



Peripheral Nerve Ultrasound: Neurology & Interventional Tracks

May 18 – 19, 2020

Monday, May 18, 2020			
7:30	Welcome and Continental Breakfast		
7:45	Interactive Polling Session		
8:00	Introduction to Ultrasound		Jon Jacobson, MD, RMSK
8:45	Break		
9:00	Introduction to Ultrasound Evaluation of Peripheral Nerves		Jeffrey Strakowski, MD
10:00	5 Minute stretch break		
10:05	Ultrasound Evaluation of the Brachial Plexus/Shoulder Nerves + Live Demo		Jeffrey Strakowski, MD
10:50	Break		
11:00	Ultrasound Evaluation of the Radial, Ulnar, and Median Nerves with Live demo		Jon Jacobson, MD, RMSK
11:45	Q/A		All Faculty
12:00	Lunch Lecture: Ultrasound Guided Injection Techniques		Shane Shapiro, MD, RMSK
1:00	Break Out Groups		
	Interventional Track	Neurology Track	Speaker
1:00	Cadaver Workshop	Neuromuscular Ultrasound	Katharine Alter, MD
1:30	Cadaver Workshop	EMG/Ultrasound	Jeffrey Strakowski, MD
2:00	Cadaver Workshop	Chemodenervation with Ultrasound	Katharine Alter, MD
2:30	Cadaver Workshop	Break	
2:45	Cadaver Workshop	Hands-On: Live Scanning (MLR)	All Faculty
5:00	Adjourn	Adjourn	

Tuesday, May 19, 2020			
7:45	Continental Breakfast/ Announcements		
8:00	Pathology of the Brachial Plexus and Shoulder Nerves		Jeffrey Strakowski, MD
8:30	Pathology of the radial, ulnar, and median nerves		Craig Chappell, DO, RMSK
9:00	Break		
9:15	Ultrasound Evaluation of the Knee Nerves: Normal & Pathology		Jon Jacobson, MD, RMSK
10:00	Ultrasound Evaluation of the Foot & Ankle Nerves: Normal & Pathology		Jeffrey Strakowski, MD
10:45	Stretch Break		
10:55	Ultrasound Evaluation of the Hip Nerves		Craig Chappell, DO, RMSK
11:55	Q/A		
12:00			
12:45	Live Demonstration: knee, ankle/foot and hip nerves		Jeffrey Strakowski, MD
1:15	Break Out Groups		
	Neurology Track	Interventional Track	Speaker
1:30	Cadaver Workshop	Advanced Nerve Injections	Shane Shapiro, MD, RMSK
2:00	Cadaver Workshop	Regenerative Procedures	Craig Chappell, DO, RMSK
2:30	Cadaver Workshop	Hands-On: Live Scanning (MLR)	All Faculty
4:30	Adjourn	Adjourn	



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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. Identify common and challenging nerves using high frequency ultrasound
6. Outline the standard approach for common and uncommon peripheral nerve blocks and interventions.
7. 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.

Special thanks to the following ultrasound equipment manufacturers who have provided various (in-kind) educational grants to help make this program possible:



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Disclosure of Relevant Financial Relationships With Commercial Companies/Organizations

Gulfcoast Ultrasound Institute, Inc. endorses the standards and essentials of the Accreditation Council for Continuing Medical Education for activities and the speakers at these activities disclose significant relationships with commercial companies.

Speakers having relevant relationships include receiving from a commercial company research grants, consultancies, honoraria and travel, or having a self-managed equity interest in a company.

LECTURING FACULTY:

Jeffrey Strakowski, MD
(Course Director, Planner, and QI Task Force Subcommittee)
Physical Medicine Associates, Inc
Columbus, OH
No relevant financial relationships to disclose

Jon Jacobson, MD, RMSK
(GUI QI Task Force Subcommittee)
Professor of Radiology
Director, Div. of Musculoskeletal Radiology
University of Michigan Medical Center
Ann Arbor, MI
No relevant financial relationships to disclose

Katharine Alter, MD
Medical Director, Functional and Applied Biomechanics
NIH Clinical Center
Bethesda, MD
No relevant financial relationships to disclose

Craig Chappell, DO, CAQSM, RMSK
(GUI QI Task Force Subcommittee)
IN2IT Medical Non-Surgical Ortho & Sports Medicine,
Orem, UT
No relevant financial relationships to disclose

Shane Shapiro, MD, RMSK
Assistant Professor of Orthopedic Surgery
Instructor- Family Medicine
Mayo Clinic College of Medicine
Department of Orthopedic Surgery & Sports Medicine
Jacksonville, FL
No relevant financial relationships to disclose

All presentations 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.



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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 Subcommittee)

Medical Director, Gulfcoast Ultrasound Institute
Milwaukee, WI

No relevant financial relationships to disclose

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

Assistant Professor of Emergency Medicine &
Fellowship Director of Emergency Medicine
Ultrasound Fellowship Program
University of South Florida Medical School
Tampa, FL

No relevant financial relationships to disclose

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

Associate Professor of Emergency Medicine
Vice Chair of Ultrasound Education
Boston Medical Center
Boston, MA

No relevant financial relationships to disclose

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

Gulfcoast Ultrasound Institute, Inc.
St. Petersburg, FL

No relevant financial relationships to disclose

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

Gulfcoast Ultrasound Institute, Inc.
St. Petersburg, FL

No relevant financial relationships to disclose

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, RT, RDMS, RDCS, RVT

Trisha Reo AAS, RDMS, RVT

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.



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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**

Throughout the past 35 years 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 manufactures 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 regards 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, over-all capabilities etc. on an individual basis.

Thank you!

Lori Green BA, RT, RDMS, RDCS, RVT

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