



# Introduction to **Peripheral Vascular Duplex & Color Flow Imaging Virtual Conference** July 20 - 21, 2022

Wednesday July 20, 2022		
7:45	Welcome	
8:00	Interactive Polling Session	
8:15	Venous Anatomy, Scan Techniques & Normal Characteristics	Phil Bendick, Ph.D., RVT, FSDMS, FSVU
9:00	Break	
9:15	Duplex / Color Evaluation of LE DVT	
10:00	Duplex / Color Evaluation of UE DVT	
10:30	Break	
10:45	Evaluation of Venous Insufficiency	
11:15	Duplex / Color Evaluation for Venous Ablation Procedures <ul style="list-style-type: none"> <li>• Types of Vein Ablation Procedures</li> <li>• Pre-Procedure Mapping</li> <li>• Post-procedure Mapping</li> </ul>	
12:30	Adjourn	

Thursday, September 30, 2021		
8:00	LE Arterial Anatomy & Physiology	Trisha Reo, AAS, RDMS, RVT
8:30	Clinical Exam & Indirect Testing	
9:30	Break	
9:45	Direct Testing & Duplex Scanning	
11:00	Break	
11:15	Live Demo: Arterial Duplex	
11:45	Treatment of Lower Arterial Disease	
12:15	Interactive Polling Session with Discussion	
12:30	Adjourn	

*Includes Pre-Course E-Seminar: Doppler Physics & Color Fundamentals by Lori Green, BA, RDMS, RDCS, RVT*

\*\* This is a tentative course itinerary. Lecture faculty, times and dates may be subject to change. 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 internet live educational activity for a maximum of 8.0 *AMA PRA Category 1 Credits*<sup>™</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

The Gulfcoast Ultrasound Institute designates an additional 2.0 *AMA PRA Category 1 Credits*<sup>™</sup> for the enduring educational activity "Doppler Physics & Color Fundamentals". 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 requests from the medical community, expanded utilization of ultrasound, and lab accreditation requirements.

**COURSE OBJECTIVES:** Upon completion of this program, the participant should be able to:

1. Increase the participants' knowledge to better perform and/or interpret upper and lower Peripheral Vascular ultrasound examinations.
2. Apply knowledge of the anatomy/physiology of the upper & lower extremity venous and arterial systems into the venous & arterial duplex and physiologic testing examinations.
3. Cite Doppler/color physics and be able to (sonographers) apply these principles to optimize system controls and/or (physicians) utilize this information for recognizing technical errors which may result in misdiagnosis.
4. Perform routine scan protocols, and document Doppler waveforms for lower extremity arterial and venous evaluations of the upper and lower extremity.
5. Differentiate normal/abnormal imaging, spectral Doppler and color characteristics for identifying arterial and venous disease.
6. State the indications and applications of indirect testing methods for lower arterial disease.
7. Demonstrate vein mapping techniques to identify suitability as a potential arterial bypass graft.
8. Perform routine scan protocols and document Doppler waveforms for venous evaluation of the lower extremities, including pre and post vein ablation evaluation.
9. State the role of ultrasound in the diagnosis and treatment of venous insufficiency.
10. Perform evaluation for venous insufficiency and patency of perforators for vein therapy treatment.

While offering CME credit hours this activity is not intended to provide extensive training or certification for performance of or interpretation of Peripheral Vascular Ultrasound Examinations. We recommend working under supervised conditions until an acceptable level of proficiency has been achieved.

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No financial commercial support or educational grants were received for this activity and no "in-kind" commercial support is provided as no "hands-on" instruction is performed.



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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 relevant 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.

### **FACULTY:**

#### **Phil Bendick, Ph.D., RVT, FSDMS, FSVU**

Vascular Ultrasound Consultant

Vass, NC

*No relevant financial relationships to disclose*

#### **Trisha Reo, AAS, RDMS, RVT**

Gulfcoast Ultrasound Institute, Inc.

St. Petersburg, 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)**

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)**

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, 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:**

No hands-on instruction is performed for this course.

**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*