



Congenital Heart Disease - Scientific

Session #601

The Aorta in ACHD: Too Small or Too Big, or Just Right?

Saturday, March 10, 2018, 8:00 a.m. - 9:30 a.m.

Room 208 C

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Louise Callow

Co-Chair: Duke E. Cameron

8:00 a.m.

FIT Case Presentation: How to Assess Patients With Aortic Disease: Imaging, Exercise and Follow-up

Rose Tompkins
Burlingame, CA

8:05 a.m.

How to Assess Patients With Aortic Disease: Imaging, Exercise and Follow-Up

Larry W. Markham
Nashville, TN

8:20 a.m.

Genetics of Aortic Diseases: When Does it Matter for My Patient?

Stephanie Ware
Indianapolis, IN

8:35 a.m.

Thresholds for Interventions in Aortic Aneurysms

Duke E. Cameron
Boston, MA

8:50 a.m.

Stenting in Coarctation of the Aorta: How to Choose the Appropriate Patients

Diego Porras
Boston, MA

9:05 a.m.

Audience Question and Answer With Panel of Speakers

Congenital Heart Disease - Poster Contributions

Session #1123

All Things Aortic!

Saturday, March 10, 2018, 9:30 a.m. - 12:30 p.m.

Poster Hall, Hall A/B

CME Hours: /CNE Hours:

357 - Diagnostic Accuracy of Echocardiography and Surgical Inspection For Unicuspid Aortic Valve

Brody Slostad, Chance Witt, Patricia Pellikka, Mayo Clinic, Rochester, MN, USA

358 - Impact of Aortic Root Repair on Quality of Life in Patients With Marfan Syndrome: Comparison of Valve-Sparing Versus Valve-Replacement Procedures

Meghana Helder, Hartzell Schaff, Brian Lahr, D. Craig Miller, Heidi Connolly, Mayo Clinic, Rochester, MN, USA, Stanford University School of Medicine, Palo Alto, CA, USA

359 - Hypertensive Response to Exercise in Patients With Repaired Coarctation of Aorta

Vidhushei Yogeswaran, Alexander Egbe, Mayo Clinic, Rochester, MN, USA

360 - Invasive and Noninvasive Hemodynamic Assessment in Adults With Fontan Palliation

Alexander C. Egbe, Mohamad Al-Otaibi, Arooj Razzaq Khan, Mayo Clinic, Rochester, MN, USA

361 - Progression of Aortic Stenosis by Serial Echocardiography Among Surgical Bicuspid Aortic Valve Patients

Dillon Schafer, Aakash Bavishi, Adin-Cristian Andrei, Hangzhi Shi, Jane Kruse, Erin Crawford, Patrick McCarthy, S. Chris Malaisrie, James Thomas, Jyothy Puthumana, Northwestern University Feinberg School of Medicine, Chicago, IL, USA, Bluhm Cardiovascular Institute, Chicago, IL, USA

362 - Sinus of Valsalva Aneurysms: 20-Year Cleveland Clinic Experience

Carlos Godoy, Bo Xu, Jorge Betancor, Karim A. Rehman, Serge Harb, L. Leonardo Rodriguez, Cleveland Clinic, Cleveland, OH, USA

363 - Prevalence and Complications of Aberrant Right Subclavian Artery in Chinese Population

Huan Yu Ding, Binqun Hu, Yuan Liu, Wenhui Huang, Songyuan Luo, Yi Zhu, Minchun Jiang, Ling Xue, Nianjin Xie, Jie Li, Jiyan Chen, Ruixin Fan, Jianfang Luo, Guangdong Cardiovascular Institute, Guangdong General Hospital, Guangzhou, People's Republic of China, Sun Yat-Sen Memorial Hospital, Sun Yat-Sen University, Guangzhou, People's Republic of China

364 - Technique and Utility of CT Guided Transcatheter Stenting of Aortic Coarctations in Adults

Akanksha Thakkar, Ponraj Chinnadurai, Stephanie Fuentes Rojas, Gary Monteiro, John Breinholt, Alan Lumsden, C. Huie Lin, Houston Methodist Hospital, Houston, TX, USA

Congenital Heart Disease - Poster Contributions

Session #1124

Fetal Cardiology and the Patent Ductus Arteriosus

Saturday, March 10, 2018, 9:30 a.m. - 12:30 p.m.

Poster Hall, Hall A/B

CME Hours: /CNE Hours:

365 - Exposure to Angiotensin-Converting Enzyme Inhibitors in Pregnancy and the Risk of Low Birth Weight and Congenital Cardiac Malformation

Sneha Chintamaneni, Lewei Duan, Avetis Hekimian, Marwan Qattan, Ming Sum Lee, Kaiser Permanente Los Angeles Medical Center, Los Angeles, CA, USA

366 - Statin Exposure During the First Trimester of Pregnancy Is Associated With Fetal Ventricular Septal Defects

Avetis Hekimian, Lewei Duan, Tanya Doctorian, Ming-Sum Lee, Kaiser Permanente, Los Angeles, CA, USA

367 - Maternal Glycemic Control and Risk of Fetal Congenital Heart Disease in a Multi-Ethnic Cohort of Women With Diabetes

Marwan Qattan, Lewei Duan, Avetis Hekimian, Ming-Sum Lee, Kaiser Permanente Los Angeles Medical Center, Los Angeles, CA, USA, Department of Research and Evaluation, Kaiser Permanente Southern California, Pasadena, CA, USA



368 - Fetal Cardiovascular Physiology and Postnatal Brain Development and Injury in Critical Congenital Heart Disease
Whitnee Hogan, Duan Xu, Anita Moon-Grady, Patrick McQuillen, Shabnam Peyvandi, University of California, San Francisco, San Francisco, CA, USA

369 - Feasibility and Comparison of Rapid Brain MRI and Head Ultrasound Before Congenital Heart Disease Repair in Newborns
Hasti Sanandajifar, Emily S. Deaton, Majid Khan, Jorge Salazar, Mary Taylor, University of Mississippi Medical Center, Jackson, MS, USA

370 - T-Cell Receptor Excision Circles: A Novel Approach to Identify Immunodeficiency in Newborns With Congenital Heart Disease
Brooke Davey, Robert Elder, Olga Salazar, Adrienne Manning, Nicholas Bennett, Ji Hyun Lee, Nancy Cross, Tam Doan, Megan Griffiths, Neha Ahluwalia, Maria Perez, Rosa Rodrigues, Robyn Bernstein, Louis Rigos, Michelle Cloutier, Connecticut Children's Medical Center, Hartford, CT, USA, Yale New Haven Children's Hospital, New Haven, CT, USA

371 - Echocardiographic Guidance For Trans-Catheter Device Closure of Patent Ductus Arteriosus in Extremely Low Birth Weight Infants
Govinda Paudel, Ranjit Philip, David Zurakowski, Kaitlin Balduf, Sarah Fahnhorst, Benjamin Waller, Shyam Sathanandam, University of Tennessee Health Science Center, Memphis, TN, USA, Le Bonheur Children's Hospital, Memphis, TN, USA

372 - Transcatheter Patent Ductus Arteriosus (PDA) Closure in Lower Weight Infants (<6kg): Mid- and Long-Term Follow-Up
Erin Nealon, Corey Stiver, Clifford Cua, Claire Mitchell, Brian Boe, Aimee Armstrong, Darren Berman, Charles Smith, Joanne Chisolm, Brian Rivera, Carl Backes, Nationwide Children's Hospital, Columbus, OH, USA

Congenital Heart Disease - Moderated Poster Contributions

Session #1138M

Fontan Palliation: Multisystemic Challenges and Solutions

Saturday, March 10, 2018, 10:00 a.m. - 12:00 p.m.

Congenital Heart Disease and Pulmonary Hypertension

Moderated Poster Theater, Poster Hall, Hall A/B

CME Hours: /CNE Hours:

ACC Poster Moderator: Michael Earing

ACC Poster Moderator: Syed Ali Nasir Zaidi

10:00 a.m.

Phenotypic Classification of Fontan Failure: An Indicator of Clinical Outcome

Angela Weingarten, Ryan Byrne, Patricia Y. Chu, Daniel E. Clark, Benjamin P. Frischhertz, Larry Markham, Vanderbilt University Medical Center, Nashville, TN, USA

10:10 a.m.

Question and Answer

10:15 a.m.

Echo-Doppler Assessment of Ventricular Filling Pressures in Adult Fontan Patients

William Miranda, Carole Warnes, Heidi Connolly, Nathaniel Taggart, Patrick O'Leary, Jae Oh, Alexander Egbe, Mayo Clinic, Rochester, MN, USA

10:25 a.m.

Question and Answer

10:30 a.m.

Novel Oral Anticoagulants, Warfarin and Aspirin in Adult Fontan Patients: A Single Center Experience

Amir Kazerounia, Justin Georgekutty, Peter Ermis, Dhaval Parekh, Wayne Franklin, Wilson Lam, Baylor College of Medicine, Houston, TX, USA, Texas Children's Hospital, Houston, TX, USA

10:40 a.m.

Question and Answer

10:45 a.m.

Clinical Outcomes of Novel Anticoagulant Versus Vitamin K Antagonist Use in Adults With Fontan Circulation

Payton Kendersky, Wendy Book, Fred Rodriguez, Michael Lloyd, Emory University Hospital, Atlanta, GA, USA

10:55 a.m.

Question and Answer

11:00 a.m.

Outcome of En-Bloc Combined Heart and Liver Transplantation in the Adult Failing Fontan

Sumeet Vaikunth, Waldo Concepcion, Tami Daugherty, Michael Fowler, Glen Lutchman, Katsuhide Maeda, David Rosenthal, Jeffrey Teuteberg, Y. Joseph Woo, George K. Lui, Stanford University Medical Center, Palo Alto, CA, USA

11:10 a.m.

Question and Answer

11:15 a.m.

Hepatocellular Carcinoma After Fontan Operation: A Multi-Center Case Series

Alexander C. Egbe, Arooj Razzaq Khan, Gruschen Veldtman, Mayo Clinic, Rochester, MN, USA

11:25 a.m.

Question and Answer

11:30 a.m.

Temporal Changes in Liver Stiffness After Fontan Operation: Results of Serial Magnetic Resonance Elastography

Alexander C. Egbe, Mohamad Al-Otaibi, Arooj Razzaq Khan, Mayo Clinic, Rochester, MN, USA

11:40 a.m.

Question and Answer

11:45 a.m.

Outcomes of Hospitalization in Adults With Fontan Palliation: The Mayo Clinic Experience

Alexander C. Egbe, Mohamad Al-Otaibi, Arooj Razzaq Khan, Heidi Connolly, Mayo Clinic, Rochester, MN, USA

11:55 a.m.



Question and Answer

Congenital Heart Disease - International Session #510

Adult Congenital Disease is the Current Era: Impact on the Western Hemisphere: International Perspectives From the Canadian Cardiovascular Society, Peruvian Society of Cardiology, and American College of Cardiology
Saturday, March 10, 2018, 12:15 p.m. - 1:45 p.m.
Room 304 A
CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Timothy F. Feltes
Co-Chair: Catherine M. Kells
Co-Chair: Jose Manuel Sosa

12:15 p.m.
Introduction to Session
Timothy F. Feltes
Columbus, OH

12:20 p.m.
The Fontan Operation- Outcomes and Challenges in Industrialized Countries
Jasmine Grewal
Vancouver, Canada

12:31 p.m.
Characteristics of Adult Congenital Heart Disease in the Peruvian Population
Gustavo Roberto Miranda Rivas
Lima, Peru

12:42 p.m.
ACHD Care in the United States in 2018: Can We Deliver?
Yuli Y. Kim
Philadelphia, PA

12:53 p.m.
Canadian Perspective on Global ACHD Issues
Ariane Marelli
Montreal, Canada

1:04 p.m.
Multimodal Imaging in the Grown-Up Congenital Heart: The Peruvian Experience
Violeta Illatopa Cerna
Lima, Peru

1:15 p.m.
Discussion

Congenital Heart Disease - Scientific Session #609

Exercise in Congenital Heart Disease: Will She Make It?
Saturday, March 10, 2018, 12:15 p.m. - 1:45 p.m.
Room 208 C
CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Ami B. Bhatt
Co-Chair: Matthew Carazo

12:15 p.m.

All Fired up: Back on the field With an ICD
Rachel J. Lampert
New Haven, CT

12:27 p.m.
All Bulk up: Isometrics in Congenital Heart Disease
Tabitha Grace Moe
Phoenix, AZ

12:39 p.m.
All Geared up - Congenital Heart Disease in the Military
Joseph William May
Bethesda, MD

12:51 p.m.
All Knocked up: Exercise in Pregnancy With CV Disease
Marc Garret Cribbs
Birmingham, AL

1:03 p.m.
Debate: All Fixed up: Unroofing the AAOCA Makes Me Safe to Play (Pro)
Thomas E. MacGillivray
Houston, TX

1:11 p.m.
Debate: All Fixed up: Unroofing the AAOCA Makes Me Safe to Play (Con)
Ami B. Bhatt
Boston, MA

1:19 p.m.
Rebuttal: Pro

1:21 p.m.
Rebuttal: Con

1:23 p.m.
Panel Discussion with Audience Question and Answer: Put Me In Coach! What Would You Do if Your Patient?

Congenital Heart Disease - Poster Contributions Session #1163

Contemporary Issues in Pediatric Cardiology
Saturday, March 10, 2018, 1:30 p.m. - 4:30 p.m.
Poster Hall, Hall A/B
CME Hours: /CNE Hours:

357 - Assessment of Right Atrial Pressure in Children With Congenital Heart Disease: Simultaneous Three-Dimensional Echocardiography and Catheterization Study
Kanako Kishiki, Haruka Fujimaki, Mai Terada, Takumi Kobayashi, Tomomi Ueda, Yuji Hamamichi, Akio Inage, Taku Ishii, Tadahiyo Yoshikawa, Satoshi Yazaki, Keitaro Mahara, Sakakibara Heart Institute, Tokyo, Japan

358 - Growth Differentiation Factor 15 as a Novel Biomarker of Heart Failure and Pulmonary Hypertension in Congenital Heart Disease With Left to Right Shunt in Young Patients
Yoshiyuki Kagiyama, Yuusuke Koteda, Yasuto Maeda, Shintarou Kishimoto, Kenji Suda, Kurume University School of Medicine, Kurume City, Japan



359 - Decreased Pulmonary Pulse Transit Is Associated With Pediatric Pulmonary Arterial Hypertension
Joshua Chew, Jeffrey Weiner, Daniel Saurers, Eric Austin, Jason Christensen, Monroe Carell Jr. Children's Hospital at Vanderbilt, Nashville, TN, USA

360 - Understanding the Genetic Etiology of Childhood Onset Essential Hypertension
Ian Copeland, Jennifer Posey, Syed Hashmi, Monesha Gupta, Neil Hanchard, Baylor College of Medicine, Houston, TX, USA

361 - Persistent Aortic Stiffness and Left Ventricular Hypertrophy in Children of Pregestational Diabetic Mothers at 3-8 Years of Age
Victor Do, Luke Eckersley, Lily Lin, Sandra Davidge, Michael Stickland, Tiina Ojala, Lisa Hornberger, University of Alberta, Edmonton, Canada

362 - Childhood and Adolescent Aortic Root Size Predicts Aortic Surgery or Dissection in Adults With Marfan Syndrome
Dan Gil Halpern, Ronald Lacro, Liliya Bencheitrit, Melissa P. Lacro, James Babb, Michael Singh, Boston Children's Hospital, Boston, MA, USA, New York University Langone Medical Center, New York, NY, USA

363 - Arterial Tortuosity and Cardiovascular Outcomes in Williams Syndrome and Non-Williams Supravalvar Aortic Stenosis
Shaine Morris, Nicholas A. Dodd, Gabrielle N. Spurzem, Dianna Milewicz, Lisa C. D'Alessandro, Texas Children's Hospital, Houston, TX, USA, Baylor College of Medicine, Houston, TX, USA

364 - Quality Improvement in Outpatient Pediatric Cardiology: Early Experience With the American College of Cardiology, Quality Network
Lauren Hartwell, Annette Baker, Kathy Jenkins, Sarah de Ferranti, Susan Saleeb, Boston Children's Hospital, Boston, MA, USA

Congenital Heart Disease - Poster Contributions
Session #1164
Established and Future Therapies For Congenital Heart Disease
Saturday, March 10, 2018, 1:30 p.m. - 4:30 p.m.
Poster Hall, Hall A/B
CME Hours: /CNE Hours:

365 - Treatment With Tetrahydrobiopterin Accelerates White Matter Maturation in a Mouse Model of Prenatal Hypoxia Simulating Congenital Heart Disease
Jennifer Romanowicz, Ludmila Korotcova, Shruti D. Ramachandra, Paul D. Morton, Amrita Cheema, Vittorio Gallo, Richard A. Jonas, Nobuyuki Ishibashi, Children's National Heart Institute, Washington, DC, USA, Center for Neuroscience Research, Children's National Health System, Washington, DC, USA

366 - Evaluating Safety and Ventricular Systolic Function After Autologous Cord Blood Administration in Neonates With Hypoplastic Left Heart Syndrome
Reid Chamberlain, Charles M. Cotten, Michael Campbell, Duke University Hospital, Durham, NC, USA

368 - Circulating MicroRNA Signatures as Potential Markers of Tissue Specific Stress in Children Undergoing Cardiopulmonary Bypass

Eric Kort, Surender Rajasekaran, Marcus Haw, Stefan Jovinge, DeVos Cardiovascular Research Institute, Spectrum Health and Van Andel Research Institute, Grand Rapids, MI, USA, Helen DeVos Children's Hospital, Grand Rapids, MI, USA

369 - The Closure of Patent Foramen Ovale Reduces Risk of Recurrent Stroke or Transient Ischemic Stroke in Select Patients With Cryptogenic Stroke: A Meta-Analysis of Randomized Control Trials
Sukhchain Singh, Varun Kumar, Daniela Kovacs, Sandeep Khosla, Rohit R. Arora, Rosalind Franklin University of Medicine and Science, North Chicago, IL, USA, Mount Sinai Medical Center, Chicago, IL, USA

370 - Mid-Term Outcome of a Modified Mustard Operation For Neglected Transposition of the Great Arteries
Magdi H. Yacoub, Hatem Hosny, Soha Romeih, Heba Aguib, Walid Simry, Ahmed Afifi, Yasser Sedky, Aswan Heart Centre, Aswan, Egypt

371 - Does Prophylactic Ibuprofen After Surgical ASD Repair Decrease the Rate of Post-Pericardiotomy Syndrome?
Edon Rabinowitz, Priya D. Kholwadwala, David Meyer, Adnan Bakar, Cohen Children's Medical Center of NY, New Hyde Park, NY, USA

372 - Assessment of Late Thromboembolic Complications After Fontan Procedure: A 30-Years Follow-Up Experience
Hana Al Alshaykh, Abdulrazak Aljazairy, Edward De Vol, Giovanni Di Salvo, Zohair Al-Halees, King Faisal Specialist Hospital & Research Center, Riyadh, Saudi Arabia

Congenital Heart Disease - Scientific
Session #624
Blinded by Science: Bard High Versus Palmaz High
Saturday, March 10, 2018, 2:00 p.m. - 3:30 p.m.
Room 208 C
CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: David S. Cooper
Co-Chair: Alistair Phillips

2:00 p.m.
Debate - PDA: PDA Stent vs. Shunt; Interventional Closure vs. Surgical Ligation
Stephanie Fuller
Philadelphia, PA

2:09 p.m.
Debate - PDA: PDA Stent vs. Shunt; Interventional Closure vs. Surgical Ligation
Jacqueline Kreutzer
Pittsburgh, PA

2:18 p.m.
Debate - Pulmonary Arteries: Surgical Repair vs Intervention; Hybrid Approach
Michael E. Mitchell
Milwaukee, WI

2:27 p.m.



Debate - Pulmonary Arteries: Surgical Repair vs Intervention;
Hybrid Approach
Daniel S. Levi
Los Angeles, CA

2:36 p.m.
Debate - Valves: Transcatheter Valve vs. Replacement; Ross
Procedure
Emile Bacha
New York, NY

2:45 p.m.
Debate - Valves: Transcatheter Valve vs. Replacement; Ross
Procedure
John P. Cheatham
Columbus, OH

2:54 p.m.
Debate - Coarctation: Neonatal; Infant; Adult; Associated with
Another Anatomical Issue Like Aortic Valve Stenosis
Joseph W. Turek
Durham, NC

3:03 p.m.
Debate - Coarctation: Neonatal; Infant; Adult; Associated with
Another Anatomical Issue Like Aortic Valve Stenosis
Julie Vincent
Yorktown Heights, NY

3:12 p.m.
Audience Question and Answer

**Congenital Heart Disease - Hands-on Skills Learning
Session #1515**
**Hands-On Simulation Skills Training: Clinical Judgement
Challenge Station . . . Body Interact Simulation Platform**
Saturday, March 10, 2018, 4:45 p.m. - 5:45 p.m.
**Personalized Skills and Simulation Center: Lounge &
Learn, Hall C**
CME Hours: /CNE Hours:

4:45 p.m.
Faculty: Clinical Judgement Challenge Station
Keri M. Shafer
Boston, MA

**Congenital Heart Disease - Scientific
Session #652**
**Controversies in the Care of Pediatric Patients With
Cardiomyopathy**
Sunday, March 11, 2018, 8:00 a.m. - 9:30 a.m.
Room 208 C
CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Brian Feingold
Co-Chair: Elfriede Pahl

8:00 a.m.
Debate: Genetic Testing Should be Performed in All Pediatric
Patients With Dilated Cardiomyopathy (Pro)
Wendy Chung
New York, NY

8:10 a.m.
Debate: Genetic Testing Should be Performed in All Pediatric
Patients With Dilated Cardiomyopathy (Con)
Jeffrey Towbin
Memphis, TN

8:20 a.m.
Rebuttal: Pro

8:22 a.m.
Rebuttal: Con

8:24 a.m.
Debate 1: Audience Question and Answer

8:35 a.m.
Is Cardiac MRI Clinically Indicated in All Pediatric Patients With
Hypertrophic Cardiomyopathy?
Kathleen Simpson
Saint Louis, MO

8:45 a.m.
Should Heart Transplant Be Performed in All Pediatric Patients
With Restrictive Cardiomyopathy and an LVEDP > 20 Mmhg
Yuk M. Law
Seattle, WA

8:55 a.m.
Debate: LV Noncompaction Is a Disease (Pro)
John L. Jefferies
Cincinnati, OH

9:05 a.m.
Debate: LV Noncompaction Is a Disease (Con)
Jacqueline Lamour
Bronx, NY

9:15 a.m.
Rebuttal: Pro

9:17 a.m.
Rebuttal: Con

9:19 a.m.
Debate 2: Audience Question and Answer

**Congenital Heart Disease - Poster Contributions
Session #1207**
Being on the Right Side
Sunday, March 11, 2018, 9:30 a.m. - 12:30 p.m.
Poster Hall, Hall A/B
CME Hours: /CNE Hours:

357 - Excellent Durability of Homograft's in Pulmonary Position
Analyzed in a Predefined Adult Group With Tetralogy of Fallot
Fleur Meijer, Philippine Kies, Monique Jongbloed, Mark
Hazekamp, David Koolbergen, Nico Blom, Albert De Roos, Hubert
Vliegen, Leiden University Medical Centre, Leiden, The
Netherlands

358 - The Effect of Pulmonary Valve Replacement on QRS
Duration in Tetralogy of Fallot



Yeabsra Alelign, Vaughn A. Eyvazian, Leigh Reardon, Jeremy Moore, Gentian Lluri, UCLA, Los Angeles, CA, USA

359 - Correlation Between Transthoracic Echocardiography and Cardiac Magnetic Resonance Imaging in the Assessment of Left Ventricular Function in Patients With Repaired Tetralogy of Fallot
Tam Doan, Shailendra Upadhyay, Ji Hyun Lee, Brooke Davey, Olga Toro-Salazar, Connecticut Children's Medical Center, Hartford, CT, USA

360 - Appropriate Use of Cardiac Magnetic Resonance Imaging For Monitoring Right Ventricle Enlargement in Pulmonary Regurgitation

Majd El-Harasis, Nandini Sharma, Alexander Egbe, Mayo Clinic, Rochester, MN, USA

361 - Root and Leaflet Stenosis in Pulmonary Homograft in Ross Procedure: New Semi-Resorbable Device to Prevent Pulmonary Autograft Expansion?

Francesco Nappi, Mario Fittipaldi, Centro Cardiac du Nord, Paris, France

362 - Functional Tricuspid Regurgitation After Transcatheter Closure of Atrial Septal Defect in Adult Patients
Yoichi Takaya, Okayama University, Okayama, Japan

363 - Impact of Pulmonary Hypertension on Survival Following Device Closure of Atrial Septal Defect Is Limited by Age
Lauren Sharan, Jordan Awerbach, Abraham Abernethy, Wael El Mallah, Richard Krasuski, Duke University Medical Center, Durham, NC, USA

364 - Resolution of Migraine With Aura After Transcatheter Patent Foramen Ovale Closure: Prospective Evaluation in Japanese Population

Teiji Akagi, Yoichi Takaya, Hiroshi Ito, Koji Nakagawa, Sho Takahashi, Okayama University, Okayama, Japan

Congenital Heart Disease - Poster Contributions Session #1208

Caring For Patients In and Out of the Hospital
Sunday, March 11, 2018, 9:30 a.m. - 12:30 p.m.
Poster Hall, Hall A/B

CME Hours: /CNE Hours:

365 - Comparing Resource Utilization Among Pediatric Heart Transplant Indications Using a Novel, Merged Data Set From the United Network For Organ Sharing and the Pediatric Health Information Systems (UNOS-PHIS) Databases

Danielle Burstein, Yimei Li, Kelly D. Getz, Yuan-Shung Huang, Joseph William Rossano, Matthew O'Connor, Kimberly Lin, Richard Aplenc, Children's Hospital of Philadelphia, Philadelphia, PA, USA

366 - Measuring Pediatric Cardiac Intensive Care Unit Quality in Medical Admissions

Michael Gaies, Nancy Ghanayem, Jeffrey Alten, John Costello, Javier Lasa, Nikhil Chanani, Andrew Shin, Lauren Retzlaff, Wenying Zhang, Sara Pasquali, Mousumi Banerjee, Sarah Tabbutt, University of Michigan, Ann Arbor, MI, USA

367 - Factors Influencing Readmission Burden After Congenital Heart Surgery

Alisha Floyd, Jacob Wilkes, Minkyung Yoo, Richard Nelson, James VanDerslice, L. LuAnn Minich, Nelangi Pinto, University of Utah, Salt Lake City, UT, USA

368 - Emergency Department Visits Among Children With Congenital Heart Disease in the United States From 2006 to 2014

Jonathan Edelson, Joseph William Rossano, Heather Griffiths, Dingwei Dai, Jennifer Faerber, Chitra Ravishankar, Christopher Mascio, Laura Mercer-Rosa, Andrew Glatz, Kimberly Lin, Children's Hospital of Philadelphia, Philadelphia, PA, USA

369 - Causes of Late Mortality of Children Surviving Initial Congenital Heart Surgery: A Report From the Pediatric Cardiac Care Consortium

Courtney McCracken, Logan Spector, Jessica Knight, Jeremiah Menk, James Moller, Lazaros Kochilas, Emory University School of Medicine, Atlanta, GA, USA, University of Minnesota, Minneapolis, MN, USA

370 - Congenital Heart Disease Survival in Low and Middle Income Countries: Linking Investment and Outcomes

Sarah Rahman, K. M. Cherian, Jan Christensen, Kaitlin Doherty, David de Ferranti, Kimberlee Gauvreau, Patricia Hickey, Krishna Kumar, Jennifer Kupiec, William Novick, Nestor Sandoval, Bistra Zheleva, Kathy Jenkins, Boston Children's Hospital, Boston, MA, USA

371 - Social Risk Factors Impact Hospital Readmission For Children With Congenital Heart Disease

Abby Demianczyk, Shashank Behere, Christian Pizarro, Deepika Thacker, Emily Delaplaine, Erica Sood, Nemours/Alfred I. duPont Hospital for Children, Wilmington, DE, USA

372 - Quality of INR Control in a Centralized Pharmacist-Led Pediatric Cardiology Warfarin Management Program

Joanne Lee, Jenna Murray, Sarah Wilkens, Yulin Zhang, Fred Nishioka, David Rosenthal, Stephen Roth, Daniel Murphy, Doff McElhinney, Christopher Almond, Stanford University, Palo Alto, CA, USA, Lucile Packard Children's Hospital Stanford, Palo Alto, CA, USA

Congenital Heart Disease - Moderated Poster Contributions

Session #1221M

Heart Failure in Adult Congenital Heart Disease: A Never Ending Saga

Sunday, March 11, 2018, 9:45 a.m. - 10:30 a.m.
Congenital Heart Disease and Pulmonary Hypertension
Moderated Poster Theater, Poster Hall, Hall A/B

CME Hours: /CNE Hours:

ACC Poster Moderator: Christopher Learn

ACC Poster Moderator: Tabitha Grace Moe

9:45 a.m.

Heart Failure Hospitalization and Mortality in Adults With Congenital Heart Disease

Fei Wang, Aihua Liu, Liming Guo, Ariane Marelli, McGill University, Montreal, Canada



9:55 a.m.

Question and Answer

10:00 a.m.

Cardiac TGFβ Signaling Is Decreased in Patients With Hypertrophic Cardiomyopathy

Estibaliz Castillero, Catherine Wang, Adam Recht, Marcia Gales, Karina Guaman, Michal Segall, Mathew Maurer, P. Christian Schulze, Hiroo Takayama, Paolo Colombo, Isaac George, College of Physicians and Surgeons of Columbia University, New York, NY, USA

10:10 a.m.

Question and Answer

10:15 a.m.

3D Printing For Preoperative Planning and Surgical Simulation of VAD Implantation in a Failing Right Systemic Ventricle

Jacob Miller, Joseph Billadello, Rachel Simon-Lee, Monica Sharma, Gautam Singh, Pamela Woodard, Pirooz Eghtesady, Shafkat Anwar, Washington University in St. Louis, St. Louis, MO, USA

10:25 a.m.

Question and Answer

Congenital Heart Disease - Scientific Session #665

When Imaging Worlds Collide

Sunday, March 11, 2018, 10:45 a.m. - 12:15 p.m.

Room 208 C

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Andrew J. Powell

Co-Chair: Ryan C. Van Woerkom

10:45 a.m.

From 3D to 4D Rotational Angiography

Gregor Krings
Utrecht, Netherlands

10:55 a.m.

Audience Question and Answer

11:00 a.m.

How I Can Replace Hemodynamic Catheterization With MRI

Michael Markl
Chicago, IL

11:10 a.m.

Audience Question and Answer

11:15 a.m.

Echo Fusion with Fluoroscopy: Case Presentation

Pei-Ni Jone
Aurora, CO

11:25 a.m.

Audience Question and Answer

11:30 a.m.

Intraventricular Blood Flow Dynamics: Will It Impact Outcomes?

Shubhika Srivastava
New York, NY

11:40 a.m.

Audience Question and Answer

11:45 a.m.

Starting a 3D Printing Program on the Cheap

Michael D. Seckeler
Tucson, AZ

11:55 a.m.

Audience Question and Answer

12:00 p.m.

Holography in Congenital Heart Disease

Elchanan Bruckheimer
Petach Tikva, Israel

12:10 p.m.

Audience Question and Answer

Congenital Heart Disease - Scientific Session #680

Building for the Future: Developing the ACHD Program

Sunday, March 11, 2018, 12:30 p.m. - 1:45 p.m.

Room 208 C

CME Hours: 1.25 /CNE Hours: 1.25

Co-Chair: David Drajpuch

Co-Chair: Ada C. Stefanescu Schmidt

12:30 p.m.

ACC-Talk: Minding the Gap - The Importance of Teaching Patients and Caregivers How to Transition

Sangeeta B. Shah
Harvey, LA

12:40 p.m.

Navigating ACHD Fellowship

Georges Ephrem
Toronto, Canada

12:50 p.m.

Building ACHD Care in the Community

Todd Roth
Hollywood, FL

1:02 p.m.

ACC-Talk: Research Is the Foundation of a Successful ACHD Program

Paul Khairy
Montreal, Canada

1:12 p.m.

Collaboration Across Specialties: Cardiovascular Disease in Pregnancy - Why Do ACHD Doctors Become the Experts?

Mette-Elise Estensen
Oslo, Norway

1:24 p.m.

Panel Discussion with Audience Question and Answer



Congenital Heart Disease - Moderated Poster Contributions

Session #1230M

Atrial Septal Defects: Not Simple at All

Sunday, March 11, 2018, 12:30 p.m. - 1:45 p.m.

Congenital Heart Disease and Pulmonary Hypertension
Moderated Poster Theater, Poster Hall, Hall A/B

CME Hours: /CNE Hours:

ACC Poster Moderator: Daphne T. Hsu

ACC Poster Moderator: Juan Villafane

12:30 p.m.

Trends in Transcatheter and Surgical Repair of Secundum Atrial Septal Defect: Insights From a National Database

Arka Chatterjee, Manyoo Agarwal, Nirmanmoh Bhatia, Neal J. Miller, Anderson S. Marshall, Massoud Leeser, Marc Cribbs, Mark Law, University of Alabama at Birmingham, Birmingham, AL, USA

12:40 p.m.

Question and Answer

12:45 p.m.

Right Ventricular Myocardial Deformation Changes Post Transcatheter Closure of ASD

Ahmed Kheiw, Anushree Agarwal, Shabir Sarwary, Pooja Sethi, Vaikom Mahadevan, University of California San Francisco, San Francisco, CA, USA

12:55 p.m.

Question and Answer

1:00 p.m.

Percutaneous Atrial Septal Defects Closure in Adults: Double Versus Single Device Closure of Secundum Defects - A Meta-Analysis and Systematic Review

Ali Abdul Jabbar, Mohammad Jaradat, Mohanad Hasan, Ji Yoo, Ivory Crittendon, Victor Lucas, Tyrone Collins, Ochsner Clinic Foundation, New Orleans, LA, USA, University of Nevada School of Medicine, Las Vegas, NV, USA

1:10 p.m.

Question and Answer

1:15 p.m.

Clinical Benefit of Transcatheter Closure For Newly Developed Atrial Fibrillation in Adult Patients With Atrial Septal Defect

Teiji Akagi, Yasuhiro Fujii, Yoichi Takaya, Sho Takahashi, Koji Nakagawa, Shingo Kasahara, Hiroshi Ito, Okayama University, Okayama, Japan

1:25 p.m.

Question and Answer

1:30 p.m.

Echocardiographic Surveillance After Catheter Mediated Secundum Atrial Septal Defect Repair Is More Intense Than After Surgical Repair

Vijay Menon, Christopher Curzon, Jeffrey Delaney, Mary Craft, Collin Erickson, David Danford, Shelby Kutty, University of Nebraska Medical Center, Omaha, NE, USA, Children's Hospital and Medical Center, Omaha, NE, USA

1:40 p.m.

Question and Answer

Congenital Heart Disease - Poster Contributions

Session #1254

Life With Congenital Heart Disease

Sunday, March 11, 2018, 1:30 p.m. - 4:30 p.m.

Poster Hall, Hall A/B

CME Hours: /CNE Hours:

357 - Influence of Institutional Volume on Surgical Quality in Septal Myectomy For Obstructive Hypertrophic Cardiomyopathy
Antonio Polanco, Jeremy J. Song, Yuting P. Chiang, Sarah N. Yu, Jonathan Ginns, Yuichi Shimada, Koki Nakanishi, Shepard Weiner, Hiroo Takayama, Columbia University Medical Center, New York, NY, USA, Cornell University Medical Center, New York, NY, USA

358 - Electronic Health Record Associated Stress in Adult Congenital Clinics

Stephen C. Cook, Darcy N. Marckini, Jessica L. Parker, Bennett Samuel, Spectrum Health Helen DeVos Children's Hospital, Grand Rapids, MI, USA

359 - A Quality Improvement Project: Identifying a Mechanism to Improve Health Literacy Among Adults With Congenital Heart Defects

Robert J. Hartman, Emmy Leggett, Deedi Cook, Linda Richardson, Elizabeth Newcombe, Charlie Sang, East Carolina University, Greenville, NC, USA

360 - Systemic Ventricular Strain Is Abnormal in Obese Adults With Congenital Heart Disease

Himanshu Adlakha, Preeti Malik, Rakesh Donthula, Hari Rajagopal, Allen Kan, Ruchika Karnik, Shubhika Srivastava, Rajesh U. Shenoy, Icahn School of Medicine at Mount Sinai, New York, NY, USA

361 - Factors Associated With Increased Exercise in Adults With Congenital Heart Disease

Whitney Osborne, Gene Peir, Brynn Connor, Megan Smith, Ruth Phillippi, Anitha John, Children's National Health System, Washington, DC, USA

362 - Prevalence and Risk Factors of Obstructive Sleep Apnea in Adults With Congenital Heart Disease

Michael Earing, Marc Drake, Jane Sowinski, Emily Reinhardt, Tara Saleska, Lindsey Katzmark, Katie Nolin, Peter Bartz, Scott Cohen, Salil Ginde, Medical College of Wisconsin, Milwaukee, WI, USA, Children's Hospital of Wisconsin, Milwaukee, WI, USA

363 - Outcome of Patients With Turner Syndrome Living in a Rural Versus Urban Setting

Angela T. Yetman, Renee Katz, Jonathan Cramer, Children's Hospital & Medical Center, Omaha, NE, USA

364 - Factors Affecting Pregnancy Outcomes in Women With Congenital Heart Disease: A Single Center Experience

Abhishek Chakraborty, Satinder Sandhu, Jackson Memorial Hospital University of Miami, Miami, FL, USA



Congenital Heart Disease - Poster Contributions Session #1255

Outcomes: Tetralogy of Fallot, Ebstein, Fontan and PDA
Sunday, March 11, 2018, 1:30 p.m. - 4:30 p.m.
Poster Hall, Hall A/B
CME Hours: /CNE Hours:

366 - Identifying Risk Factors For Massive Right Ventricular Dilation in Patients With Repaired Tetralogy of Fallot
Clinton Cochran, Lindsey Gakenheimer-Smith, Sunkyoung Yu, Ray Lowery, Jimmy Lu, Maryam Ghadimi Mahani, Prachi Agarwal, Adam Dorfman, Michigan Medicine: University of Michigan, Ann Arbor, MI, USA

367 - Chronotropic Response Predicts Exercise Performance in Children and Adolescents With Repaired Tetralogy of Fallot
Shivani M. Bhatt, Okan Elci, Stephen Paridon, Elizabeth Goldmuntz, Laura Mercer-Rosa, The Children's Hospital of Philadelphia, Philadelphia, PA, USA

368 - Cardiopulmonary Aerobic Fitness Assessment Comparison by Decade and Age of Primary Repair in Tetralogy of Fallot Patients
Adam Powell, Wayne A. Mays, Clifford Chin, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA

369 - Non-Newtonian Behavior Significantly Affects Hemodynamic Efficiency in a Four-Dimensional Flow Magnetic Resonance Fontan Model
Andrew L. Cheng, Niema M. Pahlevan, John C. Wood, Children's Hospital Los Angeles, Los Angeles, CA, USA, University of Southern California, Los Angeles, CA, USA

370 - Sinus Node Dysfunction After Fontan Palliation Is Associated With Reduced Atrial Active Ejection Fraction as Measured by Cardiac MRI
Jerry Michael, Barbara Burkhardt, William Scott, Ilana Zeltser, Franz Gerald Greil, Animesh Tandon, Mohammad Tarique Hussain, University of Texas Southwestern Medical Center and Children's Health, Dallas, TX, USA

371 - Treatment Variation and Its Implication For Severe Fontan-Associated Protein Losing Enteropathy
Jonathan N. Johnson, Sunkyoung Yu, Ray Lowery, Ryan Butts, Chesney Castleberry, Sharon Chen, Erik Edens, Justin Godown, Jeffrey Gossett, Mariska Kemna, Kimberly Lin, Kathleen Simpson, Shawn West, Ivan Wilmot, Kurt Schumacher, University of Michigan, Ann Arbor, MI, USA, Mayo Clinic, Rochester, MN, USA

372 - Amplatzer Vascular Plugs and Amplatzer Duct Occluder II Additional Sizes For Occlusion of Patent Ductus Arteriosus: A Multi-Institutional Study
Dennis Vanloozen, Juan Pablo Sandoval, Jeffrey Delaney, Carlos Pedra, Zahid Amin, Children's Hospital of Georgia at Augusta University, Augusta, GA, USA

Congenital Heart Disease - Scientific Session #693

Congenital Heart Disease Registries: Why I Participate and You Should Too!
Sunday, March 11, 2018, 2:00 p.m. - 3:30 p.m.
Room 208 C
CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Melanie Everitt
Co-Chair: Sara K. Pasquali

2:00 p.m.
Congenital Registries: An Interactive, Moderated Panel Discussion With Audience Question and Answer

CHSS
Panelist: Carl L. Backer

Pediatric Heart Transplant Study
Panelist: Melanie Everitt

PC4
Panelist: Michael Gaies

PINNACLE
Panelist: Stacie L. Daugherty

IFCIR
Panelist: Anita Moon-Grady

STS
Panelist: John E. Mayer

IMPACT
Panelist: Robert N. Vincent

3:00 p.m.
Congenital Registries: An Open Discussion

Congenital Heart Disease - Moderated Poster Contributions Session #1270M

ASCVD in Congenital Heart Disease: Growing Old Gracefully?
Sunday, March 11, 2018, 3:45 p.m. - 4:30 p.m.
Congenital Heart Disease and Pulmonary Hypertension Moderated Poster Theater, Poster Hall, Hall A/B
CME Hours: /CNE Hours:

ACC Poster Moderator: Ami B. Bhatt
ACC Poster Moderator: Laura Flannery

3:45 p.m.
Coronary Artery Disease Screening in Adults With Congenital Heart Disease Prior to Cardiac Surgery
Bradley Johnson, Matt Buelow, Peter Bartz, Scott Cohen, Michael Earing, Salil Ginde, Medical College of Wisconsin, Milwaukee, WI, USA

3:55 p.m.
Question and Answer

4:00 p.m.



Subclinical Atherosclerosis and Coronary Artery Calcium Scores in Patients With Coarctation of the Aorta
Yamini Krishnamurthy, Ada C. Stefanescu Schmidt, Daniel O. Bittner, Jan-Erik Scholtz, Amy Bui, Rajesh Reddy, Mohamed Youniss, Kendall Donohoe, Laura Flannery, Akl Fahed, Brian Ghoshhajra, Doreen Defaria Yeh, Ami Bhatt, Massachusetts General Hospital, Boston, MA, USA

4:10 p.m.
Question and Answer

4:15 p.m.
Congenital Heart Disease Confers Substantial Risk of Acquired Cardiovascular Disease Amongst British Adults
Priyanka Saha, Praneetha Potiny, Catherine Tcheandjieu, Susan M. Fernandes, Anitra Romfh, Daniel Bernstein, George K. Lui, Erik Ingelsson, James Priest, Stanford University School of Medicine, Stanford, CA, USA

4:25 p.m.
Question and Answer

Congenital Heart Disease - Gaming
Session #6008
Engage @ACC.18: Family Feud – Pediatric Cardiology Marries Adult Congenital - But Do We Practice the Same Way?

Sunday, March 11, 2018, 3:45 p.m. - 4:45 p.m.
Engage@ ACC.18 Studio, Hall A/B
CME Hours: 1 /CNE Hours: 1

Co-Chair: Bronwyn Bartle
Co-Chair: Alistair Phillips

3:45 p.m.
Team: Stanford
George K. Lui
Stanford, CA

3:45 p.m.
Team: Stanford
Stephen J. Roth
Palo Alto, CA

3:45 p.m.
Team: Grand Rapids
Stephen C. C. Cook
Grand Rapids, MI

3:45 p.m.
Team: Grand Rapids
Joseph J. Vettukattil
Grand Rapids, MI

3:45 p.m.
Team: Seattle
Yuk M. Law
Seattle, WA

3:45 p.m.
Team: Seattle

Karen K. Stout
Seattle, WA

3:45 p.m.
Team Montefiore
Daphne T. Hsu
Bronx, NY

3:45 p.m.
Team: Montefiore
Syed Ali Nasir Zaidi
Scarsdale, NY

Congenital Heart Disease - Oral Contributions
Session #908
Highlighted Original Research: Congenital Heart Disease and the Year in Review
Monday, March 12, 2018, 8:00 a.m. - 9:30 a.m.
Room 208 C
CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Susan P. Etheridge
Co-Chair: Dorothy D. Pearson

8:00 a.m.
Year in Review Speaker
Gil Wernovsky
Miami, FL

8:12 a.m.
Results From the WISH-ACHD Study: Women's Initiative in the Study of Hospitalizations in Adult Congenital Heart Disease
David Briston, Avirup Guha, Nicole Zubizarreta, Curtis Daniels, Elisa Bradley, Ohio State University, Columbus, OH, USA, Nationwide Children's Hospital, Columbus, OH, USA

8:22 a.m.
Discussion

8:25 a.m.
Effects of Advanced Heart Failure Treatment on Symptoms in Patients With a Systemic Right Ventricle
Mikael G. Dellborg, Joel Heimdahl, Kristofer Skoglund, Bengt Johansson, Christina Christersson, Eva Mattsson, Peter Eriksson, Ulf Thilen, Sahlgrenska Academy, Institute of Medicine, University of Gothenburg, Gothenburg, Sweden, ACHD-Unit, Sahlgrenska University Hospital/Östra, Gothenburg, Sweden

8:35 a.m.
Discussion

8:38 a.m.
Adolescents and Adults With Fontan Circulation: Baseline Characteristics From the PREPARE Fontan Registry
Lars Søndergaard, Jamil Aboulhosn, Yves d'Udekem, Wayne Franklin, Alfred Hager, Philippe Huot-Marchand, Yuli Kim, Erwan Muros-Le Rouzic, Markus Schwerzmann, Barbara Schwierin, Paul Clift, Department of Cardiology, Rigshospitalet, Copenhagen, Denmark

8:48 a.m.
Discussion



8:51 a.m.

Effects of Advanced Heart Failure Treatment on Mortality in Patients With a Systemic Right Ventricle

Mikael G. Dellborg, Kristofer Skoglund, Joel Heimdahl, Ulf Thilen, Bengt Johansson, Christina Christersson, Eva Mattsson, Peter Eriksson, Sahlgrenska Academy, Institute of Medicine, University of Gothenburg, Gothenburg, Sweden, ACHD-Unit, Sahlgrenska University Hospital/Östra, Gothenburg, Sweden

9:01 a.m.

Discussion

9:04 a.m.

Sudden Cardiac Death and Aborted Sudden Cardiac Death in Patients With Anomalous Aortic Origin of a Coronary Artery (AAOCA) From the Inappropriate Sinus of Valsalva: A Systematic Review of the Literature

Hunain Shiwani, Julie Brothers, Todd Villines, Richard Liberthson, Ron Blankstein, Michael Cheezum, Leeds General Infirmary, Leeds, United Kingdom, Ft. Belvoir Community Hospital, Fort Belvoir, VA, USA

9:14 a.m.

Discussion

9:17 a.m.

Insurance Access in Adults With Congenital Heart Disease in the Affordable Care Act Era

Chien-Jung Lin, Eric Novak, Michael Rich, Joseph Billadello, Washington University School of Medicine, Saint Louis, MO, USA

9:27 a.m.

Discussion

Congenital Heart Disease - Poster Contributions

Session #1296

Hear All About It: Fontan

Monday, March 12, 2018, 9:30 a.m. - 12:30 p.m.

Poster Hall, Hall A/B

CME Hours: /CNE Hours:

357 - Relationship Between Model For End-Stage Liver Disease Excluding INR(MELD-XI) Score and Liver Fibrogenesis Marker in Acute Heart Failure

Kenji Aida, Kazuya Nagao, Kenji Kajitani, Takayasu Kobayashi, Akinori Tamura, Kiyotaka Simamura, Hiroshi Yukawa, Yohei Kobayashi, Naoki Takahashi, Eiichiro Nakagawa, Haruyasu Ito, Fujio Hayashi, Toshinori Makita, Tsukasa Inada, Masaru Tanaka, Osaka Red Cross Hospital, Cardiovascular Center, Osaka, Japan

359 - Fontan Phenotypes Have Signature Biomarker Expression Profiles

Anita Saraf, Christine De Stearcke, Jennifer Gerardin, Maria Pernetz, Georges Ephrem, Stacey Adjei, Staci Jennings, Naser Abdelhadi, Jonathan Kim, Fred Rodriguez, Wendy Book, Emory University School of Medicine, Atlanta, GA, USA

360 - Optimizing CT Scan Protocol For the Evaluation of Thrombus in Patients With Fontan Anatomy

Tavener Dibert, Ryan Boggs, Arun Chandran, Jennifer Co-Vu, Dalia Colon-Lopez, University of Florida, Gainesville, FL, USA

Congenital Heart Disease - Poster Contributions

Session #1297

Predicting Risk in the Perioperative Period

Monday, March 12, 2018, 9:30 a.m. - 12:30 p.m.

Poster Hall, Hall A/B

CME Hours: /CNE Hours:

361 - The Effect of Birth Weight on Mortality in Infants With Critical Congenital Heart Disease

Martina Steurer, Edmund Burke, Scott Oltman, Rebecca Baer, Kelli Ryckman, Randi Paynter, Liang Liang, Molly McCarthy, Sky Feuer, Christina Chambers, Mary Norton, Shabnam Peyvandi, Anita Grady, Larry Rand, Satish Rajagopal, Laura Jelliffe-Pawlowski, UCSF, San Francisco, CA, USA

362 - Modifiable Factors Predict Mortality After Prolonged Critical Illness Following Congenital Heart Surgery

Aaron Dewitt, Joseph William Rossano, David K. Bailly, Priya Bhat, Nikhil Chanani, Brandon Kirkland, Michael-Alice Moga, Gabe Owens, Lauren Retzlaff, Wenying Zhang, Mousumi Banerjee, Andrew Costarino, Geoffrey Bird, Sara Pasquali, Michael Gaies, Children's Hospital of Philadelphia, Philadelphia, PA, USA

363 - Incidence, Outcomes and Costs of Catheter-Associated Bloodstream Infections in Children Undergoing Congenital Cardiac Surgery

Brena Haughey, Shelby White, Michael Seckeler, Banner University Medical Center Tucson, Tucson, AZ, USA

364 - Post-Operative Lactate Improves Prediction of Length of Intensive Care Stay Following Congenital Heart Surgery: Refining the Procedure Based Categorical Variable Model

Peta Alexander, Kristofer Andren, Matthew Diorio, Kimberlee Gauvreau, Catherine Allan, Meena Nathan, Derek Mathieu, John Mayer, Ravi Thiagarajan, Lisa Bergersen, Boston Children's Hospital, Boston, MA, USA, Harvard Medical School, Boston, MA, USA

365 - Plasma Neutrophil Gelatinase-Associated Lipocalin Is Associated With Acute Kidney Injury and Clinical Outcomes in Neonates Undergoing Cardiopulmonary Bypass

Luke Schroeder, Jason Buckley, Renee Martin, Robert E. Stroud, Elizabeth K. Nadeau, Ryan W. Barrs, Eric Graham, Medical University of South Carolina, Charleston, SC, USA

366 - Prevalence and Clinical Impact of Early Postoperative Ventricular Arrhythmias After Congenital Heart Surgery

Sarah Fuchs, Sara Van Driest, Andrew Smith, Prince Kannankeril, Vanderbilt University Medical Center, Nashville, TN, USA

367 - Genetic and Clinical Predictors of Postoperative Thrombosis in Congenital Heart Surgery

Jeffrey Weiner, Ryan Byrne, Matthew Nordness, Kimberly Crum, Sara Van Driest, Andrew H. Smith, Prince J. Kannankeril, Vanderbilt University Medical Center, Nashville, TN, USA

368 - Predictive Model For Hospital-Acquired Thrombosis in Pediatric Cardiac Patients Under One Year of Age

Therese M. Giglia, Xianqun Luan, Rachel Keashen, Karen Murphy, Janine Pappas, Kelly Veneziale, Andrew Glatz, Leslie Raffini, Children's Hospital of Philadelphia, Philadelphia, PA, USA



369 - Factors Associated With Delayed Transition to Oral Feeding in Infants With Single Ventricle Physiology

Joshua Kurtz, Shahryar Chowdhury, Frances Woodard, Sinai Zylblewski, Medical University of South Carolina, Charleston, SC, USA

370 - Characteristics of Interstage Death After Discharge From Stage I Palliation For Single Ventricle Heart Disease

Humera Ahmed, Jeffrey Anderson, Katherine Bates, Craig Fleishman, Shobha Natarajan, Nancy Ghanayem, Carole Lannon, David Brown, Boston Children's Hospital, Boston, MA, USA

372 - Parent Participation in Morbidity and Mortality Review: Parents and Physicians Disagree

Sarah de Loizaga, Katherine Clarke-Myers, Philip Khoury, Samuel Hanke, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA

Congenital Heart Disease - Moderated Poster Contributions

Session #1313M

Next Gen Has Arrived: Imaging in Congenital Heart Disease

Monday, March 12, 2018, 9:45 a.m. - 10:30 a.m.

Congenital Heart Disease and Pulmonary Hypertension Moderated Poster Theater, Poster Hall, Hall A/B

CME Hours: /CNE Hours:

ACC Poster Moderator: Puja Banka

ACC Poster Moderator: M. Regina Lantin-Hermoso

9:45 a.m.

Echocardiographic Evaluation of Patients at Follow-Up After Ross Reversal Operation Due to Autograft Dysfunction

Aaron Dunn, David Majdalany, Syed Hussain, Eugene Blackstone, Gosta Pettersson, Cleveland Clinic Foundation, Cleveland, OH, USA

9:55 a.m.

Question and Answer

10:00 a.m.

Histological Quantification of Right Ventricular Myocardial Fibrosis and Its Impact on Right Ventricular Reverse Remodeling in Adult Patients With Repaired Tetralogy of Fallot

Kenichiro Yamamura, Darren Yuen, Edward Hickey, Rajiv Chaturvedi, Mark Friedberg, Rachel Wald, Toronto Congenital Cardiac Centre for Adults, Peter Munk Cardiac Centre, Toronto General Hospital, Toronto, Canada

10:10 a.m.

Question and Answer

10:15 a.m.

Evaluation of Right Ventricular Myocardial Deformation and Tricuspid Valve Displacement in Repaired Tetralogy of Fallot Using Feature Tracking Magnetic Resonance Strain

Akio Inage, Kanako Kishiki, Naokazu Mizuno, Sakakibara Heart Institute, Tokyo, Japan

10:25 a.m.

Question and Answer

Congenital Heart Disease - Scientific

Session #732

Innovation in Congenital Cardiac Interventions: Featuring the Dan McNamara Keynote

Monday, March 12, 2018, 10:45 a.m. - 12:15 p.m.

Room 208 C

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Emile Bacha

Co-Chair: Timothy F. Feltes

10:45 a.m.

Introduction to the Dan McNamara Keynote

Timothy F. Feltes

Columbus, OH

10:50 a.m.

Dan McNamara Keynote: Pediatric Interventional Cardiology: How Far We've Come and How Far We Have Yet to Go

John P. Cheatham

Columbus, OH

11:20 a.m.

Where Are the Bioresorbable Stents for Children?

Surendranath Veeram Reddy

Dallas, TX

11:32 a.m.

State of the Art Transcatheter Pulmonary Valve Therapy

William E. Hellenbrand

New Haven, CT

11:44 a.m.

Interview with Dr. Cheatham and Audience Question and Answer

Congenital Heart Disease - Scientific

Session #748

Personalizing Care for Single Ventricle Patients - From Fetus to Adult

Monday, March 12, 2018, 12:30 p.m. - 1:45 p.m.

Room 208 C

CME Hours: 1.25 /CNE Hours: 1.25

Co-Chair: Andrew M. Atz

Co-Chair: Chitra Ravishankar

12:30 p.m.

The Other Circulation: Impact and Treatment of Lymphatic Disease in the Fontan Patient

Yoav Dori

Philadelphia, PA

12:42 p.m.

Pre-Surgical Planning and Modelling for Optimal Fontan Dynamics- Are We There Yet?

Ajit P. Yoganathan

Atlanta, GA

12:54 p.m.

Debate: All Patients Should Have Cardiac Catheterization Pre-Fontan (Pro)

Aimee K. Armstrong

Columbus, OH



1:04 p.m.

Debate: All Patients Should Have Cardiac Catheterization Pre-Fontan (Con)

Rahul Hardas Rathod
Boston, MA

1:14 p.m.

Rebuttal: Pro

1:16 p.m.

Rebuttal: Con

1:18 p.m.

Arteriovenous Malformations: Management Options in Single Ventricle Palliations
Valeria Edit Duarte
Dedham, MA

1:28 p.m.

Fontan Associated Liver Disease
Amber D. Khanna
Aurora, CO

1:39 p.m.

Panel Discussion With Audience Question and Answer

Congenital Heart Disease - Core Curriculum

Session #816

Congenital Heart Disease: Management of Everyday Issues

Monday, March 12, 2018, 12:30 p.m. - 1:45 p.m.

Room 207 A

CME Hours: 1.25 /CNE Hours: 1.25

Chair: Wayne J. Franklin

12:30 p.m.

Exercise and ACHD: What to Safely Recommend for Our Patients
Arwa Saidi
Gainesville, FL

12:45 p.m.

Afib in ACHD: Meds vs Ablation
Sylvia Abadir
Montreal, Canada

1:00 p.m.

Two Hearts to Care For: Pregnancy in ACHD Patients
Karen K. Stout
Seattle, WA

1:16 p.m.

Panel Discussion Moderator
Wayne J. Franklin
Houston, TX

1:16 p.m.

Panel Discussion with Question and Answer

Congenital Heart Disease - Moderated Poster Contributions

Session #1322M

Trends in Hospitalization For Congenital Heart Disease

Monday, March 12, 2018, 12:30 p.m. - 1:45 p.m.

Congenital Heart Disease and Pulmonary Hypertension Moderated Poster Theater, Poster Hall, Hall A/B

CME Hours: /CNE Hours:

ACC Poster Moderator: Todd Roth

ACC Poster Moderator: Rose Tompkins

12:30 p.m.

Falling Mortality and Cardiovascular Mortality in Patients With Adult Congenital Heart Disease: A Population Level Analysis of Over 5 Million People
Pardeep Jhund, Samuel Rodgers, Peter Lynn, Niki Walker, Golden Jubilee National Hospital, Glasgow, United Kingdom, University of Glasgow, Glasgow, United Kingdom

12:40 p.m.

Question and Answer

12:45 p.m.

Geographic Disparities in Access to Care For Adult Congenital Heart Disease Patients in the United States
Katherine Saliccioli, Peter Ermis, Abiodun Oluyomi, Keila Lopez, Texas Children's Hospital, Baylor College of Medicine, Houston, TX, USA

12:55 p.m.

Question and Answer

1:00 p.m.

Device Closure Versus Medical Therapy Alone For Patent Foramen Ovale in Patients With Cryptogenic Stroke: An Updated Comprehensive Meta-Analysis of Randomized Controlled Trials
Mannu Nayyar, Beatrix Ramos Bondy, Namratha Reddy, Rahman Shah, University of Tennessee Health Science Center, Memphis, TN, USA

1:10 p.m.

Question and Answer

1:15 p.m.

Pediatric Hospital Resource Utilization For Heart Failure Among Adults With Congenital Heart Disease
Jonathan Chan, Ronnie Collins, Anitha John, Children's National Health System, Washington, DC, USA

1:25 p.m.

Question and Answer

1:30 p.m.

Development of a Validated Risk Score For Interstage Death or Transplant After Stage I Palliation For Single Ventricle Heart Disease

Humera Ahmed, Jeffrey Anderson, Katherine Bates, Craig Fleishman, Shobha Natarajan, Nancy Ghanayem, Lynn Sleeper, Carole Lannon, David Brown, Boston Children's Hospital, Boston, MA, USA



1:40 p.m.

Question and Answer

Congenital Heart Disease - Hands-on Skills Learning

Session #1551

Hands-On Simulation Skills Training: Clinical Judgement

Challenge Station . . . Body Interact Simulation Platform

Monday, March 12, 2018, 2:00 p.m. - 3:00 p.m.

Personalized Skills and Simulation Center: Lounge & Learn, Hall C

CME Hours: /CNE Hours:

2:00 p.m.

Faculty: Clinical Judgement Challenge Station

Ada C. Stefanescu Schmidt

Boston, MA

Congenital Heart Disease - Scientific

Session #763

Technical Strategies in Staged Single Ventricle Palliation:

Joint Symposium of the American Association for Thoracic

Surgeons and the American College of Cardiology

Monday, March 12, 2018, 2:00 p.m. - 3:30 p.m.

Room 208 C

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Kristine Jane Guleserian

Co-Chair: James S. Tweddell

2:00 p.m.

Stage 1 Palliation: Norwood Procedure With Circulatory Arrest
(Video Presentation)

Christian Pizarro

Wilmington, DE

2:12 p.m.

Stage 1 Palliation: Norwood With Alternate Perfusion Strategy
(Video Presentation)

Joseph W. Turek

Durham, NC

2:24 p.m.

Panel Discussion With Audience Question and Answer

2:30 p.m.

Stage 2 Palliation: Bidirectional Glenn (Video Presentation)

James J. Gangemi

Charlottesville, VA

2:42 p.m.

Stage 2 Palliation: Hemi-Fontan (Video Presentation)

Jennifer C. Romano

Ann Arbor, MI

2:54 p.m.

Panel Discussion With Audience Question and Answer

3:00 p.m.

Stage 3 Palliation: Extracardiac Fontan (Video Presentation)

Paul J. Chai

New York, NY

3:12 p.m.

Stage 3 Palliation: Lateral Tunnel Fontan (Video Presentation)

Stephanie Fuller

Philadelphia, PA

3:24 p.m.

Panel Discussion With Audience Question and Answer