume Brigido, M.D.

*Assistant Professor of Radiology
Medical School
Department of Radiology
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Sung Moon Kim, M.D.

*Clinical Professor
University of Michigan
Ann Arbor, MI*

Nathaniel B. Meyer, M.D.

*Assistant Professor
Medical School
Department of Radiology
Michigan Medicine
Ann Arbor, MI*

Dana Rowland, RDMS

*Musculoskeletal Ultrasound Technologist
University of Michigan
Ann Arbor, MI*

Kathleen Sagash, RDMS, RMSK

*Musculoskeletal Ultrasound Technologist
University of Michigan
Ann Arbor, MI*

Program

Saturday, November 23, 2019

6:45 – 7:30 AM	Registration
7:00 – 7:30	Continental Breakfast for Registrants
7:30 – 7:40	Welcome and General Instructions <i>Girish Gandikota, M.D., RMSK</i>
7:40 – 8:00	Image Optimization and Introduction <i>Jon A. Jacobson, M.D.</i>

SHOULDER

8:00 – 8:10	Shoulder Scanning - Technique <i>Girish Gandikota, M.D., RMSK</i>
8:10 – 8:45	Common Indications and Common Pathology <i>Girish Gandikota, M.D., RMSK</i>
8:45 – 9:00	Live Scanning Demonstration - Shoulder <i>Girish Gandikota, M.D., RMSK</i>
9:00 – 10:00	Hands on Workshop - Shoulder <i>Faculty</i>

10:00 – 10:30 Coffee Break for Registrants

ELBOW

10:30 – 10:40	Elbow Scanning - Technique <i>Monica Kalume Brigido, M.D.</i>
10:40 – 11:00	Joint, Bursa and Nerve Pathology <i>Monica Kalume Brigido, M.D.</i>
11:00 – 11:15	Tendon Pathology - Triceps, Tennis Elbow, Distal Biceps <i>Monica Kalume Brigido, M.D.</i>
11:15 – 11:30	Live Scanning Demonstration - Elbow <i>Tracy Boon, RDMS, RVT, RMSK</i>
11:30 – 12:30 PM	Hands on Workshop - Elbow <i>Faculty</i>

12:30 – 1:30 Lunch (provided)

WRIST & HAND

1:30 – 1:40	Scanning Technique - Wrist & Hand <i>Jon A. Jacobson, M.D.</i>
1:40 – 1:55	Joint Pathology, Screening for Synovitis, Pulley Injuries <i>Jon A. Jacobson, M.D.</i>
1:55 – 2:15	Tendon Pathology, Carpal Tunnel Syndrome <i>Nathaniel B. Meyer, M.D.</i>
2:15 – 2:30	Live Demonstration - Wrist & Hand <i>Jon A. Jacobson, M.D.</i>
2:30 – 3:30	Hands on Workshop - Wrist & Hand <i>Faculty</i>

3:30 – 4:00 Coffee Break for Registrants

Saturday, November 23, 2019 (continued)

KNEE

4:00 – 4:10	Scanning Technique - Knee <i>Sung Moon Kim, M.D.</i>
4:10 – 4:25	Joint and Bursa Pathology <i>Sung Moon Kim, M.D.</i>
4:25 – 4:45	Tendon and Ligament Pathology <i>Sung Moon Kim, M.D.</i>
4:45 – 5:00	Live Demonstration - Knee <i>Heidi Ehrlich, RDMS, RMSKS</i>

5:00 End of Session

Sunday, November 24, 2019

7:00 – 7:30 AM Continental Breakfast for Registrants

ANKLE & FOOT

7:30 – 7:45	Scanning Technique - Ankle & Foot <i>David P. Fessell, M.D.</i>
7:45 – 8:10	Joint, Ligament Pathology, Nerve Entrapments <i>David P. Fessell, M.D.</i>
8:10 – 8:30	Tendon Pathology <i>David P. Fessell, M.D.</i>
8:30 – 8:50	Live Demonstration - Ankle & Foot <i>David P. Fessell, M.D.</i>
8:50 – 10:00	Hands on Workshop: Ankle & Foot <i>Faculty</i>

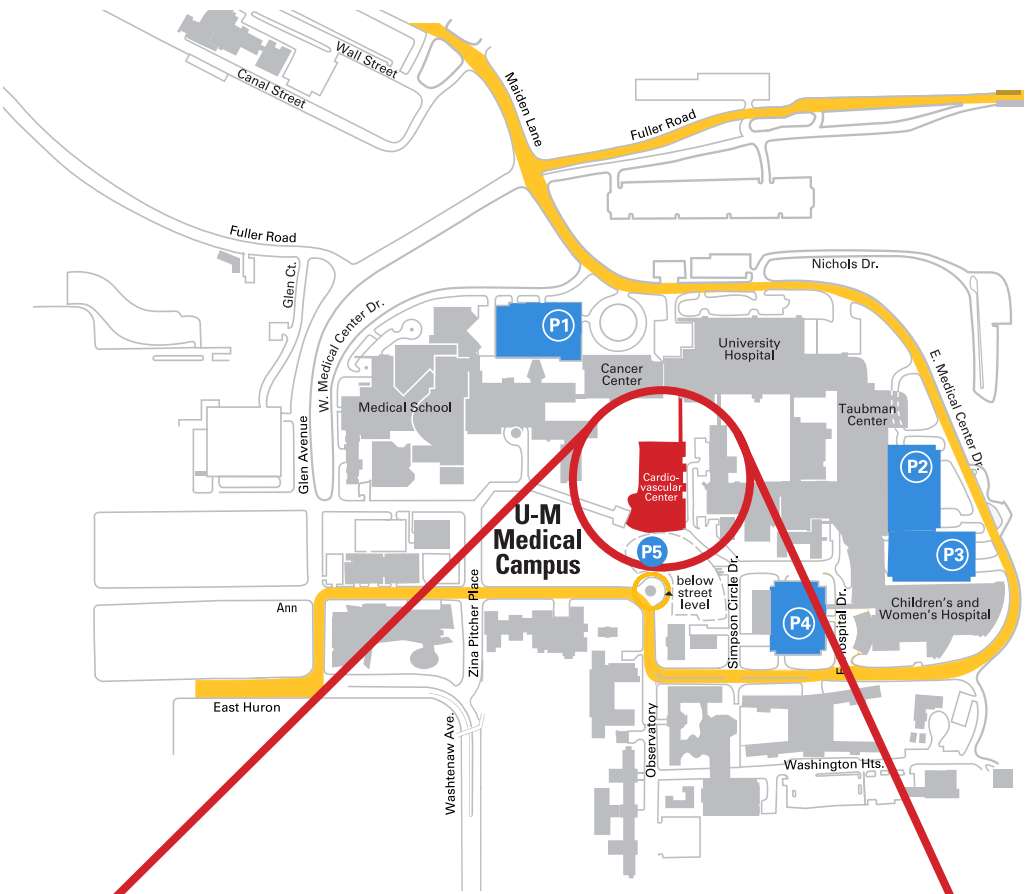
10:00 – 10:15 Coffee Break for Registrants

HIP

10:15 – 10:30	Scanning Technique - Hip <i>Jon A. Jacobson, M.D.</i>
10:30 – 10:40	Joint, Iliopsoas Pathology <i>Jon A. Jacobson, M.D.</i>
10:40 – 11:00	Greater Trochanter Pain Syndrome, Hamstring Pathology <i>Jon A. Jacobson, M.D.</i>
11:00 – 11:15	Live Demonstration - Hip <i>Jon A. Jacobson, M.D.</i>
11:15 – 12:45 PM	Hands on Workshop - Knee and Hip <i>Faculty</i>
12:45 – 1:00	Question and Answer Session <i>Faculty</i>

1:00 End of Course

Cardiovascular Center • Danto Auditorium



- 40 Atrium Garden
- 41 Danto Auditorium
- 12 CVC Visitor Elevators

From Parking Structure P5 :

- Take Elevator P5 to Floor 3
- Follow signs to Elevator 12
- Take Elevator 12 down to Floor 2
- Follow signs to Danto Auditorium

REGISTER ONLINE: www.UofM.Edusymp.com

☐ **Skill Level:**
Introductory

Suggested for registrants who are developing scanning techniques and protocols.

☐ **Skill Level:**
Advanced

Suggested for registrants who have attended prior musculoskeletal ultrasound courses, who are able to demonstrate normal anatomy, and who are comfortable with common pathology (i.e. those who have scanned >100 patients)

- ☐ Full Course Including Workshops - **Limit 60 Registrants** \$995
☐ 2 Days (Lecture Only) - **Limit 15 Registrants** \$475

SPECIAL MEDICAL STUDENT, PA AND RT PRICING

- ☐ 2 Days (Lecture Only) \$295

INCLUDES ELECTRONIC COLOR SYLLABUS

- ☐ **ADD** Printed Color Syllabus \$95 **Advanced Purchase Only**

Total _____

Early registration is strongly suggested. There will be a \$100 surcharge for anyone registering after **NOVEMBER 14, 2019**

Name ☐ M.D. ☐ D.O. ☐ Ph.D. ☐ ARDMS ☐ RN ☐ P.A./R.A. ☐ RT ☐ Other

Company / Hospital Specialty

Group Practice Name

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Phone Email **(REQUIRED FOR ELECTRONIC SYLLABUS)**

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4 EASY WAYS TO REGISTER

WE ACCEPT



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www.UofM.edusymp.com

MAIL

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Educational Symposia
5620 West Sligh Avenue
Tampa, Florida 33634-4490

FAX

(813) 806-1001

PHONE

(813) 806-1000