

## Outline

### Musculoskeletal (MSK) Ultrasound versus Traditional Imaging: What You Need to Know

Dynamic vs static imaging  
Differentiation of solid vs fluid  
Identifying full and partial tears  
Live bilateral analysis  
Diagnosing via MSK ultrasound

### Physics and Instrumentation

Equipment calibration and knobology  
Determining appropriate transducer  
Choosing a device to best fit your needs

### Sonographic Structure for Evaluation

Ideal patient positioning  
Protocol for probe placement and pressure  
Screen orientation

### Regional Imaging Approaches for Your Patients: **Hands on labs!**

Shoulder  
Elbow/Wrist  
Knee  
Foot/Ankle  
Hip

Within each region, we will cover:

- Step by step guide for evaluation
- Optimal patient positioning
- Protocol for scanning
- Quick tips for each region
- Identifying the cause of restriction/pain/limitation

### New Concepts for Ultrasound-Guided Therapeutic Interventions

Integration of data

Risks and Limitations

- When to proceed with additional imaging
- Billing and Coding
- Importance of practice with techniques

### Live Seminar Schedule

**7:30** Registration/Morning Coffee & Tea

**8:00** Program begins

**11:50-1:00** Lunch (*on your own*)

**4:00** Program ends

There will be two 15-min breaks (mid-morning & mid-afternoon). Actual lunch and break start times are at the discretion of the speaker.  
A more detailed schedule is available upon request.



PESI Inc. is proud to offer this seminar (at these locations only) free of charge (on live seminar tuition) for veterans and active duty military personnel. **Limited seats available; advance online registration required.**

## Objectives

1. Examine the role of ultrasound in the clinical setting as a diagnostic screening tool
2. Evaluate the principles of ultrasound physics, terminology and knobology
3. Apply appropriate probe selection and placement as related to clinical evaluation
4. Demonstrate shoulder exam techniques
5. Perform a complete elbow or wrist exam
6. Integrate protocol to perform a comprehensive knee exam
7. Assess foot and ankle complex via ultrasound exam

## What to wear:

Wear lab appropriate loose clothing that allows for access to the skin for practice with the device.

**Target Audience:** PTs • DCs • PAs • Orthopedic nurses



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# Diagnostic Musculoskeletal Ultrasound Certificate Course

Discover the core issues faster with in-clinic imaging!

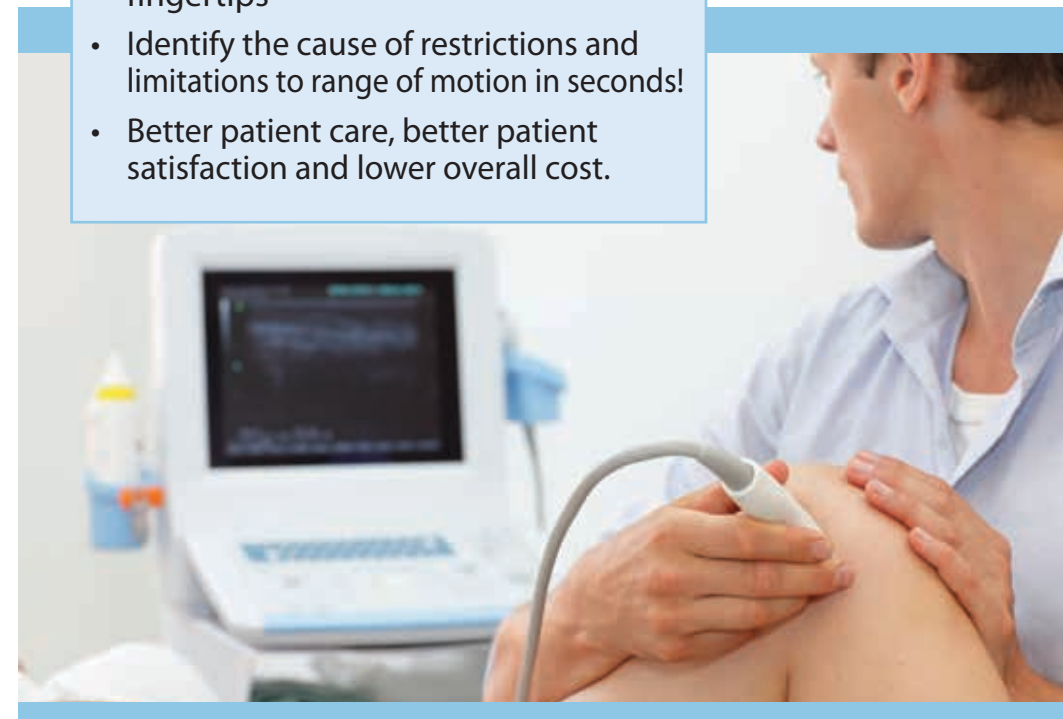
**Brooklyn Center, MN**  
Monday, September 16, 2019

**Lake Elmo, MN**  
Tuesday, September 17, 2019

# Diagnostic Musculoskeletal Ultrasound Certificate Course

Discover the core issues faster with in-clinic imaging!

- Real time, dynamic imaging at your fingertips
- Identify the cause of restrictions and limitations to range of motion in seconds!
- Better patient care, better patient satisfaction and lower overall cost.



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