



**JOIN US IN  
LAS VEGAS**  
OR VIA WEBCAST

9<sup>th</sup> Annual

# Fetal Echocardiography:

## Normal and Abnormal Hearts

**October 11 – 13, 2018**

Aria® Resort & Casino  
Las Vegas, Nevada

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

### PAST ATTENDEES SAY:

*"Clear, perfect pace, informative"*

*"The practical approach was great."*

*"One of the best seminars  
I have attended in 30+ yrs."*

**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 these 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 19.5 *AMA PRA Category 1 Credit(s)*<sup>™</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

**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, 3D 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.*

## Course Organization

This program is planned and organized by Educational Symposia, a leader in continuing medical 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. A \$50 processing fee will be applied to all cancellations. Refunds requested in writing prior to **September 14, 2018** will be issued for the amount of tuition paid less the \$50 processing fee. No refunds will be made on or after this date.

## 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 2, 2018**. 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 problems 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 2, 2018**.

**Please note:** A minimum number of registrants is required to live webcast this course. If the minimum number is not met by **September 14, 2018** the live webcast activity may be cancelled and a full refund issued.

## 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

We Accept



**INTERNET**  
[www.edusymp.com](http://www.edusymp.com)

**MAIL** Check payable to:  
Educational Symposia  
5620 West Sligh Avenue  
Tampa, Florida 33634-4490

**FAX**  
(813) 806-1001

**PHONE**  
(813) 806-1000

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.



**Special Note for the Disabled:** 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.

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## 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**  
*HS Clinical Instructor, Department of  
 Reproductive Medicine  
 Ultrasound Practitioner  
 UC San Diego Health System,  
 Maternal-Fetal Care and Genetics  
 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*



**Michael D. Puchalski, M.D.**  
*Professor of Pediatrics  
 Adjunct Professor of Radiology  
 University of Utah  
 Salt Lake City, UT*



**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**  
*Director, Fetal Diagnostic Center  
 Physicians Group of Arizona  
 Steward Healthcare  
 Gilbert, AZ*



**Wayne Tworetzky, M.D.**  
*Director of Fetal Cardiology  
 Boston Children's Hospital  
 Associate Professor  
 Harvard Medical School  
 Boston, MA*

Thursday, October 11, 2018

**7:00 – 7:45 AM Registration and Continental  
 Breakfast for Registrants**

7:45 – 8:00 Introduction & Announcements  
*Alfred Abuhamad, M.D.*

8:00 – 8:30 Optimizing Fetal Cardiac  
 Imaging: Gray Scale & Color  
*Tracy L. Anton, BS, RDMS, RDCS,  
 FAIUM*

8:30 – 9:00 Normal Fetal Cardiac Anatomy:  
 The Cardiac Chambers  
*Alfred Abuhamad, M.D.*

9:00 – 9:30 Screening for Congenital Heart  
 Disease in the First & Second  
 Trimesters of Pregnancy  
*Elena Sinkovskaya, M.D., Ph.D.*

9:30 – 10:00 Fetal Echocardiography:  
 Protocols & Tools  
*Tracy L. Anton, BS, RDMS, RDCS,  
 FAIUM*

10:00 – 10:15 Just Images & Movie Clips:  
 Do You Know the Diagnosis?  
*Alfred Abuhamad, M.D.  
 Elena Sinkovskaya, M.D., Ph.D.*

**10:15 – 10:30 Coffee Break for Registrants**

10:30 – 11:00 Anomalies of the  
 Cardiac Chambers 1:  
 Atrial & Ventricular Septal  
 Defects  
*Elena Sinkovskaya, M.D., Ph.D.*

11:00 – 11:30 Anomalies of the  
 Cardiac Chambers 2:  
 Atrioventricular Septal Defects  
*Julia E. Solomon, MDCM,  
 FACOG*

11:30 – 12:00 PM Anomalies of the  
 Cardiac Chambers 3:  
 Hypoplastic Left Heart  
 Syndrome & Critical  
 Aortic Stenosis  
*Wayne Tworetzky, M.D.*

Thursday, October 11, 2018 (continued)

12:00 – 12:30	Anomalies of the Cardiac Chambers 4: Abnormal Right Ventricle (Tricuspid Atresia, Ebstein Anomaly, Pulmonary Atresia with Intact Septum) <i>Michael D. Puchalski, M.D.</i>
12:30 – 1:45	<b>Lunch on Your Own</b>
1:45 – 2:15	Hands-on Scanning Session I: Approach to Fetal Echocardiography <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>Bettina F. Cuneo, M.D.</i>
3:45 – 4:00	Case Presentation I <i>Julia E. Solomon, MDCM, FACOG</i>
4:00 – 4:15	<b>Coffee Break for Registrants</b>
4:15 – 4:45	Hands-on Scanning Session II: Approach to the Evaluation of the Fetal Cardiac Rhythm <i>Bettina F. Cuneo, M.D.</i>
4:45 – 5:30	Panel Discussion - Question and Answer Session: Anomalies of the Cardiac Chambers <i>Faculty</i>
5:30	<b>End of Session</b>

Friday, October 12, 2018

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

Friday, October 12, 2018 (continued)

1:45 – 2:15	Hands-on Scanning - Session III: Fetal Cardiac Imaging in Early Gestation <i>Alfred Abuhamad, M.D.</i>
2:15 – 2:45	Bradyarrhythmias and Long QT Syndrome <i>Bettina F. Cuneo, M.D.</i>
2:45 – 3:15	Anomalies of Pulmonary Venous Return <i>Michael D. Puchalski, M.D.</i>
3:15 – 3:45	Fetal Cardiac Interventions <i>Wayne Tworetzky, M.D.</i>
3:45 – 4:00	Case Presentation II <i>Elena Sinkovskaya, M.D., Ph.D.</i>
<b>4:00 – 4:15</b>	<b>Coffee Break for Registrants</b>
4:15 – 4:45	Hands-on Scanning - Session IV: Parameters of Fetal Cardiac Function <i>Elena Sinkovskaya, M.D., Ph.D.</i>
4:45 – 5:15	Panel Discussion - Question and Answer Session: Anomalies of the Great Vessel <i>Faculty</i>

**5:15                      End of Session**

**Saturday, October 13, 2018**

**7:00 – 7:45 AM      Continental Breakfast for  
Registrants**

7:45 – 8:00	Introduction & Announcements <i>Alfred Abuhamad, M.D.</i>
8:00 – 8:30	Update on Management of Pregnancies with Sjogren's Antibodies <i>Bettina F. Cuneo, M.D.</i>
8:30 – 9:00	Cardiac Imaging in Early Gestation <i>Alfred Abuhamad, M.D.</i>
9:00 – 9:30	Prenatal Evaluation of Cardiac Function <i>Elena Sinkovskaya, M.D., Ph.D.</i>

Saturday, October 13, 2018 (continued)

9:30 – 10:00	Heterotaxy Syndrome <i>Michael D. Puchalski, M.D.</i>
10:00 – 10:15	Just Images & Movie Clips: Do You Know the Diagnosis? <i>Alfred Abuhamad, M.D.</i> <i>Elena Sinkovskaya, M.D., Ph.D.</i>
<b>10:15 – 10:30</b>	<b>Coffee Break for Registrants</b>
10:30 – 11:00	Putting it All Together: Fetal Cardiac Imaging Knowing What to Look For <i>Alfred Abuhamad, M.D.</i>
11:00 – 11:15	Case Presentation III <i>Tracy L. Anton, BS, RDMS, RDCS, FAIUM</i>
11:15 – 11:45	Panel Discussion - Question and Answer Session: Early Gestation <i>Faculty</i>
<b>11:45</b>	<b>End of Course</b>

# Aria® Resort & Casino

## SPACE IS LIMITED - RESERVE TODAY:

Visit [edusymp.com](http://edusymp.com) and search **FE18** to visit the accommodations page for additional hotel information.

Call Reservations at: 866-359-7757 and identify that you are with "Fetal Echocardiography/Neuroradiology Symposia" to receive the group discount.



**Group Room Rates Start at .....\$212/nt.**  
(single/double occupancy)

Cost for additional person over double occupancy is \$35 for 3rd and 4th person.

**ROOM PREFERENCE:**  
King bed/Two queen beds – Smoking/Non-smoking

**HOTEL CUT-OFF DATE:** September 10, 2018  
(group rates 3 days prior/post – space available basis).

**HOTEL TAX:** 13.38%

**RESORT FEE:** \$39.00 per room, per day applies.

**DEPOSIT POLICY:** One (1) night's room rate plus resort fee and tax will be charged 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: 11:00 AM.

**HOTEL:** 3730 Las Vegas Blvd  
Las Vegas, Nevada 89109

**PHONE:** 702-590-7111

Meeting Registration Form:

9<sup>th</sup> Annual Fetal Echocardiography: Normal and Abnormal Hearts  
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<b>1<sup>st</sup> 10 Active Duty Military Personnel* ATTEND FOR FREE</b>					

\*MUST ENCLOSE OR FAX LETTER FROM YOUR DIRECTOR CERTIFYING STATUS.

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