

11th Annual

# Fetal Echocardiography:

# Normal and Abnormal Hearts

# **FEATURING UPDATES ON THE**

New National Fetal Echocardiography Guidelines

October 30 - November 1, 2020

Aria® Resort and Casino • Las Vegas, Nevada

# **PAST ATTENDEES SAY:**

"I am a clinical educator for all MFM & OB/GYN sonographers. These lectures gave great insight on things that we can do better and changes that need to be made in our protocols for each type of department."

"As a sonographer planning to apply for ARDMS certification, I found the entire program to be extremely beneficial...
The live scanning demonstrations

The live scanning demonstrations really helped reinforce the material."





# **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.

Featuring Updates on the New National Fetal Echocardiography Guidelines

## **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>TM</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 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.



#### **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.

## REGISTRATION & CANCELLATION INFORMATION

Early registration is strongly suggested as capacity may be limited. We will accept registrations on a first-come basis due to possible restriction on the number of registrants able to attend this course in person. Should you register to attend the meeting in-person and the meeting is not able to proceed as a live event, you will have the option to participate in the virtual meeting, receive a tuition credit, or a full refund.

#### WEBCAST REQUIREMENTS

Visit the Help Center at 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

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

(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.

**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.

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**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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# **FACULTY**

# **PROGRAM**

7:00 - 8:00 AM

# **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 Cardiot 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, AZ

# Friday, October 30, 2020

Registration and Continental Breakfast

	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 <i>Tracy L Anton, BS, RDMS, RDCS,</i> <i>FAIUM</i>
8:45 – 9:15	Normal Fetal Cardiac Anatomy: The Cardiac Chambers Julia E. Solomon, MDCM, FACCOG, FAIUM
9:15 – 9:45	How to Screen for Congenital Heart Disease in the First & Second Trimester <i>Elena Sinkovskaya, M.D., Ph.D.</i>
9:45 – 10:15	New National Guidelines for Fetal Echocardiography <i>Tracy L Anton, BS, RDMS, RDCS, FAIUM</i>
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, FACCOG, 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

Friday, October 3	30, 2020 (Continued)	Saturday October 31, 2020		
12:15 – 12:45	Anomalies of the Cardiac Chambers 4: Abnormal Right Ventricle (Tricuspid Atresia, Ebstein Anomaly, Pulmonary Atresia with Intact Septum) Bettina F, Cuneo, M.D.	7:30 – 8:00 AM	Continental Breakfast for Registrants	
		8:00 – 8:15	Introduction & Announcements Alfred Abuhamad, M.D.	
12:45 - 1:45	Lunch on Your Own	8:15 – 8:45	Optimal Approach to Counseling for Fetal Congenital Heart Disease Jack Rychik, M.D.	
1:45 – 2:15	Hands-on Scanning Session I: How to Optimize the Fetal Echo Image Tracy L Anton, BS, RDMS, RDCS, FAIUM	8:45 – 9:15	Normal Fetal Cardiac Anatomy: The Great Arteries & Venous Connections Alfred Abuhamad, M.D.	
2:15 – 2:45	Anomalies of the Cardiac Chambers 5: Single Ventricle-Type Congenital Heart Disease <i>Bettina F. Cuneo, M.D.</i>	9:15 – 9:45	Tips & Tricks of Fetal Echocardiography <i>Tracy L. Anton, BS, RDMS, RDCS,</i> <i>FAIUM</i>	
2:45 – 3:15	Systemic Fetal Venous Malformations: A Standardized Approach to Diagnosis Alfred Abuhamad, M.D.	9:45 – 10:15	Genetic Aspects of Congenital Heart Disease Julia E. Solomon, MDCM, FACCOG, FAIUM	
3:15 – 3:45	Fetal Ectopy and Tachyarrhythmias: Diagnosis & Management Edgar Jaeggi, M.D., FRCP(C)	10:15 – 10:30	Just Images & Movie Clips: Do You Know the Diagnosis? Alfred Abuhamad, M.D. Elena Sinkovskaya, M.D., Ph.D.	
3:45 – 4:00	Case Presentation I Julia E. Solomon, MDCM, FACCOG, FAIUM	<b>10:30 – 10:45</b> 10:45 – 11:15	Coffee Break for Registrants The Use of 3D/4D Ultrasound in	
4:00 – 4:15	Coffee Break for Registrants	10.45 – 11.15	Fetal Cardiac Imaging  Elena Sinkovskaya, M.D., Ph.D.	
4:15 – 4:45	Hands-on Scanning Session II: Approach to the Evaluation of the Fetal Cardiac Rhythm Edgar Jaeggi, M.D., FRCP(C)	11:15 – 11:45	Anomalies of Great Vessels 1: Transposition of Great Vessels Julia E. Solomon, MDCM, FACCOG, FAIUM	
4:45 – 5:30	Panel Discussion - Question and Answer Session: The Cardiac Chambers & Cardiac Rhythm Faculty	11:45 – 12:15 PM	Anomalies of the Great Vessels 2: Tetralogy of Fallot Alfred Abuhamad, M.D.	
5:30	End of Session	12:15 – 12:45	Anomalies of the Great Vessels 3: Aortic Arch Abnormalities Jack Rychik, M.D.	
		12:45 – 1:45	Lunch On Your Own	

Saturday Octobe	er 31, 2020 (Continued)	Sunday, November 1, 2020		
1:45 – 2:15	Hands-on Scanning Session III: Fetal Cardiac Imaging in Early Gestation	7:30 – 8:00 AM	Continental Breakfast for Registrants	
0.45	Alfred Abuhamad, M.D.	8:00 – 8:15	Introduction & Announcements Alfred Abuhamad, M.D.	
2:15 – 2:45	Anomalies of Pulmonary Venous Return Jack Rychik, M.D.	8:15 – 8:45	Update on Management of Pregnancies with Sjogren's Antibodies	
2:45 – 3:15	Bradyarrhythmias and Long QT Syndrome		Bettina F. Cuneo, M.D.	
3:15 – 3:45	Bettina F. Cuneo, M.D.  Fetal Cardiac Interventions  Edgar Jaeggi, M.D., FRCP(C)	8:45 – 9:15	Cardiac Imaging in Early Gestation Alfred Abuhamad, M.D.	
3:45 – 4:00	Case Presentation II Elena Sinkovskaya, M.D., Ph.D.	9:15 – 9:45	Prenatal Evaluation of Cardiac Function Elena Sinkovskaya, M.D., Ph.D.	
4:00 – 4:15	Coffee Break for Registrants	9:45 – 10:15	Heterotaxy Syndrome Edgar Jaeggi, M.D., FRCP(C)	
4:15 – 4:45	Hands-on Scanning Session IV: Parameters of Fetal Cardiac Function Elena Sinkovskaya, M.D., Ph.D.	10:15 – 10:30	Just Images & Movie Clips: Do You Know the Diagnosis? Alfred Abuhamad, M.D. Elena Sinkovskaya, M.D., Ph.D.	
4:45 – 5:30	Panel Discussion - Question and Answer Session:	10:30 – 10:45	Coffee Break for Registrants	
5.00	Normal Anatomy, Arrhythmias and Interventions <i>Faculty</i>	10:45 – 11:15	Review of Course: Fetal Cardiac Imaging Know What to Look For	
5:30	End of Session	11:15 – 11:45	Alfred Abuhamad, M.D.  Case Presentation III	
			Tracy L Anton, BS, RDMS, RDCS, FAIUM	
		11:45 – 12:15 PM	Panel Discussion - Question and Answer Session: Echocardiography Diagnostic Pearls & Pitfalls Faculty	
		12:15	End of Course	

# **Aria Resort & Casino**

#### SPACE IS LIMITED - RESERVE TODAY

Visit www.edusymp.com and search FE20 to visit the accommodations page for additional hotel information.

Call Reservations at: 866-359-7757 or 702-590-7757 and identify yourself as a registrant of **Fetal Echocardiography 2020** to receive the group discount or book online at: https://book.passkey.com/go/SFET1020AR



Group Room Rates Start At.....\$199.00/nt. (single/double occupancy).

Cost for additional person over double occupancy is \$50 for 3rd and 4th person.

Room Preference: King bed/Two queen beds

Smoking is not permitted in hotel rooms. Guests are able to smoke on the Casino Floor or outside the hotel.

HOTEL CUT-OFF DATE: September 28, 2020

(group rates 3 days prior/post - space available basis).

Tax Applies to Both the Room Rate and Resort Fee: 13.38%

Daily Resort Fee: \$39.00 per room

**Deposit Policy:** One (1) night's room rate plus tax will be charged at time of reservation. Resort Fee for the first night is not included in the deposit.

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 89158

Phone: (702) 590-7111

**TUITION: LIVE WEBCAST** 

**REGISTER ONLINE: WWW.EDUSYMP.COM** 

**Registration Form:** 

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