A CME Teaching Activity

# 2019 Advances in OB/GYN Ultrasound Imaging





15.0 AMA PRA Category 1 Credit(s)™

Release Date: August 1, 2019





#### **About This CME Teaching Activity**

This activity provides a practical, clinically oriented review of recent advances in first trimester and OB/GYN ultrasound. A mix of topics including comprehensive normal fetal anatomy and abnormalities of major organ systems in the first trimester is discussed. Updates to current guidelines and indications for imaging in the first trimester and evaluation of OB/GYN emergencies are presented. Tips, images, and pitfalls shared by the renowned faculty provide balance to the program.

#### **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 15.0 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)™ for this activity may be claimed until July 31, 2022.

This CME activity was planned and produced by Educational Symposia, a leader in continuing medical 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.
- Utilize ultrasound to assess patients with pelvic disorders.
- Demonstrate increased knowledge into the applications of OB/GYN scanning procedures.

No special educational preparation is required for this CME activity.



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Faculty Program

#### 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 Institution Brigham and Women's Hospital Department of Obstetrics Gynecology & Repro. Bio. Harvard Medical School Boston, MA

#### Bryann Bromley, M.D.

Professor of Obstetrics, Gynecology and Reproductive Biology; Part-time Massachusetts General Hospital Harvard Medical School 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

#### Leslie M. Scoutt, M.D.

Professor of Radiology, Surgery & Cardiology Vice Chair for Education, Department of Radiology & Biomedical Imaging Medical Director of the Non-Invasive Vascular Lab Yale School of Medicine New Haven, CT

#### 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

#### Thomas C. Winter, III, M.D., FACR

Professor of Radiology and OB-Gyn Director of Body Imaging University of Utah School of Medicine Salt Lake City, UT

#### Session 1

Updates on Guidelines for First Trimester Ultrasound

Bryann Bromley, M.D.

Optimizing Your Approach to the First Trimester Ultrasound Examination *Alfred Abuhamad, M.D.* 

Updates on Prenatal Genetic Screening & Diagnosis in Early Gestation Lawrence D. Platt, M.D.

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

#### Session 2

First Trimester Ultrasound: Pregnancy Dating & Elements of Failed Pregnancy Bryann Bromley, M.D.

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

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

#### Session 3

Ultrasound Scanning Demonstration: Fetal Anatomy in Early Gestation with a Focus on the Fetal Brain Elena Sinkovskaya, M.D., Ph.D.

Just Images: Normal & Abnormal Anatomy in Early Gestation Reem S. Abu-Rustum, M.D., FACOG, FACS, FAIUM

The Detailed First Trimester Ultrasound: A Comprehensive Approach to Fetal Malformations

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

First Trimester Ultrasound and the Fetal Central Nervous System *Elena Sinkovskaya, M.D., Ph.D.* 

#### Session 4

The Face and Neck in Early Gestation Beryl R. Benacerraf, M.D.

Fetal Cardiac Imaging in the First Trimester Alfred Abuhamad, M.D.

The Fetal Gastrointestinal System in Early Gestation

Lawrence D. Platt, M.D.

Characterizing Adnexal Masses in Early Gestation Beryl R. Benacerraf, M.D.

#### Session 5

Case Presentation 2 Bryann Bromley, M.D.

Ultrasound Scanning Demonstration: Fetal Anatomy in Early Gestation with a Focus on the Fetal Heart Reem S. Abu-Rustum, M.D., FACOG, FACS, FAIUM

Skeletal Abnormalities in Early Gestation

Lawrence D. Platt, M.D.

Ultrasound of the Urogenital System in Early Gestation Alfred Abuhamad, M.D.

#### Session 6

Ultrasound Markers of Placenta Accreta in Early Gestation Bryann Bromley, M.D.

The Placenta & Umbilical Cord in Early Gestation

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

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

The Mid Sagittal Plane in the First Trimester: Putting it all Together Alfred Abuhamad, M.D.

#### Session 7

Obstetric Sonography: Dos and Don'ts Thomas C. Winter, III, M.D., FACR

Ultrasound of the Endometrium and SIS Thomas C. Winter, III, M.D., FACR

#### Session 8

1st Trimester Ultrasound Leslie M. Scoutt, M.D.

Ectopic Pregnancy Leslie M. Scoutt, M.D.

Pelvic Pain Leslie M. Scoutt, M.D.

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