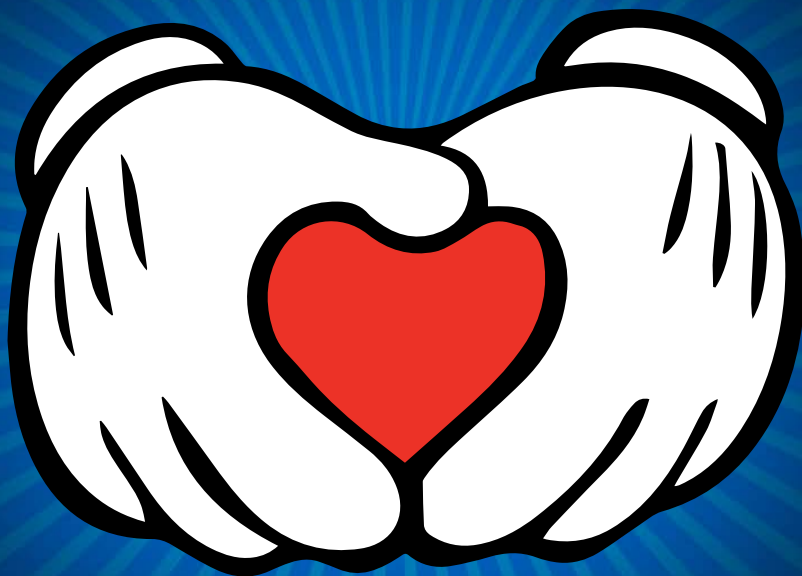


18th International Symposium on Congenital Heart Disease
joins the 6th Scientific Meeting of the

World Society for Pediatric and Congenital Heart Surgery



July 22–26, 2018

Walt Disney World • Orlando, Florida

SPECIALTY TRACKS

Surgery, Cardiology, Fetal Cardiology, Anesthesia, Intensive Care,
Nursing, Perfusion, Administrative, Trainee

SIMULATION SKILLS WORKSHOPS

Surgical Procedure Skills Workshop with 3D Printed Hearts
Interprofessional Pediatric Cardiac Simulation Workshop
Wanna Learn to SIM? Pediatric Cardiac Educator Training



WSPCHS2018.com



Scientific Program by:
JOHNS HOPKINS
MEDICINE

JOHNS HOPKINS
ALL CHILDREN'S HOSPITAL



PROGRAM AT-A-GLANCE

DAY ONE Sunday, July 22		DAY TWO Monday, July 23	DAY THREE Tuesday, July 24	DAY FOUR Wednesday, July 25	DAY FIVE Thursday, July 26
18th International Symposium on Congenital Heart Disease		Breakfast Symposia	Breakfast Symposia Children's Hospital of Philadelphia	Breakfast Symposia	General Session
		Post-Graduate Course	General Session Oral Abstracts Executive Director Address <i>Christo Tchervenkov</i>	General Session Oral Abstracts Outgoing President Address <i>Richard Jonas</i> Incoming President Address <i>Marcelo Jatene</i>	
CHD Keynote <i>Richard Jonas</i>	Fetal Cardio Workshop	Stella Van Praagh Lecture on Cardiac Morphology <i>Paul Weinberg</i>	Aldo R. Castañeda Lecture <i>William Norwood</i>		
Lunch and Visit Exhibits		Lunch and Visit Exhibits	Lunch and Visit Exhibits	Lunch and Visit Exhibits	
18th International Symposium on Congenital Heart Disease	Fetal Cardio Workshop	Jeopardy Lunch Theater: Cleveland Clinic	George R. Daicoff Lecture Address of Executive Director and Founding President <i>Christo Tchervenkov</i>	Adib Dominigos Jatene Lecture on Innovation <i>Marshall Jacobs</i>	Optional Simulation Skills Workshops: Surgical Procedure Skills Simulation Interprofessional Pediatric Cardiac Simulation Pediatric Cardiac Simulation Educator Training
	NPC-QIC Surgical Breakout	Post-Graduate Course			
		8 Sub-Specialty Tracks*	8 Sub-Specialty Tracks*	8 Sub-Specialty Tracks*	
Governing Council Meeting		Editorial Board WJPCHS	Symposium: World Database for PCHS	Professorial Poster Walk Rounds	
Dinner Symposia			Presidential Dinner (by invitation)	WSPCHS Gala and Dinner	
		Welcome Reception and Opening Ceremony	Dinner Symposia		

* The schedule will feature sub-specialty scientific tracks for Cardiac Surgery, Cardiology/Fetal, Anesthesia, Intensive Care, Nursing, Perfusion, Administration and Post-Graduate Training.

CONFERENCE AGENDA

Sunday, July 22

18th International Symposium on Congenital Heart Disease

Morning Sessions

Diagnosis and Early Management of TGA

- Anatomy
- Prenatal Diagnosis: Improving Accuracy and Planning Delivery
- TGA Physiology: How the Blood Goes Around
- Prenatal and Preoperative Effects of TGA on the Brain
- Balloon Atrial Septostomy – Decision Algorithm in 2018
- Preoperative Insights from Multi-Institutional Registries
- Timing of Surgery, Outcomes and Cost
- How May We Better Optimize the Patient Prior to Surgery?

Mid-Day Sessions

Surgery and Perioperative Care for TGA

- The Arterial Switch Operation in 2018: How to Do It and How to Teach It
- Innovations Are Still Possible in 2018: The Arterial Switch Surgery on the First Day of Life Using Umbilical Cord Blood
- Anesthetic Management & Early Extubation
- Expectations and Management During Early Recovery
- How Does Intraoperative Performance Affect Short- and Long-Term Outcomes?
- How May We Improve Perioperative Care?

Afternoon Sessions

Is the Arterial Switch as Good as We Thought It Would Be?

- The Distorted Anatomy Following the Lecomte Maneuver
- Catheter Interventions
- Surgical Interventions
- The Long-term Unknowns of the Neo-Aortic Root
- Assessment of Size and Function
- Surgical Re-Intervention – Indications and Techniques
- The Fate of the Surgically Manipulated Coronary Arteries
- Late Arrhythmias – Has the ASO “Solved” This Problem in TGA?
- Exercise: Risks, Benefits of Predictors of Ability
- Unanticipated Challenges in the Lungs, Brain and Kidney
- How May We Improve Long-Term Outcomes?

Fetal Workshop

- Four-Chamber View Abnormalities: Tricuspid Valve Disease (Tricuspid Regurgitation/Tricuspid Dysplasia/Ebstein's Anomaly/Tricuspid Atresia)
- Four-Chamber View Abnormalities: AVSD/VSD
- Rare Anomalies that Exist
- Systemic Venous Abnormalities
- Four-Chamber View: Evaluation of Size/Shape/Function
- First Trimester Echocardiography: Evaluating Risk and Structure
- Fetal Heart Failure – Evaluation and CVPS
- Advanced Assessment of Cardiac Function: Strain, VVI, and Others
- 3-4D Echocardiography – Newest Tools
- The International Fetal Cardiac Intervention Registry: Update on Outcomes
- Intervention for Fetal Lesions Causing High Output Failure
- Multidisciplinary Collaboration in Fetal Cardiology: Where We Are Now?

National Pediatric Cardiology Quality Improvement Collaborative Surgical Breakout

- The National Pediatric Cardiology Quality Improvement Collaborative: Focused on Improving Care and Outcomes of the Patient with Single Ventricle
- Surgical Learning Lab Overview and Accomplishments
- Practice Variation in the Norwood Perioperative Period
- Summary and Next Steps

6th Scientific Meeting of the World Society for Pediatric and Congenital Heart Surgery

18th International Symposium on Congenital Heart Disease continues.

Monday, July 23

Morning Sessions

- Hypoplastic Ventricles
 - Anatomy
 - Nomenclature and Classification
 - Echocardiography
 - Diagnostic and Interventional Cardiac Catheterization
 - The Fontan Circulation
- How Small is Too Small for Biventricular Repair?
- Recruiting/Rehabilitating Hypoplastic Ventricles
- Biventricular Repair of Hearts with Hypoplastic Ventricles and Hypoplastic Left Heart Complex

Stella Van Praagh Lecture on Cardiac Morphology
Paul Weinberg, MD

Afternoon Sessions

- Norwood Operation
- Lessons from NIH NHLBI Single Ventricle Reconstruction (SVR) Trial
- Hybrid Approach

Subspecialty Tracks

- Surgery
- Cardiology
- Anesthesia
- Intensive Care
- Nursing
- Perfusion
- Administrative
- Trainee

Evening Events

- Welcome Reception with Exhibitors
- Opening Celebration at Epcot's IllumiNations: Reflections of Earth

Tuesday, July 24

Morning Sessions

- Hypoplastic Ventricles
 - Neurodevelopment Outcomes
 - Issues in Nursing
 - Lessons from Multi-Institutional Databases
 - WSPCHS
 - ECHSA
 - STS
 - Australia and New Zealand Fontan Registry
- Long Term Follow-up of Patients with Functionally Univentricular Hearts
- Top Scoring Abstract Presentations

Aldo R. Castaneda Lecture
William I. Norwood, Jr., MD, PhD

Afternoon Sessions

- Top Scoring Abstract Presentations

George R. Daicoff Lecture: Address of Executive Director and Founding President
Christo I. Tchervenkov, MD, FRCSC

Subspecialty Tracks

- Surgery
- Cardiology
- Anesthesia
- Intensive Care
- Nursing
- Perfusion
- Administrative
- Trainee

Symposium

World Database for Pediatric and Congenital Heart Surgery

Wednesday, July 25

Morning Sessions

- Hypoplastic Ventricles
 - Anesthesia
 - Critical Care
 - Electrophysiology
 - Echocardiography of Hypoplastic Right Heart Syndrome
 - Echocardiography of Hypoplastic Left Heart Syndrome
 - The Multidisciplinary Team
 - Management at High Altitude - Norwood and Glenn and Fontan at High Altitude
- Top Scoring Abstract Presentations
- Outgoing President Address
- Incoming President Address

Afternoon Sessions

- Top Scoring Abstract Presentations
- Tribute to Leonard Bailey, MD

Adib Domingos Jatene Lecture on Innovation
Marshall L. Jacobs, MD

Subspecialty Tracks

- Surgery
- Cardiology
- Anesthesia
- Intensive Care
- Nursing
- Perfusion
- Administrative
- Trainee

Professorial Poster Walk Rounds

Explore the scientific posters in this casual reception with the authors.

Evening Event

WSPCHS Gala and Dinner at Disney's Yacht and Beach Club

Thursday, July 26

Morning Sessions

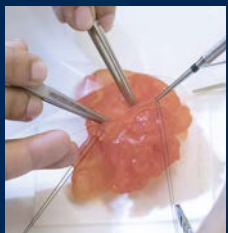
- Best of Surgery Track
- Best of Cardiology Track
- Best of Anesthesiology Track
- Best of Intensive Care Track
- Best of Nursing Track
- Best of Perfusion Track
- Best of Administrative Track
- Best of Trainee Track
- Medical Illustration in the Era of Cardiac Surgery
- Medical Simulations
- Presentation of Research Committee of The World Society for Pediatric and Congenital Heart Surgery

Afternoon Sessions (Optional)

- Simulation Skills Workshops

SIMULATION WORKSHOPS

Thursday, July 26



Surgical Procedure Skills Workshop with 3D Printed Hearts

This optional surgical procedure skills workshop will feature 3D-printed hearts of actual patients with anomalies. This workshop will provide unique opportunities to improve surgical skills for: Tetralogy of

Fallot Repair, Arterial Switch Operation for Transposition of the Great Arteries (TGA), Repair of Truncus Arteriosus and Norwood Operation for Hypoplastic Left Heart Syndrome. Participants will be able to take two 3D-printed hearts back to their home institutions for future reference. Lunch will be included.

Topics/anomalies are subject to change.



Interprofessional Pediatric Cardiac Simulation Workshop

Participants will engage in several simulation scenarios to improve their ability to effectively manage pediatric patients with cardiac disease. Each scenario is designed as team-based learning, where multiple specialties are engaged in the care

of the simulated patient. Experts will use different teaching modalities in each scenario, such as rapid cycle deliberate practice and cognitive "talk-aloud" in a high fidelity simulation environment. As the scenarios unfold, participants will have the opportunity to be part of the management team and get feedback on their performance in the simulated crisis. Participants will experience first-hand the value of simulation for the education of health care providers as well as the evaluative and educational process of post-simulation debriefing.



Wanna Learn to SIM? Pediatric Cardiac Educator Training

Participants will develop their skills in providing effective simulation training in the healthcare setting. Participants will practice creation of a simulation scenario, learn principles of effective debriefing, implement simulation scenarios on each other and

practice debriefing with role-playing after watching a video. Participants will discover how to teach crisis management as well as effective teamwork skills through simulation training.

SUBSPECIALTY TRACKS

Surgery

- Systemic to Pulmonary Artery Shunts and Pulmonary Artery Bands
- Superior Cavopulmonary Connection (The Glenn and HemiFontan Operations)
- Best Timing for the Fontan Operation: Do we have an Evidence Base?
- Late Outcomes of the Fontan Operation
- The Lymphatic System: The Achilles Heel of the Fontan-Kreutzer Circulation
- The Role of Ventricular Septation
- Challenges of Caring for Patients with Functionally Univentricular Hearts in Developing Nations

Cardiology

- Fetal Cardiac Care – Can We Improve Outcomes by Altering the Natural History of Disease?
- Cardiac Imaging – Telling the Surgeon, in a Nice Way
- Disruptive EP Technology: Leadless Pacemakers, Ultrasound Pacemakers, Fetal Pacing and Biologic Pacemakers
- CV Surgery Beware
- Impact, MAPIT, NCPQIC-How and Why We Should all Embrace Quality Metrics
- Effectuating Change

Anesthesia

- Ultrasound Guidance for Line Placement and Patient Evaluation
- Dexmedetomidine
- Anesthesia Risks for Non-Cardiac Procedures on Cardiac Patients
- Coagulation Monitoring and New Pro-Coagulants

Intensive Care

- Managing Feeding Intolerance and Growth
- Mechanical Circulatory Support of the SV
- Monitoring to Detect and Prevent Clinical Deterioration
- Transitions of Care Between Units and Care Teams

Nursing

- Nursing and Norwoods: What the Bedside Nurse Really Needs to Know
- Importance of Interstage Monitoring: What are the Elements for Success
- Top 10 Nursing Pearls of Caring for the HLHS Patient Across the Continuum
- All Grown Up? Now What? Helping HLHS Kids Transition to Adulthood
- Transition to Transplant: My Heart to Yours
- Sometimes on the Way to a Dream You Get Lost and Find a Better One

Perfusion

- Electronic Communication
- The History of the Use of Del Nido Cardioplegia at Boston Children's Hospital
- Texas Children's Renal/Cerebral Protection
- Systemic Inflammatory Response Syndrome
- Retrospective Analysis of Eliminating MUF
- Gaseous Microemboli and CPB in a Pediatric Setting

Administrative

- Communication: Better Communication, Better Team, Better Me
- Multidisciplinary Teams: Getting Through the Red Tape of Payers and Practice
- Service Line Performance: How to Make it Simple and Meaningful
- Healthcare's Underutilized Workforce-Deploying APPs to Improve Productivity and Quality
- Data Diving and the Art of Storytelling
- Demonstrating Improvement in Clinical Outcomes, Experience and Value for CHD Patients and Families
- Start of Your LEAN Healthcare Journey
- Clinic Simulation 1
 - Round 1: Baseline Performance
 - Round 2: Applying Simple Lean Tools
- Administrative Tuesday Morning
- Clinic Simulation 2:
 - Change Implementation
 - Stabilization

CONFERENCE FACULTY

CONFERENCE CO-CHAIRS

Jeffrey P. Jacobs, MD, FACS, FACC, FCCP

Johns Hopkins All Children's Hospital, St. Petersburg, FL

Marshall L. Jacobs, MD

Johns Hopkins School of Medicine, Baltimore, MD

CONFERENCE FACULTY

Hafil Abdulgani, MD

Medika Permata Hijau Hospital, Jakarta, Indonesia

Zohair Al-Halees, MD

King Faisal Specialist Hospital and Research Centre, Riyadh, Saudi Arabia

Osman O. Al-Radi, MBBS, MSc, FRCSC

King Abdulaziz University, Jeddah, Saudi Arabia

Plato Alexander, MD

Johns Hopkins All Children's Hospital, St. Petersburg, FL

Brett Anderson, MD, MBA

New York Presbyterian Morgan Stanley Children's Hospital, New York, NY

Jeffrey Anderson, MD, MPH, MBA

Cincinnati Children's Hospital, Cincinnati, OH

Dean Andropoulos, MD

Texas Children's Hospital, Houston, TX

Jennifer Arnold, MD, MSc, FAAP

Johns Hopkins All Children's Hospital St. Petersburg, FL

Alfred Asante-Korang, MD, MRCP(UK), FACC

Johns Hopkins All Children's Hospital, St. Petersburg, FL

Carl Backer, MD

Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL

Rima Bader, MBChB, DCH, CABP, FACHARZT, PHD, FASE, FACC, FRCPC

King Abdul Aziz University, Jeddah, Saudi Arabia

Dona Barber, RN

Johns Hopkins All Children's Hospital, St. Petersburg, FL

Ashley Benedict, PhD

VA Sunshine Healthcare Network St. Petersburg, FL

David Brown, MD

Boston Children's Hospital, Boston, MA

Kristen M. Brown, DNP, CRNP, CPNP-AC

Johns Hopkins School of Nursing, Baltimore, MD

Molly Bryant, CCP, LP

Boston Children's Hospital, Boston, MA

Christos Calaritis, CCP, CPC, FPP

Children's Hospital of Richmond, Richmond, VA

Robert Campbell, MD

Children's Healthcare of Atlanta, Sibley Heart Center, Atlanta, GA

Jorge L. Cervantes-Salazar, MD,

Instituto Nacional de Cardiologia-Ignacia Chavez, Cuidad, Mexico

Sertac Cicek, MD, FACS, FACC, FCCP

The Mayo Clinic, Rochester, MN

Meryl Cohen, MD

Children's Hospital of Philadelphia, Philadelphia, PA

Mitchell Cohen, MD

Inova Children's Hospital, Fairfax, VA

David Cooper, MD

Cincinnati Children's Hospital Medical Center, Cincinnati, OH

Lauren Coressel, RN

Johns Hopkins All Children's Hospital, St. Petersburg, FL

Gerardo Davalos, MD

Hospital Metropolitano, Quito, Ecuador

Joseph Dearani, MD

The Mayo Clinic, Rochester, MN

Jamie A. Decker, MD

Johns Hopkins All Children's Hospital, St. Petersburg, FL

Greggory DeVore, MD

Fetal Diagnostic Center, Pasadena, CA

Filip DeSomer, PhD, ECCP

University Hospital Ghent Heart Center, Ghent, Belgium

Karim Diab, MD

Rush University Children's Hospital, Chicago, IL

Robert Doncevic

Johns Hopkins All Children's Hospital, St. Petersburg, FL

Mary Donofrio, MD

Children's National Health System, Washington, DC

Frank Edwin, MD

National Cardiothoracic Centre, Accra, Ghana

Adel Elgamal, MD

Mansoura University Children's Hospital, Mansoura, Egypt

Oluwatosin Fatusin, MD

Texas Children's Hospital, Houston, TX

Annabel Kirsten Finucane, MD

Auckland City Hospital, Auckland, New Zealand

José Fragata, MD, PhD, Agg, FETCS, FESC

Hospital de Santa Marta, Lisbon, Portugal

Rodney Franklin, MD

Royal Brompton & Harefield NJS Trust, Harefield, Middlesex, United Kingdom

J. William Gaynor, MD

Children's Hospital of Philadelphia, Philadelphia, PA

Sharon R. Ghazarian, PhD

Johns Hopkins All Children's Hospital, St. Petersburg, FL

Neil Goldenberg, MD, PhD

Johns Hopkins All Children's Hospital, St. Petersburg, FL

Eric Graham, MD

Medical University of South Carolina, Charleston, SC

Nina Guzzetta, MD

Emory University Hospital, Atlanta, GA

Leslie Hackler, MPH

Children's Hospital of Atlanta, Atlanta, GA

James Hammel, MD

University of Nebraska Medical Center, Omaha, NE

Carrie Herbert, MD

Johns Hopkins All Children's Hospital, St. Petersburg, FL

Jeremy L. Herrmann, MD

Indiana University School of Medicine, Indianapolis, IN

Patricia Hickey, PhD, MBA, RN, FAAN, NEA-BC

Boston Children's Hospital, Boston, MA

Kevin Hill, MD

Duke Children's Hospital, Durham, NC

George Hoffman, MD

Children's Hospital of Wisconsin, Milwaukee, WI

Krishna Iyer, MD

Fortis Escorts Heart Institute, New Delhi, India

Marcelo B. Jatene, MD

Heart Institute of University of Sao Paulo, Sao Paulo, Brazil

Richard Jonas, MD

Children's National Health System, Washington, DC

Lindsey Justice, DNP, RN, CPNP-AC

Cincinnati Children's Hospital Medical Center, Cincinnati, OH

Tara Karamlou, MD, MSc

Phoenix Children's Hospital, Phoenix, AZ

Tom R. Karl, MD

Johns Hopkins All Children's Hospital, St. Petersburg, FL

Vyas Kartha, MD

Johns Hopkins All Children's Hospital, St. Petersburg, FL

James Kirklin, MD

University of Alabama at Birmingham, Birmingham, AL

Martin Kostolny, MD

Great Ormond Street Hospital, London, United Kingdom

Diane Krasnopero, DNP, ARNP, CPNP-AC/PC

Johns Hopkins All Children's Hospital, St. Petersburg, FL

Christian Kreutzer, MD

Hospital Universitario Austral, Buenos Aires, Argentina

Hiromi Kurosawa, MD

Sakakibara Sapia Tower Clinic, Tokyo Women's Medical University, Tokyo, Japan

Damien LaPar, MD

NY Presbyterian/Columbia Medical Center, New York, NY

Sherard Little, MD

Bustamante Children's Hospital, Kingston, Jamaica

Jennifer Lynch, MD, PhD

Children's Hospital of Philadelphia, Philadelphia, PA

Nicolas Madsen, MD, MPH

Cincinnati Children's Hospital Medical Center, Cincinnati, OH

Gerard R. Martin, MD, FAAP, FACC

Children's National Health System, Washington, DC

Bohdan Maruszewski, MD

Children's Memorial Health Institute, Warsaw, Poland

Gerald Marx, MD

Boston Children's Hospital, Boston, MA

Melissa Jo Mathews, BSN, MHPE, RN-BC, CHSE

Johns Hopkins All Children's Hospital, St. Petersburg, FL

Dan Mauriello, MD

Johns Hopkins All Children's Hospital, St. Petersburg, FL

Constantine Mavroudis, MD

Florida Hospital for Children, Orlando, FL

Constantine D. Mavroudis, MD, MSc

Children's Hospital of the University of Pennsylvania, Philadelphia, PA

Mjaye Mazwi, MBChB, MD

The Hospital for Sick Children, Toronto, Ontario, Canada

Mark McDonald, MD

Norton Children's Hospital, Louisville, KY

Kristen Nelson McMillan, MD

Johns Hopkins University School of Medicine, Baltimore, MD

Craig McRobb, MPS

Children's Hospital of Colorado, Aurora, CO

Anita Moon-Grady, MD

UCSF Benioff Children's Hospital, San Francisco, CA

Lisa Moore RN MSN, MHA, NEA-BC

Johns Hopkins All Children's Hospital, St. Petersburg, FL

David Luis Simón Morales, MD

Cincinnati Children's Hospital Medical Center, Cincinnati, OH

Juan-Carlos Muñiz, MD

Nicklaus Children's Center, Miami, FL

Hani Najm, MD

Cleveland Clinic, Cleveland, OH

Meena Nathan, MD, MPH, FRCS

Boston Children's Hospital, Boston, MA

Thieu Nguyen, MD

Johns Hopkins All Children's Hospital, St. Petersburg, FL

William I. Norwood, Jr., MD, PhD

Retired, Albuquerque, NM

David Nykanen, MD

Arnold Palmer Children's Hospital, Orlando FL

Kristen Odegard, MD

Boston Children's Hospital, Boston, MA

Richard Ohye, MD

C.S. Mott Children's Hospital, Ann Arbor, MI

Molly Oldeen, MS, CCP, FPP

Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL

Daniel Penny, MD, PhD

Texas Children's Hospital, Houston, TX

Ericka Perez-Albrecht, MD

Centro Medico Quirgico Bolilviano, Cochamba, Bolivia

Dante Picarelli, MD

Universidad de la Republica Oriental del Uruguay, Montevideo, Uruguay

Diane Pickles

Cincinnati, OH

Frank Pigula, MD

Florida Hospital for Children, Orlando, FL

Christian Pizarro, MD

Alfred I. DuPont Children Hospital, Wilmington, DE

James Reagor, MD

Cincinnati Children's Hospital Medical Center, Cincinnati, OH

Yvonne Renick, RN, BSN

Wisconsin Children's Hospital, Milwaukee, WI

Alex Robertson

Great Ormond Street Hospital for Children, London, United Kingdom

Mark Rodefeld, MD

Indiana University Hospital, Indianapolis, IN

Kisaburo Sakamoto, MD

Mt. Fuji Shizuoka Children's Hospital, Shizuoka City, Japan

Eduardo J.V. Sancho, MD, PhD

Jean-Yves Neveux Foundation, Campinas, Brazil

Nestor Sandoval, MD

Fundación Cardioinfantil-IC, Bogotá, Columbia

Margaret Schroeder, RN, MSN, CPNP

Boston Children's Hospital, Boston, MA

Larry Schwartz, MD

Children's Hospital of Colorado, Aurora, CO

Ron Shelton, CCP, LP, FPP

Texas Children's Hospital, Houston, TX

Girish Shiral, MD

Children's Mercy Hospital and Clinics, Kansas City, MO

Sandy Shull, BS, LSSBB

Johns Hopkins All Children's Hospital, St. Petersburg, FL

Norman Silverman, MD

Lucile Packard Children's Hospital of Palo Alto, Palo Alto, CA

Diane Spicer, BS

University of Florida, Gainesville, FL

Gary Stapleton, MD

Johns Hopkins All Children's Hospital, St. Petersburg, FL

Giovanni Stellin, MD

University of Padova Medical School, Padova, Italy

Kay Stewart-Huey, MBA

Children's Healthcare of Atlanta, Atlanta, GA

James St. Louis, MD

Children's Mercy Hospital and Clinics, Kansas City, MO

Christo I. Tchevenkov, MD, FRCSC

Montreal Children's Hospital, Montreal, Canada

Ravi Thiagarajan, MD

Boston Children's Hospital, Boston, MA

Cheryl Toole, MS, RN

Boston Children's Hospital, Boston, MA

Premal Trivedi, MD

Texas Children's Hospital, Houston, TX

James Tweddell, MD

Cincinnati Children's Hospital Medical Center, Cincinnati, OH

Richard Van Praagh, MD, FACC, FAHA

Boston Children's Hospital, Boston, MA

David Vener, MD

Texas Children's Hospital, Houston, TX

Susan Vosloo, MD

Netcare Christiaan Barnard Memorial Hospital, Cape Town, South Africa

Luca Vricella, MD

Johns Hopkins Hospital, Baltimore, MD

Paul Weinberg, MD

Children's Hospital of Philadelphia, Philadelphia, PA

Gil Wernovsky, MD

Children's National Health System, Washington, DC

David S. Winlaw, MD

Children's Hospital at Westmead, Sydney, Australia

Kim Woodall, CPNP

Children's Healthcare of Atlanta, Atlanta, GA

Qingyu Wu, MD

The First Hospital of Tsinghua University, Beijing, China

Illya Yemets, MD, PhD

Ukrainian Children's Cardiac Center, Kiev, Ukraine

Hao Zhang, MD, PhD

FuWai Hospital, Beijing, China

Agenda and faculty are subject to change.

LEARNING OBJECTIVES

After attending this activity, participants will demonstrate the ability to:

- Evaluate the treatment options for patients with hypoplastic (small) ventricles and patients with functionally univentricular hearts, based on current research presented at this conference.
- Prepare an appropriate plan of care for patients with hypoplastic (small) ventricles and patients with functionally univentricular hearts, based on clinical presentation.
- Describe the echocardiographic features of patients with hypoplastic (small) ventricles and patients with functionally univentricular hearts.
- Formulate an educational plan to enhance the skills and knowledge of the multi-disciplinary team in caring for patients with hypoplastic (small) ventricles and patients with functionally univentricular hearts.
- Correctly identify cardiac anatomy and the cardiac morphology of patients with hypoplastic (small) ventricles and patients with functionally univentricular hearts through examination of morphological specimens of human hearts with these lesions.
- Define ethical issues related to congenital cardiac disease, especially in the domain of patients with hypoplastic (small) ventricles and patients with functionally univentricular hearts.
- Discuss the challenges of caring for adults with congenital cardiac disease, especially in the domain of patients with hypoplastic (small) ventricles and patients with functionally univentricular hearts.
- Describe the clinical assessment, ICU management, and implications for education of the patient and family for patients with hypoplastic (small) ventricles and patients with functionally univentricular hearts.
- Apply strategies to standardize practice and care across institutions.
- Describe strategies for collaborative multi-institutional research within a heart institute model.

COURSE DESCRIPTION

The World Society for Pediatric and Congenital Heart Surgery (WSPCHS) is the largest professional organization in the world dedicated to pediatric and congenital cardiac surgery. On July 22-26, 2018, the 6th Scientific Meeting of the World Society for Pediatric and Congenital Heart Surgery (WSPCHS 2018) will join the 18th International Symposium on Congenital Heart Disease at Disney's Yacht and Beach Club in Orlando, Florida.

This conference will bring together 1,000 cardiac professionals from all over the world for lectures by preeminent speakers, late-breaking research updates, clinical abstracts and networking opportunities with global cardiovascular experts in public health. The scientific program includes tracks for Cardiac Surgery, Cardiology/Fetal, Anesthesia, Intensive Care, Nursing, Perfusion, Administration and Post-Graduate Training.

This conference is designed for cardiothoracic surgeons, cardiologists, cardiac sonographers, cardiac intensivists, cardiac anesthesiologists, perfusionists, PAs, ARNPs, RNs and cardiac program administrators.

ACCREDITATION

Accreditation Statement

This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for



Continuing Medical Education (ACCME) through the joint providership of Johns Hopkins University School of Medicine and the Florida Board of Nursing. The Johns Hopkins University School of Medicine is accredited by the ACCME to provide continuing medical education for physicians.

Credit Designation Statement

The Johns Hopkins University School of Medicine designates this live activity for a maximum of 33 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Nursing Accreditation

Application has been made to the Florida Board of Nursing for Nursing Contact Hours, which will be

awarded by Johns Hopkins All Children's Hospital. Florida Board of Nursing Provider #50-2821.

American Academy of Nurse Practitioners (National Certification Program) accepts *AMA PRA Category 1 Credit™* from organizations accredited by the ACCME.

American Nurses Credentialing Center (ANCC) accepts *AMA PRA Category 1 Credit™* from organizations accredited by the ACCME.

Perfusion Accreditation

The American Board of Cardiovascular Perfusion has approved this conference for ABCP CEUs and has allotted a total of 31.5 Category 1 CEUs.

Perfusion CEUs

Instructions to receive ABCP CEU credit: It is mandatory to legibly sign in each day at registration, indicating your full name and license number.

SPECIAL EVENTS AND ATTRACTIONS

Opening Celebration at Epcot

*Monday, July 23,
2018*

Experience an
IllumiNations:
Reflections of Earth
at this private
reception inside

Epcot. This show is filled with fireworks, pyrotechnics, water fountains, fire effects, lasers and searchlights to create a visual spectacle above the World Showcase Lagoon that you will not forget. Guests will enjoy specialty coffee and desserts while enjoying this spectacular show!



Behold the past, present and future
of Earth at this stunning fireworks show
that celebrates the spirit of humanity.

A Magical Gala! *Wednesday, July 25, 2018*

You're invited to join us for a special evening of dining and dancing, featuring one of Florida's premier bands. This dinner at Disney's Yacht and Beach Club will feature "A Conversation with Mark Twain," as well as a few surprises. This is the event of the conference not to be missed!

Attire: Semi-formal; Black Tie Optional.
Ticket Required.

HOTEL ACCOMMODATIONS

Make your hotel reservation early at one of our headquarter hotels, Disney's Yacht or Beach Club. Delight in the formal grace of the Yacht Club or the casual elegance of the Beach Club. Both of these New England-style resorts are walking distance to Epcot® and a convenient boat ride to Disney's Hollywood Studios®.

Reserve Early! Hotel Reservation Deadline:
June 15, 2018 or until our room block is full.

Visit the Accommodations page at www.wspchs2018.com for additional accommodations options and to make your reservation.



Transportation

For your convenience, Disney's Magical Express at Walt Disney World® Resort offers complimentary motorcoach transportation to and from Orlando International Airport for attendees staying at a Disney Resort hotel. To enjoy this service, you may submit a request upon receipt of your hotel reservation confirmation.

SPECIALY-PRICED THEME PARK TICKETS

We have arranged great pricing for our group to the Walt Disney World theme parks. Visit the Walt Disney World page at www.wspchs2018.com to purchase specially-priced theme park tickets.



Disney's Yacht & Beach Club



Call for Abstracts

Attendees are invited to submit abstracts depicting original research, evidence-based practice and/or quality improvement relevant to the study of pediatric cardiovascular care. Authors will select the category which best fits their content from the following categories: Surgery, Cardiology, Anesthesia, Intensive Care, Nursing, Perfusion or Administration.

Abstract Submission Deadline: May 25, 2018

KEY DEADLINES

Call for Abstracts:
May 25, 2018

Discounted Registration:
May 31, 2018

Hotel Reservation
Deadline: June 15, 2018



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Continuing Medical Education
701 4th Street South
Dept 6500002726
St. Petersburg, FL 33701
Email: achcme@jhmi.edu
hopkinsallchildrens.org/cme