Introduction to Carotid & Peripheral Vascular Duplex/Color Flow Imaging Virtual Conference

July 18 – 21, 2022

Monday, July 18, 2022		
7:45	Welcome	
8:00	Interactive Polling Session	
8:15	Doppler & Color Fundamentals	Lori Green, BA, RDMS, RDCS, RVT
10:00	Break	
10:15	Carotid Anatomy & Physiology	Trisha Reo, AAS, RDMS, RVT
11:00	Break	
11:15	Normal Spectral Analysis	Lori Green, BA, RDMS, RDCS, RVT
11:45	Carotid Scan Protocol	Trisha Reo, AAS, RDMS, RVT
12:30	Adjourn	

Tuesday, July 19, 2022		
7:45	Intima-Media Thickness: Measurement & Evaluation	Phil Bendick, Ph.D., RVT, FSDMS, FSVU
8:15	Carotid Stenosis Assessment	
9:15	Break	
9:30	Challenging Case Studies	
10:45	Break	
10:55	Non-Atherosclerotic Carotid Abnormalities	
11:20	Case Studies and How to Structure a Report	
12:00	Post-Polling Session	
12:15	Adjourn	

Wednesday, July 20, 2022		
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 • Types of Vein Ablation Procedures • Pre-Procedure Mapping • Post-procedure Mapping	
12:30	Adjourn	

Thursday, July 21, 2022		
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	

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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 16.0 *AMA PRA Category 1 Credits™.* Physicians should claim only the credit commensurate with the extent of their participation in the 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 Carotid Duplex/Color Flow Imaging and Peripheral Vascular ultrasound examinations.
2. Apply knowledge of the anatomy/physiology of the cerebrovascular, venous, and arterial systems.
3. Cite Doppler/color physics principles and be able to (sonographers) apply these principles to optimize system controls and/or (physicians) utilize this information for identifying technical errors which may result in misdiagnosis.
4. Perform routine scan protocols and Doppler calculations in a complete carotid duplex/color, venous, and arterial examinations.
5. Differentiate normal/abnormal spectral Doppler/color characteristics for identifying disease.
6. List methods for obtaining quantitative information and state the diagnostic relevance of each measurement.
7. Characterize plaque morphology and other pathology associated with cerebral vascular disease.
8. Perform Intima-Media Thickness measurements and state the clinical significance as a screening method for cardiovascular disease.
9. Integrate the information to include and prepare a structured report for a carotid ultrasound examination.
10. Apply diagnostic criteria for accurate interpretation of carotid duplex/color flow and peripheral vascular examinations.
11. State the indications and applications of indirect testing methods for lower arterial disease.
12. Demonstrate vein mapping techniques to identify suitability as a potential arterial bypass graft.
13. State the role of ultrasound in the diagnosis and treatment of venous insufficiency.
14. 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 Carotid and Peripheral Vascular Ultrasound Examinations. We recommend working under supervised conditions until an acceptable level of proficiency has been achieved.

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, North Carolina
No relevant financial relationships to disclose

Lori Green, BA, RDMS, RDCS, RVT
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St. Petersburg, FL
No relevant financial relationships to disclose

Trisha Reo, AAS, RDMS, RVT
Program Coordinator
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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 &
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No relevant financial relationships to disclose

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