

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 SV 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. Dragulescu

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 by May 20 and save \$100!