

the fetal heart
2nd Biennial International Symposium & Hands-On Learning

THURSDAY | APRIL 25, 2019

MORNING SESSION

FETAL CARDIAC EVALUATION in NIPT ERA

Moderators: **Chris Harman, MD, Geoffrey Rosenthal, MD**

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| 7:30 AM | Registration & Breakfast |
| 8:00 AM | Should We Turn the Heart Evaluation Pyramid Upside Down? - Shifa Turan, MD, RDMS |
| 8:20 AM | Normal Heart at 11-13 Weeks: Protocol and Common Techniques for Scanning - Fred Ushakov, MD |
| 8:50 AM | Fetal Heart Evaluation in the Context of Normal First Trimester Screening Results - Fred Ushakov, MD |
| 9:10 AM | Fetal Heart Evaluation in the Context of Abnormal First Trimester Screening Results - Fred Ushakov, MD |
| 9:30 AM | Abnormal Heart at 11-13 Weeks. Case Presentations: AVSD, HPLH, DORV, TGA, TOF, CoA, Truncus, Ebstein's anomaly, Arrhythmia - Fred Ushakov, MD |
| 10:15 AM | The Utility of Noninvasive Prenatal Testing in the Evaluation of Congenital Heart Defects - Elizabeth Cutting Coale, MGC, CGC |
| 10:30 AM | Q&A and Coffee Break |
| 10:45 AM | Challenges of Early Heart Evaluation - Fred Ushakov, MD |
| 11:00 AM | Another Challenge! Obesity & Early Fetal Heart Evaluation - Shifa Turan, MD, RDM |
| 11:15 AM | First Trimester Heart Evaluation: Can We Make it Easier? - Shifa Turan, MD, RDM |
| 11:35 AM | 12 and 20 Weeks: Two Stage Screening Protocol for CHD Detection - Fred Ushakov, MD |
| 12:00 – 1:00 PM Lunch | |

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THURSDAY | APRIL 25, 2019

AFTERNOON SESSION

FETAL CARDIAC EVALUATION in SECOND TRIMESTER

Moderators: **Alicia Chaves, MD, Shifa Turan, MD, RDMS**

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| 1:00 PM | Normal Fetal Cardiac Evaluation in Second Trimester - Fred Ushakov, MD |
| 1:30 PM | Abnormal Four Chamber View - Fred Ushakov, MD |
| 2:00 PM | Abnormal Great Vessel & Abnormal Three Vessel Trachea View - Fred Ushakov, MD |
| 2:30 PM | The Most Common Anomalies of the Heart - Review Topics with Case Presentations Atrioventricular Septal Defect (AVSD), Ventricular Septal defects (VSD), Hypoplastic Left Heart Syndrome (HLHS) - Fred Ushakov, MD |
| 3:15 PM | Q&A and Coffee Break |
| 3:30 PM | What About Conotruncal Anomalies? How to Make a Differential Diagnosis? - Dario Paladini, MD |
| 4:00 PM | Aortic Arch Branching Abnormalities - Dario Paladini, MD |
| 4:30 PM | Fetal Arrhythmia: Tachycardia: Types of SVT and How to Make a Differential Diagnosis? Bradycardia - Sudhir Vashist, MD |
| 5:15 PM | Case Presentations for Fetal Arrhythmia - Alicia Chaves, MD |
| 5:30 PM | Questions and Answers |
| 6:00-8:00 PM Welcome Reception at UMB, SMC Campus Center | |

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FRIDAY | APRIL 26, 2019

MORNING SESSION

CARDIAC DEFECTS AND EXTRA-CARDIAC ANOMALIES

Moderators: Ozhan Turan, MD, PhD, Nick Pietris, MD

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| 7:30 AM | Registration & Breakfast |
| 8:00 AM | Scanning the Heart in Extra-Cardiac Fetal Anomalies - Fred Ushakov, MD - Vein of Galen - Echogenic lung lesions - Major abdominal wall defects - Skeletal - Diaphragmatic hernia - CHAOS - End stage fetal renal disease dysplasia |
| 8:45 AM | Trans-Vaginal Neurosonography Must be Part of Level II Examination in Fetuses with CHD - Dario Paladini, MD |
| 9:15 AM | New Developments in Genetic Testing for Fetuses with CHD & Brain Anomaly - Patrick Semensky, MGC, CGC |
| 9:30 AM | Experts' Opinions and Prenatal Counseling for Neurodevelopment Delay in Isolated CHD: Mind the Gap - Dario Paladini, MD |
| 10 AM | Q&A and Coffee Break |
| 10:15 AM | Cardiac Defects in Multiple Pregnancies: Case Presentation & Challenges in Management - Ozhan Turan, MD, PhD |
| 10:55 AM | Cardiac Defects in Diabetic Mothers: Case Presentations & Challenges in Management - Shifa Turan, MD, RDMS & Sarah Crimmins, DO |
| 11:35 AM | Cardiac Defects in Autoimmune Maternal Diseases: Case Presentations & Challenges in Management - Nick Pietris, MD & Katherine Goetzinger, MD, MSCI |
| 12:15 PM | Questions and Answers |
| 12:25 – 1:30 PM Lunch | |

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FRIDAY | APRIL 26, 2019

AFTERNOON SESSION

MATERNAL DISEASES AND CONGENITAL HEART DEFECTS

Moderators: Sarah Crimmins, DO, Deneen Heath, MD

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| 7:30 AM | Breakfast |
| 1:30 PM | Adult Congenital Heart Diseases: The Role of 3D Printing in Diagnosis & Importance of Identifying Mothers - Stacy Fisher, MD |
| 2 PM | Delivery Management of Severe Congenital Heart Defects - Ozhan Turan, MD, PhD |
| 2:30 PM | Surgical Outcomes in Common Congenital Heart Defects - Maryland Experience - Sunjay Kaushal, MD, PhD |
| 3:00 PM | The Feeding Problems in Neonates after the Cardiac Surgery - How to Guide the Parents? - Alicia Chaves, MD |
| 3:45 PM | Q&A and Coffee Break |
| 4:00 PM | Having a Child with a Major Congenital Heart Defect - Parent View |
| 4:15 PM | Importance of Multidisciplinary Management in Fetal Heart Program- Kim Greve, BSN, RNC |
| 4:30 PM | Questions and Answers |

SATURDAY | APRIL 27, 2019

Hands-on Learning Session at Center for Advanced Fetal Care

Moderator: Shifa Turan, MD, RDMS

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| 8:00 AM | Breakfast at UM Center for Advanced Fetal Care |
| 8:30 AM – 12 PM | |
| Hands-on Learning Session at Center for Advanced Fetal Care - Shifa Turan, MD, RDMS | |
| Small groups focusing on scanning the fetal heart under the supervision of experienced faculty. | |
| Participants will become familiar with the following: | |
| <ul style="list-style-type: none">• Identifying Situs• Obtain the 4-chamber View• Demonstrate Pulmonary Venous Flow• Obtain the Right and Left Ventricular Arterial Outflow Tracts Views | <ul style="list-style-type: none">• Obtain the 3-vessel View• Obtain the Arch Views• Application of 4D STIC Fetal Echocardiography• Learn to assess CHD |