



Vascular Interpretation & RPVI Review Course

Virtual Conference

March 31 – April 1, 2022

Thursday, March 31, 2022

7:30	Welcome	
I.	Physics and Instrumentation	
7:45	Hemodynamic Principles & Doppler Fundamentals	Robert Atnip, MD, RVT, RPVI
8:45	Break	
8:50	Instrumentation: Transducers, Imaging Modes & Artifacts	Robert Atnip, MD, RVT, RPVI
9:40	Interactive Mock Exam 1: Physics & Instrumentation	All Faculty
10:00	Break	
II.	Carotid & Abdominal Aorta	
10:10	Normal Carotid Anatomy, Waveforms & Scan Protocol (including IMT Measurements)	Marsha Neumyer, BS, RVT, FSDMS, FSVU, FAIUM
11:00	Overview of Abnormal Carotid Waveform - Characteristics & Diagnostic Criteria	Robert Atnip, MD, RVT, RPVI
11:50	Lunch	
12:45	Integration of Data: Study Interpretation & Reporting	Robert Atnip, MD, RVT, RPVI
1:30	Abnormalities of the Vertebrobasilar System & TCD	Marsha Neumyer, BS, RVT, FSDMS, FSVU, FAIUM
2:15	Break	
2:30	Interactive Carotid & TCD Cases	Marsha Neumyer, BS, RVT, FSDMS, FSVU, FAIUM Robert Atnip, MD, RVT, RPVI
3:45	Break-Stretch	
3:50	Abdominal Aorta and Aortic Endografts	Robert Atnip, MD, RVT, RPVI
4:40	Interactive Mock Exam 2: Cerebrovascular & Abdominal Aorta	All Faculty
5:00	Adjourn	



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III. Peripheral Arterial		
7:45	Peripheral Arterial: Protocols & Methods of Evaluating Disease - Indirect Physiologic Studies (35 min) - Arterial Duplex (35 min)	Marsha Neumyer, BS, RVT, FSDMS, FSVU, FAIUM
9:00	Break	
9:10	Arterial Grafts & Intraoperative Duplex	Robert Atnip, MD, RVT, RPVI
9:35	Arterial Assessment of Upper Extremities	Robert Atnip, MD, RVT, RPVI
10:20	Break	
10:25	Abdominal Visceral Duplex: Renal, Mesenteric and Hepatic	Marsha Neumyer, BS, RVT, FSDMS, FSVU, FAIUM
11:45	Lunch	
12:00	Optional Lunch Video Lecture: Dialysis Access	Robert Atnip, MD, RVT, RPVI
IV. Venous		
12:30	Interactive Mock Exam 3: Peripheral Venous and Abdominal Duplex	All Faculty
12:45	Peripheral Venous: Protocols & Methods to Detect DVT	Marsha Neumyer, BS, RVT, FSDMS, FSVU, FAIUM
1:15	Venous Insufficiency & Physiologic Testing	Marsha Neumyer, BS, RVT, FSDMS, FSVU, FAIUM
1:55	Break	
2:05	Venous Imaging of the Upper Extremity	Robert Atnip, MD, RVT, RPVI
2:45	Interactive Cases Peripheral Arterial and Venous	All Faculty
4:15	Break	
4:25	Quality Assurance, Safety & Bioeffects	Marsha Neumyer, BS, RVT, FSDMS, FSVU, FAIUM
5:00	Interactive Mock Exam 4: Venous, QA & Misc	All Faculty
5:15	Adjourn	

** This is a tentative course itinerary. Lecture faculty, times and dates may be subject to change.



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The Gulfoast Ultrasound Institute is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

The Gulfoast Ultrasound Institute designates this internet live educational activity for a maximum of 16.0 *AMA PRA Category 1 Credits*™. Physicians should only claim 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 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 participants' knowledge and competence to perform and/or interpret vascular ultrasound examinations.
2. Analyze Doppler/Color physics factors that affect optimal Doppler examinations and commonly seen Doppler/Color artifacts, which may affect diagnostic accuracy.
3. Recognize normal/abnormal imaging, spectral Doppler and Color Doppler findings seen with carotid, peripheral arterial, peripheral venous, and visceral disease.
4. Cite the role of indirect testing in the evaluation of lower extremity arterial disease.
5. Apply diagnostic criteria for evaluation of carotid, peripheral venous, arterial, and visceral disease and integrate the key diagnostic elements into a structured report.
6. Interpret complex carotid, peripheral vascular, and visceral case studies in an interactive interpretation session format.
7. Recognize normal and abnormal ultrasound findings associated with the abdominal aorta and aortic endografts.
8. Differentiate normal and abnormal spectral Doppler characteristics associated with renal artery, mesenteric, and porto-hepatic evaluations.
9. Outline protocols and diagnostic criteria for the evaluation of dialysis access grafts.
10. Increase confidence to incorporate protocols, techniques and diagnostic criteria to improve diagnosis/treatment accuracy.

While offering CME credits this activity is not intended to provide extensive training or certification for performing or interpreting vascular ultrasound procedures. 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 & 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

Gulfoast 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.

Disclosure of a relationship is not intended to suggest or condone bias in any presentation but is made to provide participants with information that might be of potential importance to their evaluation of a presentation.

FACULTY:

Robert Atnip, MD, RVT, RPVI (GUI QI Task Force Subcommittee)

Professor Emeritus, Department of Surgery and Radiology
Division of Vascular Surgery
Milton S. Hershey Medical Center
The College of Medicine
The Pennsylvania State University
Hershey, PA
No relevant financial relationships to disclose

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
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