



# Peripheral Nerve Ultrasound with Interventional Cadaver Lab Scanning Skills Workshop

## May 20 – 21, 2024

### Monday, May 20, 2024

|       |   |
|-------|---|
| 7:45  | Welcome & Continental Breakfast   |
| 8:00  | Session 1: Hands-On Scanning Live Models – Brachial Plexus & Shoulder Nerves  |
| 9:15  | Session 2: Hands-On Scanning Live Models – Radial, Ulnar & Median Nerves  |
| 10:30 | 10 Minute Break   |
| 10:45 | Session 3: Hands-On Scanning Live Models & Phantom – Upper Extremity EMG, Needle Guidance & Upper Extremity Nerves (Choice) |
| 12:00 | Lunch (on your own)   |
| 1:00  | Session 4: Hands-On Scanning Live Models: Hip & Knee Nerves   |
| 2:15  | Session 5: Hands-On Scanning Live Models: Ankle & Foot Nerves   |
| 3:30  | 15 Minute Break   |
| 3:45  | Session 6: Hands-On Scanning Live Models & Phantom: Lower Extremity EMG, Needle Guidance & Lower Extremity Nerves (Choice)  |
| 5:00  | Adjourn   |

### Tuesday, May 21, 2024

|       |  |
|-------|--|
| 7:45  | Welcome & Continental Breakfast  |
| 8:00  | Session 1: Hands-On Scanning Live Models – Upper Extremity Nerves (Choice) |
| 9:30  | 15 Minute Break  |
| 9:45  | Session 2: Hands-On Scanning Live Models – Lower Extremity Nerves (Choice) |
| 11:30 | Lunch (provided for all Cadaver Lab participants)                          |
| 12:30 | Gown for Cadaver Lab   |
| 12:45 | Session 3: Interventional Cadaver Lab – Upper Extremity Nerves             |
| 2:45  | 15 Minute Break  |
| 3:00  | Session 4: Interventional Cadaver Lab – Lower Extremity Nerves             |
| 5:00  | Adjourn  |

\*\* This is a tentative course itinerary. Lecture faculty, content, times and dates may be subject to change. All times listed are Eastern Time (ET).



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The Gulfcoast Ultrasound Institute is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

The Gulfcoast Ultrasound Institute designates this live educational activity for a maximum of 15.0 *AMA PRA Category 1 Credits*™. Physicians should claim only credit commensurate with the extent of their participation in the educational activity.

This course also meets CME / CEU requirements for ARDMS. Note: While offering the CME credit hours noted above, activities are not intended to provide extensive training or certification for exam performance or interpretation.

### **NEEDS STATEMENT:**

The planning committee has determined a need for the following educational activity based on request from the medical community, expanded utilization of ultrasound, and lab accreditation requirements.

### **COURSE OBJECTIVES:**

At the completion of the program the participant should be able to:

1. Increase the participant's knowledge to better perform and / or interpret peripheral nerve ultrasound exams.
2. State the basic fundamentals of ultrasound physics and demonstrate appropriate optimization of system controls.
3. Recognize anatomy and ultrasound characteristics of the nerves and surrounding tissue to assist with management of focal neuropathies.
4. Assess and diagnose focal neuropathies using high frequency ultrasound techniques.
5. Outline the standard approach for common and uncommon peripheral nerve blocks and interventions.
6. Recognize muscle echo texture and anatomical localization for diagnostic purposes and therapeutic injections, including chemodenervation.
7. State the benefits of utilizing EMG/Ultrasound.
8. Outline standard approaches for performing advanced and/or regenerative nerve procedures.
9. Increase confidence to perform diagnostic and therapeutic ultrasound guidance for peripheral nerve procedures.
10. Increase confidence to incorporate protocols, scan techniques, and interpretation criteria to improve diagnostic/treatment accuracy.

While offering CME credits this activity is not intended to provide extensive training or certification for performing or interpreting peripheral nerve ultrasound examinations. We recommend working under supervised conditions until an accepted level of proficiency has been achieved.

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**Special thanks to the following ultrasound equipment manufacturers who have provided in-kind support to help make this program possible:**



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## Disclosure of Individuals in Control of Content

*In addition to the faculty listed on the previous page the following individuals are recognized by GUI as being in control of content of this program:*

**James Mateer, MD, RDMS (Medical Director-planner & QI Task Force)**

Medical Director, Gulfcoast Ultrasound Institute  
Milwaukee, WI

***No relevant financial relationships to disclose***

**Charlotte Derr, MD, RDMS, FACEP, FPD-AEMUS (Co-Medical Director-planner & QI Task Force)**

Associate Professor of Emergency Medicine  
Fellowship Director of Advanced Emergency Medicine Ultrasound Fellowship Program  
University of South Florida Morsani College of Medicine  
Tampa, FL

***No relevant financial relationships to disclose***

**Andreas Dewitz, MD, RDMS (Member of Advisory Board & QI Task Force Subcommittee)**

Clinical Professor of Emergency Medicine  
Clinical Director of POCUS Education, Solomont Simulation Center  
Department of Emergency Medicine  
Boston Medical Center  
Boston, MA

***No relevant financial relationships to disclose***

**Lori Green, BA, RDMS, RDCS, RVT (Program Director-planner, Content Reviewer, QI Task Force)**

Gulfcoast Ultrasound Institute, Inc.  
St. Petersburg, FL

***No relevant financial relationships to disclose***

**Trisha Reo, AAS, RDMS, RVT (Program Coordinator-planner, Content Reviewer, QI Task Force)**

Gulfcoast Ultrasound Institute, Inc.  
St. Petersburg, FL

***No relevant financial relationships to disclose***

### **HANDS-ON INSTRUCTORS:**

At the time of printing, **all hands-on instructors for this program have signed disclosure forms and have no relevant financial relationships to disclose.** A verbal disclosure will be made during opening remarks. All scanning sessions are monitored by the program director and/or the program manager to ensure education objectives are met and no commercial bias occurs.

### **Content:**

***All content for this CME activity were reviewed and approved by member(s) of the GUI staff to determine content validity and ensure that no conflicts of interest exist prior to final course material compilation and printing.***

Reviewed & approved:

Lori Green BA, RDMS, RDCS, RVT

Trisha Reo AAS, RDMS, RVT



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## ***Welcome!!***

The entire staff at Gulfcoast Ultrasound Institute would like to welcome you to our educational facility.

Our goal is to provide the highest quality continuing education possible in a relaxed and personal atmosphere. The content of each program has been carefully planned to provide you with the information needed to obtain a firm foundation to begin gaining the experience to perform and/or interpret ultrasound examinations in the specialty of your choice. The program will be structured with lectures in the morning and hands-on sessions during the afternoon to allow more individualized attention the program participants will be divided into groups for the hands-on workshops based on your experience level and type of equipment you work with.

*To help you get the most out of this program we would like to make the following recommendations:*

1. Attend the lectures and scheduled hands-on sessions.
2. When you are not involved in a scheduled afternoon session, take advantage of the SUPPLEMENTAL SCANNING WORKSHOP or check out a DVD from our library.
3. If you do not understand a particular concept ASK FOR HELP!
4. Study your course workbook during the evening.
5. Remember excellence is not achieved overnight. Becoming proficient in any ultrasound specialty requires the commitment to continually study, and perform multiple (at least 100) exams before an initial level of confidence is achieved. The AIUM guidelines suggest competency for interpretation requires a minimum of 500 exams per specialty.
6. Begin scanning immediately upon return to the ultrasound departments even if it's on a volunteer. We recommend scanning/interpretations under supervised conditions until an accepted level of proficiency has been obtained.

All of our instructors, guest speakers and office staff are here to serve you! If you have any questions of any kind, please do not hesitate to ask.



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## ***Gulfcoast Ultrasound Institute*** **EQUIPMENT RECOMMENDATIONS**

Since 1985, Gulfcoast Ultrasound Institute has taken great pride in our ability to provide quality continuing education programs while remaining unbiased regarding the recommendation of ultrasound equipment.

Our programs are supported by most of the major equipment manufacturers by providing their systems for use during the hands-on sessions. These companies have learned their products will be used and demonstrated to the best of our abilities in an educational setting and that no selling or promotion is done on our premises.

We realize that some of the course participants may currently be in the process of evaluating equipment for purchase and would like the opinions of our staff to determine the “best” system for your department. Everyone has a “favorite” ultrasound system (usually because it is the one they have worked with the most and are comfortable with) however, Gulfcoast Ultrasound must take an unbiased position in regard to equipment recommendations.

If you are currently evaluating equipment for purchase, we suggest you invite the equipment manufacturers to your facility for a private demonstration to determine image quality, ease of use, overall capabilities etc. on an individual basis.

Thank you!

*Lori Green BA, RDMS, RDCS, RVT*

Lori Green, BA, RDMS, RDCS, RVT  
Program Director