Ultrasound-Guided Vascular Access – Virtual Conference

August 2, 2021

Monday, August 2, 2021		
7:45	**Welcome**	
8:00	**Interactive Polling Session**	
8:15	**Ultrasound Imaging Fundamentals**	**Lori Green, BA, RT(R), RDMS, RDCS, RVT**
9:00	**Break**	
9:10	**The Fundamentals of UG Vascular Access** **-Why use Ultrasound Guidance** **-"Direct" vs. "Indirect" Techniques** **-"In-plane" vs. "Out-of-plane" Techniques** **-Principles of Vessel Differentiation & Procedural Tips**	**Andreas Dewitz, MD, RDMS, FACEP**
9:45	**Ultrasound Guided Central Line Placement** **-Internal Jugular & Axillary/Subclavian Approach & Clinical Case Review** **-Femoral Vein Access**	
10:25	**Break**	
10:35	**Ultrasound Guided Peripheral Line Placement** **-Antecubital Vein Access** **-Additional Access Sites & Comments on the Pediatric Patient** **-Clinical Cases**	
11:05	**Live Demo Vascular Access**	
11:35	**Interactive Polling Session with Discussion & QA**	
11:50	**Adjourn**	

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

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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 4.0 *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 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. Demonstrate the participant's knowledge to better perform ultrasound-guided vascular access procedures
2. Demonstrate proper transducer manipulation and system optimization to produce diagnostic images.
3. List the advantages and disadvantages of the "In-Plane" and "Out-of-Plane" and the "Direct" vs. "Indirect" ultrasound-guided vascular access techniques.
4. Differentiate venous vs. arterial anatomy by ultrasound.
5. Identify ultrasound imaging characteristics of vessels and contiguous anatomy to determine the optimal approach for vascular access.
6. Cite ultrasound imaging characteristics of vascular pathology that would indicate a vessel is not suitable for vascular access.
7. Demonstrate the use of ultrasound guidance for Central Line vascular access.
8. Demonstrate the use of ultrasound guidance for Peripheral Line vascular access.
9. Demonstrate competence to incorporate protocols, scan techniques, and interpretation criteria to improve diagnostic/treatment accuracy.

While offering CME credit hours this activity is not intended to provide extensive training or certification for performance of ultrasound-guided vascular access 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 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 significant 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:

Andreas Dewitz, MD, RDMS, FACEP
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
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, RT, RDMS, RDCS, RVT (Program Director-planner, Content Reviewer, QI Task Force)
Gulfcoast Ultrasound Institute, Inc.
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Trisha Reo, AAS, RDMS, RVT (Program Coordinator-planner, Content Reviewer, QI Task Force)
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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.