



# Musculoskeletal Ultrasound Registry Review

October 19 – 20, 2020

Monday, October 19, 2020		
7:30	Continental Breakfast	
7:45	Ultrasound Evaluation of the Foot & Ankle - Anatomy & Physiology - Scan Protocols & Normal Sonographic Characteristics	Imran James Siddiqui, MD, RMSK
8:45	Break	
9:00	Ultrasound Evaluation of Foot/Ankle Pathology	
10:00	Integration of Data & Treatment	
10:30	Break	
10:45	Ultrasound Evaluation of the Hand/Wrist - Anatomy & Physiology Scan Protocols & Normal Sonographic Characteristics	Imran James Siddiqui, MD, RMSK
11:15	Ultrasound Evaluation of hand/wrist pathology	
12:00	Integration of Data	
12:30	Lunch	
1:30	Ultrasound Evaluation of the Knee - Anatomy & Physiology Scan Protocols & Normal Sonographic Characteristics	
2:15	Ultrasound Evaluation of knee pathology	
3:00	Break	
3:15	Integration of Data	
3:30	Mock Exam	
4:30	Adjourn	
Tuesday, October 20, 2020		
7:30	Welcome/Introductions and Continental Breakfast	
7:45	Ultrasound Evaluation of the Shoulder - Anatomy & Physiology - Scan Protocols & Normal Sonographic Characteristics	Jon Jacobson, MD, RMSK
8:45	Break	
9:00	Ultrasound Evaluation of Shoulder Pathology & Soft Tissue	
	Integration of Data & Treatment	
10:15	Break	
10:30	Ultrasound Evaluation of the Elbow - Anatomy & Physiology - Scan Protocols & Normal Sonographic Characteristics	Jon Jacobson, MD, RMSK
11:00	Ultrasound Evaluation of Elbow Pathology & Soft Tissue	
11:30	Ultrasound Evaluation of the Hip - Anatomy & Physiology Scan Protocols & Normal Sonographic Characteristics	
12:10	Lunch	
1:15	Ultrasound Evaluation of Hip Pathology & Soft Tissue	
2:15	Break	
2:30	Interventional Procedures	
3:15	Break	
3:30	Mock Exam 1	
4:30	Adjourn	



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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 13.75 *AMA PRA Category 1 Credits*<sup>™</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the educational activity.

Successful completion of this CME activity, which includes participation in the evaluation component, enables the participant to earn up to 13.75 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.

## **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 MSK ultrasound examinations.
2. Outline appropriate transducer selection, system optimization, and identify commonly seen artifacts associated with MSK ultrasound.
3. State scanning protocols for performing shoulder, elbow, wrist/hand, knee, ankle, foot and hip ultrasound examinations.
4. Identify normal anatomy during musculoskeletal ultrasound imaging.
5. Recognize ultrasound characteristics of commonly seen pathology of the shoulder, knee, elbow, wrist hand, ankle, foot, and hip.
6. Outline the use of MSK sonography for diagnosis and treatment options, including ultrasound-guided interventions.
7. Integrate all patient and imaging data for effective analysis of examination results.
8. Identify areas of that may require further study
9. Increase knowledge and competence for successful registry examination completion.

While offering CME credits this activity is not intended to provide extensive training or certification for performing or interpreting musculoskeletal examinations. We recommend working under supervised conditions until an accepted level of proficiency has been achieved.

No financial commercial support or educational grants were received for this activity & 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:**

#### **Jon Jacobson, MD, RMSK**

Professor of Radiology  
Director, Div. of Musculoskeletal Radiology  
University of Michigan Medical Center  
Ann Arbor, Michigan  
*No relevant financial relationships to disclose*

#### **Imran James Siddiqui, MD, RMSK**

Metro Orthopedics and Sports Medicine  
Silver Spring, MD  
*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*

### 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*

### **HANDS-ON INSTRUCTORS:**

No hands-on instruction is performed for this course.



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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 33 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