# Introduction to Abdominal & Primary Care and OB/GYN Ultrasound: Scanning Skills Workshop

June 3 – 4, 2021

| Thursday, June 3, 2021 ABD | |
|---|---|
| **8:30 AM** | **Welcome and Continental Breakfast** |
| **8:45 - 9:30** | **Hands-On Scanning – Session 1 (Sys Opt/Aorta)** |
| **9:30 - 10:15** | **Hands-On Scanning – Session 2 (Liver/GB)** |
| **10:15 - 10:30** | **15 Minute Break: Model Rotation** |
| **10:30 - 11:15** | **Hands-On Scanning – Session 3 (Liver/GB)** |
| **11:15 - 12:00** | **Hands-On Scanning – Session 4 (CBD/Panc)** |
| **12:00 - 1:00** | **Lunch** |
| **1:00 - 1:45** | **Hands-On Scanning – Session 4 (Spleen/E-FAST)** |
| **1:45 - 2:30** | **Hands-On Scanning – Session 5 (Renal)** |
| **2:30 - 2:45** | **15 Minute Break: Model Rotation** |
| **2:45 - 3:30** | **Hands-On Scanning – Session 6 (Scrotum)** |
| **3:30 - 4:15** | **Hands-on Scanning: Session 6 (Recap)** |

| Friday, June 4, 2021 OB/GYN | |
|---|---|
| **8:30 AM** | **Welcome and Continental Breakfast** |
| **8:45 - 10:15** | **Hands-On Scanning – Session 1 (Full Bladder)** |
| **10:15 - 10:30** | **15 Minute Break: Model Rotation** |
| **10:30 - 12:00** | **Hands-On Scanning – Session 2 (TV)** |
| **12:00 - 1:00** | **Lunch** |
| **1:00 - 2:30** | **Hands-On Scanning – Session 3 (OB)** |
| **2:30 - 2:45** | **15 Minute Break: Model Rotation** |
| **2:45 - 4:15** | **Hands-On Scanning – Session 4 (OB)** |

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

**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.

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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 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 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 abdominal ultrasound examinations.
2. Demonstrate proper transducer manipulation and system optimization to produce diagnostic images.
3. Perform scan protocols and routine measurements that are utilized during an abdominal ultrasound evaluation.
4. Identify normal/abnormal imaging characteristics of the liver, gallbladder, pancreas, spleen, kidneys and abdominal vasculature.
5. Cite Doppler/color physics principles and be able to (sonographers) apply these principles to optimize system controls or (physicians) utilize this information for identifying technical errors which may result in misdiagnosis (optional lecture).
6. Demonstrate routine examination protocols associated with the ultrasound evaluation of renal artery stenosis (optional lecture).
7. Differentiate normal/abnormal characteristics for the evaluation of the thyroid, testes/scrotum, and appendix.
8. Perform ultrasound evaluation of the trauma patient (FAST exam).
9. Demonstrate the use of ultrasound for evaluation of soft-tissue pathology.
10. Increase confidence to incorporate protocols, scan techniques & interpretation criteria to improve diagnostic/treatment accuracy.
11. Increase the participants' knowledge to better perform and/or interpret gynecology and obstetrical ultrasound examinations.
12. Demonstrate proper transducer manipulation and system optimization to produce diagnostic images.
13. Demonstrate routine scan protocols for performing transabdominal & endovaginal GYN scanning, and 1st trimester obstetric applications.
14. State the normal and abnormal imaging characteristics of the ovaries and uterus and differentiate commonly seen pathology.
15. List the indications and ultrasound findings for suspicion of an ectopic pregnancy.
16. Identify normal fetal anatomy and perform biophysical profile.
17. Apply appropriate measurement techniques to assess fetal dates and appropriate fetal development.
18. Recognize commonly seen fetal abnormalities and their corresponding ultrasound imaging characteristics.
19. Increase confidence 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 or interpretation of Abdominal and OB/GYN Ultrasound Examinations. We recommend working under supervised conditions until an acceptable 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).*

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## Disclosure of Individuals in Control of Content

*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

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# *Welcome!!*

The entire staff at Gulfcoast Ultrasound Institute would like to welcome you to our educational facility.

Our goal is to provide the highest quality continuing education possible in a relaxed and personal atmosphere. The content of each program has been carefully planned to provide you with the information needed to obtain a firm foundation to begin gaining the experience to perform and/or interpret ultrasound examinations in the specialty of your choice. The program will be structured with lectures in the morning and hands-on sessions during the afternoon to allow more individualized attention the program participants will be divided into groups for the hands-on workshops based on your experience level and type of equipment you work with.

*To help you get the most out of this program we would like to make the following recommendations:*

1. Attend the lectures and scheduled hands-on sessions.

2. When you are not involved in a scheduled afternoon session, take advantage of the SUPPLEMENTAL SCANNING WORKSHOP or check out a DVD from our library.

3. If you do not understand a particular concept ASK FOR HELP!

4. Study your course workbook during the evening.

5. Remember excellence is not achieved overnight. Becoming proficient in any ultrasound specialty requires the commitment to continually study, and perform multiple (at least 100) exams before an initial level of confidence is achieved. The AIUM guidelines suggest competency for interpretation requires a minimum of 500 exams per specialty.

6. Begin scanning immediately upon return to the ultrasound departments even if it's on a volunteer. We recommend scanning/interpretations under supervised conditions until an accepted level of proficiency has been obtained.

All of our instructors, guest speakers and office staff are here to serve you! If you have any questions of any kind, please do not hesitate to ask.

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## *Gulfcoast Ultrasound Institute*
## EQUIPMENT RECOMMENDATIONS

Throughout the past 35 years Gulfcoast Ultrasound Institute has taken great pride in our ability to provide quality continuing education programs while remaining unbiased regarding the recommendation of ultrasound equipment.

Our programs are supported by most of the major equipment manufactures by providing their systems for use during the hands-on sessions. These companies have learned their products will be used and demonstrated to the best of our abilities in an educational setting and that no selling or promotion is done on our premises.

We realize that some of the course participants may currently be in the process of evaluating equipment for purchase and would like the opinions of our staff to determine the “best” system for your department. Everyone has a “favorite” ultrasound system (usually because it is the one they have worked with the most and are comfortable with) however, Gulfcoast Ultrasound must take an unbiased position in regards to equipment recommendations.

If you are currently evaluating equipment for purchase we suggest you invite the equipment manufacturers to your facility for a private demonstration to determine image quality, ease of use, over-all capabilities etc. on an individual basis.

Thank you!

Lori Green BA, RT, RDMS, RDCS, RVT

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