

## PEDIATRIC/CONGENITAL TRACK

The ASE Council on **Pediatric and Congenital Heart Disease** (PCHD) has designed a program that will highlight the “revolution” in echocardiography and advanced imaging modalities from fetus through adult. Established and upcoming experts in our field will come together to present virtual sessions that will showcase global initiatives through the COVID-19 pandemic, imaging pearls for complex CHD management, debates on CHD nomenclature, applications of AI, and the persistent challenges in assessment of function. **This track qualifies for a total of 8.5 ABP MOC points.**

### FRIDAY, JUNE 18

4:45 PM – 5:45 PM

#### Conquering COVID Together

(ASE/EACVI Joint Session)

Chairs: P. Barker, J. Marek



EACVI  
European Association of  
Cardiovascular Imaging

#### Report from First Line Personnel: Sonographers

J. Lipinski

#### Lessons Learned: Echo Protocols

C. Altman

#### Impact on Echocardiography Education

L. Frank

#### Cardiac Involvement: Multimodality Imaging

O. Miller

#### Quality Improvement and Appropriate Use Criteria in COVID Era

R. Sachdeva

#### Abstract Presentation: Application of Appropriate Use Criteria of Outpatient Transthoracic Echocardiography for Patients Undergoing Telehealth Visits During Early Phase of the COVID-19 Pandemic

D. Kernizan

#### Abstract Presentation: Speckle Tracking Echocardiographic Findings in Children with MIS-C and Acute COVID-19

P. Minocha

#### Question & Answer

8:30 PM – 9:30 PM

#### Challenges of the Systemic Ventricle

Chairs: C. Fleishman, B. Printz, J. Robinson

#### Surgeons Perspective: Imaging Details That Help Guide Surgical Planning “Borderline Left Ventricle”

S. Emani

#### Assessment of the Mitral Valve

D. Harrid

#### Long-Term Challenges in Assessment of a Borderline Left and Single Ventricles

R. Rathod

#### Imaging Guide to Interventions and Planning for Surgery

M. Renno

#### Future Directions in Evaluation of Stroke Volume Valve and Function (Focus on Valves)

N. Khoo

#### Lymphatic Imaging: Where Are We Today

D. Rabinowitz

#### Question & Answer

### SATURDAY, JUNE 19

10:30 AM – 12:00 PM

#### Fetal Symposium: In the Midst of a Revolution

Chairs: B. Arya, S. Maskatia, N. Pinto

#### Case: Managing Tachyarrhythmias Challenges

Presenter: E. Rueda-de-Leon

Discussant: S. Killen

#### Question & Answer

#### Case: Managing Bradycardia: Role of Magnetocardiography

Presenter: R. Lorber

Discussant: J. Strasburger

#### Question & Answer

#### Case: Neurodevelopment Prediction and Chronic Maternal Oxygenation Therapy

Presenter: S. Peyvandi

Discussant: A. Moon-Grady

#### Question & Answer

#### Case: Illustrate Inclusion of Genetic Counseling

Presenter: S. Nees

Discussant: T. Tacy

#### Question & Answer

#### Case: Utility of Fetal MRI

Presenter: A. Cheliah

Discussant: M. Donofrio

#### Question & Answer

#### Case: Multiple Gestation: Dilemmas of Diagnosis Twin-to-Twin Transfusion Syndrome

Presenter: T. Doan

Discussant: S. Morris

#### Question & Answer

**1:15 PM – 2:15 PM**

**Using Echocardiography to Guide the Management of Critically Sick Infants**

*(ASE Neonatal Hemodynamics TrECHO SIG Session)*

Chairs: W. Lai, P. McNamara

***Fetal Cardiac Function and Hemodynamics***

L. Freud

***Transitional Physiology of Premature Birth***

A. EL-Khuffash

***Patent Ductus Arteriosus Hemodynamics***

P. Levy

***E21 Research – Bedside Cardiovascular Monitoring of Neonates with Patent Ductus Arteriosus***

O. Kripfgans

***Hypoxic Ischemic Encephalopathy in Newborn Infants***

R. Giesinger

***Question & Answer***

**4:15 PM – 5:15 PM**

**Innovations in Technology and Cardiovascular Imaging**

Chairs: B. Soriano, S. Srivastava

***Artificial Intelligence in Clinical Decision Making: Are We Ready?***

B. Bijnens

***Challenges in Work Flow Infrastructure: Building Data Repositories***

C. Reddy

***Computational Modeling: Personalizing Care***

M. Cartoski

***Healthcare Disparities in Congenital Heart Disease: Risk Stratification Using Imaging and Artificial Intelligence***

D. Chowdhury

***Are We Any Closer to Understanding Blood Flow Dynamics? Blood Speckle Tracking vs. Vector Flow Mapping***

P. Sengupta

***Case: Imaging of Aorta: Flow Characteristics***

J. Soslow

***Case: POCUS in Congenital Heart Disease***

G. Tatum

***Panel Discussion***

**SUNDAY, JUNE 20**

**1:30 PM – 2:30 PM**

**Imaging Guide to Intervention on Atrioventricular Valves**

Chairs: J. Kovalchin, M. Puchalski, L. Young

***Ebstein's Valve and Function***

M. Friedberg

***A Surgeons Approach to Ebstein's Anomaly***

C. Pizarro

***Common Atrioventricular Canal Assessment: Most Challenging Cases***

A. Parthiban

***Left Atrioventricular Valve Dysfunction***

A. Dorfman

***Right Atrioventricular Valve***

A. Dragelescu

***Left Ventricular Outflow Tract Obstruction in Atrioventricular Septal Defect/Canal***

C. Taylor

***Question & Answer***

**5:45 PM – 6:45 PM**  
**Challenges on the Right**

Chairs: N. Choueiter, B. Landeck

***Right Ventricle in a Biventricular Circulation: Which Measure Determines Outcomes?***

L. Mercer-Rosa

***Role of Stress Echo in Assessment of the Right Ventricle***

M. Chen

***What is Most Impactful Desynchrony vs. Right Ventricle Size and Function?***

D. Forsha

***Right Atrium Size and Function***

P. Jone

***Panel Discussion***

***Debate Introduction***

Moderators: G. Ensing, M. Lewin

***Debate: Eyeballing is the Best Method Con***

P. Frommelt

***Debate: Eyeballing is the Best Method Pro***

L. Mertens

**MONDAY, JUNE 21**

**7:15 PM – 8:15 PM**

**Never Ending Conundrums**

Chairs: S. Balasubramanian, D. Parra

***What Measure of Function Determines Outcomes in Cancer Patients?***

W. Border

***Vascular Rings: Determining Diagnosis and Intervention***

J. Lu

***Can Imaging or Stress Risk Stratify Anomalous Aortic Origin of a Coronary Artery?***

W. Thompson

***Risk Stratification of Pulmonary Hypertension***

M. Quartermain

***Panel Discussion***

***Nomenclature Fest***

Moderators: M. Brook, T. Slesnick

***Nomenclature Fest Team A***

B. Eidem, L. Lopez

***Nomenclature Fest Team B***

A. Powell, J. Simpson

***Nomenclature Fest Team C***

N. Ayres, M. Cohen

**Register at [ASEScientificSessions.org](http://ASEScientificSessions.org) by May 20 and save \$100!**