30th Annual International Symposium on Adult Congenital Heart Disease

October 5–9, 2020
A Virtual Program presented via Zoom

Presented by the Heart Institute at Cincinnati Children’s

cincyhearteducationseries.org/achdsymposium
Cincinnati Children’s

Cincinnati Children’s Hospital Medical Center, a nonprofit academic medical center established in 1883, is one of the oldest and most distinguished pediatric hospitals in the United States.

Clinical Services
We offer comprehensive clinical services, from treatments for rare and complex conditions to well-child care. In the 2019-20 *U.S. News & World Report* survey of best children’s hospitals, Cincinnati Children’s ranks No. 3 among all Honor Roll hospitals.

With more than 600 registered beds, Cincinnati Children’s had more than 1.3 million patient encounters and served patients from all 50 states and 58 countries, including 589 international patients, in fiscal 2017.

Education & Training
Through an academic affiliation dating to 1926, Cincinnati Children’s comprises the Department of Pediatrics at the University of Cincinnati College of Medicine. We train more than 600 residents and clinical fellows a year in various pediatric specialties and offer some of the most highly ranked research-based education and training programs in the nation.

Research
We have been an important force in pediatric research since the opening of the Cincinnati Children’s Research Foundation in 1931. Grant funding for our research has more than tripled in the last 15 years, supporting countless discoveries and the continued expansion of our areas of research.

About the Heart Institute
In 2020, *U.S. News & World Report* ranked Cincinnati Children’s Heart Institute a top program in the nation for pediatric cardiology and heart. The Heart Institute team has pioneered many advances in pediatric cardiology, including a first-in-nation ventricular assist device in a Duchenne Muscular Dystrophy patient, numerous transcatheter (nonsurgical) intervention therapies, echocardiography of complex cardiac malformations and the evaluation of cardiac disease during exercise stress. As one of the largest pediatric cardiology programs in the nation, the world-renowned team at the Heart Institute at Cincinnati Children’s Hospital Medical Center has achieved outcomes that rival or surpass those at other top centers, for even the most challenging cases. These outcomes are driven by a bench-to-bedside approach, which allows the Heart Institute to bring research results into mainstream treatment plans for patients before they are available elsewhere.
Purpose

A collaborative of the longstanding partnership between Cincinnati Children’s, the University of Toronto and Oregon Health & Science University, this rotating annual international symposium is the largest adult congenital heart disease meeting in North America. Every third year, the conference is held in Cincinnati (virtually this year).

Adults with congenital heart disease are a rapidly growing and long understudied and underserved population. Our program is designed to meet the needs of trainees as well as established pediatric and adult cardiovascular physicians, nurse practitioners and other allied health professionals, who all share a commitment to the care of adults with congenital heart disease. The meeting will provide extensive didactic and collaborative opportunities for ACHD specialists as well as other cardiologists and healthcare professionals caring for adults with CHD.

Learning Objectives

By their participation in this conference, attendees should be better able to:

• Provide effective team-based care among trainees, physicians, nurses, and other members of the wider cardiovascular team
• Recognize the patient perspective when recommending treatment options
• Promote recognition and implement high quality practice of ACHD medicine among the entire cardiovascular team
• Recognize and acquire needed skills to begin practice in CHD
• Identify how to assess risk for women regarding contraception or experiencing pregnancy with CHD.
• Contextualize cutting-edge research advances in ACHD.
• Outline challenges and opportunities for providing care to adults with CHD in low resource environments.
• Describe experiences, successes, and barriers when developing ACHD programs and teams.
Educational Format

Sessions will be led by recognized ACHD experts and experts in associated fields and will follow a variety of formats — lectures, discussions, case presentations, debates, and keynote lectures.

Accreditation

In support of improving patient care, Cincinnati Children’s Hospital Medical Center is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team. Specific accreditation will be provided for each activity.

Physicians
Cincinnati Children’s designates this live activity for a maximum of 12.5 AMA PRA Category 1 Credit(s)™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Nurses
This activity is approved for a maximum of 12.5 continuing nursing education (CNE) contact hours.

More Information

Updated agendas, notices and other logistical information can be found on the conference website: www.cincyheartheducationseries.org/achdsymposium
Pregnancy in ACHD

All times listed are Eastern Time

Moderators: Nicole Brown, MD and William Schnettler, MD

11:30 am  Conference Welcoming Remarks
Alexander Opotowsky, MD, MMSc | Cincinnati Children’s Hospital Medical Center | Cincinnati, OH, USA

11:35 am  Pregnancy Risk: Pearls and Pitfalls in Developing Generalizable Risk Scores and Applying Them to Individual Women
Candice Silversides, MD, SM | University of Toronto
Mount Sinai Hospital Pregnancy and Heart Disease Program | Toronto, Canada

11:47 am  Anesthetic Considerations During Pregnancy and Childbirth
Andrea Gimius, MD | University of Cincinnati | Cincinnati, OH, USA

11:59 am  Anticoagulation in Pregnancy for Congenital Heart Disease (Other than the Fontan Circulation)
Heidi Connolly, MD | Mayo Clinic | Rochester, MN, USA

12:11 pm  Medication During Pregnancy (Other than Anticoagulation)
Ashley Schenk, PharmD, BCPS, BCCP | UK Health | Lexington, KY, USA

12:23 pm  Case Discussions
Angela Weingarten, MD, MSCI | Vanderbilt Medical Center | Nashville, TN, USA
Leigh Reardon, MD | Ahmanson/UCLA Adult Congenital Heart Disease Center | Los Angeles, CA, USA

12:38 pm  DEBATE: Women with a Fontan Circulation Should Be Routinely Treated with Therapeutic Anticoagulation Throughout Pregnancy
PRO - Sabrina Phillips, MD | Mayo Clinic | Jacksonville, FL, USA
CON - Adam Lubert, MD | Cincinnati Children’s Hospital Medical Center | Cincinnati, OH, USA

1:00 pm  Development of Cardio-Obstetrics Programs: A Roundtable Discussion
Moderators: Jennifer Haythe, MD | Columbia University Irving Medical Center | New York, NY, USA
Jasmine Grewal, MD | University of British Columbia, St. Paul’s Hospital | Vancouver, BC, Canada

Discussants: Nicole Brown, MD | Cincinnati Children’s Hospital Medical Center | Cincinnati, OH, USA
Anne Marie Valente, MD | Boston Children’s Hospital | Boston, MA, USA
Anitha John, MD, PhD | Children’s National Hospital George Washington University | Washington, DC, USA
Timothy Cotts, MD | University of Michigan | Ann Arbor, MI, USA
Candice Silversides, MD, SM | University of Toronto
Mount Sinai Hospital Pregnancy and Heart Disease Program | Toronto, Canada
AGENDA
DAY 2 | TUESDAY, OCTOBER 6

ACHD in Lower Resource Environments
All times listed are Eastern Time

Moderators: Rajesh Vedanthan, MD, MPH and Laith Alshawabkeh, MD, MSCI

8:00 am Welcome and Opening Remarks

8:05 am From Pakistan to USA: A Perspective in ACHD Care
Nauman Shahid, MPH, BSc | Medical Student, CHD Advocate

8:16 am How We Are Doing It: ACHD in India
Anita Saxena, MBBS, MD, DM | All India Institute of Medical Sciences | New Delhi, India

8:27 am Are We So Different? Social Determinants of Health in the United States
Tara Karamalou, MD, MSc | Cleveland Clinic | Cleveland, OH, USA

8:38 am The Burden of Non-communicable Diseases in the Developing World: Where CHD fits
Gene Bukhman, MD, PhD | Harvard Medical School, Brigham and Women’s Hospital | Boston, MA, USA

8:49 am Collaborative Congenital and Rheumatic Heart Disease Research in LMICs
Andrea Beaton, MD | Cincinnati Children’s Hospital Medical Center | Cincinnati, OH, USA

9:00 am Panel Discussion — Bringing it All Back Home: The Enormous Potential and Real Pitfalls of Training in High Income Countries
Nikhil Thatte, MBBS | Boston Children’s Hospital | Boston, MA, USA
Babar Hasan, MB, BS | The Aga Khan University | Karachi, Pakistan
R Krishna Kumar, MD, DM | Amrita Institute of Medical Sciences | Cochin, India

9:30 am The Role of Professional Societies like the International Society of ACHD (ISACHD)
Jamil Aboulhosn, MD | David Geffen School of Medicine at UCLA | Los Angeles, CA, USA

9:35 am The Role of Patient Advocacy Groups like Global ARCH
Amy Verstappen, MEd, MGH | Global Alliance for Rheumatic and Congenital Hearts (ARCH) | Philadelphia, PA, USA

9:40 am Experiences of the International Quality Improvement Collaborative for Congenital Heart Disease (IQIC)
Kathy Jenkins, MD, MPH | Boston Children’s Hospital, Harvard Medical School | Boston, MA, USA
Disty Pearson, PA-C | Boston Children’s Hospital, Brigham and Women’s Hospital | Boston, MA, USA

9:50 am Discussion

Today’s sessions will be recorded and available for viewing by 1 pm ET in order to accommodate our global audience. We hope you will join us later in the evening (5:30 pm - 7:30 pm ET) for a live discussion based on the day’s presentations.
Mini Symposium: ACHD Nursing and Associated Professionals

All times listed are Eastern Time

Moderators: Craig Alexander, MD and Amy Rich, MSN, ACNP-BC

11:30 am Welcome and Opening Remarks

11:35 am The ACHD Nurse
Philip Moons, PhD, RN | KU Leuven (Belgium), University of Gothenburg (Sweden) | Leuven, Belgium

11:45 am The ACHD Nurse Practitioner/Physician Assistant
Jenne Hickey, MSN, RN, FNP-C | Nationwide Children’s Hospital | Columbus, OH, USA

11:55 am Current Challenges of ACHD Nursing Education
Amy Rich, MSN, ACNP-BC | Cincinnati Children’s Hospital Medical Center | Cincinnati, OH, USA

12:05 pm New Avenues for ACHD Nursing Education
Craig Alexander, MD | Cincinnati Children’s Hospital Medical Center | Cincinnati, OH, USA

12:15 pm Lessons Learned During My (Many, Many) Years in ACHD
Stephen Crumb, DNP, ACNP | Nationwide Children’s Hospital | Columbus, OH, USA

12:25 pm Discussion

12:40 pm Promoting Healthy Choices by ACHD Patients
Mallory Gahm, MSN | Texas Children’s Hospital, Baylor College of Medicine | Houston, TX, USA

12:50 pm Exercise and Fitness Guidance for the Adult with CHD
Nancy Barker, MS, PA-C | Boston Children’s Hospital, Brigham and Women’s Hospital | Boston, MA, USA

1:00 pm Psychological Judo: Dealing with “Difficult Clients” (Patients, Doctors, Directors, etc.)
Adrienne Kovacs, PhD | Oregon Health and Science University | Portland, OR, USA

1:10 pm Panel Discussion: Advancing ACHD Nursing Education and Team Collaboration
Moderators: Craig Alexander, MD | Cincinnati Children’s Hospital Medical Center | Cincinnati, OH, USA
Jenne Hickey, MSN, RN, FNP-C | Nationwide Children’s Hospital | Columbus, OH, USA

Panelists: Philip Moons, PhD, RN | KU Leuven (Belgium), University of Gothenburg (Sweden) | Leuven, Belgium
Amy Rich, MSN, ACNP-BC | Cincinnati Children’s Hospital Medical Center | Cincinnati, OH, USA
Stephen Crumb, DNP, ACNP | Nationwide Children’s Hospital | Columbus, OH, USA
Mallory Gahm, MSN | Texas Children’s Hospital, Baylor College of Medicine | Houston, TX, USA
Nancy Barker, MS, PA-C | Boston Children’s Hospital, Brigham and Women’s Hospital | Boston, MA, USA
The Early Days of North American Adult Congenital Heart Disease Told in Three ‘Vintage’ Programs

All times listed are Eastern Time

Moderators: Curt Daniels, MD, Karen Stout, MD and Craig Alexander, MD

5:30 pm  Welcome

5:35 pm  Toronto
Gary Webb, MD and team

5:55 pm  Discussion

6:05 pm  Boston
Mike Landzberg, MD and team

6:25 pm  Discussion

6:35 pm  UCLA
Jamil Aboulhosn, MD and team

6:55 pm  Discussion
Abstract Presentations
All times listed are Eastern Time

Moderators: Rafa Alonso Gonzalez, MD and Adam Lubert, MD
Discussants: Candice Silversides, MD, SM, Alexander Opotowsky, MD, MSSc and Adrienne Kovacs, PhD

11:30 am Welcome Address

11:35 am Cannabis Use: A New Risk Behavior among Adults with Congenital Heart Disease
Barbara Bailey, NP, MN, CCN(C) | University Health Network, University of Toronto

11:42 am External Validation and Tuning of an Adult Congenital Heart Disease Risk Prediction Model; A Transatlantic Collaboration
Cara Lachtrupp, BA | Boston Children’s Hospital

11:49 am Impact of Revised Heart Transplant Allocation System on Adult Congenital Patients – A Large Volume Center Experience
Emily Sandhaus, RN, BSN | Vanderbilt University Medical Center

11:56 am MRI May Underestimate Pulmonary Regurgitation In Patients With Pulmonary Atresia With Intact Ventricular Septum
Wagih Zayed, MD | Rady Children’s Hospital and UC San Diego School of Medicine

12:03 pm Non-invasive CMR Oximetry in Acquired and Congenital Heart Disease: Comparison to Invasive Catheterization
Juliet Varghese, PhD | The Ohio State University

12:10 pm Patient-Reported Outcomes in Adults with Congenital Heart Disease who are Recovering after Hospitalization
Philip Moons, RN, PhD | KU Leuven

12:17 pm Recurrent Disease Progression Networks for Modelling Risk Trajectory of Heart Failure
Xing Han Lu, BSc | McGill University

12:24 pm Role Play Scenarios and Skits as an Educational Intervention For Youth with Congenital Heart Disease (CHD)
Jessica Cao, BS | Warren Alpert Medical School of Brown University
Abstract Presentations - Continued

All times listed are Eastern Time

12:34 – Breakout Poster Room A — Physiology and Outcomes
1:30 pm
Moderators:  
Ari Cedars, MD | The Johns Hopkins Hospital | Baltimore, MD, USA
Elisa Bradley, MD | Nationwide Children's Hospital, The Ohio State University
Columbus, OH, USA
Craig Broberg, MD | Oregon Health and Science University | Portland, OR, USA

12:34 – Breakout Poster Room B — Clinical Experience
1:30 pm
Moderators:  
Adam Lubert, MD | Cincinnati Children's Hospital Medical Center
Cincinnati, OH, USA
S. Lucy Roche, MD | University Health Network | Toronto, ON, Canada
Hasimaran S. Singh, MD, MSc | Weill Cornell Medicine, New York Presbyterian Hospital
New York, NY, USA

12:34 – Breakout Poster Room C — Systems of Care and Quality of Life
1:30 pm
Moderators:  
Philip Moons, PhD, RN | KU Leuven (Belgium), University of Gothenburg (Sweden)
Leuven, Belgium
Ariane Marelli, MD, MPH | McGill University | Montréal, QC, Canada
Andy de Freitas, MD | Lurie Children's Hospital | Chicago, IL, USA
AGENDA  
DAY 4, PART 2 | THURSDAY, OCTOBER 8

Update on ACHD Research Collaboration
All times listed are Eastern Time

Moderators: Arwa Saidi, MD and Alexander Opotowsky, MD, MMSc

5:30 pm
CONCOR
Berto Bouma, MD, MPH | Academisch Medisch Centrum Universiteit van Amsterdam | Amsterdam, Netherlands

5:36 pm
ROPAC
Jolien Roos-Hesselink, MD, MPH | Erasmus MC | Rotterdam, Netherlands

5:42 pm
AARCC
Jasmine Grewal, MD | University of British Columbia, St. Paul’s Hospital | Vancouver, BC, Canada

5:48 pm
FOSTER
Matthew Lewis, MD, MPH | Columbia University, Irving Medical Center | New York, NY, USA

5:54 pm
ACHD-MINDS
Scott Cohen, MD, MPH | Medical College of Wisconsin | Milwaukee, WI, USA

6:00 pm
APPROACH-IS II
Philip Moons, PhD, RN | KU Leuven (Belgium), University of Gothenburg (Sweden) | Leuven, Belgium

6:06 pm
INDICATOR
Tal Geva, MD | Boston Children’s Hospital, Harvard Medical School | Boston, MA, USA

6:12 pm
Discussion

6:18 pm
Arrhythmia in Total Cavopulmonary Anastomosis
Alexander Egbe, MD, MPH, MS | Mayo Clinic | Rochester, MN, USA

6:24 pm
International TGA Registry
Craig Broberg, MD | Oregon Health and Science University | Portland, OR, USA

6:30 pm
Exercise Training
Rachael Cordina, MBBS, PhD | Royal Prince Alfred Hospital, University of Sydney | Sydney, Australia
Update on ACHD Research Collaboration - Continued

All times listed are Eastern Time

6:36 pm  ACTION-HF
        Ari Cedars, MD | The Johns Hopkins Hospital | Baltimore, MD, USA

6:42 pm  CDC Initiative
        Ali Zaidi, MD | Mount Sinai Cardiovascular Institute | New York, NY, USA

6:48 pm  NPC-QIC and Fontan Outcomes Network
        Jack Rychik, MD | The Children’s Hospital of Philadelphia | Philadelphia, PA, USA

6:54 pm  COVID-19 Registry
        Jamil Aboulhosn, MD | David Geffen School of Medicine at UCLA | Los Angeles, CA, USA

7:00 pm  INVESTED: Flu Vaccine Dosing in ACHD
        Payam Dehghani, MD | University of Saskatchewan | Regina, SK, Canada

7:06 pm  Discussion
An Optimistic Finale: Keynote Address and the 2nd Gary D. Webb Honorary Lecture
All times listed are Eastern Time

Moderators: Alexander Opotowsky, MD, MMSc and Eric Krieger, MD

11:30 am  The Future of Adult Congenital Heart Disease Research: Precision Health Services Delivery for the Next Decade
Ariane Marelli, MD, MPH | McGill University | Montréal, QC, Canada

11:50 am  Introduction for the 2nd Gary D. Webb Honorary Lecture
Gary D. Webb, MD | Past Director, Cincinnati, Philadelphia, and Toronto ACHD Programs

11:55 am  “30 Years of Hope in 30 Minutes (fingers crossed): My Life in ACHD”
Michael Landzberg, MD | Boston Children’s Hospital | Boston, MA, USA

12:25 pm  Kudos to Mike from his Progeny

12:50 pm  Awarding of ISACHD Awards
Adrienne Kovacs, PhD | Oregon Health and Science University | Portland, OR, USA

1:00 pm  Closing Remarks
Alexander Opotowsky, MD, MMSc | Cincinnati Children’s Hospital Medical Center | Cincinnati, OH, USA
Craig Broberg, MD | Oregon Health and Science University | Portland, OR, USA
Erwin Oechslin, MD | Toronto General Hospital | Toronto, ON, Canada

We hope to see you all later in the day for an online social event following the symposium:

8:00 pm  Truly Trivial Trivia
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Conquering CHD