**Introduction to Peripheral Vascular Duplex & Color Flow Imaging – Virtual Conference**

**October 14 – 15, 2020**

### Wednesday October 14, 2020

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker</th>
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<tbody>
<tr>
<td>7:45</td>
<td>Continental Breakfast</td>
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<tr>
<td>8:00</td>
<td>Interactive Polling Session</td>
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<tr>
<td>8:15</td>
<td>Venous Anatomy, Scan Techniques &amp; Normal Characteristics</td>
<td>Phil Bendick, Ph.D., RVT, FSDMS, FSVU</td>
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<tr>
<td>9:00</td>
<td>Break</td>
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<tr>
<td>9:15</td>
<td>Duplex / Color Evaluation of LE DVT</td>
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<tr>
<td>10:00</td>
<td>Duplex / Color Evaluation of UE DVT</td>
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<tr>
<td>10:30</td>
<td>Break</td>
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<tr>
<td>10:45</td>
<td>Evaluation of Venous Insufficiency</td>
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<tr>
<td>11:15</td>
<td>Duplex / Color Evaluation for Venous Ablation Procedures</td>
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<tr>
<td></td>
<td>- Types of Vein Ablation Procedures</td>
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<td>- Pre-Procedure Mapping</td>
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<td>- Post-procedure Mapping</td>
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<tr>
<td>12:30</td>
<td>Adjourn</td>
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### Thursday, October 15, 2020

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<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker</th>
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<tbody>
<tr>
<td>7:45</td>
<td>Continental Breakfast</td>
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<tr>
<td>8:00</td>
<td>LE Arterial Anatomy &amp; Physiology</td>
<td>Rob Daigle, BA, RVT, FSVU, FSDMS</td>
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<td>8:30</td>
<td>Clinical Exam &amp; Indirect Testing</td>
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<td>9:30</td>
<td>Break</td>
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<tr>
<td>9:45</td>
<td>Direct Testing &amp; Duplex Scanning</td>
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<td>11:00</td>
<td>Break</td>
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<td>11:15</td>
<td>Live Demo: Arterial Duplex</td>
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<td>11:45</td>
<td>Treatment of Lower Arterial Disease</td>
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<tr>
<td>12:15</td>
<td>Interactive Polling Session with Discussion</td>
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<td>12:30</td>
<td>Adjourn</td>
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**Note:** Doppler/Color Fundamentals to be provided as a required pre-course online webinar

**Includes Pre-Course E-Seminar: Doppler Physics & Color Fundamentals**

*Presented by Lori Green, BA, RT, RDMS, RDCS, RVT*

**This is a tentative course itinerary. Lecture times/days may be subject to change.**
Introduction to
Peripheral Vascular Duplex &
Color Flow Imaging – Virtual Conference
October 14 – 15, 2020

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 7.75 AMA PRA Category 1 Credits™. 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™ 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.

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.

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.
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

Rob Daigle, BA, RVT, FSVU, FSDMS
Vascular Ultrasound Consultant
Littleton, CO
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.
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, RT, 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

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:

No hands-on instruction is performed for this course.