

2021 Advances in First Trimester Ultrasound Imaging

Release Date: September 1, 2021 | 12.5 AMA PRA Category 1 Credit(s)TM

About This CME Teaching Activity

This CME Activity is structured as a practical, clinically oriented review of recent advances in first trimester ultrasound. A mix of topics including comprehensive normal fetal anatomy along with abnormalities of major organ systems in the first trimester will be discussed. Recent updates to the guidelines and indications for imaging in the first trimester are also discussed. Expert faculty also share image optimization tips and pitfalls.

Target Audience

This program is designed for obstetricians and gynecologists, maternal-fetal medicine physicians, radiologists, family medicine physicians, genetic counselors and sonographers, who order, perform and interpret ultrasound examinations in obstetrics and gynecology. The goal of this educational activity is to bring the level of practice for the health practitioners to a higher degree of proficiency in obstetric sonography.

Scientific Sponsor

Educational Symposia

Accreditation

Physicians: Educational Symposia is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

Educational Symposia designates this enduring material for a maximum of 12.5 AMA PRA Category 1 Credit(s)TM. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

All activity participants are required to take a written or online test in order to be awarded credit. (Exam materials, if ordered, will be sent with your order.) All course participants will also have the opportunity to critically evaluate the program as it relates to practice relevance and educational objectives.

AMA PRA Category 1 Credit(s)TM
for this activity may be claimed until August 31, 2024.

This program is planned and organized by Educational Symposia, a leader in accredited continuing education since 1975.

This activity was planned and produced in accordance with the ACCME Essential Areas and Elements.

Educational Objectives

At the completion of this CME teaching activity, you should be able to:

- Assess normal fetal anatomy in the first trimester.
- Explain the indications and national guidelines for first trimester ultrasound.
- Optimize scanning parameters and techniques of the first trimester ultrasound examination.
- Review major fetal malformations that can be diagnosed in early gestation.
- Discuss the use of ultrasound in screening for fetal aneuploidy in the first trimester.

No special educational preparation is required for this CME activity.

Faculty

Alfred Abuhamad, M.D.

*Professor and Chairman
Department of Obstetrics and Gynecology
Vice Dean for Clinical Affairs
Eastern Virginia Medical School
Norfolk, VA*

Reem S. Abu-Rustum, M.D., FACOG, FACS, FAIUM

*Associate Professor
Division of Maternal Fetal Medicine
Department of Obstetrics and Gynecology
University of Florida
Gainesville, FL*

Beryl R. Benacerraf, M.D.

*Professor of Obstetrics, Gynecology and
Reproductive Biology, Part-time
Professor of Radiology, Part-time
Brigham and Women's Hospital
Department of Obstetrics Gynecology and
Reproductive Biology
Harvard Medical School
Boston, MA*

Bryann Bromley, M.D.

*Professor of Obstetrics, Gynecology and
Reproductive Biology, Part time
Massachusetts General Hospital
Harvard Medical School
Diagnostic Ultrasound Associates, partner
Boston, MA*

Lawrence D. Platt, M.D.

*Director Center for Fetal Medicine and Women's
Ultrasound
Professor (Clinical) Ob Gyn David Geffen School of
Medicine at UCLA
Los Angeles, CA*

Elena Sinkovskaya, M.D., Ph.D.

*Associate Professor of Obstetrics and Gynecology
Director of Ultrasound Research & Education
Division of Maternal-Fetal Medicine
Eastern Virginia Medical School
Norfolk, VA*

Program

SESSION 1

The New "Detailed First Trimester Ultrasound": National Guidelines
Bryann Bromley, M.D.

How to Get the Best Ultrasound Image in the First Trimester
Alfred Abuhamad, M.D.

First Trimester Ultrasound: Pregnancy Dating & Elements of
Failed Pregnancy
Beryl R. Benacerraf, M.D.

Genetic Screening and Diagnosis in Early Gestation
Lawrence D. Platt, M.D.

SESSION 2

The Role of First Trimester Ultrasound in the Evaluation of
Multiple Pregnancies
Reem S. Abu-Rustum, M.D., FACOG, FACS, FAIUM

Ectopic Pregnancy: Role of Ultrasound In Diagnosis & Management
Beryl R. Benacerraf, M.D.

Scanning Demonstration 1: The Detailed First Trimester Ultrasound
Reem S. Abu-Rustum, M.D., FACOG, FACS, FAIUM

SESSION 3

Case Presentation 1
Elena Sinkovskaya, M.D., Ph.D.

Just Images: Normal & Abnormal Fetal Anatomy in Early Gestation
Bryann Bromley, M.D.

First Trimester Ultrasound: The Fetal Brain
Elena Sinkovskaya, M.D., Ph.D.

First Trimester Ultrasound: The Fetal Face & Neck
Beryl R. Benacerraf, M.D.

Question and Answer Session: Pearls in First Trimester Ultrasound
Faculty

SESSION 4

First Trimester Ultrasound: The Fetal Heart
Reem S. Abu-Rustum, M.D., FACOG, FACS, FAIUM

First Trimester Ultrasound: The Fetal Gastrointestinal Tract
Lawrence D. Platt, M.D.

First Trimester Ultrasound: The Fetal Genitourinary Tract
Alfred Abuhamad, M.D.

First Trimester Ultrasound: The Fetal Skeletal System
Lawrence D. Platt, M.D.

SESSION 5

Case Presentation 2
Elena Sinkovskaya, M.D., Ph.D.

Ultrasound Scanning Demonstration 2: Focus on the Fetal Heart
Elena Sinkovskaya, M.D., Ph.D.

The Placenta & Umbilical Cord in Early Gestation
Elena Sinkovskaya, M.D., Ph.D.

Question and Answer Session: Anatomy in the First Trimester
Faculty

SESSION 6

Placenta Accreta Spectrum: Sonographic Markers in Early Gestation
Bryann Bromley, M.D.

Adnexal Masses: What's Benign & What's Malignant
Alfred Abuhamad, M.D.

Congenital Mullerian Malformations: Role of 3D Ultrasound in Diagnosis
Beryl R. Benacerraf, M.D.

Case Presentation 3
Elena Sinkovskaya, M.D., Ph.D.

SESSION 7

Examination of the Fetal Brain
Elena Sinkovskaya, M.D., Ph.D.

The Mid Sagittal Plane in the First Trimester: Putting it all Together
Reem S. Abu-Rustum, M.D., FACOG, FACS, FAIUM

Case Presentation 4
Elena Sinkovskaya, M.D., Ph.D.

A CME Teaching Activity

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