



C.S. MOTT
CHILDREN'S HOSPITAL
MICHIGAN MEDICINE

2017



THE JOINT CONFERENCE ON ADVANCES IN
**PEDIATRIC CARDIOVASCULAR
DISEASE MANAGEMENT**

SEPTEMBER 29 - OCTOBER 1, 2017

UNIVERSITY OF MICHIGAN CONGENITAL HEART CENTER
www.mottchildren.org/congenital

THE JOINT CONFERENCE ON ADVANCES IN

PEDIATRIC CARDIOVASCULAR DISEASE MANAGEMENT

The Congenital Heart Center at the University of Michigan C.S. Mott Children's Hospital, the Children's Hospital Los Angeles, Children's Healthcare of Atlanta, and Morgan Stanley Children's Hospital of NYP/Columbia University Medical Center are excited to welcome you to the **2017 Joint Conference on Advances in Pediatric Cardiovascular Disease Management**. This annual conference brings together physicians, nurses, and trainees from across the country to learn about leading-edge technologies and the latest in advances in pediatric cardiovascular care.

The Congenital Heart Center at the University of Michigan C.S. Mott Children's Hospital is an international referral center for complex congenital heart disease and is one of the highest volume and most experienced congenital heart programs in the United States.

This year, we are pleased to include parents and adult patients in the conference for a patient and family focused track. Current patients and parents will share their perspectives on living and coping with congenital heart disease. Attendees will also get a chance to learn from professionals about some of the valuable social and emotional support resources available to heart families.

The conference planning committee is being led by **John R. Charpie, MD, PhD**; Director, Division of Pediatric Cardiology, Co-Director, Michigan Congenital Heart Center, Michigan Medicine and **Richard G. Ohye, MD**, Head, Section of Pediatric Cardiovascular Surgery, Co-Director, Michigan Congenital Heart Center, Michigan Medicine.



John R. Charpie, MD, PhD



Richard G. Ohye, MD



PLANNING COMMITTEE

John R. Charpie, MD, PhD

Course Co-Director
Director, Division of Pediatric Cardiology
Co-Director, Michigan Congenital Heart Center
Professor, Department of
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C.S. Mott Children's Hospital
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Pediatric Cardiac Surgery
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Michigan Medicine

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Co-Chief, Cardiac Services Sibley Heart
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Children's Healthcare of Atlanta
Marcus Professor of Pediatric Cardiology
Director, Division of Pediatric Cardiology
Department of Pediatrics
Emory University School of Medicine

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Clinical Nurse Specialist/Pediatric Nurse
Practitioner
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Colleen Schomaker

Mother of Congenital Heart Center patient
Patient and Family Centered Care Advisor
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SPEAKERS

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Robert Bartlett, MD

Professor Emeritus of Surgery
Section of General Surgery
Division of Acute Care Surger
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Oxford, Michigan
Congenital Heart Patient

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Grosse Pointe, Michigan
Student, Hope College
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Board Certified Subspecialist in Pediatric
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Department of Neuropsychology
Children's Healthcare of Atlanta

SPEAKERS

William T. Mahle, MD

Co-Chief, Cardiac Services
Sibley Heart Center
Children's Healthcare of Atlanta
Marcus Professor of Pediatric Cardiology
Director, Division of Pediatric Cardiology
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Children's Healthcare of Atlanta

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Colleen Schomaker

Mother of Congenital Heart Center patient
Patient and Family Centered Care Advisor
Parent Mentor
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Research Director, Toronto Congenital
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Head, University of Toronto Obstetric
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William A. Suarez MD, FACC

Professor of Pediatrics
University of Toledo Medical Center

Mark Wietecha, MS, MBA

President and CEO
Children's Hospital Association
Washington, DC

KEYNOTE SPEAKER

ROBERT BARTLETT, MD

Robert Bartlett's professional life has been characterized by exceptional vision, creativity, persistence, and energy. As Professor of Surgery in the Sections of General and Thoracic Surgery, he developed a Surgical Critical Care Fellowship and the Extracorporeal Life Support Program which continues to this day. The ECLS program at the University of Michigan has treated over 2,400 adults, children, and neonates with potentially fatal cardiorespiratory failure.

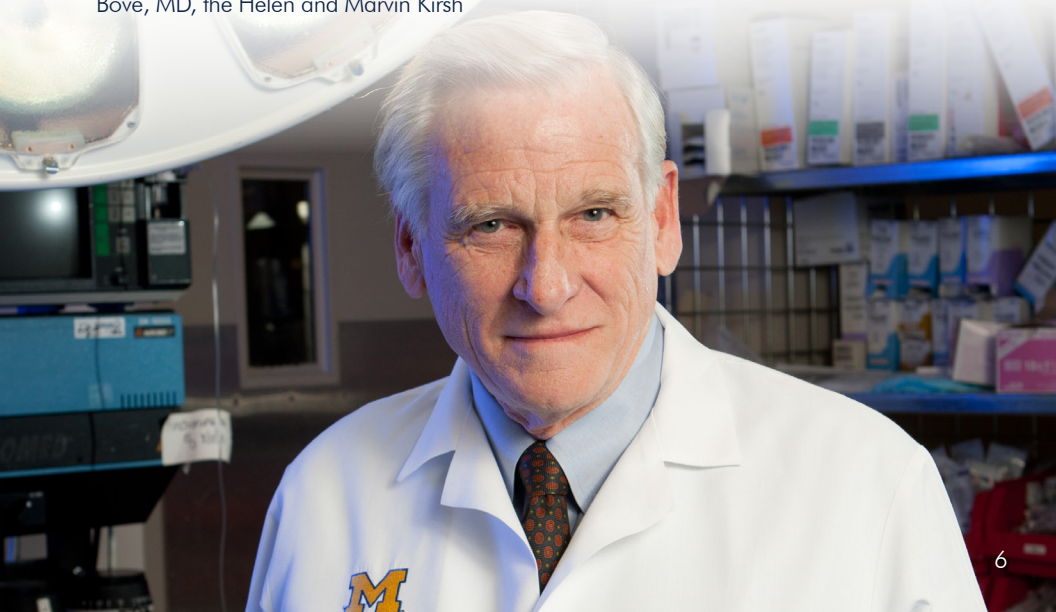
Since 1972, the NIH has continuously funded Dr. Bartlett's research. Dr. Bartlett retired from clinical practice in 2005, but he continues to investigate new techniques and applications for extracorporeal support. He is currently funded by the NIH to develop an implantable artificial lung designed for simplified long-term support of pediatric patients with chronic respiratory failure and to develop new surfaces for extracorporeal support which preclude the need for systemic anticoagulation. His is a life of research and work combined with innovation, leadership, and ability that has made a distinct contribution to patients, their families, and to our society, and which has been highly recognized nationally and internationally.

Dr. Bartlett will be introduced by Edward L. Bove, MD, the Helen and Marvin Kirsh

Professor and Chair in the Department of Cardiac Surgery, and Hannah Cheriyan. Hannah was born with her umbilical cord wrapped around her neck. Just hours old and in respiratory distress, she was airlifted to the Newborn Intensive Care Unit at U-M's



C.S. Mott Children's Hospital. For four days, Hannah relied on a machine to perform the work of her heart and lungs, giving her lungs necessary time to heal. That machine, known as ECMO, or extracorporeal membrane oxygenation, saved her life. Twenty-one years later, Hannah was at U-M again — this time walking the stage in the 2015 White Coat Ceremony, a ritual welcoming students into medical school. And Robert Bartlett, MD, the Michigan doctor who devoted his career to developing ECMO, "cloaked" Hannah with her first official white coat.



CONFERENCE SCHEDULE

FRIDAY, SEPTEMBER 29, 2017

7:00am Registration / Continental Breakfast

7:45 **Welcome**

John R. Charpie, MD, PhD; Richard G. Ohye, MD

LONG-TERM QUALITY OF LIFE

Location: Great Lakes Rooms

Moderator: Karen Uzark, RN, PhD

8:00 **Patient Perspective: Quality of Life**

Terri Elliott

8:15 **Implementing a Grass Roots Program to Improve Child Development**

Jennifer Romano, MD, MS

8:40 **The Science and Research Behind Improvement of Quality of Life and Neurodevelopmental Outcomes**

Bradley S. Marino, MD, MPP, MSCE

9:05 **What Can We Do to Improve Neurodevelopmental Outcomes for Our Patients?**

Caren S. Goldberg, MD, MS

9:30 Panel Q & A

9:50 Break

ADULT CONGENITAL

Location: Great Lakes Rooms

Moderator: Mark D. Norris, MD

10:00 **Reproductive Health: Adolescents and Adults with CHD**

Candice Silversides, MD, FRCPC

10:25 **Quality Metrics for ACHD**

Michelle Gurvitz, MD, MS

10:50 **Communication: Difficult Conversations**

Melissa K. Cousino, PhD

11:15 Panel Q & A

11:40 Lunch

12:10pm ***Please select Track One or Track Two which take place concurrently - details can be found on the next page.***

CONFERENCE SCHEDULE

Track One and Track Two are Concurrent Sessions

TRACK ONE - FOR PATIENTS, PARENTS, & PROVIDERS

Navigating CHD Life - Perspectives of the Care Team

Location: Forum Hall

Moderators: Kathy Murphy, MSN, RN, PCNS-BC, PNP-BC; Kurt R. Schumacher, MD, MS

12:15pm **Real CHD Life: A Parent Perspective**

Colleen Schomaker

12:30 **Impact of Neurodevelopmental Outcomes on Education**

Dawn Ilardi, PhD, ABPP-CN

12:50 **"Reading, Writing, 'Rithmetic and CHD?" School Life**

Brenda Henne

1:10 **Psychosocial Support: When and How to Work With Your Social Worker**

Cindy K. Brown, LMSW, ACSW

1:30 **Real CHD Life: A Patient Perspective**

Daniel Foy

1:45 **Navigating CHD Life - Panel Discussion**

Panelist to include speakers above, additional panelists are: Stacey Boyer, RN-CPN, BSN and Jack Randandt

2:30 Session Adjourns

TRACK TWO - ABSTRACT SESSION - CLINICAL/TRANSLATIONAL RESEARCH

Location: Great Lakes Room

Moderators: Sara Pasquali, MD; Brett R. Anderson, MD, MBA, MS

Time	Abstract Title	Presenter	Institution
12:15pm	Kommerell Diverticulum: Destined for Dilation?	Benjamin Hale, MD	C.S. Mott Children's Hospital, Michigan Medicine
12:30	Early and Mid-Term Outcomes for Pediatric and Congenital Heart Disease with Subcutaneous ICD: a Single Center Perspective	Brynn Dechert Crooks, CPNP	C.S. Mott Children's Hospital, Michigan Medicine
12:45	Nicorandil Attenuates Cardiac Injury and Ventricular Dysfunction after Cardiopulmonary Bypass with Cardioplegic Arrest	Yun-Wen Peng	C.S. Mott Children's Hospital, Michigan Medicine
1:00	Risk Factors for Conduit Endocarditis in Patients Undergoing Right Ventricular Outflow Tract Reconstruction	Mario Briceno-Medina, MD	Le Bonheur Children's Hospital, Memphis, TN
1:15	Femoral Vein Homograft as Pulmonary Conduit for Stage 1 Norwood Operation	T.K. Kumar, MD	Le Bonheur Children's Hospital, Memphis, TN
1:30	Maximizing Survival in Hypoplastic Left Heart Syndrome (HLHS): Evolution of a Balanced Institutional Strategy	Tara Karamlou, MD	Phoenix Children's Hospital, Phoenix, AZ

1:45 Session Adjourns

CONFERENCE SCHEDULE

SATURDAY, SEPTEMBER 30, 2017

7:00_{am} Registration / Continental Breakfast

7:45 **Welcome**

Keynote Introductions: Edward Bove, MD; Hannah Cheriyan, BSE

INNOVATION / WHAT'S NEW

Location: Great Lakes Rooms

Moderators: Gabe Owens, MD, PhD; Winfield J. Wells, MD

8:00 **KEYNOTE PRESENTATION**

ECMO. Past, Present, and Future

Robert Bartlett, MD

8:45 **Current State and Future Directions of Fetal Cardiac Intervention**

Anita Moon-Grady, MD, FACC, FASE

9:15 **A Radical Paradigm Shift in the Treatment of Prematurity: The Artificial Placenta**

George B. Mychaliska, MD

9:45 Panel Q&A

10:00 Break

HEART FAILURE

Location: Great Lakes Rooms

Moderators: Jessica Jordan, PA; David Peng, MD

10:15 **Updates & the Future of VAD Therapy**

Francis D. Pagani, MD, PhD

10:45 **The PumpKIN Trial Story**

Christopher Almond, MD

11:15 **Newest Advances in Medical Management**

Robert E. Shaddy, MD

11:45 **Resynchronization Therapy**

Anne M. Dubin, MD

12:15_{pm} Panel Q&A

12:30 Lunch

During lunch please visit the Poster Session located in the hallway outside of the Great Lakes Room.

CONFERENCE SCHEDULE

Track One and Track Two are Concurrent Sessions

TRACK ONE - ABSTRACT SESSION - NURSING

Location: Forum Hall

Moderators: Carrie Alden, RN, MSN, CPNP, AC/PC; Louise Callow, NP; David Romberger, RN, BSN

Time	Abstract Title	Presenter	Institution
1:00	Evaluation of CICU Advanced Practice Provider Education and Practice Variation	Louise Callow, CPNP	C.S. Mott Children's Hospital, Michigan Medicine
1:15	The Norwegian Approach: Early Feeding and Home-Monitoring of HLHS Patients. 16 years with Complete Follow-Up From a Single Institution	Britt E. Frederiksen, RN	Rikshospitalet OUS-HF, University Hospital, Oslo, Norway
1:30	Burnout Syndrome in the Cardiac Intensive Care Unit	Katie Gibson, BSN, RN	Children's Healthcare of Atlanta, Atlanta, GA
1:45	Home Monitoring of HLHS Patients, Taking it a Step Further to Improve the Quality of Life and Everyday Life. The Norwegian Approach.	Britt E. Frederiksen, RN	Rikshospitalet OUS-HF, University Hospital, Oslo, Norway
2:00	Pressure Ulcer Prevention in Congenital Heart Surgical Population	Connie Myres, MSN, RN, CCRN ACCN-P	C.S. Mott Children's Hospital, Michigan Medicine
2:15	Investigating the Practice of Using Breast Milk as an Oral Immune Therapy in the Pediatric Cardiothoracic Intensive Care Unit	Meg Smith, RN-BSN	C.S. Mott Children's Hospital, Michigan Medicine

TRACK TWO - ABSTRACT SESSION - PROGRAMMATIC

Location: Great Lakes Rooms

Moderators: Kathy Murphy, CNS, PNP; Winfield Wells, MD

Time	Abstract Title	Presenter	Institution
1:00	Hepatocellular Carcinoma Screening in Adult Fontan Patients: A Quality Improvement Initiative	Adam Lubert, MD	C.S. Mott Children's Hospital, Michigan Medicine
1:15	School Intervention: Bridging the Gaps between Hospital and School	Kyle Herma	Children's Hospital of Wisconsin, Madison, WI
1:30	Interdisciplinary Simulations to Optimize the Delivery, Resuscitation, Stabilization, and Transfer of a Newborn Requiring a Time Critical Cardiac Intervention	Sarah Gelehrter, MD	C.S. Mott Children's Hospital, Michigan Medicine
1:45	Creating a Healthcare System Tetralogy of Fallot Patient Registry: A Feasibility Study	Audrey Kouhry	University of North Carolina School of Medicine, Chapel Hill, NC
2:00	Mycobacterium Chimaera Exposure: Screening, Evaluation and Therapy in Pediatric Cardiac Surgery	Kim Kellogg, RN, MSN, PNP	C.S. Mott Children's Hospital, Michigan Medicine
2:15	Priority Discharge for Congenital Heart Center and Frankel Cardiovascular Center Patients	Josh Thielker	Michigan Medicine
2:30	Break		

CONFERENCE SCHEDULE

POINT/COUNTERPOINT: REGIONALIZATION OF PEDIATRIC CARDIAC CARE

*Location: Great Lakes Room
Moderator: Hal Walters, MD*

- 2:45 **Introduction**
Hal Walters, MD
- 2:50 **Point**
John E. Mayer Jr., MD
- 3:10 **Counterpoint**
Marcus Haw, MBBS, MS, FRCS, FECTS
- 3:30 Q&A
- 4:00 Session Adjourns - ***Proceed to Zingerman's Greyline for the "Party with the Posters"!***
- 5:30 **Party with the Posters** - Join us for a special party poster session!
*Location: Zingerman's Greyline - see page 13 for directions and parking information.
Moderators: Edward Bove, MD; William A. Suarez, MD, FACC*
- 7:00 **Celebration Dinner**
*See page 13 for complete details and registration information.
Location: Zingerman's Greyline*

SUNDAY, OCTOBER 1, 2017

7:45am Registration / Continental Breakfast

CURRENT HEALTHCARE ENVIRONMENT & IMPACT ON CONGENITAL HEART CENTERS

*Location: Great Lakes Room
Moderators: Paul King, MHA, CMPE*

- 8:30 **The Current Healthcare Environment & Complex Pediatric Care**
Mark Wietecha, MS, MBA
- 9:05 **Heart Center Structure: Children's Healthcare of Atlanta**
William T. Mahle, MD
- 9:20 **Heart Center Structure: Children's Hospital Los Angeles**
David Romberger, RN, MSN
- 9:35 **Heart Center Structure: University of Michigan C.S. Mott Children's Hospital**
John R. Charpie, MD, PhD
- 9:50 **Heart Center Structure: Boston Children's Hospital**
John E. Mayer Jr., MD
- 10:05 Panel Q&A
- 10:30 Course Adjourns

CELEBRATION DINNER

SATURDAY, SEPTEMBER 30, 2017

7:00 PM - 10:00 PM

Join us for the **Joint Conference Celebration Dinner** at Zingerman's newest property, the Greyline in Ann Arbor's historic downtown. The Greyline will be specially transformed into our own "Lucky Wolverine" Pub featuring great food, drinks, and karaoke for your fun and enjoyment! This event space is limited, for details please see below. **To purchase tickets**, please see the registration desk.



PARKING

Parking is available on a flat lot across the street from Zingerman's Greyline or a parking structure is available one block north off of W. Ann Street - see map on the next page.



ZINGERMAN'S GREYLINE

100 N. Ashley St.
Ann Arbor, MI 48104

The Greyline is located inside the Marriott Residence Inn in downtown Ann Arbor. You will enter the facility on the corner of E. Huron Street and Ashley Street - see map on the next page.

GENERAL INFORMATION

CONFERENCE VENUE

University of Michigan Palmer Commons
Great Lakes Rooms - Floor 4
100 Washtenaw Ave.
Ann Arbor, MI 48109
palmercommons.umich.edu

- *Walking directions from The Graduate Ann Arbor Hotel to Palmer Commons* - walk East on E. Huron until you reach Washtenaw Ave. Take the pedestrian bridge over Washtenaw Ave. and enter Palmer Commons on your right. Take the elevators or stairs up to the fourth floor.
- *Parking:*
Palmer Commons - Please park in the visitors section of the Palmer Commons parking garage-the second entrance on the left off of Palmer Drive. Parking vouchers will be available at the conference registration desk.
Zingerman's Greyline - Parking is available on a flat lot across the street from Zingerman's Greyline or a parking structure is available one block north off of W. Ann Street - see map below.
- A secure luggage room will be available at the conference venue.

