<table>
<thead>
<tr>
<th>Time</th>
<th>Event Description</th>
<th>Presenter(s)</th>
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<tbody>
<tr>
<td>7:00</td>
<td>Registration and Breakfast</td>
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<tr>
<td>8:00</td>
<td>Principles of Musculoskeletal Ultrasound</td>
<td>Shaprio</td>
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<td>Station 4: Percutaneous Needle Tenotomy and Ultrasound Debridement</td>
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<td>6:00</td>
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<td>7:00</td>
<td>Breakfast</td>
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The Advanced MSK Ultrasound Skills Course

Focus on Regenerative Medicine

Ultrasound for diagnosis and image guided intervention requires a high degree of skill to navigate sonoanatomy and perform complex procedures. In addition to training in both basic and advanced musculoskeletal intervention, participants will learn about the emerging field of Regenerative Medicine and Human Cell Therapy for musculoskeletal disease. Each participant receives personalized hands-on instruction from ultrasound experts using human cadavers to practice interventional procedures. The primary audience is Physical Medicine and Sports Medicine physicians, Radiologists, Sonographers, Orthopedic Surgeons, Rheumatologists and PAs.

Educational Objectives

After attending The Advanced MSK Ultrasound Skills Course participants will be able to:

- Understand the application and indications for use of ultrasound guided interventions for Orthopedic, Sports Medicine, Physical Medicine and Rheumatologic disease.
- Perform shoulder, elbow, wrist/hand, hip, knee, foot and ankle injections using ultrasound guidance.
- Understand the emerging field of Regenerative Medicine and its evidence-based applications to musculoskeletal pathology.
- Incorporate novel regenerative joint and tendon procedures into a musculoskeletal practice.
- Practice ultrasound guided injection techniques for the upper and lower extremity as well as bone marrow aspiration on cadaver models.

Faculty

COURSE CHAIR
Shane A. Shapiro MD, RMSK
Assistant Professor
Mayo Clinic College of Medicine
Department of Orthopedic Surgery
Team Physician, University of North Florida
Jacksonville, FL

LECTURE FACULTY
Tariq M. Awan DO
Assistant Professor
Department of Orthopedic Surgery
University of Michigan
University of Michigan MedSport
Ann Arbor, MI

Joanne Borg-Stein MD
Associate Professor
Associate Chair of Sports and Musculoskeletal Rehabilitation
Department of PM&R, Harvard Medical School
Medical Director, Spine Center and Chief of PM&R, Newton-Wellesley Hospital
Newton, MA

Kenneth Mautner MD
Assistant Professor
Department of Physical Medicine and Rehabilitation
Department of Orthopedic Surgery
Director of Primary Care Sports Medicine
Emory University
Team Physician Emory University
Atlanta, GA

The lecture faculty above are joined by additional instructors, as needed, to provide small group individualized hands-on instruction.

CME Information: The Institute for Advanced Medical Education is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians. The Institute for Advanced Medical Education designates this live activity for a maximum of 13 AMA PRA Category 1 Credits. Physicians should only claim credit commensurate with the extent of their participation in the activity.
Chicago, IL– April 28-29, 2017

This course will be held in downtown Chicago at Northwestern Simulation on the campus of the Northwestern University School of Medicine, with hotel accommodations a few steps away at the Hyatt Chicago Magnificent Mile.

ABOUT THE VENUE

COURSE VENUE
Northwestern Simulation
McGaw Pavilion
Suite 1-200
240 E. Huron Street,
Chicago, IL 60611

HOTEL ACCOMMODATIONS
Hyatt Chicago Magnificent Mile
633 North Saint Clair Street
Chicago, IL 60611
Rate: $215 Deluxe Accommodations plus applicable taxes
Reservations: 800-916-4339 or 312-787-1234 and specify IAME meeting
Cut-off Date: April 6, 2017

Our block is based on a limited number of rooms. Neither IAME nor the hotel can guarantee that these rooms will not sell out prior to the stated deadlines. To avoid disappointment, we encourage you to book early.

**AGENDA**

**Day 1**  
7:00 AM  Registration and Breakfast  
8:00 AM  Principles of Musculoskeletal Ultrasound – Shapiro  
8:15 AM  Diagnostic Ultrasound of the Shoulder and Shoulder Pathology – Awan  
8:30 AM  Ultrasound Guided Shoulder Interventions – Awan  
8:45 AM  Regenerative Medicine in 2017 – What Are We Talking About? – Shapiro  
9:15 AM  Question and Answer Session and Coffee Break  
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9:45 AM  Ultrasound Guided Knee Interventions – Monaco  
10:00 AM  Regenerative Medicine for Tendon and Ligament Disorders (Prolotherapy, PRP, Needle Tenotomy) – Borg-Stein  
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11:00 AM  Ultrasound Guided Bone Marrow Aspiration (ASIS, PSIS, Iliac Crest) – Shapiro  
11:20 AM  Regenerative Medicine and Stem Cell for Joint/Articular Cartilage Disorders – Borg-Stein  
11:50 AM  Question and Answer Session  
12:00 PM  Lunch Provided  
1:00 PM  Hands on Cadaver Station  
     Station 1: Upper Extremity  
     Station 2: Lower Extremity  
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     Station 4: Percutaneous Needle Tenotomy and Ultrasonic Debridement  
6:00 PM  Adjourn  

**Day 2**  
7:00 AM  Breakfast  
8:00 AM  Diagnostic Ultrasound of Foot and Ankle Pathology – Shapiro  
8:15 AM  Ultrasound Guided Foot and Ankle Interventions – Shapiro  
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12:30 PM  COURSE ADJOURNS
The Advanced MSK Ultrasound Skills Course

Chicago (postmarked by April 7)
☑ $1945 Physicians and PAs
☑ $1095 Residents/Fellows/Active Military (verification required); Technologists
Please add $40 if postmarked after April 7

Name
MD
DO
Other
Specialty

Address

City State Zip

Work Phone Number Home Phone Number

Fax Number E-mail

Note: Cancellations for these courses received in writing up to two weeks prior to the course will receive a refund minus a $50 processing fee. There will be no refunds after that date. Refunds will not be given to “no shows.”

To Register
Online iame.com/MSK
by Telephone (802) 824-4433
by Fax (802) 824-3737
by Mail 3590 Route 100, South Londonderry, VT 05155

Payment by Check
Make check or money order payable (in U.S. funds drawn on a U.S. bank) to IAME and mail to: IAME, 3590 Route 100, South Londonderry, VT 05155

Payment by Credit Card
☑ MasterCard ☑ VISA ☑ Discover (include cardholders 3 digit security code)

Card Number Expiration Date Security Code

Cardholder’s Name (Please print)

Billing Address Billing Zip

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12:30 PM Course Adjournment