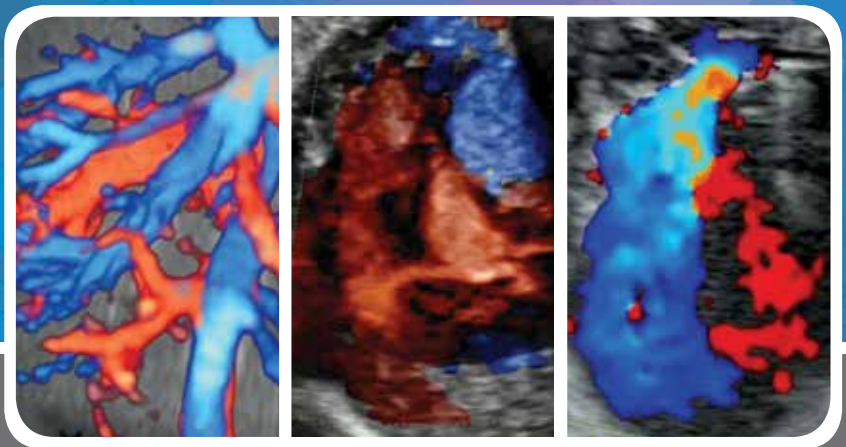


A CME Teaching Activity

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2015 Fetal Echocardiography: Normal and Abnormal Hearts

Designated for SA-CME



16.25 AMA PRA Category 1 Credit(s)TM

Release Date: December 15, 2014

ESI Educational
Symposia

About This CME Teaching Activity

This CME teaching activity provides detailed information on the evaluation of the normal fetal heart both from an anatomic and functional approach. In keeping with progress in this field, detailed information on the use of three dimensional ultrasound in fetal echocardiography and cardiac imaging in the early gestation is presented. The course also provides comprehensive evaluation of various cardiac malformations, involving abnormalities of the cardiac chambers and the outflow tracts.

Target Audience

This course will greatly benefit physicians and sonographers in the fields of obstetric imaging, fetal echocardiography and pediatric cardiology. Residents in obstetrics and gynecology, as well as fellows in maternal fetal medicine and pediatric cardiology, will also benefit greatly. It should also prove valuable to those physicians and sonographers wanting to gain a more in depth knowledge of fetal echocardiography.

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 16.25 *AMA PRA Category 1 Credit(s)*[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

SA-CME: Credits awarded for this enduring activity are designated “SA-CME” by the American Board of Radiology (ABR) and qualify toward fulfilling requirements for Maintenance of Certification (MOC) Part II: Lifelong Learning and Self-assessment.

All activity participants are required to pass a written or online test with a minimum score of 70% 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 December 14, 2017.

This CME activity was planned and produced by Educational Symposia,
the leader in diagnostic imaging 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:

- Discuss the indications for fetal echocardiography, review existing guidelines and the approach to patient counseling.
- Optimize ultrasound equipment for the use of 2D, 3D and Doppler in fetal echocardiography.
- Review the normal fetal cardiac anatomy.
- Identify abnormalities of the venous system of the fetal heart.
- Discuss in detail anomalies of the cardiac chambers to include septal defects and anomalies of the right and left ventricle.
- Review in detail anomalies of the outflow tracts to include transposition of great arteries, tetralogy of Fallot complex and aortic arch abnormalities.

No special educational preparation is required for this CME activity. © 2014 Educational Symposia

Faculty

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Norfolk, VA*

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Chandler, AZ*

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Program

Session 1

National and International Guidelines for Fetal Echocardiography: Credentialing and Study Protocol

Alfred Abuhamad, M.D.

Optimizing Your Image in Fetal Echocardiography: Tips and Tricks

Rabih Chaoui, M.D.

Normal Anatomy of the Fetal Cardiac Chambers; A Clinical Approach

Julia E. Solomon, MDCM, FACOG

Session 2

Assessment of Cardiac Function: Existing Tools and Clinical Application including Case Presentation 1

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

Atrioventricular Septal Defect

Anita J. Moon-Grady, M.D.

Hypoplastic Left Heart Syndrome

Jack Rychik, M.D.

Right Ventricle Abnormalities, Ebstein Anomaly, Tricuspid Atresia & Tricuspid Dysplasia

Alfred Abuhamad, M.D.

Session 3

Ventricular Septal Defects: Optimizing Diagnosis

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

Hands-On Scanning - Session 1

The Fetal Echocardiography Examination

Alfred Abuhamad, M.D.

Heterotaxy Syndrome

Anita J. Moon-Grady, M.D.

Single Ventricle Anomalies: Prenatal Diagnosis and Prognosis

Jack Rychik, M.D.

Session 4

Evaluation of Extra Cardiac Anomalies Associated with Congenital Heart Disease Including Case Presentation 2

Julia E. Solomon, MDCM, FACOG

Session 4 (continued)

Hands-On Scanning - Session 2
Color and Pulsed Doppler in Fetal
Echocardiography

Julia E. Solomon, MDCM, FACOG

Session 5

Normal Anatomy of the Cardiac Outflow Tracts

Alfred Abuhamad, M.D.

The 3-Vessel View: Relevance to Screening and
Diagnosis of Congenital Heart Disease

Julia E. Solomon, MDCM, FACOG

Segmental Approach to the Assessment of the
Fetal Venous System

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

Anomalous Pulmonary Venous Return:
Clues to Diagnosis

Anita J. Moon-Grady, M.D.

Session 6

Case Presentation 3

Jack Rychik, M.D.

D-Transposition of Great Vessels

Jack Rychik, M.D.

Corrected Transposition of Great Vessels and
Ventricular Inversion

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

Tetralogy of Fallot, Double Outlet, Right
Ventricle and Common Arterial Trunk

Alfred Abuhamad, M.D.

Anomalies of the Aortic Arch

Rabih Chaoui, M.D.

Session 7

Hands-On Scanning - Session 3
Fetal Echocardiography in Early Gestation

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

Role of Fetal Cardiac Evaluations in Twin-Twin
Transfusion Syndrome

Anita J. Moon-Grady, M.D.

Session 7 (continued)

The Heart in the Right Chest:
Differential Diagnosis

Rabih Chaoui, M.D.

Fetal Arrhythmias: Techniques for Evaluation
and Management

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

Session 8

Case Presentation 4

Anita J. Moon-Grady, M.D.

Hands-On Scanning - Session 4
3D/4D in Fetal Echocardiography

Rabih Chaoui, M.D.

Subtle Echo Clues, Serious Cardiac
Abnormalities

Anita J. Moon-Grady, M.D.

3D/4D Ultrasound in Fetal Echocardiography

Julia E. Solomon, MDCM, FACOG

Session 9

Impact of Prenatal Diagnosis of Heart
Anomalies on Maternal Psychological Stress

Jack Rychik, M.D.

Screening for Congenital Heart Disease in Early
Gestation

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

Optimizing Imaging of the Heart in Early
Gestation: What Can We See?

Alfred Abuhamad, M.D.

Session 10

Just Images: Fetal Cardiac Anomalies

Rabih Chaoui, M.D.

Tips & Tricks of Cardiac Imaging

Alfred Abuhamad, M.D.

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