Vascular Technology
Registry Review – Virtual Conference
June 9 – 10, 2022

Virtual conference presented by: Marsha M. Neumyer, BS, RVT, FSDMS, FSVU, FAIUM

Thursday, June 9, 2022	
8:30	**Welcome**
8:35	**Arterial and Venous Anatomy**
10:00	**Peripheral Arterial:** • **Mechanisms of disease, risk factors, signs and symptoms, physical exam**
11:05	**Break**
11:15	**Peripheral Arterial Test Procedures & Instrumentation** • **Indirect & Direct Testing**
1:00	**Lunch**
1:45	**Peripheral Arterial Correlative Imaging & Treatment**
2:00	**Extracranial Cerebrovascular:** • **Mechanisms of disease, risk factors, signs and symptoms, physical examination** • **Test Procedures & instrumentation** • **Correlative Imaging & Treatment**
3:00	**Break**
3:15	**Intracranial Cerebrovascular:** • **Mechanisms of disease, risk factors, signs and symptoms, physical examination** • **Test Procedures and Instrumentation** • **Transcranial Doppler & Transcranial Imaging** • **Correlative Imaging and Treatment for Intracranial Disease**
3:45	**Mock Exam Day 1 & QA Session**
4:30	**Adjourn**

*** Note: Each lecture will be followed by a 5 min interactive QA session. Questions may be submitted at any time using the "Question" tab in your control panel or can be asked audibly (requires your computer to have a microphone) during the QA session by using the raise your hand feature once the QA session begins.**

** 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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Friday, June 10, 2022	
8:30	**Abdominal Arterial & Venous:** • **Mechanisms of disease, risk factors, signs and symptoms, physical examinations**
9:00	**Abdominal Arterial & Venous Test Procedures & Instrumentation** • **Aorta** • **Mesenteric Arterial/Venous** • **Renal Arterial/Venous** • **Hepato-portal**
10:00	**Correlative Imaging & Treatment for Visceral Vascular Disease**
10:15	**Break**
10:30	**Peripheral Venous:** • **Mechanisms of disease, risk factors, signs and symptoms, physical examination** • **Test Procedures and Instrumentation** • **Correlative Imaging and Treatment**
12:00	**Lunch**
12:45	**Quality Assurance** • **Sensitivity & Specificity** • **Positive & Negative Predictive Values** • **Accuracy & Patient Safety**
1:30	**Break**
1:45	**Miscellaneous** • **Vein Mapping** • **Radial Artery Mapping** • **Dialysis Access** • **Organ Transplants**
3:15	**Mock Exam Day 2 & QA Session**
4:00	**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 16.0 *AMA PRA Category 1 Credit™.* Physicians should claim only the 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 and scope of practice requirements for sonographers and technologists.

Course Objectives

1. Increase the participants' knowledge to better perform and/or interpret vascular ultrasound examinations.
2. Apply knowledge of the anatomy and physiology of the cerebral vascular circulation and upper and lower extremities to their respective ultrasound evaluations.
3. Outline routine scan protocols for cerebral vascular, upper and lower arterial and venous examinations, and abdominal Doppler.
4. Differentiate normal and abnormal imaging characteristics, Doppler waveforms, color findings & physiologic testing of the venous and arterial examinations.
5. Outline protocols, identify normal/abnormal characteristics disease associated with Duplex/color evaluation of the abdominal vasculature.
6. Apply quality assurance and the relationship of specificity, sensitivity and overall accuracy of vascular ultrasound examination test validation.
7. Identify areas of weakness that require additional self-study to successful pass your vascular technology ultrasound board examination. (RVT or RVS)

While offering CME credits this activity is not intended to provide extensive training or certification for performing or interpreting vascular examinations. We recommend working under supervised conditions until an accepted 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 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:

Marsha Neumyer, BS, RVT, FSVU, FSDMS, FAIUM
(GUI QI Task Force Subcommittee)
International Director Vascular Diagnostic Educational Services
Hershey, PA
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
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Boston Medical Center
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No relevant financial relationships to disclose

Lori Green, BA, RDMS, RDCS, RVT (Program Director-planner, Content Reviewer, QI Task Force)
Gulfcoast Ultrasound Institute, Inc.
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No relevant financial relationships to disclose

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