



Congenital Heart Disease - Scientific

Session #601

Post-Surgical Care of Children with CHD: From ICU to Your Office

Friday, March 17, 2017, 8 a.m. - 9:30 a.m.

Room 146 C

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Lisa Kohr

Co-Chair: Steven Schwartz

8:00 a.m.

Nutrition Management, What's the Cardiologist Supposed to Do?

David Hehir

Philadelphia, PA

8:15 a.m.

Debate: Sedation Following Infant Cardiac Surgery: We're Not Doing Enough

(Pro)

Ricardo A. Munoz

Pittsburgh, PA

8:30 a.m.

Debate: Sedation Following Infant Cardiac Surgery: Less is More (Con)

Michael Gaies

Ann Arbor, MI

8:45 a.m.

Interviewee: Neurodevelopmental Care

Gil Wernovsky

Miami, FL

8:45 a.m.

Interviewer: An Interview with Dr. Gil Wernovsky

William Mahle

Atlanta, GA

9:10 a.m.

Question and Answer

Congenital Heart Disease - Self-Assessment

Session #800

Test Yourself with Questions: Pediatric Cardiology

Friday, March 17, 2017, 8 a.m. - 9:30 a.m.

Room 147 A

CME Hours: 1.5 /CNE Hours:

Co-Chair: Timothy Feltes

8:00 a.m.

Faculty

Bryan C. Cannon

8:00 a.m.

Faculty

Stephen F. Kaine

Kan, MO

8:00 a.m.

Faculty

Susan P. Etheridge

Salt Lake City, UT

8:00 a.m.

Faculty

Daphne T. Hsu

Bronx, NY

Congenital Heart Disease - Hands-on Skills Learning

Session #1506

Personalized Skills Center: Hands-On Simulation - Congenital Heart Disease

Friday, March 17, 2017, 8:30 a.m. - 9:30 a.m.

Personalized Skills Center, East Salon AB

CME Hours: /CNE Hours:

8:30 a.m.

Congenital Heart Disease

Anne Marie Valente

Boston, MA

Congenital Heart Disease - Poster Contributions

Session #1101

Congenital Heart Disease: Progress in Pediatric Heart Surgery

Friday, March 17, 2017, 9:30 a.m. - 12:30 p.m.

Poster Hall, Hall C

CME Hours: 0.75 /CNE Hours: 0.75

009 - Long-Term Transplant-Free Survival Following Surgery for Coarctation of the Aorta: A Study From the Pediatric Cardiac Care Consortium

Matthew Oster, Courtney McCracken, Melinda Cory, John Hunting, Lazaros Kochilas, Emory University, Atlanta, GA, USA, Children's Healthcare of Atlanta, Atlanta, GA, USA

010 - The Aortic Perfusion Score: A Novel Scoring System to Predict Death or Transplant in Children With Pulmonary Atresia With Intact Ventricular Septum

Rohit Seth Loomba, Andrew Pelech, Children's Hospital of Wisconsin, Milwaukee, WI, USA

011 - Congenital Heart Surgery in Patients With Trisomy 13 Associated With Lower In-Hospital Mortality

Katherine Kosiv, Jeffrey Gossett, Shasha Bai, Ronnie Collins, University of Arkansas for the Medical Sciences, Little Rock, AR, USA, Arkansas Children's Hospital, Little Rock, AR, USA

012 - Early Hydrodynamic Assessment of Intestinal Sub-Mucosa Bioscaffold for Mitral Valve Replacement

Omkar Mankame, Lilliam Valdes-Cruz, Steven Bibevski, Frank Scholl, Ivan Baez, Sharan Ramaswamy, Florida International University, Miami, FL, USA, Joe DiMaggio Children's Hospital, Hollywood, FL, USA

013 - A Red Cell Preservation Strategy Reduces Postoperative Transfusions in Pediatric Heart Surgery Patients

Meena Nathan, Brielle Tishler, Kimberlee Gauvreau, Gregory S. Matte, Robert J. Howe, Linda Durham, Sharon Boyle, Derek Mathieu, Francis Fynn-Thompson, James Dinardo, Juan Ibla, Boston Children's Hospital, Boston, MA, USA, Harvard Medical School, Boston, MA, USA

015 - S-Nitrosohemoglobin Levels After Transfusion Predict Outcome of Pediatric Bypass Surgery

Faisal Matto, Peter Kouretas, Richard Smith, Jacob Ostrowsky, Anthony Cina, Douglas Hess, Jonathan Stamler, James D. Reynolds, Case Western Reserve University, Cleveland, OH, USA, University Hospitals, Cleveland, OH, USA

016 - Prediction Tool for Congenital Heart Surgery Length of Stay

Peta Alexander, Matthew DiOrio, Catherine Allan, Ravi Thiagarajan, Kimberlee Gauvreau, Meena Nathan, Derek Mathieu, Aditya Kaza, James Dinardo, Jean Connor, John Mayer, Puja Banka, Jason Thornton, John Triedman, Lisa Bergersen, Boston Children's Hospital, Boston, MA, USA

014 - Validation of Technical Performance Score for Long-Term Outcomes in Congenital Heart Surgery: 10 Year Follow-Up Data

Meena Nathan, Steven Colan, Jane Newburger, Hua Liu, Kimberlee Gauvreau, Brielle Tishler, Pedro del Nido, Boston Children's Hospital, Boston, MA, USA, Harvard Medical School, Boston, MA, USA



017 - Technical Performance Score Can Predict Post-Discharge Reinterventions in Partial and Transitional Atrioventricular Septal Defect Repair

Brielle Tishler, Kimberlee Gauvreau, Steven Colan, Pedro del Nido, Meena Nathan, Boston Children's Hospital, Boston, MA, USA, Harvard Medical School, Boston, MA, USA

018 - The Association of Technical Performance With Postoperative Complications and Hospital Costs for the Norwood Operation

Kimberly E. McHugh, Sara Pasquali, Mark Scheurer, Matthew A. Hall, Meena Nathan, Medical University of South Carolina, Charleston, SC, USA, Children's Hospital Boston, Boston, MA, USA

019 - Residual Atrioventricular Valve Regurgitation Pre-Discharge Is Associated With Post-Discharge Reinterventions Following Complete Atrioventricular Septal Defect Repair

Rinske Ijsselhof, Kimberlee Gauvreau, Pedro del Nido, Meena Nathan, Boston Children's Hospital, Boston, MA, USA, University Medical Center Utrecht, Utrecht, The Netherlands

020 - General Anesthesia Risk in Williams Beuren Syndrome Patients in the Current Era

Mark D. Levin, Beth A. Kozel, National Institutes of Health, Bethesda, MD, USA

Congenital Heart Disease - Poster Contributions

Session #1102

The Story of the Adult Congenital Heart Disease Patient and EP

Friday, March 17, 2017, 9:30 a.m. - 12:30 p.m.

Poster Hall, Hall C

CME Hours: 0.75 /CNE Hours: 0.75

021 - Arrhythmia Burden & Outcomes in Eisenmenger Syndrome

Shankar Baskar, Philippa Horne, Samantha Fitzsimmons, Philip Khoury, Joseph Vettukattill, Koichiro Niwa, Teiji Agaki, Mark Spence, Gruschen Veldtman, Cincinnati Children's Hospital, Cincinnati, OH, USA

022 - Safety of Transvenous Lead Removal in Adult Congenital Heart Disease in the US

Xiaofan Guo, Robert Hayward, Eric Vittinghoff, Sun Yong Lee, Ian Harris, Mark Pletcher, Byron Lee, University of California, San Francisco, San Francisco, CA, USA, The First Hospital of China Medical University, Shenyang, People's Republic of China

023 - Acquired Long-Term Cardiac Rhythm and Conduction Abnormalities After Arterial Switch Operation

Takeshi Tsuda, Jeanne Baffa, Bradley Robinson, Rami Kharouf, Abdul Bhat, Joel Temple, Nemours/Afred I. duPont Hospital for Children, Wilmington, DE, USA

024 - Prevalence and Predictors of Atrial Tachyarrhythmias in Adult Fontan Patients

Anushree Agarwal, Aarthi Sabanayagam, Ahmed Kheiw, Colin Cunningham, Ian Harris, Edward Gerstenfeld, Charles McCulloch, Elyse Foster, Zian Tseng, Lucas Zier, Petra Jenkins, Jaspal Dua, Devinda Karunaratne, Sahrkaw Muhyaldein, Amir Zaidi, Adam Fitzpatrick, Clifford Garratt, Bernard Clarke, Andreas Hoschitzky, Vaikom Mahadevan, University of California San Francisco, San Francisco, CA, USA, Manchester Royal Infirmary, Central Manchester University Hospitals NHS Trust, Manchester, United Kingdom

Congenital Heart Disease - Moderated Poster Contributions Session #1131M

Congenital Heart Disease: To the Third Decade and Beyond

Friday, March 17, 2017, 10 a.m. - 12 p.m.

Congenital Heart Disease and Pulmonary Hypertension Moderated
Poster Theater, Poster Hall, Hall C

CME Hours: 2 /CNE Hours: 2

ACC Poster Moderator: Eric V. Krieger

ACC Poster Moderator: Matthew J. O'Connor

10:00 a.m.

Red Blood Cell Distribution Width and Outcomes in Fontan Patients

Georges Ephrem, Amirhossein Esmaeeli, Jennifer Gerardin, Anita Saraf, Salim Hayek, Staci Jennings, Agasha Katabarwa, Fred Rodriguez, Arshed Quyyumi, Wendy Book, Emory University School of Medicine, Atlanta, GA, USA, Sibley Heart Center Cardiology, Atlanta, GA, USA

10:10 a.m.

Question and Answer

10:15 a.m.

The Systemic Right Ventricle in Transposition of the Great Arteries: What Can We Learn From Serial Imaging?

Matthew J. Lewis, Michiel Winter, Alexandra Van Dissel, Jonathan Ginns, Noa Zemer-Wassercug, Barbara Mulder, Marlon Rosenbaum, Columbia University Medical Center, New York, NY, USA, a.m.C, Amsterdam, The Netherlands

10:25 a.m.

Question and Answer

10:30 a.m.

Outcomes of Direct Current Cardioversion in Adults With Congenital Heart Disease

Alexander C. Egbe, Samuel Asirvatham, Suraj Kapa, Heidi Connolly, Naser Ammash, Mayo Clinic, Rochester, MN, USA

10:40 a.m.

Question and Answer

10:45 a.m.

Prevalence and Incidence of Heart Failure in Adolescents and Adults With Repaired Tetralogy of Fallot

Andreas P. Kalogeropoulos, Panagiotis Savvoulidis, Anita Saraf, Fred Rodriguez, Trenton Hoffman, Cheryl Raskind-Hood, Carol Hogue, Wendy Book, Emory University, Atlanta, GA, USA, Sibley Heart Center, Atlanta, GA, USA

10:55 a.m.

Question and Answer

11:00 a.m.

Outcomes of Non-Cardiac Procedures in Adult Fontan Patients

Alexander C. Egbe, Heidi Connolly, Carole Warnes, Arooj Khan, Sameh Said, Mayo Clinic, Rochester, MN, USA

11:10 a.m.

Question and Answer

11:15 a.m.

Neurocognitive Impairment Is Common in the Adult With Congenital Heart Disease: Identification Using a Novel Clinical Questionnaire

Scott Cohen, Ashley Leverenz, Michael Reis, Laura Umfleet, Salil Ginde, Peter Bartz, Michael Earing, Medical College of Wisconsin, Milwaukee, WI, USA

11:25 a.m.

Question and Answer



11:30 a.m.

Twenty Year Trends in Maternal and Perinatal Complications in Pregnant Women With Heart Disease

Samuel C. B. Siu, Mathew Sermer, Jennifer Mason, Rachel Wald, Jack Colman, Candice Silversides, Western University, London, Canada, University of Toronto, Toronto, Canada

11:40 a.m.

Question and Answer

11:45 a.m.

Long-Term Follow-Up in Adult Survivors of Pulmonary Atresia With Intact Ventricular Septum

Christine Bui, Wilson Lam, Wayne Franklin, Peter Ermis, Texas Children's Hospital, Baylor College of Medicine, Houston, TX, USA

11:55 a.m.

Question and Answer

Congenital Heart Disease - Poster Contributions

Session #1142

Adult Patients With Congenital Heart Disease: How Do They Compare?

Friday, March 17, 2017, 1:30 p.m. - 4:30 p.m.

Poster Hall, Hall C

CME Hours: 0.75 /CNE Hours: 0.75

009 - Worse Outcomes in Hospitalizations of Women With Turner Syndrome Compared to Women Without Turner Syndrome

Isani Singh, Lindsey M. Duca, David Kao, Amber Khanna, University of Colorado, Aurora, CO, USA

010 - Risk of Stroke in Adult Patients With Congenital Heart Disease

Compared With the General Population: A Danish Nationwide Population-Based Cohort Study

Mette Glavind Bülow Pedersen, Morten Olsen, Morten Schmidt, Henning B. Laursen, Søren Johnsen, Nicolas Madsen, Department of Clinical Epidemiology, Aarhus University Hospital, Aarhus N, Denmark, Heart Institute, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA

011 - Obstructive Sleep Apnea in Adult Congenital Heart Disease: Who Is at Risk?

Benjamin Hendrickson, Damilola Olatunji, David Briston, Pamela Goldsmith, Matthew Granger, Trisha Gribble, Krista Kukovec, Renee Schnug, Rami Khayat, Curtis Daniels, Elisa Bradley, Ohio State University, Columbus, OH, USA, Nationwide Children's Hospital, Columbus, OH, USA

012 - Mortality in Pregnant Women With Congenital Heart Disease: A Subanalysis of the California Pregnancy-Associated Mortality Review

Aarthi Sabanayagam, Anushree Agarwal, Christy MacCain, Elizabeth Lawton, Elliot Main, Afshan Hameed, Ian Harris, Elyse Foster, University of California San Francisco, San Francisco, CA, USA

013 - Exercise Capacity After Repair of Ebstein Anomaly in Adults: The Cone Era

Brandon Morrical, Joseph A. Dearani, David J. Driscoll, Nathaniel Taggart, Mayo Clinic, Rochester, MN, USA

014 - Factors Associated With Completion of Advanced Directives in Adults With Congenital Heart Disease

Nancy H. Klein, Whitney Osborne, Rachel Steury, Seiji Ito, Ruth Phillippi, Anitha John, Children's National Health System, Washington, DC, USA

015 - Decreased Hepatic Elasticity in Young Adults After Biventricular Repair of Congenital Heart Disease

Shaija Shelby, David Danford, Jonathan Cramer, Angela Yetman, Shane Tsai, Ling Li, Scott Fletcher, Ruben Quiros-Tejeira, Shelby Kutty, University of Nebraska Medical Center, Omaha, NE, USA, Children's Hospital and Medical Center, Omaha, NE, USA

016 - Right and Left Ventricular Mechanics Are Altered in Adolescents and Adults Late After Repair of Subarterial Ventricular Septal Defects

Sit-Yee Kwok, Susanna Yeung, Wing Yi Li, Yiu-Fai Cheung, University of Hong Kong, Hong Kong, Hong Kong

Congenital Heart Disease - Poster Contributions

Session #1143

Congenital Heart Disease: Advances in Quality Improvement for Pediatric Cardiac Care

Friday, March 17, 2017, 1:30 p.m. - 4:30 p.m.

Poster Hall, Hall C

CME Hours: 0.75 /CNE Hours: 0.75

017 - Cost-Analysis of Outpatient Cardiac Catheterization in Infants With Single Ventricle Congenital Heart Disease

Jamie Colombo, Michael Spaeder, Jeffrey Vergales, Michael Hainstock, University of Virginia, Charlottesville, VA, USA

018 - Revenue Return on Investment for Center Involvement in a Quality Improvement Collaborative for a Rare Disease: National Pediatric Cardiology Quality Improvement Collaborative

Jeffrey B. Anderson, David Brown, Stacey Lihn, James Tweddell, Jesse Hansen, Mark McDonald, Greg Lubiani, Carole Lannon, Cincinnati Children's Hospital, Cincinnati, OH, USA

019 - Standardizing the Care of Outpatient Pediatric Syncope and Dizziness: A Lesson in Utilization and Charge Reduction

Christopher Statile, Samuel Hanke, Richard Czosek, Enisa Handlon, James Brown, Amy Donnellan, Jeffrey Anderson, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA

020 - Making Perioperative Handoff Communication Count by Improving Safety and Quality in a New Congenital Heart Program

Pooja Nawathe, Nicole Berndsen, Veena Sivarajan, Vincent Olshove, Ken Catchpole, Alistair Phillips, Cedars Sinai Medical Center, Los Angeles, CA, USA

Congenital Heart Disease - Poster Contributions

Session #1144

Innovations in Pediatric Catheterization and EP: Mending, Fixing and Predicting

Friday, March 17, 2017, 1:30 p.m. - 4:30 p.m.

Poster Hall, Hall C

CME Hours: 0.75 /CNE Hours: 0.75

021 - Treatment of Congenital Coronary Fistula

Fabiola Sozzi, Nicolas Hugues, Laura Iacuzio, Francois Bourlon, Filippo Civaia, Gilles Dreyfus, Vincent Dor, Cardiothoracic Centre, Montecarlo, Monaco, Ospedale Maggiore Policlinico, Milan, Italy

022 - Percutaneous Patent Foramen Ovale Closure Benefit: Is Right Patient Selection the Answer?

Luis Almeida-Morais, Lidia Sousa, Antonio Fiarresga, Ana T. Timoteo, Jose Diogo Martins, Filipa Ferreira, Jose Alberto Oliveira, Cristina Soares, Ana Agapito, Fatima Pinto, Rui Ferreira, Centro Universitário de Cardiologia, Hospital de Santa Marta, Lisbon, Portugal

023 - Outcome of Preoperative Electrophysiology Study in Patients With Ebstein Anomaly

Alexander C. Egbe, Vidhushei Yogeswaran, Heidi Connolly, Mayo Clinic, Rochester, MN, USA

024 - Ductal Origin of an Isolated Pulmonary Artery: Initial Stenting Followed by Unifocalization

Navaneetha Sasikumar, Kyong-Jin Lee, Lee Benson, Rajiv Chaturvedi, The Hospital for Sick Children, Toronto, Canada



Congenital Heart Disease - Scientific

Session #626

Key Controversies in ACHD: The Time for Change is Now

Friday, March 17, 2017, 2 p.m. - 3:30 p.m.

Room 146 C

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Curt J. Daniels

Co-Chair: Karen K. Stout

Panelist: Ami B. Bhatt

Panelist: Matthew J. Lewis

Panelist: George K. Lui

Panelist: Arwa Saidi

2:00 p.m.

Rome Was Not Built in a Day: How We Think About Adult Congenital Heart Disease and the Foundation of the New Guidelines

Curt J. Daniels

Columbus, OH

2:15 p.m.

Time for Change: Key Changes in ACHD Management Based on the 2016 Guidelines

Karen K. Stout

Seattle, WA

2:30 p.m.

Surgery is Still in: Class I Indications for Surgical Intervention in ACHD

Nathalie Roy

Boston, MA

2:45 p.m.

Models of Care: Guideline Perspective on Patient Centered Care and Management

Michelle Gurvitz

Boston, MA

3:00 p.m.

ACHD Guideline Highlights: Review of Class I Recommendations in the Updated ACHD Guidelines

Biykem Bozkurt

Houston, TX

3:15 p.m.

Panel Discussion

Congenital Heart Disease - Moderated Poster Contributions

Session #1171M

Predicting Outcomes in Pediatric Heart Disease

Friday, March 17, 2017, 3:45 p.m. - 4:30 p.m.

Congenital Heart Disease and Pulmonary Hypertension Moderated Poster Theater, Poster Hall, Hall C

CME Hours: 0.75 /CNE Hours: 0.75

ACC Poster Moderator: Kimberly E. McHugh

ACC Poster Moderator: Richard Ringel

3:45 p.m.

Growth Dynamics of Aorta in Bicuspid Aortic Valve Patients From Infancy to Young Adult Age

Talha Niaz, Joseph Poterucha, Jonathan Johnson, Timothy Olson, Donald Hagler, Mayo Clinic, Rochester, MN, USA

3:55 p.m.

Question and Answer

4:00 p.m.

Insurance Type Is Associated With Longer Hospital Duration but Similar Mortality Among Children Undergoing Congenital Heart Surgery

Kathleen Ryan, Claudia Algaze, Charlotte Sakarovitch, Thomas Do, Vamsi Yarlagadda, Susan Fernandes, Doff McElhinney, Stephen Roth, Catherine Krawczeski, Andrew Shin, Lucile Packard Children's Hospital at Stanford, Palo Alto, CA, USA

4:10 p.m.

Question and Answer

4:15 p.m.

Risk Stratification of Children Undergoing Valve-Sparing Repair of Tetralogy of Fallot

Sophie C. Hofferberth, Sitaram M. Emani, Minmin Lu, Lynn A. Sleeper, Fatima Lunze, Gerald Marx, Christopher Baird, Pedro del Nido, Meena Nathan, Boston Children's Hospital, Harvard Medical School, Boston, MA, USA

4:25 p.m.

Question and Answer

Congenital Heart Disease - Scientific

Session #640

Surgical and Transcatheter Valve Therapy for Congenital Heart Disease

Friday, March 17, 2017, 4:45 p.m. - 6 p.m.

Room 146 C

CME Hours: 1.25 /CNE Hours: 1.25

Co-Chair: Sharon Cheatham

Co-Chair: Jennifer C. Romano

Panelist: Christopher Breuer

Panelist: John B. Cadigan, III

Panelist: Ignacio Inglessis

Panelist: Doff McElhinney

4:45 p.m.

Pre-debate Poll

4:46 p.m.

Debate: The Ross is the Best Aortic Valve Replacement for Adolescents (Pro)

Mark Turrentine

Indianapolis, IN

4:54 p.m.

Debate: The Ross is the Best Aortic Valve Replacement for Adolescents (Con)

Jennifer Romano

Ann Arbor, MI

5:02 p.m.

Post-debate Poll

5:03 p.m.

ACC-Talk: Transcatheter Valve Therapy: The Perspective of a Physician as a Father of a Patient

John B. Cadigan, III

Medfield, MA

5:09 p.m.

Transcatheter Valve Therapy: The Perspective of a Patient Whose Father is a Cardiologist

John B. Cadigan, IV

Medfield, MA

5:15 p.m.

Question and Answer

5:18 p.m.

Tissue Engineering Heart Valves for Fetuses

Christopher Breuer

Columbus, OH



5:27 p.m.

Question and Answer

5:30 p.m.

Update on Transcatheter Valve Therapy for the Native RVOT

Ignacio Inglessis

Boston, MA

5:39 p.m.

Question and Answer

5:42 p.m.

Hybrid Approach to Pulmonary Valve Replacement

Diego Porras

Boston, MA

5:51 p.m.

Panel Discussion

Congenital Heart Disease - Scientific

Session #653

Six Years of Making an IMPACT

Saturday, March 18, 2017, 8 a.m. - 9:30 a.m.

Room 146 C

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Robert Beekman

Co-Chair: Georges Ephrem

Panelist: Aimee K. Armstrong

Panelist: Matthew Lewis

Panelist: Gerard Martin

Panelist: Ada Stefanescu

8:00 a.m.

ACC Talk: The IMPACT Registry Can Be Used by Families to Shop for the Best

Center

Gerard Martin

Washington, DC

8:12 a.m.

Question and Answer

8:15 a.m.

Creating an IMPACT: Establishing a Congenital Catheterization Registry from Scratch

Robert Vincent

Atlanta, GA

8:25 a.m.

Question and Answer

8:28 a.m.

Adjusting for Risk within IMPACT

Natalie Jayaram

Kansas City, MO

8:38 a.m.

Question and Answer

8:41 a.m.

How You Can Make an IMPACT: How to Use the Registry for Research

Brian Boe

Columbus, OH

8:51 a.m.

Question and Answer

8:54 a.m.

Proximal Pulmonary Artery Stenting: Efficacy and Adverse Events

Matthew Lewis

New York, NY

9:04 a.m.

Question and Answer

9:07 a.m.

Making an IMPACT: Using the Registry for QI

Aimee Armstrong

Columbus, OH

9:17 a.m.

Question and Answer

9:20 a.m.

Panel Discussion

Congenital Heart Disease - Core Curriculum

Session #807

Core Curriculum: Rhythm and the Blues: Still Young at Heart

Saturday, March 18, 2017, 8 a.m. - 9:30 a.m.

Room 151 A

CME Hours: 1.5 /CNE Hours: 1.5

Chair: Carole A. Warnes

8:00 a.m.

Simple versus Complex CHD: When to Refer to a Specialist?

Ashraf Harahsheh

Washington, DC

8:25 a.m.

Common Misfirings of the Heart: Implications in ACHD

Dhaval R. Parekh

Houston, TX

8:50 a.m.

Managing the Failing Heart in the Blue Patient

Doreen D. Yeh

Boston, MA

9:15 a.m.

Question and Answer

Congenital Heart Disease - Poster Contributions

Session #1182

Congenital Heart Disease: Innovations in Single Ventricle Heart Disease

Saturday, March 18, 2017, 9:30 a.m. - 12:30 p.m.

Poster Hall, Hall C

CME Hours: 0.75 /CNE Hours: 0.75

009 - Hypoplastic Left Heart Syndrome With Intact or Restrictive Atrial Septum: What Happens After Survival?

Brian Snarr, Michael Liu, Benjamin Zielonka, Jack Rychik, The Children's Hospital of Philadelphia, Philadelphia, PA, USA

010 - Right Ventricular Remodelling in Hypoplastic Left Heart Syndrome: Impact of the Norwood and Hybrid Procedures

Kandice Mah, Jesus Serrano Lomelin, Luke Eckersley, Lily Lin, Timothy Colen, Edythe Tham, Harald Becher, Luc Mertens, Nee Sze Khoo, Stollery Children's Hospital, Edmonton, Canada, Sickkids, Toronto, Canada

011 - Is a Pulsatile Glenn an Adequate Alternative for Long-Term Palliation in Patients With Single Ventricle Physiology?

Carlos M. Mery, Martin A. Chacon-Portillo, Huirong Zhu, Heather Dickerson, Iki Adachi, Jeffrey Heinle, Lauren Kane, Emmett McKenzie, Charles Fraser, Texas Children's Hospital, Baylor College of Medicine, Houston, TX, USA

012 - Long Term Outcomes After the Fontan Procedure in Patients With Single Ventricle: A Meta-Analysis

Ilana Schwartz, Courtney McCracken, Christopher Petit, Ritu Sachdeva, Emory University School of Medicine, Atlanta, GA, USA



013 - Detection of Heart Failure With Preserved Ejection Fraction in Single Ventricle Physiology: Insights From the Pediatric Heart Network Fontan Cross-Sectional Study Public Use Dataset

Shahryar Chowdhury, Eric Graham, Carolyn Taylor, Geoffrey Forbus, Andrew Savage, Andrew Atz, Medical University of South Carolina, Charleston, SC, USA

014 - Association of Increased Total Atrial Volume With Clinical Heart Failure Status in Hypoplastic Left Heart Syndrome

Angela Kelle, Govinda Paudel, Muhammad Qureshi, Megan O'Byrne, Patrick O'Leary, Mayo Clinic, Rochester, MN, USA

015 - Does Tricuspid Annular Plane Systolic Excursion (TAPSE) Adequately Describe Right Ventricular Function in Hypoplastic Left Heart Syndrome?

Ololade Akintoye, Curtis Travers, William Border, Christopher J. Petit, Erik Michelfelder, Ritu Sachdeva, Emory University School of Medicine, Atlanta, GA, USA, Children's Health Care of Atlanta, Atlanta, GA, USA

016 - Impact of Home Monitoring Program on Interstage Mortality and Stage II Outcomes

Monique Gardner, Laura Mercer-Rosa, Katherine Bates, Alyson Stagg, Shobha Natarajan, Anita Szawst, Jessica (Jie) Tang, Stephanie Fuller, Christopher Mascio, Desiree Fleck, Deborah L. Torowicz, Therese Giglia, Jonathan Rome, Chitra Ravishankar, Children's Hospital of Philadelphia, Philadelphia, PA, USA

017 - Standardization of Peri-Operative Management After Norwood Operation Has Not Improved 1 Year Outcomes

Shilpa Shah, Steven Schwartz, Andrew Goodwin, Osami Honjo, Glen Van Arsdell, Mike Seed, Jennifer Russell, Alejandro Floh, Hospital for Sick Children, Toronto, Canada

018 - Interstage Resource Utilization of Infants With Single Ventricle: Results of a Crossover Study

Lori Erickson, Kimberly Reid, Amy Ricketts, Bryan Beaven, Suma Goudar, Amy Lay, Richard Stroup, James O'Brien, Girish Shirali, Children's Mercy Kansas City, Kansas City, MO, USA

019 - From Fetus to Fontan: A Single Center Experience of Resource Utilization for Patients Diagnosed With Single Ventricle Cardiac Defects

Benjamin Zielonka, Michael Liu, Brian Snarr, Xuemei Zhang, Jack Rychik, The Children's Hospital of Philadelphia, Philadelphia, PA, USA

020 - Do Pediatric Cardiologists Follow the Sports Restriction Recommendations for Children With a Bicuspid Aortic Valve?

Melissa Yamauchi, Michael Puchalski, Nelangi Pinto, Susan P. Etheridge, Hsin-Yi Weng, Angela Presson, L. LuAnn Minich, Richard Williams, University of Utah, Salt Lake City, UT, USA, Primary Children's Hospital, Salt Lake City, UT, USA

Congenital Heart Disease - Poster Contributions

Session #1183

Fontan in the Modern World

Saturday, March 18, 2017, 9:30 a.m. - 12:30 p.m.

Poster Hall, Hall C

CME Hours: 0.75 /CNE Hours: 0.75

021 - Prevalence of Elevated Body Mass Index and Its Association With Clinical Features in Adult Fontan Patients

Anushree Agarwal, Aarthi Sabanayagam, Ahmed Kheiw, Colin Cunningham, Lucas Zier, Charles McCulloch, Ian Harris, Elyse Foster, Dougal Atkinson, Angela Bryan, Petra Jenkins, Jaspal Dua, Michael Parker, Devinda Karunaratne, John A. Moore, Jeffery Meadows, Bernard Clarke, J. Andreas Hoschitzky, Vaikom Mahadevan, University of California San Francisco, San Francisco, CA, USA, Manchester Royal Infirmary, Central Manchester University Hospitals NHS Trust, Central Manchester, United Kingdom

022 - Macitentan Use as Serial Therapy in Failing Fontan Physiology

Tabitha Grace Moe, Phoenix Children's Hospital, Phoenix, AZ, USA

023 - Towards a Better Predictive Model of Adverse Events in Adult Fontan Patients

M. Abigail Simmons, Wendy Book, Kayoko Shioda, Makoto Mori, Robert W. Elder, JR, Yale University School of Medicine, New Haven, CT, USA, Emory University School of Medicine, Atlanta, GA, USA

024 - Cardiopulmonary Exercise Test in Adults With Prior Fontan Operation: The Prognostic Value of Serial Testing

Alexander C. Egbe, Heidi Connolly, Mayo Clinic, Rochester, MN, USA

Congenital Heart Disease - Scientific

Session #668

Exercise in Congenital Heart Disease

Saturday, March 18, 2017, 10:45 a.m. - 12:15 p.m.

Room 146 C

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: W. Kay

Co-Chair: Richard Williams

10:45 a.m.

The 5 Most Controversial Changes in the AHA/ACC Guidelines for Exercise in Congenital Heart Disease
Julianne K. Evangelista

11:00 a.m.

A Practical Approach to Exercise Recommendations in Congenital Heart Disease

Arwa Saidi

Gainesville, FL

11:15 a.m.

Weightlifting and Congenital Heart Disease: Getting the Pump Pumped Up
Stephen Paridon
Philadelphia, PA

11:30 a.m.

US Military Service and Congenital Heart Disease: Who Can Serve in Uniform and Why

Chad Mao

Atlanta, GA

11:45 a.m.

Put Me in Coach: Playing Sports with Congenital Heart Disease

Rachel Ennis

Washington, DC

12:00 p.m.

Question and Answer

Congenital Heart Disease - Special

Session #6005

Engage @ ACC.17 Studio: Simulation I -- Congenital Heart Disease

Saturday, March 18, 2017, 12:15 p.m. - 1:30 p.m.

Engage @ ACC.17 Studio, Hall C

CME Hours: 1.25 /CNE Hours: 1.25

Co-Chair: Michael W. Cullen

Co-Chair: Scott M. Lilly

12:15 p.m.

Simulation Faculty

Anne Marie Valente

12:15 p.m.

Simulation Faculty

Keri Shafer

Boston, MA



Congenital Heart Disease - Scientific

Session #685

Precision Medicine: It's Hot, But What Is It?

Saturday, March 18, 2017, 12:30 p.m. - 1:45 p.m.

Room 146 C

CME Hours: 1.25 /CNE Hours: 1.25

Co-Chair: Tal Geva

Co-Chair: Doff McElhinney

Panelist: Piers C. A. Barker

Panelist: Puneet Bhatla

Panelist: Kanwal M. Farooqi

Panelist: Bruce Gelb

Panelist: Seema Mital

12:30 p.m.

Introduction to Precision Medicine - as it Exists in the Current ERA

Bruce Gelb

New York, NY

12:41 p.m.

Genetics Can Map the Way to Individualized Therapy in CHD

Seema Mital

Toronto, Canada

12:52 p.m.

Can Computational Fluid Dynamic Assessment Impact Management of Anomalous Coronary Arteries?

Piers Barker

Durham, NC

1:03 p.m.

Panel Discussion with Audience Question and Answer

1:13 p.m.

Can Finite Element Modelling Impact Transcatheter Interventions?

Puneet Bhatla

NY, NY

1:24 p.m.

Can Segmental Computational Modeling impact Assessment of VAD Placement and Transplant Assessment in Patients with CHD?

Kanwal Farooqi

New York, NY

1:35 p.m.

Panel Discussion with Audience Question and Answer

Congenital Heart Disease - Moderated Poster Contributions

Session #1220M

Therapeutic Advances in Congenital Heart Disease

Saturday, March 18, 2017, 12:30 p.m. - 1:45 p.m.

Congenital Heart Disease and Pulmonary Hypertension Moderated

Poster Theater, Poster Hall, Hall C

CME Hours: 1.25 /CNE Hours: 1.25

ACC Poster Moderator: Kevin D. Hill

ACC Poster Moderator: Luciana T. Young

12:30 p.m.

Stable Incidence of Endocarditis in Pediatric Patients Before and After the 2007 Endocarditis Prophylaxis Guidelines

Stephen Dolgner, Titus Chan, Seattle Children's Hospital, Seattle, WA, USA

12:40 p.m.

Question and Answer

12:45 p.m.

Safety of Enalapril in Infants: Data From the Pediatric Heart Network Infant With Single Ventricle Trial

Kanika Mathur, Jacqueline Lamour, Daphne Hsu, Scott I. Aydin, Children's Hospital at Montefiore, Bronx, NY, USA

12:55 p.m.

Question and Answer

1:00 p.m.

Association of Fractures With Furosemide Therapy in Pediatric Medicaid Patients With Congenital Heart Disease

Ji Haeng Heo, Karen L. Rascati, Keila Lopez, Brady Moffett, The University of Texas at Austin, Austin, TX, USA, Texas Children's Hospital, Houston, TX, USA

1:10 p.m.

Question and Answer

1:15 p.m.

Effect of Obesity and Underweight Status on Perioperative Outcomes in Patients With Congenital Heart Disease: An Analysis of Data From the Society of Thoracic Surgeons Congenital Heart Surgery Database

Michael L. O'Byrne, Sunghee Kim, Christoph Hornik, Babatunde Yerokun, Roland Matsouaka, Jeffrey Jacobs, Marshall Jacobs, Richard Jonas, Children's National Medical Center, Washington, DC, USA, Duke University School of Medicine, Durham, NC, USA

1:25 p.m.

Question and Answer

1:30 p.m.

Improved Exercise Performance in Pediatric Fontan Patients After Cardiac Rehabilitation

Samuel G. Wittekind, Wayne Mays, Yvette Gerdes, Sandra Knecht, John Hambrook, William Border, John Jefferies, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA

1:40 p.m.

Question and Answer

Congenital Heart Disease - Poster Contributions

Session #1231

Congenital Heart Disease: New Diagnostic Approaches in Congenital Heart Disease

Saturday, March 18, 2017, 1:30 p.m. - 4:30 p.m.

Poster Hall, Hall C

CME Hours: 0.75 /CNE Hours: 0.75

009 - Utility of Genetic Testing in Infants With Isolated Congenital Heart Disease

Kaitlin L'Italien, Sara Fitzgerald-Butt, Janet Simsic, Kim McBride, Jessica Bowman, Vidu Garg, Nationwide Children's Hospital, Columbus, OH, USA

010 - Exome Sequencing Reveals Novel Variants in *TMEM59L* and *KLHL26* Associated With a Familial Case of Ebstein's Anomaly and Left Ventricular Noncompaction

Lauren North, Donna Mahnke, Karl Stamm, Huan Ling Liang, Richard J. Willes, Michele Frommelt, Michael Mitchell, Aoy Tomita-Mitchell, Medical College of Wisconsin, Milwaukee, WI, USA, Children's Hospital of Wisconsin, Milwaukee, WI, USA

011 - Modified Newborn Pulse Oximetry Screening for Out-of-Hospital Births Devayani Chowdhury, Katie Williams, Cardiology Care for Children, Lancaster, PA, USA, Clinic for Special Children, Strasburg, PA, USA

012 - Variation in Prenatal Diagnosis of Congenital Heart Defects in a Population-Based Study in Southern China

Yanqiu Ou, Jian Zhuang, Xiaoqing Liu, Guangdong Cardiovascular Institute, Guangzhou, People's Republic of China, Guangdong General Hospital, Guangdong Academy of Medical Sciences, Guangzhou, People's Republic of China



013 - Impact of Maternal Diabetes on First & Early Second Trimester Fetal Cardiovascular Health

Dora Gyenes, Jesus Serrano-Lomelin, Venu Jain, Claudine Bohun, Winnie Savard, Angela McBrien, Lisa Hornberger, University of Alberta, Edmonton, Canada

014 - The Incremental Benefit of Color Tissue Doppler Imaging in Fetal Rhythm Assessment

Silvia Alvarez, Paul Brooks, Nee Sze Khoo, Timothy Colen, Lisa Hornberger, Stollery Children's Hospital, Edmonton, Canada

015 - Left Atrial Stiffness: A New Noninvasive Index That May Serve as a Surrogate Marker of Left Ventricular Diastolic Dysfunction in Children

Jeremy Zuckerberg, Michael Quartermain, Stanford Ewing, Anirban Banerjee, University of Pennsylvania School of Medicine, Philadelphia, PA, USA

016 - Right Ventricular Contractile Reserve Is Reduced in Children and Adolescents With Tetralogy of Fallot: A Stress Echocardiographic Study

Shivani M. Bhatt, Elizabeth Goldmuntz, Okan Elci, Michael McBride, Stephen Paridon, Laura Mercer-Rosa, The Children's Hospital of Philadelphia, Philadelphia, PA, USA

017 - Mitral Valve Phase Contrast Imaging Is a More Reproducible Method of Determining Cardiac Rest Periods for Whole-Heart Coronary Magnetic Resonance Angiography in Congenital Heart Disease Than 4 Chamber Cine

Maria Batsis, Gerald Greil, Animesh Tandon, Tarique Hussain, University of Texas Southwestern Medical Center, Dallas, TX, USA

018 - Short Axis Diastolic Ventricular Area Ratio as a New Index in Screening Patients With Repaired Tetralogy of Fallot

Dala Zakaria, Sean Lang, Elijah Bolin, Jeffrey Gossett, Mallikarjuna Rao Rettiganti, Thomas Collins, University of Arkansas for Medical Sciences, Little Rock, AR, USA

019 - Feasibility of Rapidly Creating High Resolution Virtual Three-Dimensional Models of Anomalous Aortic Origin of Coronary Arteries

Kelly Nicol, Anthony Costa, Shubhika Srivastava, Santosh Uppu, Mount Sinai School of Medicine, New York, NY, USA

020 - Cardiovascular Health of Offspring of Diabetic Mothers From the Fetus Through Late Infancy Stages

Victor Do, Tina Ojala, Timothy Colen, Silvia Goncalvez-Alvarez, Sandra Davidge, Jesus Serrano-Lomelin, Lisa Hornberger, University of Alberta, Edmonton, Canada

Congenital Heart Disease - Poster Contributions

Session #1232

Things That Begin With an "A" in Adult Congenital Heart Disease: What Is Aorta, Artery and Anomalous?

Saturday, March 18, 2017, 1:30 p.m. - 4:30 p.m.

Poster Hall, Hall C

CME Hours: 0.75 /CNE Hours: 0.75

021 - Long-Term Cardiovascular Outcomes in Patients With Anomalous Coronary Arteries Visualized by Coronary CT Angiography: The CONFIRM (COronary CT Angiography EvaluationN For Clinical Outcomes: An International Multicenter) Registry

Subhi Al'Aref, Khalil Anchouche, Ashley Beecy, Heidi Gransar, Briain O. Hartaigh, Mahn Won Park, Asim Rizvi, Ji Hyun Lee, Donghee Han, Hadi Mirhedayati Roudsari, Daniel Berman, Tracy Callister, Augustin DeLago, Martin Hadamitzky, Joerg Hausleiter, Mouaz Al-Mallah, Matthew Budoff, Philipp Kaufmann, Gilbert Raff, Kavitha Chinnaiyan, Filippo Cademartiri, Erica Maffei, Todd Villines, Yong-Jin Kim, on behalf of the CONFIRM Investigators, Weill Cornell Medical College, New York, NY, USA

022 - Isolated Single Coronary Artery in Adult Population: A Contemporary Classification

Rajan Kumar, Archana Sinha, Jamshid Shirani, Saint Luke's University Health Network, Bethlehem, PA, USA

024 - The RAC Sign: Retroaortic Anomalous Coronary Artery Visualization by Transthoracic Echocardiography

Chance M. Witt, Leslie Elvert, Ewa Konik, Naser Ammash, David Foley, Thomas Foley, Mayo Clinic, Rochester, MN, USA

Congenital Heart Disease - Hands-on Skills Learning

Session #1513

Personalized Skills Center: Hands-On Simulation - Congenital Heart Disease

Saturday, March 18, 2017, 2 p.m. - 3 p.m.

Personalized Skills Center, East Salon AB

CME Hours: /CNE Hours:

2:00 p.m.

Congenital Heart Disease

Keri Shafer

Boston, MA

Congenital Heart Disease - Scientific

Session #701

Value, Advocacy and the Future of Adult Congenital and Pediatric Cardiology

Saturday, March 18, 2017, 2 p.m. - 3:30 p.m.

Room 146 C

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Rupali Gandhi

Co-Chair: Robert Campbell

Panelist: Robert H. Beekman

Panelist: Kathy J. Jenkins

Panelist: James Kaufman

Panelist: Virginia Moyer

2:00 p.m.

ACC-Talk: Knowledge is Savings: Provider Behavior Changes When we Know Cost

John Friedman

Boston, MA

2:10 p.m.

Optimal Clinical Outcomes and Value

Kathy J. Jenkins

Boston, MA

2:20 p.m.

Medicaid Strategies in Children's Health Care

James Kaufman

Washington, DC

2:40 p.m.

Demonstrating Value through Life-long Learning

Virginia Moyer

Chapel Hill, NC

2:50 p.m.

Panel Introduction: Toward a Better Understanding of Long-Term CHD Care

Outcomes: Lessons Learned from CHD Community Day

Ritu Sachdeva

Atlanta, GA

2:55 p.m.

Panel Discussion with Audience Question and Answer



Congenital Heart Disease - Gaming

Session #6007

Engage @ ACC.17 Studio: The Newlywed Game for Pediatric Cardiac Providers

Saturday, March 18, 2017, 3:30 p.m. - 4:30 p.m.

Engage @ ACC.17 Studio, Hall C

CME Hours: 1 /CNE Hours: 1

Co-Chair: Bronwyn Bartle

Co-Chair: Alistair Phillips

3:30 p.m.

Participant, Team 1

Stephanie Fuller

3:30 p.m.

Participant, Team 1

Bryan H. Goldstein

Cincinnati, OH

3:30 p.m.

Participant, Team 2

Emile Bacha

New York, NY

3:30 p.m.

Participant, Team 2

Julie Vincent

Yorktown Heights, NY

3:30 p.m.

Participant, Team 3

George K. Lui

Stanford, CA

3:30 p.m.

Participant, Team 3

Andrew Y. Shin

Palo Alto, CA

3:30 p.m.

Participant, Team 4

Robert Jaquiss

Durham, NC

3:30 p.m.

Participant, Team 4

Gregory Fleming

Durham, NC

3:30 p.m.

Audience Polling

3:30 p.m.

Moderated Panel Discussion with Audience Questions and Answers

Congenital Heart Disease - Moderated Poster Contributions

Session #1259M

Impact of Prenatal Environment on Congenital Heart Disease

Saturday, March 18, 2017, 3:45 p.m. - 4:30 p.m.

Congenital Heart Disease and Pulmonary Hypertension Moderated Poster Theater, Poster Hall, Hall C

CME Hours: 0.75 /CNE Hours: 0.75

ACC Poster Moderator: Mark B. Lewin

ACC Poster Moderator: Ismee Williams

3:45 p.m.

Maternal Blood Trace Element Levels and Risks for Fetal Congenital Heart

Defects in Guangdong, China

Yanqiu Ou, Michael S. Bloom, Liu Xiaoqing, Lin Shao, Guangdong

Cardiovascular Institute, Guangzhou, People's Republic of China, Guangdong

General Hospital, Guangdong Academy of Medical Sciences, Guangzhou,

People's Republic of China

3:55 p.m.

Question and Answer

4:00 p.m.

Umbilical Arterial Blood Flow in the Third Trimester and Its Association With Clinical and Neurodevelopmental Outcomes in Children With Critical Neonatal Congenital Heart Disease

Jayani Abeysekera, Dora Gyenes, Charlene Robertson, Gwen Alton, Irina

Dinu, Dianne Creighton, Joseph Atallah, Ivan Rebeyka, Lisa Hornberger,

University of Alberta, Edmonton, Canada

4:10 p.m.

Question and Answer

4:15 p.m.

Maternal Exosomal miRNAs in Diabetes Contribute to the Cardiac Development Deficiency

Ruijing Shi, Wenbin Cai, Xueying Zhou, Lianbi Zhao, Guodong Yang, Lijun

Yuan, Department of Ultrasound Diagnostics, Tangdu Hospital, Fourth

Military Medical University, Xi'an, People's Republic of China, Department of

Biochemistry and Molecular Biology, Fourth Military Medical University,

Xi'an, People's Republic of China

4:25 p.m.

Question and Answer

Congenital Heart Disease - Scientific

Session #713

Atrial Fibrillation in Young and Unusual Populations: Children and Adult Congenital Heart Disease

Saturday, March 18, 2017, 4:45 p.m. - 6 p.m.

Room 146 C

CME Hours: 1.25 /CNE Hours: 1.25

Co-Chair: Sylvia Abadir

Co-Chair: Charles Berul

Panelist: Dominic Abrams

Panelist: Susan P. Etheridge

Panelist: Bernard J. Gersh

Panelist: Elizabeth D. Sherwin

4:45 p.m.

Atrial Fibrillation in the Young Athlete: Who is at Risk and How do We Manage This?

Elizabeth D. Sherwin

Washington, DC

4:57 p.m.

Can we Successfully Ablate Atrial Fibrillation in ACHD?

Dominic Abrams

Boston

5:09 p.m.

Morbidity, Mortality and Treatment of Atrial Fibrillation in Hypertrophic Cardiomyopathy

Bernard Gersh

Rochester, MN

5:21 p.m.

Can We Surgically Cure Atrial Fibrillation in ACHD?

Thomas MacGillivray

Houston, TX

5:33 p.m.

Latest Pharmacological Treatments for Atrial Fibrillation



William Baker
CT

5:45 p.m.
Panel Discussion with Audience Question and Answer

Congenital Heart Disease - Scientific

Session #714

A Night at the Movies with Some Congenital Heart Surgeons -- How Do They Actually Do That?: Joint Symposium of the American Association for Thoracic Surgeons and the American College of Cardiology

Saturday, March 18, 2017, 4:45 p.m. - 6 p.m.

Room 209 C

CME Hours: 1.25 /CNE Hours: 1.25

Co-Chair: Robert D. B Jaquiss

Co-Chair: Kirk Kanter

Panelist (Panel Discussion I): Emile Bacha

Panelist (Panel Discussion I): Charles D. Fraser

Panelist (Panel Discussion I): Christopher J. Petit

4:45 p.m.
Optimal Management of the Cyanotic Neonatal Tetralogy of Fallot Patient: Neonatal Complete Repair (with Accompanying Surgical Video)
Emile Bacha
New York, NY

4:52 p.m.
Optimal Management of the Cyanotic Neonatal Tetralogy of Fallot Patient: Neonatalshunt, to be Followed by Subsequent Repair (with Accompanying Surgical Video)
Charles D. Fraser
Houston, TX

4:59 p.m.
Optimal Management of the Cyanotic Neonatal Tetralogy of Fallot Patient: Neonatalstent/Catheter-Based Palliation, to be Followed by Subsequent Repair (with Accompanying Surgical Video)
Christopher J. Petit
Atlanta, GA

5:06 p.m.
Panel Discussion with Audience Question and Answer I

Panelist (Panel Discussion II): John E. Mayer

Panelist (Panel Discussion II): Kirk Kanter

Panelist (Panel Discussion II): Carl L. Backer

5:22 p.m.
Optimal Management of the Complete Atrioventricular Canal Patient: "Traditional" One-Patch Repair (with Division of the Superior Bridging Leaflet) (with Accompanying Surgical Video)
John E. Mayer
Boston, MA

5:29 p.m.
Optimal Management of the Complete Atrioventricular Canal Patient: Two-Patch Repair (with Accompanying Surgical Video)
Kirk Kanter
Atlanta, GA

5:36 p.m.
Optimal Management of the Complete Atrioventricular Canal Patient: "Australian" One Patch Repair (with Direct Obliteration of the VSD, without Patch) (with Accompanying Surgical Video)
Carl L. Backer
Chicago, IL

5:43 p.m.
Panel Discussion with Audience Question and Answer II

Congenital Heart Disease - Oral Contributions

Session #908

Highlighted Original Research: Congenital Heart Disease and the Year in Review

Sunday, March 19, 2017, 8 a.m. - 9:30 a.m.

Room 146 C

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Venkatesan Sivarajan

Co-Chair: Ismee Williams

8:00 a.m.
Year in Review Speaker
Wayne J. Franklin

8:12 a.m.
Early Hemodynamic Changes After Fetal Aortic Stenosis Valvuloplasty Are Associated With Biventricular Circulation at Birth
Aaron Prosnitz, Monika Drogosz, Audrey Marshall, Carol Benson, Louise Wilkins-Haug, Wayne Tworetzky, Kevin Friedman, Boston Children's Hospital, Boston, MA, USA

8:22 a.m.
Discussion

8:25 a.m.
Transcatheter Ductal Stenting Versus Surgical Systemic-to-Pulmonary Artery Shunts: Altering Dogma at a High-Volume Institution
Allen Ligon, Christopher Petit, Mike Kelleman, Nikhil Chanani, Robert Vincent, Dennis Kim, Children's Healthcare of Atlanta, Atlanta, GA, USA, Emory University School of Medicine, Department of Pediatrics, Atlanta, GA, USA

8:35 a.m.
Discussion

8:38 a.m.
Characteristics, Risk Factors and Outcomes of Extracorporeal Membrane Oxygenation Use in the Pediatric Cardiac Intensive Care Unit
Marissa Brunetti, Lauren B. Retzliff, Jessica L. Lehigh, J. William Gaynor, Sara Pasquali, David Bailly, Susan Davis, Darren Klugman, Joshua Koch, Javier Lasa, Michael Gaies, Children's Hospital of Philadelphia, Philadelphia, PA, USA, University of Michigan, Ann Arbor, MI, USA

8:48 a.m.
Discussion

8:51 a.m.
Aortic Valve Repair in the Pediatric Population: Midterm Outcomes Comparing Leaflet Repair Using Autologous Pericardium Versus Porcine Intestinal Submucosa (CorMatrix®)
Meena Nathan, Rebecca Beroukhim, Kimberlee Gauvreau, Ann Demeritt, Edward Marcus, Tal Geva, Christopher Baird, Pedro del Nido, Boston Children's Hospital, Boston, MA, USA, Harvard Medical School, Boston, MA, USA

9:01 a.m.
Discussion

9:04 a.m.
Safety and Feasibility of Melody Transcatheter Pulmonary Valve Replacement in the Native Right Ventricular Outflow Tract: A Multicenter Study
Mary Hunt Martin, Jeffery Meadows, Bryan Goldstein, Lisa Bergersen, Athar Qureshi, Shabana Shahanavaz, Jamil Aboulhosn, Darren Berman, Lynn Peng, Matthew Gillespie, Aimee Armstrong, Cindy Weng, Robert Gray, University of Utah, Salt Lake City, UT, USA, Primary Children's Hospital, Salt Lake City, UT, USA



9:14 a.m.
Discussion

9:17 a.m.
Re-Intervention During the Interstage Period: A Report From the National Pediatric Cardiology Quality Improvement Collaborative
Matthew William Buelow, Nancy Rudd, Jena Tanem, Pippa Simpson, Peter Bartz, Garick Hill, Children's Hospital of Wisconsin, Milwaukee, WI, USA, Medical College of Wisconsin, Milwaukee, WI, USA

9:27 a.m.
Discussion

Congenital Heart Disease - Hands-on Skills Learning

Session #1514

Personalized Skills Center: Hands-On Simulation - Congenital Heart Disease

Sunday, March 19, 2017, 8:30 a.m. - 9:30 a.m.

Personalized Skills Center, East Salon AB

CME Hours: /CNE Hours:

8:30 a.m.
Congenital Heart Disease
Keri Shafer
Boston, MA

Congenital Heart Disease - Poster Contributions

Session #1270

Redefining the "F" Word

Sunday, March 19, 2017, 9:30 a.m. - 12:30 p.m.

Poster Hall, Hall C

CME Hours: 0.75 /CNE Hours: 0.75

009 - Biomarker Profile in Adults With Fontan Circulation
Anita Saraf, Christine De Staercke, Fred Rodriguez, Andreas Kalogeropoulos, Andrea Knezevic, Jennifer Gerardin, Georges Ephrem, Salim Hayek, Staci Jennings, Agasha Katarbarwa, Arshed Quyyumi, Wendy Book, Emory University School of Medicine, Atlanta, GA, USA

010 - Atrial Diastolic "Suction": An Important Contributor to Fontan Circulation
Amitabh C. Pandey, Tarun Tandon, Poulina Uddin, Allen Johnson, Scripps Clinic, La Jolla, CA, USA

011 - Prevalence and Predictors of Pacemaker Placement in Adult Fontan Patients
Anushree Agarwal, Aarthi Sabanayagam, Ahmed Kheiw, Colin Cunningham, Edward Gerstenfeld, Charles McCulloch, Ian Harris, Zian Tseng, Elyse Foster, Petra Jenkins, Jaspal Dua, Devinda Karunaratne, Sahrkaw Muhyaldeen, Amir Zaidi, Adam Fitzpatrick, Clifford Garratt, Bernard Clarke, Andreas Hoschitzky, Vaikom Mahadevan, University of California San Francisco, San Francisco, CA, USA, Manchester Royal Infirmary, Central Manchester University Hospitals NHS Trust, Manchester, United Kingdom

012 - Use of Novel Oral Anticoagulants in Adult Fontan Patients
Justin Georgekutty, Amir Kazerouninia, Peter Ermis, Dhaval Parekh, Wayne Franklin, Wilson Lam, Texas Children's Hospital, Houston, TX, USA, Baylor College of Medicine, Houston, TX, USA

013 - Adults With Congenital Heart Disease: Lost in Care
Jennifer Gerardin, Cheryl Raskind-Hood, Trenton Hoffman, Andrew Well, Fred Rodriguez, Andreas Kalogeropoulos, Carol Hogue, Wendy Book, Division of Cardiology, Department of Medicine, Emory University School of Medicine, Atlanta, GA, USA, Department of Epidemiology, Rollins School of Public Health, Emory University, Atlanta, GA, USA

014 - Late Complications and Cardiopulmonary Performance in Adults With Fontan Physiology: Rv-Dominant Versus Those With Lv-Dominant or Unseptated Ventricles

Christoph Haller, Susan L. Roche, Rachel Wald, Simone Bartelse, Eric Pham-Hung, Candice Silversides, Erwin Oechslin, Jack Colman, Edward Hickey, The Hospital for Sick Children, Toronto, Canada, University Health Network, Toronto, Canada

015 - Cardiopulmonary Exercise Testing for Surgical Risk Stratification in Adults With Congenital Heart Disease

Joshua Kovach, Trevor L. Birkey, Jennifer E. Dixon, Roni Jacobsen, Pippa Simpson, Melodee Nugent, Ke Yan, Salil Ginde, Children's Hospital of Wisconsin, Milwaukee, WI, USA, Medical College of Wisconsin, Milwaukee, WI, USA

016 - Evaluation of Right Ventricular Function in Fontan Physiology Using Feature Tracking Magnetic Resonance Strain, Strain Rate and Wall Motion Delay

Akio Inage, Sakakibara Heart Institute, Tokyo, Japan

Congenital Heart Disease - Poster Contributions

Session #1271

Congenital Heart Disease: Novel Insights in Pediatric Cardiology

Sunday, March 19, 2017, 9:30 a.m. - 12:30 p.m.

Poster Hall, Hall C

CME Hours: 0.75 /CNE Hours: 0.75

017 - Rhythm Abnormalities in Children and Young Adults With Marfan Syndrome
Douglas Mah, Lynn Sleeper, Jane Crosson, Richard Czosek, David Gamboa, Barry Love, Brian McCrindle, Laura Muino Mosquero, Aaron Olson, Maully Shah, Stephanie Wechsler, Luciana Young, Ronald Lacro, Pediatric Heart Network, Bethesda, MD, USA

020 - Clinical Yield of Fetal Echocardiography for Suboptimal Cardiac Visualization on Obstetric Ultrasound
Rick Vavolizza, Pe'er Dar, Barrie Suskin, Robert Moore, Kenan Stern, Department of Pediatrics, Division of Cardiology, Children's Hospital at Montefiore, Bronx, NY, USA

018 - The Evolution of Atrioventricular Valve Function in Patients With Heterotaxy Syndrome: A Longitudinal Assessment From Fetus to Late After Fontan Operation
Masaki Nii, Keisuke Sato, Jun Yoshimoto, Sung-Hae Kim, Norie Mitsushita, Yasuhiko Tanaka, Shizuoka Children's Hospital, Shizuoka, Japan

Congenital Heart Disease - Poster Contributions

Session #1272

Congenital Heart Disease Surgery: Updates and Innovations

Sunday, March 19, 2017, 9:30 a.m. - 12:30 p.m.

Poster Hall, Hall C

CME Hours: 0.75 /CNE Hours: 0.75

021 - Long-Term Transplant-Free Survival for Arterial Switch Versus Atrial Switch in Treatment of Transposition of the Great Arteries: A Study From the Pediatric Cardiac Care Consortium

Alex Kiener, Mike Kelleman, Lazaros Kochilas, Matthew Oster, Emory University School of Medicine, Atlanta, GA, USA, Children's Healthcare of Atlanta, Atlanta, GA, USA

022 - Anatomic Repair of Congenitally Corrected Transposition Results in Excellent Survival and Functional Status at Intermediate Term Follow-Up
James S. Tweddell, Shagun Sachdeva, Ronald Woods, Michael Mitchell, Joseph Cava, Nancy Ghanayem, Peter Bartz, Peter Frommelt, Children's Hospital of Wisconsin, Milwaukee, WI, USA, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA

023 - Targeted Increase in Pulmonary Blood Flow in a Bidirectional Glenn Circulation

Samuel Casella, James Lock, Aditya Kaza, Pedro del Nido, Audrey Marshall, Boston Children's Hospital, Boston, MA, USA



024 - Promoting Pulmonary Arterial Growth via Right Ventricular to Pulmonary Artery Conduit Placement in Children With Pulmonary Atresia and Hypoplastic Pulmonary Arteries

Edon Rabinowitz, David Meyer, Shilpi Epstein, Steven & Alexandra Cohen
Children's Medical Center, New Hyde Park, NY, USA

Congenital Heart Disease - Moderated Poster Contributions

Session #1302M

Things That Matter in Adult Congenital Heart Disease

Sunday, March 19, 2017, 9:45 a.m. - 10:30 a.m.

Congenital Heart Disease and Pulmonary Hypertension Moderated
Poster Theater, Poster Hall, Hall C
CME Hours: 0.75 /CNE Hours: 0.75

ACC Poster Moderator: Marc G. Cribbs

ACC Poster Moderator: Fred H. Rodriguez

9:45 a.m.

Red Cell Distribution Width Predicts Adverse Outcomes in Adults With Congenital Heart Disease: Results From the Boston Adult Congenital Heart Biobank

Laith Alshawabkeh, Saurabh Rajpal, Michael Landzberg, Catherine Gray, Fred Wu, Georges Ephrem, Alexander Opatowsky, Boston Children's and Brigham & Women's Hospitals, Boston, MA, USA

9:55 a.m.

Question and Answer

10:00 a.m.

Gender Differences in Rates of Hospitalizations for Decompensated Heart Failure Among Adults With Congenital Heart Diseases in the United States: A 15 Year Experience

Ghanshyam Palamaner Subash Shantha, Anita Kumar, Kongkiat Chaikriangkrai, Chakradhari Inampudi, Gardar Sigurdsson, Michael Giudici, University of Iowa Hospitals and Clinics, Iowa City, IA, USA

10:10 a.m.

Question and Answer

10:15 a.m.

Outcomes of Cardiac Pacing in the Adult Fontan Population

Geoffrey Huntley, Heidi Connolly, Sameh M. Said, Carole Warnes, Christopher McLeod, Alexander C. Egbe, Mayo Clinic, Rochester, MN, USA

10:25 a.m.

Question and Answer

Congenital Heart Disease - Scientific

Session #742

Patient-Centered Care in Adult Congenital Heart Disease

Sunday, March 19, 2017, 10:45 a.m. - 12:15 p.m.

Room 146 C

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Curt Daniels

Co-Chair: Leigh Reardon

Panelist: Ami B. Bhatt

Panelist: Mary M. Canobbio

Panelist: Yuli Y. Kim

Panelist: Adrienne H. Kovacs

Panelist: Michael J. Landzberg

10:45 a.m.

Debate: The End of the Ultimate Fighter: Palliative Care in Adult Congenital Heart Disease (Pro)

Ami Bhatt

Boston, MA

10:57 a.m.

Debate: The End of the Ultimate Fighter: Palliative Care in Adult Congenital Heart Disease (Con)

Michael Landzberg

Boston, MA

11:09 a.m.

An APPROACH to Understanding What Impacts Patient QOL: An International Perspective

Adrienne Kovacs

Portland, OR

11:24 a.m.

Empowering and Educating Patients About their Health

Yuli Y. Kim

Philadelphia, PA

11:39 a.m.

Advising and Empowering the Patients about Sex, Pregnancy, Birth Control and Parenthood: They are Part of Life

Mary M. Canobbio

San Gabriel, CA

11:48 a.m.

Panel Discussion with Audience Question and Answer

Congenital Heart Disease - Scientific

Session #414

2017 Dan G. McNamara Lecture: The Future of Congenital Heart Research: Keeping the Patient-Centered Promise

Sunday, March 19, 2017, 12:30 p.m. - 1:45 p.m.

Room 146 C

CME Hours: 1.25 /CNE Hours: 1.25

Co-Chair: Robert H. Beekman

Co-Chair: Kathy J. Jenkins

12:30 p.m.

Welcome and Reflecting on McNamara Lecture

Daniel J. Murphy

Palo Alto, CA

12:35 p.m.

Introduction of Gail Pearson, MD, FACC

Robert H. Beekman

Ann Arbor, MI

12:40 p.m.

ACC.17 Dan G. McNamara Lecture: NHLBI's Investment in Pediatric Cardiovascular Research: Past, Present, and Future

Gail D. Pearson

Rockville, MD

1:10 p.m.

Bridging the Patient Provider Research Gap: The Patient Perspective

Scott C. Leezer

Washington, DC

1:30 p.m.

Interview With Dr. Gail Pearson, MD, FACC

Jane Newburger

Boston, MA



Congenital Heart Disease - Moderated Poster Contributions

Session #1312M

Finding Out What Works in Pediatric and Congenital Heart Disease

Sunday, March 19, 2017, 12:30 p.m. - 1:45 p.m.

Congenital Heart Disease and Pulmonary Hypertension Moderated
Poster Theater, Poster Hall, Hall C

CME Hours: 1.25 /CNE Hours: 1.25

ACC Poster Moderator: Robert W. Elder, JR

ACC Poster Moderator: Leo Lopez

12:30 p.m.

Timely Detection of Pulmonary Arterial Hypertension in Patients With
Repaired Congenital Heart Disease: Interim Results From the ACHD-QuERI
Registry

Michael Landzberg, Curtis Daniels, Paul Forfia, Anatoly Langer, Vallerie
McLaughlin, Mona Selej, Marjan Sepassi, Mary Tan, Gary Webb, Canadian
Heart Research Centre, Toronto, Canada

12:40 p.m.

Question and Answer

12:45 p.m.

Morphological Appearance and Repair Strategies of Tricuspid Regurgitation
in Patients With Univentricular Heart and a Systemic Right Ventricle

Masamichi Ono, Melchior Burri, Julie Cleuziou, Jelena Pabst von Ohain,
Elisabeth Beran, Martina Strbad, Alfred Hager, Christian Schreiber, Rüdiger
Lange, German Heart Center Munich, Munich, Germany

12:55 p.m.

Question and Answer

1:00 p.m.

Reduction in Interstage Growth Failure in Infants With Hypoplastic Left Heart
Syndrome and Impact on Stage 2 Outcomes: A Report From the National
Pediatric Cardiology Quality Improvement Collaborative

Jeffrey B. Anderson, David Brown, Megan Horsley, Katherine Bates, Samuel
Hanke, Stacey Lihn, James Tweddell, Carole Lannon, Cincinnati Children's
Hospital Medical Center, Cincinnati, OH, USA

1:10 p.m.

Question and Answer

1:15 p.m.

Risk of Catastrophic Outcome Following Cardiac Catheterization for
Pulmonary Hypertension: An Analysis of Data From the Impact Registry

Michael L. O'Byrne, Kevin Kennedy, Joshua Kanter, John Berger, Andrew
Glatz, Children's National Medical Center, Washington, DC, USA, The
Children's Hospital of Philadelphia, Philadelphia, PA, USA

1:25 p.m.

Question and Answer

1:30 p.m.

Prevalence and Risk Factors Associated With Chronic Kidney Disease in
Patients With Single Ventricle Congenital Heart Disease After Fontan
Palliation

Sheetal Patel, David Kwiatkowski, Adin-Cristian Andrei, Ankita Devareddy,
Catherine Krawczeski, Barbara J. Deal, Craig Langman, Bradley Marino, Ann &
Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, USA, Lucile
Packard Children's Hospital, Palo Alto, CA, USA

1:40 p.m.

Question and Answer

Congenital Heart Disease - Scientific

Session #767

Coarctation of the Aorta, from Repair to Lifelong Care

Sunday, March 19, 2017, 2 p.m. - 3:30 p.m.

Room 146 C

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: M. Beth Brickner

Co-Chair: Christopher J. Petit

2:00 p.m.

Case Presentation: Neonatal Coarctation
Ololade Akintoye

2:10 p.m.

Case Presentation: Exercise Hypertension
Elisa Bradley
Columbus, OH

2:20 p.m.

Everything You Need to Know About Imaging Coarctation of the Aorta
Michael Taylor
Cincinnati, OH

2:32 p.m.

The Many Surgical Options for Repair of Coarctation
Emmett Dean McKenzie
Houston, TX

2:44 p.m.

Standardized Surveillance and Follow-up of Coarctation of the Aorta
Kevin Friedman
Boston, MA

2:56 p.m.

Coarctation of the Aorta in Adulthood, Some Restrictions Apply
George Lui
Stanford, CA

3:08 p.m.

The Patient Experience
Elie Goldman
Chevy Chase, MD

3:20 p.m.

Question and Answer

Congenital Heart Disease - International

Session #533

Perspectives on Congenital Heart Disease: International Perspectives From the Caribbean Cardiac Society, Peruvian Society of Cardiology, and American College of Cardiology

Sunday, March 19, 2017, 3:45 p.m. - 5:15 p.m.

Room 145 A

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Jane Newburger

Co-Chair: Ronald Henry

Co-Chair: Jose Manuel Sosa

3:45 p.m.

Introduction to Session
Jane Newburger
Boston, MA

3:50 p.m.

Congenital Heart Disease in the Caribbean
Richard G. Ishmael
St. Michael, Barbados



4:01 p.m.

Pulmonary Hypertension in Congenital Heart Diseases in Peru
Carlos Ramiro Marino Vigo
San Juan De Lurigancho, Peru

Ryan Davies

Wilmington, DE

5:12 p.m.

Audience Question and Answer

4:12 p.m.

Congenital Heart Surgery: Care and Development
Stephanie Fuller
Philadelphia, PA

4:23 p.m.

Adult Congenital Heart diseases in Peruvian Population
Gustavo Roberto Miranda Rivas
Lima, Peru

4:34 p.m.

Rheumatic Heart Disease: A Caribbean Perspective
Marilyn Lawrence-Wright
Kingston, Jamaica

4:45 p.m.

Discussion

Congenital Heart Disease - Scientific

Session #781

Five Controversies in Single Ventricle Management

Sunday, March 19, 2017, 3:45 p.m. - 5:15 p.m.

Room 146 C

CME Hours: 1.5 /CNE Hours: 1.5

Co-Chair: Andrew Atz

Co-Chair: Garick Hill

3:45 p.m.

After 10 Years We Finally Know the Best Surgical Approach for Stage One
Operation
Richard Ohye

4:00 p.m.

Audience Question and Answer

4:03 p.m.

There Exists a Single Best Practice to Reducing Interstage Mortality
Jeffrey B. Anderson
Cincinnati, OH

4:18 p.m.

Audience Question and Answer

4:21 p.m.

Cardiac MRI Has Proven its Value in Management of Patients with the Fontan
Operation
Rahul Rathod
Boston, MA

4:36 p.m.

Audience Question and Answer

4:39 p.m.

Vasodilator Therapy Should be Used Routinely in Fontan Patients
Wendy Book
Atlanta, GA

4:54 p.m.

Audience Question and Answer

4:57 p.m.

Heart Transplantation is a Realistic Option for Teens and Adults with Failing
Fontan