Course Organization

This program has been submitted to the ASRT. The number of ACE credits will be available approximately 30 days prior to the meeting. Please visit www.UofM.edusymp.com or call (813) 806-1000 for more information.

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)™.

Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Fees:

A credit card is required to guarantee your reservation.

DEPOSIT POLICY: A 50% deposit is required to guarantee your registration. Full payment is due 4 weeks prior to the meeting.

CANCELLATION POLICY: All cancellations, without refund, must be received in writing. A $50 processing fee will be applied to all cancellations. A $50 processing fee will be applied to all cancellations. No refunds will be made on or after that date.

Target Audience

This CME activity is primarily designed to educate radiologists, radiation oncologists, sports medicine physicians, technologists, and others in the field of musculoskeletal medicine.

Scientific Sponsor

Educational Symposia

Musculoskeletal Ultrasound Course

Upper and Lower Extremities - The Michigan Difference

October 20 - 21, 2018
University of Michigan Medical School
Danto Auditorium located within the Cardiovascular Center
Ann Arbor, MI

12.75, AMA PRA Category 1 Credit(s)™

About The Meeting

The two-day course will provide dedicated instruction in musculoskeletal ultrasound of the upper and lower extremities including intrinsic, ligamentous, and surrounding hand/wrist and foot/ankle structures. The focus 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.

Certification

ARDMS Sonography Technologies - AMA PRA Category 1 Credit(s)™ require the completion of the Accredited Continuing Education Evaluation Model System (ACEEMS) Checklist of the American Registry for Diagnostic Medical Sonography (ARDMS). This service is not affiliated with or endorsed by ARDMS.

Educational Objectives

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

• 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.

• Describe the components of upper and lower extremity ultrasound techniques.

• Recognize common pathology of the upper and lower extremity as seen with ultrasound.

• Utilize ultrasound to assess the upper and lower extremities.

• Demonstrate the ultrasound probes and ultrasound transducers.

• Fill out an ACR appropriateness criteria form.

• Differentiate between diagnostic ultrasound and therapeutic ultrasound.

• Distinguish among the different imaging techniques for the upper and lower extremities.

• Describe the components of upper and lower extremity ultrasound techniques.

• Identify major anatomical structures of the upper and lower extremities using ultrasound.

• Understand common pathology of the upper and lower extremity as seen with ultrasound.

No special educational preparation is required for this CME activity.

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

About The Meeting

The two-day course will provide dedicated instruction in musculoskeletal ultrasound of the upper and lower extremities including intrinsic, ligamentous, and surrounding hand/wrist and foot/ankle structures. The focus 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.

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No special educational preparation is required for this CME activity.

Reducing your mail clutter or just add email announcements. Please visit the “Mailing List” section of our website at www.edusymp.com.
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 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 October 11, 2018. 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.

There is no refund after October 11, 2018. A $50 processing fee will be applied to all cancellations. Refunds requested in writing prior to September 21, 2018 will be issued for the amount of tuition paid less the $50 processing fee. No refunds will be made on or after that date.

Cancellation Policy

All cancellations, arrival and departure date changes must be made 24 hours in advance. A $50 processing fee will be assessed for cancellations made after this time. Cancel in time to receive a full refund.

Hotel Details

Holiday Inn® Near the University of Michigan

- HOTEL TAX: 11%
- HOTEL CUT-OFF DATE: OCTOBER 4, 2018
- Non-Smoking Property
- COMPLIMENTARY SHUTTLE: Runs approximately 30 minutes prior to the meeting. Pick-up at the Holiday Inn®. Please call (734) 769-9800  and identify yourself as a registrant of “University of Michigan MSK Seminar” to receive the complimentary shuttle service.

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)™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

About the Meeting

The 2-day course will provide dedicated instruction in musculoskeletal ultrasound of the upper and lower extremities including ultrasensitive and experienced 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, ankles, and feet will also be included.

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

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)™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Accreditation

Technologies: This program has been submitted to the ARRS. The number of CME credits will be available approximately 30 days prior to the meeting. Please visit www.arrs.com as soon as possible after the availability of Category A CME credits.

ARDMS Sonographer Technologies: ARMS PRA Category 1 Credit(s)™ must meet the requirements of the Accredited Continuing Education Evaluation Model (ACEEM) Checklist of the American Registry for Diagnostic Medical Sonography (ARDMS).

This service is not affiliated or endorsed by ARDMS.

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 examinations.
- Identify major anatomic structures of the upper and lower extremity using ultrasound.
- Recognize common pathology of the upper and lower extremity area with ultrasound.

Special educational preparation is required for this CME activity.

Course Co-Directors

Girish Gandikota, M.D., University of Michigan
Jon A. Jacobson, M.D., University of Michigan

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MUSCULOSKELETAL ULTRASOUND COURSE

Upper and Lower Extremities - The Michigan Difference

October 20 - 21, 2018
University of Michigan Medical School
Danto Auditorium located within the Cardiovascular Center
Ann Arbor, MI

12.75 AMA PRA Category 1 Credit(s)™

HOTEL TAX: 11%
HOTEL CUT-OFF DATE: OCTOBER 4, 2018
Non-Smoking Property
COMPLIMENTARY SHUTTLE: Runs approximately 30 minutes prior to the meeting. Pick-up at the Holiday Inn®. Please call (734) 769-9800  and identify yourself as a registrant of “University of Michigan MSK Seminar” to receive the complimentary shuttle service.

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)™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

About the Meeting

The 2-day course will provide dedicated instruction in musculoskeletal ultrasound of the upper and lower extremities including ultrasound sensitive and experienced 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, ankles, and feet will also be included.

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

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)™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Accreditation

Technologies: This program has been submitted to the ARRS. The number of CME credits will be available approximately 30 days prior to the meeting. Please visit www.arrs.com as soon as possible after the availability of Category A CME credits.

ARDMS Sonographer Technologies: ARMS PRA Category 1 Credit(s)™ must meet the requirements of the Accredited Continuing Education Evaluation Model (ACEEM) Checklist of the American Registry for Diagnostic Medical Sonography (ARDMS).

This service is not affiliated or endorsed by ARDMS.

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 examinations.
- Identify major anatomic structures of the upper and lower extremity using ultrasound.
- Recognize common pathology of the upper and lower extremity area with ultrasound.

Special educational preparation is required for this CME activity.

Course Co-Directors

Girish Gandikota, M.D., University of Michigan
Jon A. Jacobson, M.D., University of Michigan

© 2018 Educational Symposia

MUSCULOSKELETAL ULTRASOUND COURSE

Upper and Lower Extremities - The Michigan Difference

October 20 - 21, 2018
University of Michigan Medical School
Danto Auditorium located within the Cardiovascular Center
Ann Arbor, MI

12.75 AMA PRA Category 1 Credit(s)™
Course Overview

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 ultrasonic 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 ultrasound of joints, tendons, muscles, ligaments, and peripheral nerves. Imaging of inflammatory arthritis and an overview of ultrasound-guided procedures of the hip, knee, and foot will also be included.

Educational Objectives

Attendees should, at the completion of this course, be able to:
- 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.
- Describe the components of upper and lower extremity ultrasound techniques.
- Identify major anatomic 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.

Courses Available

Ultrasound Course for ARTEM Sonographer Technologists:

This program has been submitted to the ASRT. The number of ACE 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 credits.

ARDMS Sonographer Technologists: ARM/PRU Category 1 Credit(s)TM must meet the requirements of the Accredited Continuing Education Model Evaluation System (ACEEMS) Checklist of the American Registry for Diagnostic Medical Sonography (ARDMS). This service is not affiliated with or endorsed by ARDM.

Accreditation

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.

Scientific Sponsor

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 ultrasonic 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 ultrasound of joints, tendons, muscles, ligaments, and peripheral nerves. Imaging of inflammatory arthritis and an overview of ultrasound-guided procedures of the hip, knee, and foot will also be included.

Target Audience

This CME activity is primarily designed to educate radiologists, rheumatologists, orthopedists, sports medicine physicians, and surgeons in the field of musculoskeletal ultrasound.

Course Co-Directors:

Girish Gandikota, M.D., University of Michigan
Ann A. Jacobson, M.D., University of Michigan

© 2018 Educational Symposia
Program Co-Directors:
Girth Gandikota, M.D.
Jon A. Jacobson, M.D.

Cardiovascular Center • Danto Auditorium
Detroit, MI

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School Head, Division of Musculoskeletal Radiology
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Director, Division of Musculoskeletal Radiology
Professor of Radiology
Jon A. Jacobson, M.D.
Clinical Associate Professor
Girish Gandikota, M.D.

Saturday, October 20, 2018
7:48 – 7:53 AM Registration and Continental Breakfast for Registrants
7:30 – 7:40 Welcome and General Information
7:45 – 8:00 Image Optimization and Introduction

8:00 – 8:10 Ultrasound – Technique
8:15 – 8:30 The Biceps-Cuff Technique
8:30 – 8:45 Scanning Outside the Cuff
8:45 – 9:00 Live Scanning Demonstration – Mussel
9:00 – 10:30 Hands-On Workshop – Shoulder Ultrasound
10:30 – 10:40 Coffee Break for Registrants
10:40 – 11:00 Elbow Scanning – Technique
11:00 – 11:15 Joint, Bursa and Nerve Pathology
11:15 – 12:00 Live Scanning Demonstration – Elbow
12:00 – 12:30 PM Lunch (provided)

Saturday, October 20, 2018 (continued)
1:30 – 1:40 Scanning Technique – Wrist & Hand
1:45 – 2:00 Joint Pathology, Screening for Synovial Fluid Hydran (Dr. Jacobson, M.D.)
2:05 – 2:25 Live Demonstration – Wrist & Hand
2:30 – 2:55 Hands-On Workshop – Wrist & Hand
3:20 – 4:00 Coffee Break for Registrants
4:00 – 4:10 Scanning Technique – Knee
4:15 – 4:35 Joint and Bursa Pathology (Dr. Kim, M.D.)
4:35 – 4:45 Tennis Pathology, Elbow (Dr. Meyer, M.D.)
4:45 – 5:00 Live Demonstration – Knee (Dr. Jacobson, M.D.)
5:00 End of Session

Sunday, October 21, 2018
7:48 – 7:53 AM Continental Breakfast for Registrants
7:30 – 7:45 Scanning Technique – Ankle & Foot
7:45 – 8:10 Joint, Ligament Pathology, Nerve Entrapments
8:15 – 8:30 Tennis Pathology, Ankle & Foot
8:30 – 8:50 Live Demonstration – Ankle & Foot
8:50 – 9:30 Hands-On Workshop – Ankle & Foot
9:30 – 10:15 Coffee Break for Registrants
10:15 – 10:50 Scanning Technique – Hip
10:50 – 11:00 Joint, Bursa Pathology (Dr. Kim, M.D.)
11:00 – 11:15 Greater Trochanter Pain Syndrome, Hamstring Pathology (Dr. Jacobson, M.D.)
11:15 – 12:05 Hands-On Workshop – Hip and Knee
12:05 – 1:00 Question and Answer Session (Dr. Jacobson, M.D.)
1:00 End of Course

Faculty & topics subject to change.

REGISTER ONLINE: www.UofM.Edusymp.com
Suggested for registrants who are developing scanning techniques and protocols.
SPECIAL MEDICAL STUDENT, PA AND RT PRICING
Suggested for registrants who have attended prior musculoskeletal ultrasound courses, who are able to demonstrate normal anatomy, and who are comfortable with pathology. (i.e. those who have scanned >10 patients)

Early registration is strongly suggested. There will be a $100 surcharge for anyone registering after OCTOBER 11, 2018

Meal (provided)
Continental Breakfast
Lunch
Dinner
Three-Person Room
Tampa, Florida  33634-4490
Educational Symposia
UMMSK18

813) 806-1000
FAX: (813) 806-1001

Early registration is strongly suggested. There will be a $100 surcharge for anyone registering after OCTOBER 11, 2018
Saturday, October 20, 2018
7:00 – 7:39 AM  Registration and Continental Breakfast for Registrants
7:30 – 7:40 AM Welcome and General Information
7:45 – 8:00 AM Image Optimization and Introduction

8:00 – 8:10 AM Elbow Scanning - Technique
8:10 – 8:30 AM The Biceps Cuff - Technique
8:30 – 8:45 AM Scanning Outside the Cuff
8:45 – 9:00 AM Live Scanning Demonstration - Elbow
9:00 – 10:00 AM Hands on Workshop - Elbow Anatomy
10:00 – 10:30 AM Coffee Break for Registrants
10:30 – 10:40 AM Elbow Scanning - Technique
10:40 – 10:45 AM Joint, Bursa and Nerve Pathology
10:45 – 11:00 AM Live Scanning Demonstration - Elbow
11:00 – 11:15 AM Tendon Pathology - Tendinitis
11:15 – 11:45 AM Live Scanning Demonstration - Elbow
11:30 – 12:30 PM Hands on Workshop - Elbow Anatomy
12:30 – 1:30 PM Lunch (provided)

Sunday, October 21, 2018
7:00 – 7:39 AM  Continental Breakfast for Registrants
7:30 – 7:45 AM Scanning Technique - Wrist & Hand
7:45 – 8:10 AM Joint Pathology, Screening for Synovial Puffy Hynes
8:10 – 8:30 AM Tendon Pathology, Carpal Tunnel Syndrome
8:30 – 8:50 AM Live Demonstration - Wrist & Hand
8:50 – 9:00 AM Hands on Workshop - Wrist & Hand
9:00 – 10:00 AM Coffee Break for Registrants
10:00 – 10:15 AM Scanning Technique - Knee
10:15 – 10:45 AM Joint and Bursa Pathology
10:45 – 11:00 AM Tendon Pathology, Lateral Patellar
11:00 – 11:15 AM Live Demonstration - Knee
11:15 – 12:15 PM Hands on Workshop - Knee and Hip
12:15 – 1:00 PM Question and Answer Session
1:00 – 2:00 PM End of Course

Hand in Hand - Elbow
All Hands-On Workshops and Live Demonstrations
Joint, Bursa and Nerve Pathology
classes are hands-on workshops and live
demonstrations.

-Marking the tip of the biceps tendon as it exits
the bicipital groove (also known as the
"biceps origin"

-Marking the joint capsule landmarks and palpating
the posterior intermuscular septum.

-Identifying the common flexor tendon in elbow
Masaaki Tanabe, M.D.
Professor of Radiology
University of Michigan

-Marking the joint capsule landmarks and palpating
the posterior intermuscular septum.

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