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12<sup>th</sup> Annual

# Fetal Echocardiography: Normal and Abnormal Hearts

**October 28 - 30, 2021**

Encore® at Wynn Las Vegas • Las Vegas, NV

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

## PAST ATTENDEES SAY:

*"The presentations were very well put together and having the slides were an added benefit. The case studies were essential to the presentations as they provided context and real life scenarios."*

*"Excellent course on a very complex subject. As always, Alfred makes it seem easy."*

*"Lecturers were well prepared. Slides were very effective. Overall the production was very high quality."*

**ESI** Educational  
Symposia



## ABOUT THE MEETING

It is with great pleasure that we present this course entitled Fetal Echocardiography: Normal and Abnormal Hearts, a comprehensive review of this important and rapidly progressing field of fetal cardiology. The course program provides the most up-to-date reference on this subject, presented by international leaders in this field.

The course 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.

Congenital heart disease is the most common congenital malformation with a significant impact on neonatal morbidity and mortality. Prenatal diagnosis and management of congenital heart disease is a collaborative effort between maternal-fetal medicine specialists and pediatric cardiologists. The renowned course faculty represents the specialties and all are actively involved in caring for pregnancies complicated with fetal cardiac abnormalities.

This course provides a broad review and dialogue on fetal echocardiography and should be extremely helpful to physicians and sonographers involved in prenatal diagnosis and in caring for children born with congenital heart disease. We hope that you will join us.

## 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 live activity for a maximum of 20.0 *AMA PRA Category 1 Credit(s)*<sup>™</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

**Sonographers:** American Registry for Diagnostic Medical Sonography (ARDMS). The ARDMS accepts *AMA PRA Category 1 Credits*<sup>™</sup>.

**Technologists:** This program has been submitted to the ASRT. The number of A CE credits will be available approximately 30 days prior to the meeting. Please visit [www.edusymp.com](http://www.edusymp.com) or call (813) 806-1000 regarding the availability of Category A CE credit.

## EDUCATIONAL OBJECTIVES

Attendees should, at the completion of this course, 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.*



Brian Jones/Las Vegas News Bureau



## COURSE ORGANIZATION

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

## ACKNOWLEDGEMENT

Educational Symposia appreciates our corporate supporters and exhibitors. A list of industry supporters will be provided and acknowledged at the meeting.

## CANCELLATIONS

Cancellations must be received in writing by sending an e-mail to [cancel@edusymp.com](mailto:cancel@edusymp.com). There is a \$50 processing fee applied to all cancellations. Cancellations made in writing prior to **October 1, 2021** will be issued a refund for the amount of tuition paid less the \$50 processing fee. No refunds will be made on or after **October 19, 2021**.

## REGISTRATION INFORMATION

**Tuition for live conference** includes all course materials, an electronic color course syllabus (printed color syllabus available for \$95, advanced purchase only), daily continental breakfasts and coffee breaks. Early registration is strongly suggested. There will be a \$100 surcharge for anyone registering after **October 19, 2021**. Minimum and maximum attendance levels have been established for this meeting. If your registration cannot be accepted, you will be issued a full tuition refund.

**Tuition for live webcast** includes participation for one registrant. Each registrant must sign-in on a separate computer to receive credit. Prior to the meeting we will send you further information about the log in process. We will also send you an electronic color course syllabus via email. If you have any questions or issues logging into the meeting we will have support personnel available at (813) 806-1000. There will be a \$100 surcharge for anyone registering after **October 19, 2021**.

## WEBCAST REQUIREMENTS

Visit the Help Center at [www.edusymp.com/site/help](http://www.edusymp.com/site/help) to review the computer and internet requirements for viewing live webcast meetings.

## 4 EASY WAYS TO REGISTER



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**Reduce your mail clutter or just add email announcements. Please visit the "Mailing List" section of our website at [www.edusymp.com](http://www.edusymp.com).**

**Disclaimer:** Educational Symposia (ESI) as planner and presenter of this meeting, and Professional Travel as the official travel agency for this meeting, claim no liability for the acts of any suppliers or the safety of any attendees while in transit to, from, or during this event or any optional activities. The total amount of liability, if any, for the meeting organizers is limited to a refund of the registration fee, and Professional Travel's responsibility is limited to that of an agent.

**ADA Compliance:** Educational Symposia wishes to ensure that no individual with a disability is excluded, denied services, segregated or otherwise treated differently from other individuals because of the absence of auxiliary aids and services. If you need any auxiliary aids or services identified in the Americans with Disabilities Act, please contact our office at (813) 806-1000.

## FACULTY

### Program Director:

**Alfred Abuhamad, M.D.**



**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*



**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  
Clinical Associate Professor  
University of Arizona*

## PROGRAM

**Thursday, October 28, 2021**

**7:00 – 8:00 AM**

**Registration and Continental  
Breakfast for Registrants**

8:00 – 8:15

Introduction & Announcements  
*Alfred Abuhamad, M.D.*

8:15 – 8:45

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

8:45 – 9:15

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

9:15 – 9:45

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

9:45 – 10:15

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

10:15 – 10:30

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

**10:30 – 10:45**

**Coffee Break for Registrants**

10:45 – 11:15

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

11:15 – 11:45

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

11:45 – 12:15 PM

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

## Thursday, October 28, 2021 (Continued)

12:15 – 12:45	Anomalies of the Cardiac Chambers 4: Abnormal Right Ventricle (Tricuspid Atresia, Ebstein Anomaly, Pulmonary Atresia with Intact Septum) <i>Bettina F. Cuneo, M.D.</i>
<b>12:45 – 1:45</b>	<b>Lunch on Your Own</b>
1:45 – 2:15	Case Presentation I <i>Tracy L. Anton, BS, RDMS, RDCS, FAIUM</i>
2:15 – 2:45	Anomalies of the Cardiac Chambers 5: Single Ventricle-Type Congenital Heart Disease <i>Bettina F. Cuneo, M.D.</i>
2:45 – 3:15	Systemic Fetal Venous Malformations: A Standardized Approach to Diagnosis <i>Alfred Abuhamad, M.D.</i>
3:15 – 3:45	Fetal Ectopy and Tachyarrhythmias: Diagnosis & Management <i>Edgar Jaeggi, M.D., FRCP(C)</i>
3:45 – 4:00	Case Presentation II <i>Julia E. Solomon, MDCM, FACCOC, FAIUM</i>
<b>4:00 – 4:15</b>	<b>Coffee Break for Registrants</b>
4:15 – 4:45	Case Presentation III <i>Edgar Jaeggi, M.D., FRCP(C)</i>
4:45 – 5:30	Panel Discussion - Question and Answer Session: The Cardiac Chambers & Cardiac Rhythm <i>Faculty</i>
<b>5:30</b>	<b>End of Session</b>

## Friday, October 29, 2021

<b>7:30 – 8:00 AM</b>	<b>Continental Breakfast for Registrants</b>
8:00 – 8:15	Introduction & Announcements <i>Alfred Abuhamad, M.D.</i>
8:15 – 8:45	Optimal Approach to Counseling for Fetal Congenital Heart Disease <i>Jack Rychik, M.D.</i>
8:45 – 9:15	Normal Fetal Cardiac Anatomy: The Three Vessel Trachea View <i>Alfred Abuhamad, M.D.</i>
9:15 – 9:45	Tips & Tricks of Fetal Echocardiography <i>Tracy L. Anton, BS, RDMS, RDCS, FAIUM</i>
9:45 – 10:15	Genetic Aspects of Congenital Heart Disease <i>Julia E. Solomon, MDCM, FACCOC, FAIUM</i>
10:15 – 10:30	Just Images & Movie Clips: Do You Know the Diagnosis? <i>Alfred Abuhamad, M.D. Elena Sinkovskaya, M.D., Ph.D.</i>
<b>10:30 – 10:45</b>	<b>Coffee Break for Registrants</b>
10:45 – 11:15	The Use of 3D/4D Ultrasound in Fetal Cardiac Imaging <i>Elena Sinkovskaya, M.D., Ph.D.</i>
11:15 – 11:45	Anomalies of Great Vessels 1: Transposition of Great Vessels <i>Julia E. Solomon, MDCM, FACCOC, FAIUM</i>
11:45 – 12:15 PM	Anomalies of the Great Vessels 2: Tetralogy of Fallot <i>Alfred Abuhamad, M.D.</i>
12:15 – 12:45	Anomalies of the Great Vessels 3: Aortic Arch Abnormalities <i>Jack Rychik, M.D.</i>
<b>12:45 – 1:45</b>	<b>Lunch On Your Own</b>

## Friday, October 29, 2021 (Continued)

1:45 – 2:15	Case Presentation IV <i>Alfred Abuhamad, M.D.</i>
2:15 – 2:45	Anomalies of Pulmonary Venous Return <i>Jack Rychik, M.D.</i>
2:45 – 3:15	Bradyarrhythmias and Long QT Syndrome <i>Bettina F. Cuneo, M.D.</i>
3:15 – 3:45	Fetal Cardiac Interventions <i>Edgar Jaeggi, M.D., FRCP(C)</i>
3:45 – 4:00	Case Presentation V <i>Elena Sinkovskaya, M.D., Ph.D.</i>
<b>4:00 – 4:15</b>	<b>Coffee Break for Registrants</b>
4:15 – 4:45	Case Presentation VI <i>Elena Sinkovskaya, M.D., Ph.D.</i>
4:45 – 5:30	Panel Discussion - Question and Answer Session: Normal Anatomy, Arrhythmias and Interventions <i>Faculty</i>
<b>5:30</b>	<b>End of Session</b>

## Saturday, October 30, 2021

<b>7:30 – 8:00 AM</b>	<b>Continental Breakfast for Registrants</b>
8:00 – 8:15	Introduction and Announcements <i>Alfred Abuhamad, M.D.</i>
8:15 – 8:45	Update on Management of Pregnancies with Sjogren's Antibodies <i>Bettina F. Cuneo, M.D.</i>
8:45 – 9:15	Heterotaxy Syndrome <i>Edgar Jaeggi, M.D., FRCP(C)</i>
9:15 – 9:45	Prenatal Evaluation of Cardiac Function <i>Elena Sinkovskaya, M.D., Ph.D.</i>
9:45 – 10:15	Cardiac Imaging in Early Gestation <i>Alfred Abuhamad, M.D.</i>
10:15 – 10:30	Just Images & Movie Clips: Do You Know the Diagnosis? <i>Alfred Abuhamad, M.D.</i> <i>Elena Sinkovskaya, M.D., PH. D.</i>
<b>10:30 – 10:45</b>	<b>Coffee Break for Registrants</b>
10:45 – 11:15	Review of Course: Fetal Cardiac Imaging Know What to Look For <i>Alfred Abuhamad, M.D.</i>
11:15 – 11:45	Case Presentation VII <i>Tracy L. Anton, BS, RDMS, RDCS, FAIUM</i>
11:45 – 12:15 PM	Panel Discussion - Question and Answer Session: Echocardiography Diagnostic Pearls & Pitfalls <i>Faculty</i>
<b>12:15</b>	<b>End of Course</b>

# Encore® at Wynn Las Vegas

## SPACE IS LIMITED - RESERVE TODAY

Visit [edusymp.com](http://edusymp.com) and search **FE21** to visit the accommodations page for additional hotel information and to book online or call Encore At Wynn Las Vegas reservations at (866) 770-7555 and provide **Group Code: 6FET1021** to receive the group discount.



**Group Room Rates Start At** .....\$225/nt.  
**HOTEL CUT-OFF DATE:** September 27, 2021, 5:00 pm PST

**DEPOSIT POLICY:** Credit cards will be charged first night room and tax charges at time of reservation.

**CANCELLATION POLICY:** All cancellations, arrival and departure date changes must be made 72 hours or more prior to scheduled arrival date/time to avoid penalties. Check in time is: 3:00 PM; check out time is 12:00 PM.

**Meeting  
Registration Form:**

**12<sup>th</sup> Annual Fetal Echocardiography: Normal and Abnormal Hearts**  
October 28 - 30, 2021 • Encore® at Wynn Las Vegas • Las Vegas, NV

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