

AVAILABLE NOW  
ON-DEMAND,  
USB, OR DVD

A CME Teaching Activity

# 2021

# Fetal Echocardiography:

## Normal and Abnormal Hearts

---

### Designated for SA-CME

---

18.5 AMA PRA Category 1 Credit(s)<sup>TM</sup>

Release Date: March 1, 2021

**ESI** Educational  
Symposia

docmed**ED**com

## About This CME Teaching Activity

Fetal Echocardiography: Normal and Abnormal Hearts is a comprehensive review of this important and rapidly progressing field of fetal cardiology.

The renowned international faculty 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 addressed. The CE activity also provides comprehensive evaluation of various cardiac

malformations, involving abnormalities of the cardiac chambers and the outflow tracts.

## Target Audience

This course targets 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, should 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 18.5 *AMA PRA Category 1 Credit(s)*<sup>™</sup>. 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 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)*<sup>™</sup> for this activity may be claimed until February 29, 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:

- Discuss indications for fetal echocardiography, review existing guidelines and the approach to patient counseling.
- Optimize ultrasound equipment for the use of 2D and Doppler in fetal echocardiography.
- Review the normal fetal cardiac anatomy.
- Describe the 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.*

## Faculty

### **Alfred Abuhamad, M.D.**

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

### **Tracy L. Anton, BS, RDMS, RDCS, FAIUM**

*Assistant Clinical Professor  
Department of Reproductive Medicine  
Ultrasound Practitioner  
University of California, San Diego  
San Diego, CA*

### **Bettina F. Cuneo, M.D.**

*Professor of Pediatrics and Obstetrics  
University of Colorado School of Medicine  
Children's Hospital Colorado  
Director of Perinatal Cardiology and Fetal Cardiac  
Telemedicine  
Colorado Institute for Maternal and Fetal Health  
Aurora, CO*

### **Edgar Jaeggi, M.D., FRCP(C)**

*Head, Fetal Cardiac Program  
Labatt Family Heart Center  
Professor of Paediatrics  
University of Toronto  
Senior Associate Scientist  
SickKids - Hospital for Sick Children  
Toronto, ON, CANADA*

### **Jack Rychik, M.D.**

*Robert and Dolores Harrington Endowed Chair in  
Pediatric Cardiology  
Director, Fetal Heart Program  
Professor of Pediatrics  
The Children's Hospital of Philadelphia  
Philadelphia, PA*

### **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*

### **Julia E. Solomon, MDCM, FACOG, FAIUM**

*Director-Fetal Diagnostic Center of Arizona  
Chandler, Arizona*

## Program

### **Session 1**

Fetal Echocardiography:  
How to Obtain the Best Image  
*Tracy L Anton, BS, RDMS, RDCS, FAIUM*

Normal Fetal Cardiac Anatomy:  
The Cardiac Chambers  
*Julia E. Solomon, MDCM, FACCOG, FAIUM*

How to Screen for Congenital Heart Disease  
in the First & Second Trimester  
*Elena Sinkovskaya, M.D., Ph.D.*

New National Guidelines  
for Fetal Echocardiography  
*Tracy L Anton, BS, RDMS, RDCS, FAIUM*

Just Images & Movie Clips:  
Do You Know the Diagnosis?  
*Elena Sinkovskaya, M.D., Ph.D.*

### **Session 2**

Anomalies of the Cardiac Chambers 1:  
Atrial and Ventricular Septal Defects  
*Julia E. Solomon, MDCM, FACCOG, FAIUM*

Anomalies of the Cardiac Chambers 2:  
Atrioventricular Septal Defects  
*Edgar Jaeggi, M.D., FRCP(C)*

Anomalies of the Cardiac Chambers 3:  
Hypoplastic Left Heart Syndrome & Critical  
Aortic Stenosis  
*Jack Rychik, M.D.*

Anomalies of the Cardiac Chambers 4:  
Abnormal Right Ventricle (Tricuspid Atresia,  
Ebstein Anomaly, Pulmonary Atresia with  
Intact Septum)  
*Bettina F. Cuneo, M.D.*

### **Session 3**

Case Presentation I  
*Tracy L Anton, BS, RDMS, RDCS, FAIUM*

Anomalies of the Cardiac Chambers 5:  
Single Ventricle-Type Congenital Heart  
Disease  
*Bettina F. Cuneo, M.D.*

Systemic Fetal Venous Malformations:  
A Standardized Approach to Diagnosis  
*Alfred Abuhamad, M.D.*

Fetal Ectopy and Tachyarrhythmias:  
Diagnosis & Management  
*Edgar Jaeggi, M.D., FRCP(C)*

Case Presentation II  
*Julia E. Solomon, MDCM, FACCOG, FAIUM*

## Session 4

### Case Presentation III

*Edgar Jaeggi, M.D., FRCP(C)*

### Panel Discussion - Question and Answer Session: The Cardiac Chambers & Cardiac Rhythm

*Faculty*

## Session 5

### Optimal Approach to Counseling for Fetal Congenital Heart Disease

*Jack Rychik, M.D.*

### Normal Fetal Cardiac Anatomy: The Three Vessel Trachea View

*Alfred Abuhamad, M.D.*

### Tips & Tricks of Fetal Echocardiography

*Tracy L Anton, BS, RDMS, RDCS, FAIUM*

### Genetic Aspects of Congenital Heart Disease

*Julia E. Solomon, MDCM, FACCOC, FAIUM*

### Just Images & Movie Clips:

#### Do You Know the Diagnosis?

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

## Session 6

### The Use of 3D/4D Ultrasound in Fetal Cardiac Imaging

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

### Anomalies of Great Vessels 1:

#### Transposition of Great Vessels

*Julia E. Solomon, MDCM, FACCOC, FAIUM*

### Anomalies of the Great Vessels 2:

#### Tetralogy of Fallot

*Alfred Abuhamad, M.D.*

### Anomalies of the Great Vessels 3:

#### Aortic Arch Abnormalities

*Jack Rychik, M.D.*

## Session 7

### Case Presentation IV

*Alfred Abuhamad, M.D.*

### Anomalies of Pulmonary Venous Return

*Jack Rychik, M.D.*

### Bradyarrhythmias and Long QT Syndrome

*Bettina F. Cuneo, M.D.*

### Fetal Cardiac Interventions

*Edgar Jaeggi, M.D., FRCP(C)*

### Case Presentation V

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

## Session 8

### Case Presentation VI

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

### Panel Discussion - Question and Answer Session: Normal Anatomy, Arrhythmias and Interventions

*Faculty*

## Session 9

### Update on Management of Pregnancies with Sjogren's Antibodies

*Bettina F. Cuneo, M.D.*

### Cardiac Imaging in Early Gestation

*Alfred Abuhamad, M.D.*

### Prenatal Evaluation of Cardiac Function

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

### Heterotaxy Syndrome

*Edgar Jaeggi, M.D., FRCP(C)*

### Just Images & Movie Clips:

#### Do You Know the Diagnosis?

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

## Session 10

### Review of Course: Fetal Cardiac Imaging Know What to Look For

*Alfred Abuhamad, M.D.*

### Case Presentation VII

*Tracy L Anton, BS, RDMS, RDCS, FAIUM*

### Panel Discussion - Question and Answer Session: Echocardiography Diagnostic Pearls & Pitfalls

*Faculty*

# *Your Choice* CME PROGRAMS *Anytime, Anywhere* *Your Convenience*

Lectures presented by top educators and speakers

Professionally produced and developed

Over 1,500 CME hours, with more added every day!

## On-Demand / Streaming

### Benefits:

- Instant Access to Lectures
- View Across Multiple Platforms (Tablet, Laptop, Desktop)
- CME Included
- Questions Follow Each Lecture
- Immediate Access to your CME Certificate
- Electronic Syllabus
- High Definition

## USB / DVD

### Benefits:

- Compact and Portable
- Sharable
- Online CME Test Available
- Electronic CME Certificate
- Electronic Syllabus
- High Definition on USB



## Do Others in Your Group Need CME?



## Options for Additional Users (After Purchase of 1 Full Set)

### OPTION 1:

#### Share USB / DVD

Electronic	-	Paper
\$95		\$125

CME Pricing Above

### OPTION 2:

#### On-Demand / Streaming

\$195

CME Included

### OPTION 3:

#### USB / DVD

\$295 - \$365

CME Included



# WATCH | ON USB, DVD OR

Call (813) 806-1000 or Visit [Edusymp.com](http://Edusymp.com) & Search **FEV21**

CME Teaching Activity

**2021 Fetal Echocardiography: Normal and Abnormal Hearts**

**FREE COLOR**

**SYLLABUS on USB**

with purchase of entire set

AMA PRA Category 1 Credit(s)<sup>TM</sup> Available until **February 29, 2024**

☐ DVD

☐ USB

**SUBTOTAL**

**ENTIRE SET** - 18.5 AMA PRA Category 1 Credit(s)<sup>TM</sup>

**\$1,495**

**SYLLABUS:** USB **INCLUDED** with USB or DVD (Purchase Full Color Printed \$95.00 each)

# \_\_\_\_\_

**SUBTOTAL**

For orders sent to a Florida address, please add 8.5% sales tax

**CME APPLICATION**

1 application required per person

**SUBTOTAL**

**ENTIRE SET**

☐ Online # \_\_\_\_ at \$95 each ☐ Paper # \_\_\_\_ at \$125 each

**CME ADD PACKS**

Includes Video Series, Syllabus & CME Application after initial purchase for additional users.

**SUBTOTAL**

**ENTIRE SET**

CME Type: ☐ Online # \_\_\_\_ ☐ Paper # \_\_\_\_

**\$295**

**SHIPPING**

*\*Customer is solely responsible for the cost of duties, customs, tariffs, import fees and/or other costs associated with your order*

**SUBTOTAL**

**Domestic**

☐ Ground Shipping **INCLUDED**

☐ Overnight (\$75)

☐ 2nd Day (\$45)

☐ 3rd Day (\$30)

**International\*** ☐ \$175 (excluding Canada or Mexico)

☐ Mexico & Canada \$75

**GRAND TOTAL**

Name

☐ M.D. ☐ D.O. ☐ Ph.D. ☐ P.A. ☐ Other

Company / Hospital

Specialty

Group Practice Name

Address No P.O. Boxes. / We cannot be responsible for non-delivery when we receive an incorrect address.

City / State / Zip / Country

Phone

Email - For Shipment Notification & Online Test

Card Number

Exp. Date

Security Code

Billing Address (If different than above)

City / State / Zip / Country

Cardholder Signature

## 4 EASY WAYS TO ORDER

We Accept



### INTERNET

On USB or DVD: [www.edusymp.com](http://www.edusymp.com)

On-Demand: [docmedED.com](http://docmedED.com)

### MAIL

Check payable to:

Educational Symposia  
5620 West Sligh Avenue  
Tampa, Florida 33634-4490

### FAX

(813) 806-1001

### PHONE

(813) 806-1000

**USB & DVD Cancellation Policy:** We offer a 15-day evaluation period to ensure the product meets your needs. If you are not satisfied, you may receive a refund within 15 days if you have watched less than 20% of your purchase. Cancellations must be received in writing.



# WATCH | ON-DEMAND

Stream Today - [docmedED.com](https://www.docmedED.com)

CME Teaching Activity

**2021 Fetal Echocardiography: Normal and Abnormal Hearts**

**\$1,480**  
ENTIRE SERIES

**NOW AVAILABLE - STREAMING CME PACKS \$195**

[docmedED.com](https://www.docmedED.com) On-Demand has

## CME FOR YOUR SPECIALTY

**ACCESS LECTURES ANYTIME, FROM ANYWHERE!** High quality video lectures on your computer, tablet, TV or any internet connected device. Lectures can be accessed as often as you like for up to 5 years. Visit [docmedED.com](https://www.docmedED.com) and choose 2021 Fetal Echocardiography: Normal and Abnormal Hearts to get started.



### QUICK AND EASY VIEWING:

**Step 1:** Visit [docmedED.com](https://www.docmedED.com) and create an account.

**Step 2:** Find a great lecture or in the search box enter the code **"FEV21"**.

**Step 3:** Purchase, Watch & Receive Your CME.

This CME teaching activity is available in its entirety, as individual lectures, as well as CME Packs. The platform will bookmark where you left off and allows you to resume when you return. Take your time and go at your own pace.

To claim CME credit complete the required test and short evaluation. Then print your certificate.

\*\* Internet connection is required to view this **on-demand** program.

This is not a downloadable product.

**On-Demand Cancellation Policy:** We offer a 15-day evaluation period to ensure the product meets your needs. If you are not satisfied, you may receive a refund within 15 days. Cancellations must be received in writing. Please note, there will be a \$125.00 processing fee as well as shipping charges applied to all refunds. No credit can be applied on returned purchases. (2+ returns voids cancellation policy.)

**VIEW CME**  
**Anywhere, Anytime!**

We Are Continually  
Adding To Our  
Comprehensive Library

[docmedED.com](https://www.docmedED.com)  
**ESI ON-DEMAND**