



Introduction to Adult Echocardiography

July 17-21, 2017

Monday, July 17, 2017		
7:30	Welcome/Continental Breakfast	
7:45	Interactive Polling Session	
8:00	Imaging Fundamentals	Lori Green, BA, RT, RDMS, RDCS, RVT
8:50	Break	
9:00	Anatomy of the Heart and the EKG	Christie Jordan, BS, RDCS, RCS, RCIS, FASE
9:40	Break	
9:45	The 2D Evaluation of Cardiac Anatomy - The Parasternal Window	
11:00	Break	
11:15	The 2D Evaluation of Cardiac Anatomy – Apical and Subcostal Windows	Christie Jordan, BS, RDCS, RCS, RCIS, FASE
12:15	The 2D Evaluation of Cardiac Anatomy-Suprasternal Notch	
12:30	Lunch	
1:00	Live Demonstration: The Parasternal Long Axis & Short Axis	Christie Jordan, BS, RDCS, RCS, RCIS, FASE
1:30	Hands-on Scanning	
5:00	Adjourn	
Tuesday, July 18, 2017		
7:45	Continental Breakfast	
8:00	2D Measurements and Normal Values	Christie Jordan, BS, RDCS, RCS, RCIS, FASE
9:00	Break	
9:15	Doppler Fundamentals	Daniel Bourque, MS, RCS, FASE
10:00	Break	
10:15	Color Doppler – Evaluation Sites & Normal Flow Patterns	
11:00	Evaluating with Pulsed & Continuous Wave Doppler	
12:00	Lunch	
1:00	Hands-on Scanning & 2D/M-Mode Workshop - Main Scan Lab: Hands-On Scanning - Main Lecture Room: “M-Mode Workshop”	Christie Jordan, BS, RDCS, RCS, RCIS, FASE
4:30	Adjourn	
Wednesday, July 19, 2017		
7:45	Continental Breakfast	
8:00	Mitral Valve	Richie Palma, BS, RDCS, RCS, ACS, FASE, FSDMS
9:00	Break	
9:15	Aortic Valve	
10:15	Break	
10:30	Cardiomyopathies	
11:30	Q/A Session and Cases	
12:00	Lunch	
1:00	Hands-On Scanning & Gross Anatomy Workshop - Main Scan Lab: Hands-On Scanning - Main Lecture Room: “Gross Anatomy Workshop”	Diane Debich-Spicer, PA (ASCP)
4:30	Adjourn	



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Thursday, July 20, 2017

7:45	Continental Breakfast	
8:00	Doppler Evaluation of MVD	Richie Palma, BS, RDCS, RCS, ACS, FASE, FSDMS
9:00	Break	
9:15	Doppler Evaluation of AVD	
10:15	Break	
10:30	Right Heart Disease	
11:45	Live Demonstration: The Complete Echo Exam	
12:15	Lunch	
1:00	Hands-on Scanning & Interpretation Workshop - Main Scan Lab: Hands-on Scanning - Main Lecture Room: "Interpretation Workshop"	
4:30	Adjourn	

Friday, July 21, 2017

7:45	Continental Breakfast	
8:00	Coronary Heart Disease	Richie Palma, BS, RDCS, RCS, ACS, FASE, FSDMS
9:15	Break	
9:30	Diastolic Function/ Contrast Echocardiography	
10:30	Break	
10:45	Pericardial Disease & Cardiac Masses	
11:45	Interactive Polling Session with Discussion	
12:00	Lunch	
1:00	Hands-On Scanning	
4:30	Adjourn	



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

The Gulfoast Ultrasound Institute designates this live educational activity for a maximum of **40.0 AMA PRA Category 1 Credits™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Successful completion of this CME activity, which includes participation in the evaluation component, enables the participant to earn up to **40.0 MOC points** in the American Board of Internal Medicine's (ABIM) Maintenance of Certification (MOC) program. Participants will earn MOC points equivalent to the amount of CME credits claimed for the activity. It is the CME activity provider's responsibility to submit participant completion information to ACCME for the purpose of granting ABIM MOC credit.

Approved by the American College of Emergency Physicians for a maximum of **37.75 hour(s) of ACEP Category I credit**.

Approved by the **ASRT for 34.25 Category A** continuing education credit.

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 participant's knowledge to better perform and/or interpret Echocardiography examinations.
2. Demonstrate proper transducer manipulation and system optimization to produce diagnostic images (sonographer) and recognize potential imaging errors (Physician).
3. Demonstrate routine scan protocols to evaluate an adult patient using 2D/M-Mode/Color Flow & Doppler echocardiographic techniques.
4. Perform standard 2D, m-mode and Doppler measurements
5. Identify normal/abnormal characteristics of 2D cardiac anatomy.
6. State the role of cardiac Doppler and list the necessary qualitative/quantitative measurements.
7. Identify the ultrasound findings associated with valvular heart disease, cardiomyopathies, ischemic heart disease, pericardial disease and cardiac masses.
8. List the latest imaging techniques in quantification of right and left ventricle wall motion. Document findings and apply standardized guidelines during compilation of an Echocardiography worksheet (sonographer) and dictated report (Physician).
9. List the steps necessary for system optimization during contrast echo imaging.
10. Increase confidence to incorporate protocols, techniques & interpretation criteria to improve diagnostic/treatment accuracy.

While offering CME credit this activity is not intended to provide extensive training or certification for interpretation of Cardiac Ultrasound Examinations. We recommend working under supervised conditions until an accepted level of proficiency has been achieved.

A special thanks to the following ultrasound equipment manufacturers who provide various (in kind) equipment support to help make our programs possible (companies listed are as of the time of printing).

GE Aloka SonoSite Toshiba Philips Ultrasonix



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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 relevant relationships with commercial companies or organizations.

Speakers having relevant financial relationships include receiving from a commercial company research grants, consultancies, honoraria and travel, or having a self-managed equity interest in a company.

FACULTY:

Daniel Bourque, MS, RCS, FASE

Orlando Regional Medical Center
Orlando, FL

No relevant financial relationships to disclose

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

Program Director
Gulfcoast Ultrasound Institute, Inc.

No relevant financial relationships to disclose

Christie Jordan, BS, RDCS, RCS, RCIS, FASE

Cardiovascular Technology Faculty Program Director
Florida State College at Jacksonville
Jacksonville, Florida

No relevant financial relationships to disclose

Richie Palma, BS, RDCS, RCS, ACS, FASE, FSDMS

Director and Clinical Coordinator
Hoffman Heart Institute, School of Cardiac Ultrasound
St. Francis Hospital and Medical Center
Hartford, CT

No relevant commercial relationships to disclose

Diane Debich-Spicer, PA (ASCP)

Pathology Assistant Consultant
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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 Subcommittee)

Medical Director, Gulfcoast Ultrasound Institute

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 Subcommittee)

President, Gulfcoast Ultrasound Institute, Inc.

No relevant financial relationships to disclose

Brian Schenker, MBA, RDMS, RVT

Program Coordinator (planner, reviewer & QI Task Force)

Gulfcoast Ultrasound Institute, Inc.

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.

HANDS-ON INSTRUCTORS:

At the time of printing ***all hands-on instructors for this program have signed disclosure forms and have no relevant financial relationships to disclose.*** A verbal disclosure will be made during opening remarks. All scanning sessions are monitored by the program director and/or the program manager to ensure education objectives are met and no commercial bias occurs.