



Introduction to Critical Care Ultrasound – Virtual Conference

September 12 – 13, 2023

Tuesday, September 12, 2023		
7:20	Welcome and Introductions	
7:30	Interactive Polling Session	
7:45	Ultrasound-Guided Vascular Access	David Bahner, MD, RDMS, FACEP
8:45	Break	
9:00	Abdominal Scanning Fundamentals	Trisha Reo, AAS, RDMS, RVT
10:00	Break	
10:05	FAST + e-fast	David Bahner, MD, RDMS, FACEP
11:05	Break	
11:15	Focused 2D Cardiac Exam (F.A.T.E.)	James Mateer, MD, RDMS
12:15	Break	
12:30	Optional Video Lecture: Abscess & Joint aspiration	James Mateer, MD, RDMS

Wednesday, September 13, 2023		
7:45	Biliary & Renal Colic	Andrew Laudenbach, MD
8:30	AAA & case studies	James Mateer, MD, RDMS
9:00	Break	
9:05	Evaluation of DVT	David Bahner, MD, RDMS, FACEP
9:40	Evaluation of Cardiac Arrest, Shock & Hypotension	
10:40	Break	
10:50	Ultrasound-Guided Procedures: Pericardiocentesis, Paracentesis, Hemothorax, Lumbar Puncture	Alexander Levitov, MD, RDCS, FCCM, FCCP
11:45	Interactive Polling Session with discussion	
12:00	Adjourn	

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

[Includes Pre-course Online Video: Imaging Fundamentals – The Basics](#) by Lori Green, BA, RDMS, RDCS, RVT. Login to your account at GCUS.com and navigate to “My Activities” to complete **prior** to this course.



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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 internet educational activity for a maximum of 8.0 *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 1.25 *AMA PRA Category 1 Credits™* for the enduring educational activity “Imaging Fundamentals – The Basics”. 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 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 participant’s knowledge to better perform and/or interpret Critical care ultrasound examinations
2. State the basic fundamentals of ultrasound physics and demonstrate appropriate optimization of system controls.
3. Perform ultrasound evaluation of the trauma patient (E-FAST exam).
4. Demonstrate image orientation, transducer placement, and scan protocols for performing ultrasound evaluation of pneumothorax.
5. Demonstrate scan protocols for focused evaluation of the abdomen, aorta, and adult heart, and lower extremity DVT.
6. Demonstrate image orientation, transducer preparation, and scan protocols for performing ultrasound guided vascular access.
7. Differentiate normal/abnormal image characteristics of the abdomen and adult heart.
8. State an algorithm for assessing causes of shock and hypotension using bedside ultrasound.
9. Demonstrate protocols for performing thoracentesis, pericardiocentesis, paracentesis, and lumbar puncture.
10. Increase competence to incorporate protocols, scan techniques, and interpretation criteria into clinical practice.

While offering CME credit hours this activity is not intended to provide extensive training or certification for performance of or interpretation of 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 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:

**Alexander Levitov, MD, FCCM, FCCP,
RDMS (GUI QI Task Force Subcommittee)**
Eastern Virginia Medical School
Norfolk, VA
No relevant financial relationships to disclose

James Mateer, MD, RDMS
Clinical Professor, Emergency Medicine
Medical College of Wisconsin
Milwaukee, WI
No relevant financial relationships to disclose

David Bahner, MD, RDMS, FACEP
Professor and Director of Ultrasound
Emergency Medicine
Ohio State University
Columbus, Ohio
No relevant financial relationships to disclose

Lori Green, BA, RDMS, RDMS, RVT
Program Director
Gulfcoast Ultrasound Institute, Inc.
St. Petersburg, FL
No relevant financial relationships to disclose

Trisha Reo, AAS, RDMS, RVT
Program Coordinator
Gulfcoast Ultrasound Institute, Inc.
St. Petersburg, FL
No relevant financial relationships to disclose

Andrew Laudenschlager, MD
Ultrasound Fellowship Director
Clinical Informaticist
Associate Professor of Emergency Medicine
Department of Emergency Medicine
Hennepin Healthcare
Minneapolis, MN
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