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 nd active duty military personnel. *Limited seats* lable: advance online reaistration required.

Objectives

- 1. Examine the role of ultrasound in the clinical setting as a diagnostic
- 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

Target Audience: PTs • DCs • PAs • Orthopedic nurses

What to wear:

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

ONLINE COURSE

Introductory Survival Spanish for Healthcare Providers

Up to 1 CE HOUR

HURRY OFFER EXPIRES August 15, 2019

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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

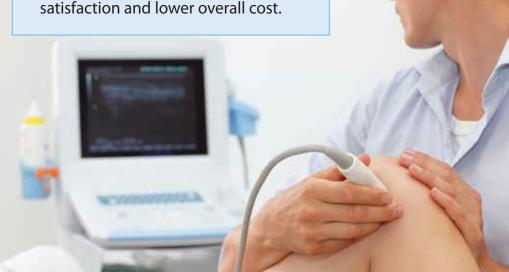
Musculoskeletal **Ultrasound Certificate Course**

Discover the core issues faster with in-clinic imaging!

 Real time, dynamic imaging at your fingertips

Diagnostic

- Identify the cause of restrictions and limitations to range of motion in seconds!
- Better patient care, better patient satisfaction and lower overall cost.



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!

Your post-surgical patient comes in worried because they "felt a pop" yesterday when they were performing an activity. They've been in pain ever since and everyone is worried that there is damage to the surgical site.

What if you had the ability to do diagnostic quality imaging in your clinic right away? Because of advancements in technology, ultrasound devices are now affordable and will enhance your patient experience across the spectrum. When you perform a consultation for a new patient with shoulder issues, is it just bursitis? Or is it something more serious that requires a referral? Skip the frustration and move straight to clarity.

Imagine if you had the ability to identify tissue dysfunction on the spot! MSK ultrasound gives you the ability to take off the blindfold that has been preventing you from dynamically observing tissues in vivo. With this technology, you will create a new standard of evaluation:

- Bilateral comparison
- Identify full/partial tears
- Locate myofascial trigger points
- · Visualize calcification
- Detect fluid in the joint space
- Pin point the source of pain

Set your services apart and triage your patients with confidence. This hands-on seminar will walk you through everything you need to know to begin using musculoskeletal ultrasound imaging.

Speaker

Jeannine Noble, PT, MS, RMSK, received her physical therapy degree at AZ School of Health Sciences (AT Still) in 1999. In the final semester of school, she was introduced to musculoskeletal ultrasound and found it to be a unique specialty in ultrasound that incorporated the anatomy background of physical therapy. Although there was very little written about musculoskeletal ultrasound in 2000, she was fortunate enough to work with physicians who saw the benefits of this new diagnostic tool. Jeannine has performed thousands of scans in multiple specialty practices including orthopedic, physical medicine and rehab and podiatry. She has also done training for several of the major ultrasound companies. She has conducted trainings for private practices and large groups. She has worked on research projects at Midwestern University, AT Still and various private entities. Most recently Jeannine and her business partner, Malka Stromer, have been working with the faculty at Midwestern and AT Still to implement a Point of Care Ultrasound (POCUS) program and a faculty development series. The goal of these programs is to introduce ultrasound to the osteopathic students and faculty and to assist them in becoming proficient users of ultrasound for basic diagnostic and interventional procedures.

Speaker Disclosures

Financial: Jeannine Noble receives a speaking honorarium from PESI, Inc. Non-financial: Jeannine Noble has no non-financial relationship to disclose.



Hassle-Free Cancellation Policy:

If you contact us before the event date, you can exchange for a DVD digital manual package on the subject (selfstudy continuing education credit may be available), a certificate to attend another

seminar, or receive a tuition refund less a \$30 cancel fee.

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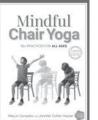
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Live Seminar Continuing Education Credit Information

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If your profession is not listed, please contact your licensing board to determine your continuing education requirements and check for reciprocal approval. For other credit inquiries not specified below, or questions on home study credit availability, please contact cepesi@pesi.com or 800-844-8260 before the event.

Materials that are included in this course may include interventions and modalities that are beyond the authorized practice of mental health professionals. As a licensed professional, you are responsible for reviewing the scope of practice, including activities that are defined in law as beyond the boundaries of practice in accordance with and in compliance with your profession's standards.

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ORTHOPAEDIC NURSES: For the most up-to-date credit information, please go to: www.pesi.com/events/ detail/72111.

PHYSICAL THERAPISTS & PHYSICAL THERAPIST ASSISTANTS: This activity consists of 6.25 clock hours of instruction that is applicable for physical therapists. CE requirements for physical therapists vary per state/ jurisdiction. Please retain the certificate of completion that you receive and use as proof of completion

MINNESOTA PHYSICAL THERAPISTS & PHYSICAL THERAPIST ASSISTANTS: This course has been submitted to the Minnesota Board of Physical Therapy for review. Credit is pending.

WISCONSIN PHYSICAL THERAPISTS & PHYSICAL THERAPIST ASSISTANTS: This course has been submitted to the Wisconsin Physical Therapy Association. Credit is pending.

PHYSICIAN ASSISTANTS: AAPA accepts certificates of participation for educational activities certified for AMA PRA Category 1[™] from organizations accredited by ACCME such as PESI. Physician assistants may receive a maximum of 6.0 hours of Category 1 credit for completing this program.

OTHER PROFESSIONS: This activity qualifies for 380 minutes of instructional content as required by many national, state and local licensing boards and professional organizations. Save your course outline and certificate of completion, and contact your own board or organization for specific requirements.

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DIAGNOSTIC MUSCULOSKELETAL ULTRASOUND CERTIFICATE COURSE: DISCOVER THE CORE ISSUES FASTER WITH IN-CLINIC IMAGING!

please print; staple duplicate forms.

Please complete entire form (to notify you of seminar changes):

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September 16, 2019

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141		

We would be happy to accommodate your ADA needs; please call at least two weeks prior to the seminar date

Walk-ins are welcome but admission cannot be guaranteed. Call M-F 7:00-6:00 Central Time for space availability if registering within one week of seminar.

TUITION OPTIONS

- FREE Military Tuition: 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
- \$30 Tuition: If you are interested in being our registration coordinator for the day, go to: www.pesirehab.com/coord for availability and job description, or call our Customer Service Dept. at 800-844-8260.
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