



# Introduction to Emergency Medicine Ultrasound – Virtual Conference

September 13 - 15, 2021

Monday, September 13, 2021		
7:30	Welcome	
7:45	Interactive Polling Session	
8:00	Imaging Fundamentals	Lori Green, BA, RT, RDMS, RDCS, RVT
8:45	Break	
8:55	OB-GYN Anatomy/Exam	James Mateer, MD, RDMS
9:45	Break	
9:55	Ectopic Pregnancy	James Mateer, MD, RDMS
10:40	Break	
10:50	OB Cases + Abortion	James Mateer, MD, RDMS
11:50	Break	
11:55	Fundamentals of Needle Guidance	James Mateer, MD, RDMS
12:30	Break	
12:45	Optional Video Lecture: PID & Masses	James Mateer, MD, RDMS
1:30	Adjourn	

Tuesday, September 14, 2021		
7:20	Welcome (for our Critical Care track participants)	
7:30	Interactive Polling Session	
7:45	Ultrasound-Guided Vascular Access	David Bahner, MD, RDMS, FACEP
8:45	Break	
9:00	Abdominal Scanning Fundamentals	Lori Green, BA, RT, RDMS, RDCS, 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
1:30	Adjourn	

Wednesday, September 15, 2021		
7:45	Biliary & Renal Colic	James Mateer, MD, RDMS
8:30	AAA & Case Studies	
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
11:35	Evaluation of COVID-19	
12:15	Interactive Polling Session with discussion	
12:30	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 12.0 *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. Increase participant's knowledge to better perform and/or interpret Emergency 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) and pneumothorax.
4. Demonstrate scan protocols for focused evaluation of the abdomen, aorta, female pelvis and adult heart.
5. State an algorithm for uses of bedside ultrasound during cardiac arrest, shock & hypotension.
6. Demonstrate image orientation, transducer preparation, and scan protocols for performing use of ultrasound guidance for vascular access, pericardiocentesis, paracentesis, hemothorax, lumbar puncture, ET placement.
7. Demonstrate protocol for focused evaluation of DVT.
8. Differentiate normal/abnormal image characteristics of the abdomen, female pelvis, first trimester OB, and ectopic pregnancy.
9. 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 Emergency Ultrasound Examinations. We recommend working under supervised conditions until an acceptable level of proficiency has been achieved.

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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

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 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:**

#### **James Mateer, MD, RDMS**

Clinical Professor, Emergency Medicine  
Medical College of Wisconsin  
Milwaukee, WI

***No relevant financial relationships to disclose***

#### **Alexander Levitov, MD, FCCM, FCCP, RDCS (GUI QI Task Force Subcommittee)**

Professor of Medicine  
Eastern Virginia Medical School  
Norfolk, VA

***No relevant financial relationships to disclose***

#### **Lori Green, BA, RT, RDMS, RDCS, RVT**

Program Director  
Gulfoast Ultrasound Institute, Inc.  
St. Petersburg, FL

***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***

*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.  
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.