

OB/GYN Ultrasound Course

2024

24 AMA PRA Category 1



OB/GYN Ultrasound

Faculty: Debbie Robertson, BS, RDMS

Welcome to Advanced Health Education Center

As the Senior Vice President, I would like to thank you for choosing Advanced Health Education Center's (AHEC) for your Ultrasound training course. The faculty, staff, and fellow students join me in welcoming you. We will make reasonable efforts to ensure that your time with us is enjoyable as well as educational. These courses are designed to help you develop the skills and acquire the information necessary to perform at a high level of competency in sonography. There are various areas in which you will be evaluated during the course to ensure your learning and success.

AHEC has been a leading provider of continuing education for healthcare professionals in imaging sciences since 1988. Our mission is to provide you with evidence-based education and training that will increase your knowledge, enhance your competency, and improve patient care. Since receiving ACCME Accreditation in 1998, we have assisted in the development of ultrasound skills for physicians, sonographers, nurses, midwives and other healthcare professionals.

The registration packet is designed to provide students with general information regarding AHEC, course information, CME credit, and disclosure of relevant financial interest. We wish you well in your professional advancements and are here to assist you in pursuing your educational goals. Please contact us if we can be of further assistance to you at 1-800-239-1361.

Congratulations and good luck pursuing your professional goals!

Best,



KReddix

Kelli Reddix, MBA, BAAS, LVN

Senior Vice President

Phone 1-800-239-1361 • 8502 Tybor, Houston, Tx, 77074



OB/GYN Ultrasound

Faculty: Debbie Robertson, BS, RDMS

Course Overview

Event Location: Advanced Health Education Center
8502 Tybor Drive
Houston, Texas, 77074

Credit: 24 AMA PRA Category 1™

Time: 8:00 am – 5:00 pm

Instructor: Debbie Robertson, BS, RDMS

Course Description:

The three-day ultrasound program is a systematic presentation of obstetric and gynecological scanning using an integrated teaching approach of lecture, assigned reading, testing, demonstration, and clinical scanning of models. Didactic training is reinforced through clinical laboratory experience.

Boost your confidence by attending our three-day OB/GYN ultrasound course that is focused on the ultrasound examination and evaluation of the female pelvis. Each day begins with lecture, including physics, instrumentation, female anatomy, fetal biometry. Case studies will be presented to familiarize the participants with normal and abnormal findings.

Participants will finish the day in our on-site scanning lab, where they will benefit from live models and hands on experience supervised by a faculty member. The course will give participants the skills and knowledge necessary to complete and understand an ultrasound using transabdominal and endovaginal protocols according to AIUM guidelines.

Faculty: Debbie Robertson, BS, RDMS - No relevant financial relationships to disclose.

Course Objectives:

At the completion of this course, the learner will be able to:

- Utilize the principles of instrumentation to obtain diagnostic images
- Recognize normal and abnormal pelvic anatomy
- Identify the difference in techniques related to transabdominal and endovaginal pelvic scanning techniques
- Identify basic fetal anatomy and biophysical profile
- Identify basic fetal anomalies and their ultrasound appearance
- Apply appropriate measurement techniques in transabdominal and endovaginal scanning
- Identify ultrasound findings in evaluating ectopic pregnancy

Course Topics:

- Introduction to ultrasound physics and instrumentation
- Pelvic anatomy transabdominal and endovaginal
- Fetal anatomy and biometry
- AIUM Scan protocols and patient preparation
- Placenta and fetal Doppler
- Fetal anomalies
- Case studies



OB/GYN Ultrasound

Faculty: Debbie Robertson, BS, RDMS

Course Schedule

Lecture 8am-12 noon | Lunch 12-1pm | Scan Lab 1pm-5pm

Day One

8:00am -12:00pm

- Introduction
- Physics and Instrumentation
- Basic Pelvic Ultrasound
- Pelvic Orientation and Imaging for transabdominal and endovaginal
- Imaging Uterine and Ovarian pathology
- Sonohysterography Video
- GYN Case Studies

1:00pm-5:00pm

- Hands-on Demonstration/Participation with live models for Gynecological Scanning

Day Two

8:00am-12:00pm

- Abnormal 1st Trimester Ultrasound
- Multiple Gestations
- OB 1 Case Studies
- Ectopic Pregnancy
- 2nd/3rd Trimester Biometry

1:00pm-5:00pm

- Hands-on Demonstration/Participation with live models for 1st Trimester Scanning

Day Three

8:00am-12:00pm

- Review 2/3 Biometry
- ON Normal and Abnormal Anatomy
- Placenta
- BPP, IUGR, Cord Doppler
- Fetal Echo
- Fetal Echo Video
- Balance/3D

1:00pm-5:00pm

- Hands-on Demonstration/Participation with live models for 2nd and 3rd Trimester Scanning



OB/GYN Ultrasound

Faculty: Debbie Robertson, BS, RDMS

Skills Checklist

The participant demonstrates an understanding of navigating the instrumentation of the machine.

Physics and Instrumentation

- Power Button
- Preset Parameters
- Depth Button
- Calipers
- Measurement calculation
- Cine Loop
- Freeze Button
- Zoom
- Gain Button
- Time Gain Compensation
- M-mode
- Pulse Doppler Settings
- Color Doppler Settings
- Color Power Doppler
- Care of the Transducer
- Quality Assurance

The participant understands the proper techniques for cleaning and care of the transducers.

Be able to scan for GYN both transabdominal and transvaginal.

- Cervix
- Uterus
- Endometrium
- Ovaries
- Fallopian Tubes
- Adnexa

Be able to perform 1st, 2nd, and 3rd, trimester OB Scans

- FHR
- Gestational Sac
- CRL
- Cisterna Magna
- Lateral Ventricle
- Nuchal Fold
- BPD
- Head Circumference
- Abdominal Circumference
- Femur Length
- Four Chamber Heart
- Stomach
- Three Vessel Cord
- Kidneys
- Bladder
- Cord Insertion
- Placenta
- AFI



OB/GYN Ultrasound

Faculty: Debbie Robertson, BS, RDMS

CME Credit:

- “The Advanced Health Education Center is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.”
- “The Advanced Health Education Center designates this educational activity for a maximum of 24 hours AMA PRA Category I™. Physician should claim credit commensurate with the extent of their participation in the activity.”

AHEC Cancellation and Refund Policy for Skills Courses:

AHEC defines a skills course as a limited enrollment course where a received registration with payment reserves your place in a course (i.e. all Ultrasound courses, Mammography Initial Training and other theory courses). For cancellations received at least two weeks prior to the course date, a refund less a 30% processing fee will be given. Within two weeks of the course, no refund is given, but a tuition credit – less a 30% processing fee – may be applied to a future course. No refunds or tuition credit is given for non-attendance. Facilities may substitute employees by notification to AHEC at least one week in advance.

Disclosure of Relevant Financial Interest for Individuals in Control of Content:

As a provider accredited by the ACCME, Advanced Health Education Center, Ltd ensures balance, independence, objectivity, and scientific rigor in all of its sponsored educational activities.

In addition to the identified CME faculty member for an educational activity, all non-faculty, including committee members and administrative personnel involved in the planning, development or production of the sponsored activity and/or authorship or review of enduring materials do not have any relevant financial interest to disclose. Financial interest includes but is not limited to relationships with commercial companies, manufacturers, or corporations, whose products or services are related to the subject matter of the presentation within the prior 12 months.

The individuals listed below are acknowledged by AHEC as having control of the content, planning, development or administrative support of all educational activities.

- Marilyn Sackett, M.Ed, RT (R), Committee Member
 - AHEC: President
 - No relevant financial interest to disclose
- Jence Cantu, MHA RT(R) - Committee Member
 - AHEC: Chief Executive Officer (CEO)
 - No relevant financial interest to disclose



OB/GYN Ultrasound

Faculty: Debbie Robertson, BS, RDMS

- Peggy Hoosier, M.Ed RT(R)(M) - Program Director
 - AHEC: Chief Operating Officer (COO)
 - No relevant financial interest to disclose
- Kelli Reddix, MBA, BAAS, LVN - Planning Committee
 - AHEC: Senior Vice President
 - No relevant financial interest to disclose
- Nanette Joiner
 - AHEC: Administrative Support
 - No relevant financial interest to disclose
- Debbie Robertson, BS, RDMS
 - Ultrasound Faculty
 - No relevant financial interest to disclose
- Virlene Guzman, RT(R), RDMS, RVT
 - Ultrasound Faculty
 - No relevant financial interest to disclose
- Shawn Shanmuganathan, BS, RDMS, RVT
 - Ultrasound Faculty
 - No relevant financial interest to disclose

Content Validation:

All presentations designated for AMA PRA Category 1™ are reviewed and approved by members of the curriculum committee for content validity, and to ensure that no conflicts of interest exist prior to the advertisement and delivery of the educational activity.

The faculty and staff at AHEC welcome you!