

Musculoskeletal Ultrasound Workshop

Opportunities for beginner to advanced

September 10 – 12, 2015

Hilton Garden Inn Cleveland Downtown | Cleveland, OH

Register Today! ccfcme.org/ultrasound



Features:

- Cadaveric and tissue labs to help improve your joint aspiration and injection skills
- Learn how to optimize ultrasound machine settings
- Improve your diagnostic skills using live models
- Taught by leading multidisciplinary staff
- Extensive hands-on exposure in small groups



Special Guest Speaker

Marnix van Holsbeeck, MD
Henry Ford Hospital



Attend this Cleveland Clinic Musculoskeletal Ultrasound Workshop

This three-day educational activity offers didactic lectures, demonstrations, and hands-on labs which will provide practitioners a unique forum in which to advance their competence and skills to use ultrasound for diagnostic and interventional procedures.

Expert faculty will present the evidence base via interactive live discussions followed by both cadaver and live-model workshops in which participants will engage in supervised, hands-on training. These workshops enable faculty to instruct participants in small group stations on optimal use of newest devices, techniques, and procedures.

By Attending, You Will Learn How To:

- Describe normal sonographic anatomy in shoulder, elbow, wrist, and hip joints
- Demonstrate use of ultrasound to identify targets for injection and to guide needle placement in cadavers
- Perform hands on scanning with multiple machine types and configurations
- Identify pathology on live volunteers with known abnormalities
- Apply ultrasound techniques in advanced musculoskeletal treatments such as prolotherapy, platelet-rich-plasma injections, stem cell therapy, chemodenervation/botulinum toxin, hydrodissection, and tenotomy
- Perform appropriate documentation and billing for diagnostic and interventional ultrasound

In the Optional Introductory Workshop, You Will Learn How To:

- Optimize ultrasound machine settings for diagnostic and interventional techniques
- Select appropriate transducers depending on body region to be imaged
- Properly handle and apply transducers for diagnostic and interventional applications
- Use sonographic appearance of normal tissues to differentiate between muscle, tendon, ligament, and cartilage
- Identify common musculoskeletal structures in superficial joints such as knees, feet, elbow, and wrists
- Identify and guide needles in gelatin models with both in-plane and out-of-plane techniques

Who Should Attend

Physicians in orthopaedic surgery, pain management, physical medicine, primary care, radiology, rehabilitation, rheumatology, and sports medicine, as well as allied health professionals, nurses, physician assistants, and podiatrists will benefit by attending this workshop.

Activity Directors

Michael P. Schaefer, MD, R-MSK
Director, Musculoskeletal PM&R
Physical Medicine and Rehabilitation
Neurological Institute
Orthopaedic and Rheumatologic Institute
Cleveland Clinic

Patricia Delzell, MD
Director, Musculoskeletal Ultrasound
Department of Musculoskeletal Radiology
Imaging Institute
Cleveland Clinic

Guest Faculty

Steven W. Brose, DO
Assistant Professor
Case Western Reserve University
School of Medicine
Department of PM&R
Louis Stokes Cleveland VA
Medical Center
Cleveland, OH

Kermit Fox, MD
Assistant Professor
Case Western Reserve University
School of Medicine
Department of PM&R
MetroHealth
Cleveland, OH

Sandra Hearn, MD
Assistant Professor
Case Western Reserve University
School of Medicine
Department of PM&R
MetroHealth
Cleveland, OH

Mark Kasmer, MD, CAQSM
Director, PCA Center for Sports and
Musculoskeletal Medicine
Salem, VA

Joseph C. McGinley, MD, PhD
Adjunct Clinical Instructor, Department
of Radiology
Stanford University
Chief Executive Officer, McGinley
Orthopaedic Innovation
Casper, WY

Marnix van Holsbeeck, MD
Director of Radiology,
Orthopaedic Surgery
Henry Ford Hospital
Detroit, MI

Cleveland Clinic Faculty

Matthew Bunyard, MD
Department of Rheumatologic and
Immunologic Disease
Orthopaedic and Rheumatologic
Institute

Soumya Chatterjee, MD
Department of Rheumatologic and
Immunologic Disease
Orthopaedic and Rheumatologic
Institute

Carly Day, MD
Orthopaedic and Rheumatologic
Institute – Sports Health (PM&R)

Richard Figler, MD
Orthopaedic and Rheumatologic
Institute – Sports Health

Victor Foorsov, MD
Fellow
Physical Medicine and Rehabilitation
Anesthesiology Institute

Michael Forney, MD
Department of Musculoskeletal
Radiology
Imaging Institute

Jason Genin, DO
Orthopaedic and Rheumatologic
Institute – Sports Health

Kim Gladden, MD
Orthopaedic and Rheumatologic
Institute – Sports Health (PM&R)

Laura Goldberg, MD
Orthopaedic and Rheumatologic
Institute – Sports Health

Kush Goyal, MD
Center for Spine Health
Neurological Institute

Gregory Harkey, MD
Department of Regional Radiology
Imaging Institute

Susan Joy, MD
Orthopaedic and Rheumatologic
Institute – Sports Health

Meredith Konya, MD
Orthopaedic and Rheumatologic
Institute (PM&R)

Evan Peck, MD
Department of Orthopaedic Surgery
Cleveland Clinic Florida

Bradley Pierce, MD
Orthopaedic Surgery
Orthopaedic and Rheumatologic
Institute

Joshua Polster, MD
Department of Musculoskeletal
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Jean Schils, MD
Section Head
Department of Musculoskeletal
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Claus Simpfendorfer, MD
Department of Musculoskeletal
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Imaging Institute

Naveen Subhas, MD
Department of Musculoskeletal
Radiology
Imaging Institute

Agenda

Thursday, September 10, 2015

Pre-Conference Optional Introductory Workshop

(Additional Registration Required)

- 6:30 pm Registration
- 7:00 pm Introduction
Michael P. Schaefer, MD
- 7:10 pm Instrumentation and Knobology
Naveen Subhas, MD
- 7:30 pm Ultrasound Guided Intervention Basics and Needle Visualization
Michael Forney, MD
- 7:50 pm Hands-On Scanning Stations
- 8:30 pm Adjourn

Friday, September 11, 2015

- 7:00 am Registration, Continental Breakfast, Visit Exhibits
- 7:30 am Overview
Michael P. Schaefer, MD
- 7:40 am Diagnostic and Interventional Musculoskeletal Ultrasound in Sports Medicine
Michael P. Schaefer, MD
- 8:00 am Group 1 Bus Departs for Cadaver Lab
Group 2 Begins Scanning Stations

	Group 1		Group 2	
	Group 1A	Group 1B	Group 2A	Group 2B
8:30 am	Lab Classroom Hands-on Demonstrations and Live Scanning (Elbow)	Cadaver Stations	Shoulder, Hands, and Wrist Demonstrations and Scanning Stations	
10:00 am	Break			
10:30 am	Cadaver Stations	Lab Classroom Hands-on Demonstrations and Live Scanning (Elbow)	Scanning Stations (Continued)	
12:00 pm	Bus Returns to Hotel		Lunch	
1:00 pm	Lunch		Depart for Lab	
1:30 pm	Shoulder, Hands, and Wrist Demonstrations and Scanning Stations		Lab Classroom Hands-on Demonstrations and Live Scanning (Elbow)	Cadaver Stations
3:00 pm	Break			
3:30 pm	Scanning Stations (Continued)		Cadaver Stations	Lab Classroom Hands-on Demonstrations and Live Scanning (Elbow)
5:00 pm	Adjourn		Bus Returns to Hotel/Adjourn	

* Morning and afternoon breaks in the hotel will allow attendees to visit exhibitors.

Saturday, September 12, 2015

Advanced Diagnostic Scanning and Therapeutic Techniques

7:30 am	Registration, Continental Breakfast, Visit Exhibits
8:00 am	Hip, Groin, and Beyond <i>Marnix van Holsbeeck, MD</i>
9:00 am	Adult Lateral and Posterior Hip Ultrasound Anatomy and Pathology <i>Patricia Delzell, MD</i>
9:30 am	Hydrodissection of Nerve Entrapments <i>Patricia Delzell, MD</i>
10:00 am	Refreshment Break/Visit Exhibits
10:20 am	Ultrasound Guided Non-Surgical Treatment of Chronic Exertional Compartment Syndrome <i>Joseph C. McGinley, MD, PhD</i>
11:20 am	Ultrasound Guided Prolotherapy/PRP/Stem Cell Treatments of MSK Pathology <i>Jason Genin, DO</i>
11:40 am	Ultrasound Guided Tenotomy Treatments <i>Michael Forney, MD</i>
11:50 am	Billing and Documentation for Ultrasound Guided Diagnostic and Therapeutic Studies <i>Michael P. Schaefer, MD</i>
12:00 pm	Lunch
1:00 pm	Optional Hands-on Scanning with the Experts Intermediate or Advanced Level Learners Only (Registration Required – No additional fee)
3:00 pm	Adjourn

Two Ways to Register



ONLINE

ccfcme.org/ultrasound

Cleveland Clinic employee fees and registration are available online only.



BY MAIL

The Cleveland Clinic Educational Foundation
PO Box 931653, Cleveland, OH 44193-1082

Registration form can be downloaded from the course website

Fee includes: Daily continental breakfast, breaks, lunches, and faculty PowerPoint presentations in PDF format available online.

	Course Fee	Optional Thursday Workshop
Physician	\$1,199	\$199
CCF Alumnus	\$1,079	\$199
Resident*/Fellow*	\$599	\$199
Nurse/Non Physician	\$599	\$199

*Letter from program director is required to receive the discounted fee. If letter is not received two weeks prior to the activity, the full physician fee will be charged.

Visit **www.ccfcme.org/ultrasound** for complete registration information.

Cleveland Clinic Center for Continuing Education reserves the right to cancel or postpone an activity at our sole discretion. In the unlikely event that this occurs, any registration fee(s) paid will be refunded. Be advised that Cleveland Clinic is not responsible for related costs including airline tickets, hotel costs, or any similar fee penalties incurred as a result of any trip cancellations or changes.

General Information

Location

Hilton Garden Inn Cleveland Downtown
1100 Carnegie Avenue
Cleveland, OH 44115
Phone: 216. 216.658.6400

Hotel Accommodations

A limited block of rooms has been reserved at the Hilton Garden Inn Cleveland Downtown until August 11, 2015.

To make your reservations, contact the Hotel Reservations Department at 216.658.6400. Identify yourself as an activity attendee for the Cleveland Clinic Musculoskeletal Ultrasound for a special rate of \$139 plus tax.

Things to Do in Cleveland

- **Cleveland Indians** take on the Detroit Tigers Thursday – Sunday. Make plans with colleagues to spend an evening at the ballpark...and only 1 block from our hotel! Tickets available at Indians.com.
- **Horseshoe Casino** is a full service casino located in downtown Cleveland including slot machines, table games, and a Poker room: horseshoecleveland.com.
- **Historic Warehouse District** home to upscale restaurants such as Johnny's Downtown, Blue Point, and Taza, as well as nightlife are sure to get you to enjoy Cleveland: warehousedistrict.org.
- **East Fourth Street District** is home to comedy club and restaurant Pickwick & Frolic, House of Blues, Chinato's, Corner Alley (bowling), and Lola (home of Iron Chef Michael Symon). You'll definitely enjoy your evening here: east4thstreet.com.
- **Playhouse Square Theater District** is the second largest performing arts center in the country: playhousesquare.org.
- **North Coast Harbor** is the location of the Rock and Roll Hall of Fame & Museum as well as the Great Lakes Science Center. Nearby is the Cleveland Aquarium: rockhall.com, greatscience.com, and greaterclevelandaquarium.com.

Visit www.positivelycleveland.com for a complete list of events and attractions.

Parking

Parking is available at the Hilton Garden Inn Cleveland Downtown at prevailing rates.

Information

For further information about this activity, contact the Cleveland Clinic Center for Continuing Education.

Local: 216.448.0770
Toll Free: 800.238.6750
Website: ccfcme.org/ultrasound

Recording or reproducing of this activity in any format is prohibited.



Registration and Cancellation

Preregistrations are accepted until 2:00 pm ET September 8, 2015. Register on site after this date. No cancellations will be accepted after September 1, 2015. Due to limited capacity, all cancellations after September 1 will be charged \$500.

For questions about registration or cancellation, email us at cmeregistration@ccf.org or call 216.448.0777.

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Accreditation

The Cleveland Clinic Foundation Center for Continuing Education is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The Cleveland Clinic Foundation Center for Continuing Education designates this live activity for a maximum of 13.75 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Participants claiming CME credit from this activity may submit the credit hours to the **American Osteopathic Association** for Category 2 credit.

Faculty Disclosure

The Cleveland Clinic Foundation Center for Continuing Education has implemented a policy to comply with the current Accreditation Council for Continuing Medical Education Standards for Commercial Support requiring resolution of all faculty conflicts of interest. Faculty declaring a relevant commercial interest will be identified in the activity syllabus.

Americans with Disabilities Act

The Cleveland Clinic Foundation Center for Continuing Education fully intends to comply with the legal requirements of the Americans with Disabilities Act. If you need assistance, please notify us at least two weeks prior to the activity.

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