



27th International Symposium on Adult Congenital Heart Disease

September 14–16, 2017
Westin Cincinnati
Downtown Cincinnati, OH
cincinnatichildrens.org/ACHDsymposium

Presented by the Heart Institute at Cincinnati Children's & Children's National Health System, Washington, D.C.





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Purpose

With over 1.3 million adults in the United States alone, adult congenital heart disease (ACHD) has become a local and global health issue. In its 27th year, the International Symposium on Adult Congenital Heart Disease brings experts from around the world to deliver the latest findings of cutting-edge research as well as practical advice for the treatment of these patients. This meeting offers opportunities for the novice to the ACHD specialist to learn, share strategies and build relationships – with the ultimate goal of improving the lives of adults with congenital heart disease.

Objectives

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

- Appraise advanced medical and surgical strategies for treating heart failure in the setting of congenital heart disease (CHD)
- Manage the failing right ventricle in the systemic or in the subpulmonary position
- Assess the severity of cardiac and extracardiac complications of the Fontan circulation and practically manage these conditions
- Accurately evaluate risk for women with CHD contemplating pregnancy, manage complications of pregnancy and determine safe and effective contraceptive strategies
- Recognize neurodevelopmental issues for persons with CHD and leverage resources to improve functioning
- Apply the latest pharmacologic and management strategies to treat pulmonary arterial hypertension in CHD
- Predict challenges in electrophysiology, percutaneous and hybrid interventions in the adult with CHD
- Utilize 3D models, multimodality imaging integration and virtual surgery to improve outcomes in CHD
- Incorporate the patient perspective in planning treatment
- Improve the effectiveness of cardiovascular team-based care

Target Audience

The program is intended for pediatric and adult medical providers, including nursing and allied health professionals, seeking to improve ACHD care.

Accreditation

NURSING CREDIT

16.75 contact hours (Day 1–6.5; Day 2–6.9; Day 3–3.1) will be awarded to nurses who attend the entire program and complete an evaluation tool. Cincinnati Children's Hospital Medical Center is an approved provider of continuing nursing education by the Ohio Nurses Association, an accredited approver by the American Nurses Credentialing Center's Commission on Accreditation. (OBN-001-91) (OH-046, 9/1/2018)

PHYSICIAN CREDIT

Cincinnati Children's Hospital Medical Center is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

Cincinnati Children's designates this live activity for a maximum of 16.75 (Day 1–6.5; Day 2–7.0; Day 3–3.25) *AMA PRA Category 1 Credit(s)*[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

CLAIMING CREDIT

An email with a link to an electronic evaluation will be sent immediately following the conference. The evaluation can always be accessed via the mobile app. To claim credit, enter the number of hours you claim and complete the evaluation form. Credit has not been awarded until you see an electronic certificate with your name.

To calculate the number of hours claimed:

Nursing

Credit is awarded per day. To calculate hours, please refer to each day's credit award. You must attend the entire day to earn credit. Partial credit will not be awarded.

Physician and Certificate of Attendance

Credit is awarded per day. To calculate hours, please refer to each day's credit award. You may claim partial credit. To do so, please calculate the portion of the day's credit to be claimed (15 minutes=.25; 30 minutes=.5; 45 minutes=.75; 60 minutes=1.0).

Course Snapshot

THURSDAY

7:00–8:00 am	Breakfast and Registration <i>Gibson Foyer</i>
8:00–8:10 am	Opening and Welcome <i>Presidential Ballroom</i>
8:10–9:50 am	PLENARY SESSION Heart Failure in Adult Congenital Heart Disease <i>Presidential Ballroom</i>
9:50–10:30 am	Break <i>Gibson Foyer</i>
10:30–11:50 am	BREAKOUT SESSIONS Transplantation in ACHD <i>Taft Ballroom</i> Failing Right Ventricle Cases <i>Presidential Ballroom</i>
12:00–1:00 pm	Lunch <i>Fountain Room</i>
1:00–3:20 pm	PLENARY SESSION The Failing Fontan <i>Presidential Ballroom</i>
3:20–3:50 pm	Break <i>Gibson Foyer</i>
3:50–4:40 pm	PLENARY SESSION Fontan Management <i>Presidential Ballroom</i>
4:40–5:10 pm	Gary Webb Annual ACHD Lecture <i>Presidential Ballroom</i>
5:30pm	Opening Reception <i>Fountain Room</i>

FRIDAY

7:00–8:00 am	Breakfast and Registration <i>Gibson Foyer</i>
8:00–8:50 am	PLENARY SESSION MED Talks and Neurocognitive Keynote <i>Presidential Ballroom</i>
8:50–9:00 am	Transition Break <i>Gibson Foyer</i>
9:00–10:25 am	BREAKOUT SESSIONS Pulmonary Arterial Hypertension <i>Taft Ballroom</i> Neurodevelopment <i>Presidential Ballroom</i>

FRIDAY (CONT.)

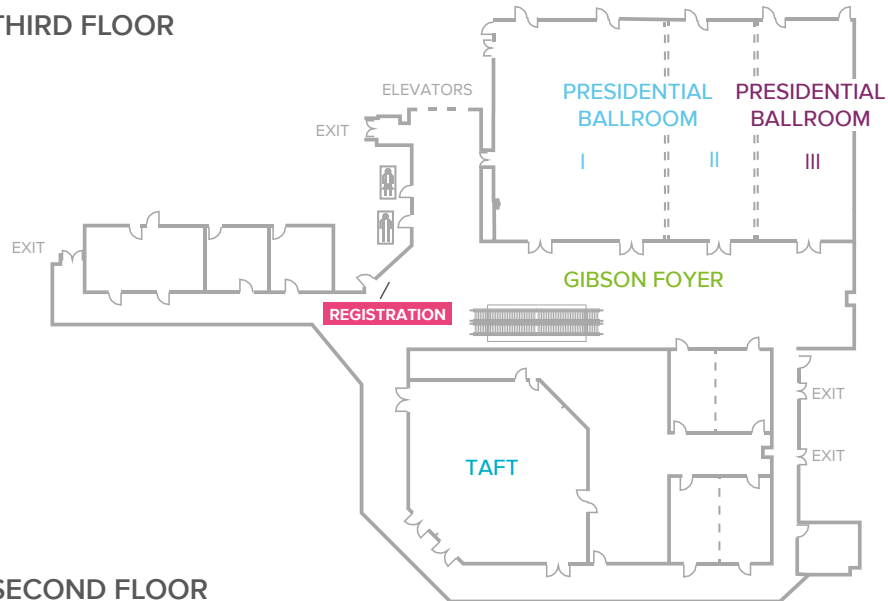
10:25–10:50 am	Break <i>Gibson Foyer</i>
10:50am–12:30 pm	BREAKOUT SESSIONS Cardiac Catheterization <i>Presidential Ballroom</i> Imaging <i>Taft Ballroom</i>
12:30–1:30 pm	Lunch <i>Fountain Room</i>
1:30–3:00 pm	PLENARY SESSION Recent Advances in Adult Congenital Heart Disease <i>Presidential Ballroom</i>
3:00–3:30 pm	Break <i>Gibson Foyer</i>
3:30–4:50 pm	BREAKOUT SESSIONS Fellows Summit <i>Taft Ballroom</i> ACHD Program Administration <i>Presidential Ballroom</i>
5:00–6:00 pm	Jeopardy <i>Presidential Ballroom</i>

SATURDAY

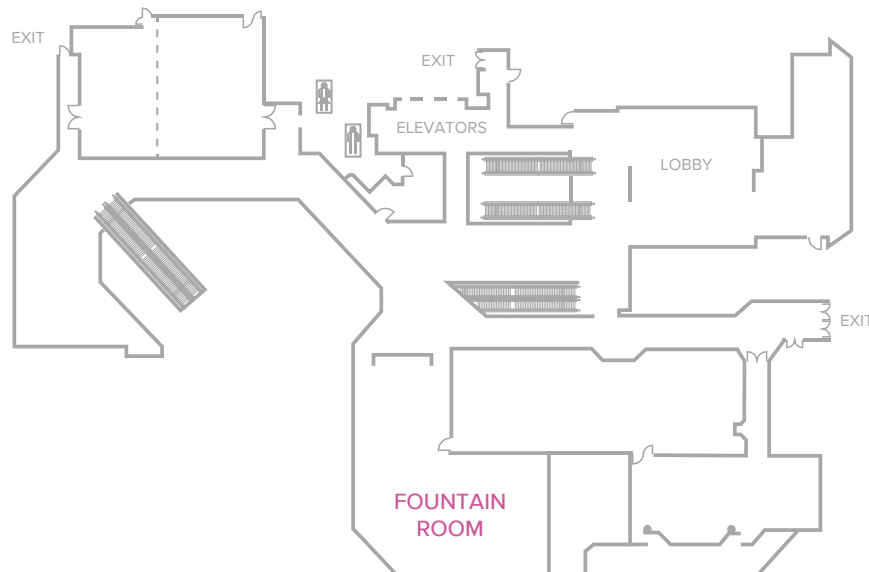
7:00–8:00 am	Breakfast and Registration <i>Gibson Foyer</i>
8:00–8:40 am	Pregnancy Keynote <i>Presidential Ballroom</i>
8:40–10:20 am	BREAKOUT SESSIONS Pregnancy in ACHD <i>Presidential Ballroom</i> Expert Case Presentations <i>Taft Ballroom</i>
10:20–11:00 am	Break <i>Gibson Foyer</i>
11:00–11:50 am	PLENARY SESSION Closing Keynote and Awards Ceremony <i>Presidential Ballroom</i>
11:50am–12:00 pm	Conference Closing and Farewell

Floor Plan

THIRD FLOOR



SECOND FLOOR



THE WESTIN CINCINNATI

PRESIDENTIAL BALLROOM I AND II

- Conference sessions
- Breakout location (1 of 2)

PRESIDENTIAL BALLROOM III

- Exhibits
- Breaks

GIBSON FOYER

- Posters
- Breakfast

TAFT

- Breakout location (2 of 2)
- Fellows Summit

FOUNTAIN ROOM

- Opening Reception
- Lunch

Thursday, September 14

7:00–8:00 am Breakfast and Registration | **Gibson Foyer**

8:00–8:10 am Opening and Welcome – *G. Veldtman, A. John, A. Redington*
Presidential Ballroom

8:10–9:50 am Session 1 | Plenary Session: Heart Failure in Adult Congenital Heart Disease | Moderators: A. Redington, C. Broberg | Presidential Ballroom

8:10–8:25 am Patient Perspective: Andrea Waguespack

8:25–8:30 am Question and Answer

8:30–8:45 am Heart Failure Types in ACHD: Differences and Similarities as compared with Heart Failure in Acquired Heart Disease – *K. Stout*

8:45–8:50 am Question and Answer

8:50–9:05 am Novel Medical Therapies in Heart Failure in ACHD
B. Mulder

9:05–9:10 am Question and Answer

9:10–9:25 am Neurohumoral Modification in ACHD vs. Heart Failure in Acquired Heart Disease – *A. Opatowsky*

9:25–9:30 am Question and Answer

9:30–9:45 am Risk Stratifying Congenital Heart Failure Patients for Early Referral – *A. Marelli*

9:45–9:50 am Question and Answer

9:50–10:30 am Break | **Gibson Foyer**

10:30–11:50 am Session 2 | Breakout Sessions: Heart Failure in Adult Congenital Heart Disease

Breakout 1: Transplantation and ACHD | Moderators: A. Lorts, K. Stout
Taft Ballroom

10:30–10:50 am Listing Criteria and UNOS Updates – *H. Ross*

10:50–10:55 am Question and Answer

10:55–11:15 am Outcomes in Transplantation in ACHD Patients – *I. Wilmot*

11:15–11:20 am Question and Answer

11:20–11:40 am Advanced Mechanical Support – *D. Morales*

11:40–11:45 am Question and Answer

Breakout 2: Failing Right Ventricle Clinical Cases

Moderators: M. Schwerzmann | Panelists: N. Ammash, E. Oechslin, D. Tobler, A. Zaidi | Presidential Ballroom

10:30–10:40 am Tetralogy of Fallot with Biventricular Failure
M. Greutmann

10:40–10:55 am Question and Answer

10:55–11:05 am Congenitally Corrected Transposition of the Great Arteries with Transcatheter Valve Regurgitation – *W. Miranda*

11:05–11:20 am Question and Answer

11:20–11:30 am Mustard/Senning Right Ventricle Failure – *P. Charla*

11:30–11:50 am Question and Answer

12:00–1:00 pm Lunch | **Fountain Room**

1:00–3:20 pm Session 3 | Plenary Session: The Failing Fontan
Moderators: J. Rychik, A. John
Presidential Ballroom

1:00–1:15 pm The Role of Lymphatics in the Failing Fontan Circulation
V. Hjortdal

1:15–1:20 pm Question and Answer

1:20–1:35 pm Systemic Disease in the Failing Fontan Circulation
G. Veldtman

1:35–1:40 pm Question and Answer

1:40–1:55 pm Novel Medical Therapies for the Failing Fontan
J. Van Melle

1:55–2:00 pm Question and Answer

Thursday, September 14 (cont.)

- 2:00–2:15 pm Diastolic Disease in the Fontan: Diagnosis and Management – *W. Budts*
- 2:15–2:20 pm Question and Answer
- 2:20–3:00 pm Keynote Lecture:** Fontan and Advanced Mechanical Support – *M. Rodefeld*
- 3:00–3:20 pm Question and Answer
- 3:20–3:50 pm Break | **Gibson Foyer**
- 3:50–4:40 pm Session 4 | Plenary Session: Fontan Management**
Moderators: J. Rychik, G. Veldtman
Presidential Ballroom
- 3:50–4:00 pm How to Set Up a Fontan Clinic – *J. Rychik*
- 4:00–4:10 pm End of Life Issues for the Failing Fontan – *A. Kovacs*
- 4:10–4:20 pm Role of Exercise and Exercise Rehabilitation in the Fontan Circulation – *J. Van Melle*
- 4:20–4:40 pm Panel Discussion
- *4:40–5:10 pm Gary Webb Annual ACHD Lecture:** The Evolution of Adult Congenital Heart Disease Education
G. Webb | *Introduction by E. Oechslin*
Presidential Ballroom
- Panoramic view of the development of ACHD education over the past three decades, from textbooks to CD-ROM and now the ChiP Network.
- 5:30 pm Opening Reception | Fountain Room**

Friday, September 15

- 7:00–8:00 am Breakfast and Registration | **Gibson Foyer**
- 8:00–8:50 am Session 1 | Plenary Session: MED Talks and Neurocognitive Keynote**
Presidential Ballroom
- 8:00–8:30 am MED Talks: Ensuring High Quality Life-Long Care**
Moderator: E. Oechslin
- 8:00–8:06 am MED Talk 1: Holding Institutions Responsible – *S. Fernandes*
- 8:06–8:12 am MED Talk 2: Holding Patients and Families Responsible
A. Kovacs
- 8:12–8:18 am MED Talk 3: Holding Providers Responsible – *P. Moons*
- 8:18–8:30 am Question and Answer
- 8:30–8:50 am Featured Lecture:** Neurocognitive Function across the Lifespan – *A. Marelli* | *Introduction by P. Moons*
- 8:50–9:00 am Transition Break
- 9:00–10:25 am Session 2 | Breakout Sessions: Pulmonary Arterial Hypertension and Neurodevelopment**
- Breakout 1: Controversies in Pulmonary Arterial Hypertension**
Moderators: C. Daniels, J. Elwing | **Taft Ballroom**
- 9:00–9:10 am 2017 View of Pulmonary Hypertension and Congenital Heart Disease – *A. Opatowsky*
- 9:10–9:20 am Properly Performing a PH Hemodynamic Heart Catheterization in Congenital Heart Disease – *W. Budts*
- 9:20–9:25 am Question and Answer
- 9:25–9:45 am DEBATE: The Criteria to Close Atrial Septal Defects is the same for both Younger and Older Adults
J. Aboulhosn (Pro) vs. C. Daniels (Con)
- 9:45–9:55 am Rebuttal and Voting
- 9:55–10:15 am DEBATE: PAH Therapy is indicated for All Fontan Patients
B. Mulder (Pro) vs. C. Broberg (Con)
- 10:15–10:25 am Rebuttal and Voting

Friday, September 15 (cont.)

Breakout 2: Controversies in Neurodevelopment in ACHD

Moderator: A. Kovacs | Presidential Ballroom

- 9:00–9:15 am Adult Neurocognitive Assessment and Developmental Outcomes – *M. Earing*
- 9:15–9:30 am Adult-Onset Risk Factors for Cognitive Dysfunction in ACHD – *A. Marelli*
- 9:30–9:45 am Executive Dysfunction and its Impact on the Lives of Adult Patients – *M. Gurvitz*
- 9:45–10:00 am Effectively Managing Adolescent and Young Adult Patients with Significant Neurodevelopmental Deficits – *G. Carroll*
- 10:00–10:20 am Panel Discussion
- 10:25–10:50 am Break | Gibson Foyer

10:50 am–12:30 pm **Session 3 | Breakout Sessions: Cardiac Catheterization and Imaging**

Breakout 1: Cardiac Catheterization, Electrophysiology and Hybrid Procedures | **Moderators:** J. Aboulhosn, A. Leventhal | Presidential Ballroom

- 10:50–11:05 am Transcatheter Pulmonary Valve Replacement in the Native Right Ventricular Outflow Tract – *B. Goldstein*
- 11:05–11:20 am Transcatheter Tricuspid Valve Treatment – *J. Aboulhosn*
- 11:20–11:35 am TAVR and MitraClip Roles in Congenital Heart Disease – *E. Horlick*
- 11:35–11:50 am Infective Endocarditis on Transcatheter Valves – *A. Armstrong*
- 11:50 am–12:05 pm Combining Electrophysiology and Transcatheter Structural Interventions – *J. Moore*
- 12:05–12:20 pm Device Therapy in the Adult with Congenital Heart Disease – *R. Czonek*
- 12:20–12:30 pm Question and Answer

Breakout 2: Emerging Imaging Technologies

Moderators: R. Moore, J. Vettukattil | Taft Ballroom

- 10:50–11:10 am Image Integration in ACHD – *J. Vettukattil*
- 11:10–11:15 am Question and Answer
- 11:15–11:45 am Surgical Planning for Complex Congenital Heart Disease – *A. Yoganathan*
- 11:45 am–12:30 pm The Next Frontier in Congenital Heart Surgical Planning: Virtual and Augmented Reality-Based Simulations – *R. Moore, D. Morales*

12:30–1:30 pm Lunch | Fountain Room

1:30–3:00 pm **Session 4 | Recent Advances in Adult Congenital Heart Disease | Presidential Ballroom**

1:30–2:15 pm Oral Abstract Presentations

Moderators: C. Broberg, J. Bokma

- 1:30–1:40 pm Infective Endocarditis Risk After Percutaneous Pulmonary and Tricuspid Valve Implantation with the Melody and Sapien Valves – *Jana Tarabay, MD, Ahmanson/UCLA Adult Congenital Heart Disease Center*
- 1:40–1:45 pm Question and Answer
- 1:45–1:55 pm Resuscitation for Out-of-Hospital Cardiac Arrest in Adults with Congenital Heart Disease – *Jim Vehmeijer, MD, Academic Medical Center Amsterdam*
- 1:55–2:00 pm Question and Answer
- 2:00–2:10 pm NOACs for Thromboembolic Prevention in Patients with a Fontan Circulation – *Hayang Yang, MD, Academic Medical Center Amsterdam*
- 2:10–2:15 pm Question and Answer

Friday, September 15 (cont.)

2:15–2:45 pm **Year in Review: 2015-2016 Most Notable Advancements in ACHD** – *V. Peiris*

2:45–3:00 pm Question and Answer

3:00–3:30 pm Break | **Gibson Foyer**

3:30–4:50 pm **Session 5 | Breakout Sessions: Fellows Summit and ACHD Program Administration**

Breakout 1: Fellows Summit sponsored by ZOLL Medical Corporation (No CME) | *Moderators: J. Bokma, G. Ephrem* | **Taft Ballroom**

3:30–3:40 pm Focus 1: Negotiation, Time Management and Strategy
J. Dauer

3:40–3:50 pm Focus 2: Academia – *A. Opatowsky*

3:50–4:00 pm Focus 3: Private Practice – *S. Pilgrim*

4:00–4:50 pm Table Discussions

Academic/Research

Moderator: J. Bokma

Panelists: A. Opatowsky, B. Mulder, G. Veldtman

Clinical/Imaging

Moderator: G. Ephrem

Panelists: N. Ammash, S. Partington, S. Pilgrim, A. Crean

Electrophysiology/Intervention

Moderator: M. Kollengode

Panelists: A. Armstrong, W. Lam, H. Singh

Congestive Heart Failure/Pulmonary Hypertension

Moderator: D. Briston

Panelists: W. Budts, A. Romfh, K. Stout

Breakout 2: ACHD Program Administration | *Moderator: A. John* **Presidential Ballroom**

3:30–3:40 pm Why Build an ACHD Program – *D. Hile*

3:40–3:50 pm ACHD Business Model: Key Elements – *C. Daniels*

3:50–4:00 pm Practical Tips for ACHA-ACHD Program Accreditation
T. Faulkner

4:00–4:10 pm How to Build Regional ACHD Program Collaborations
A. John

4:10–4:20 pm Essential Components for an Academically Successful ACHD Program – *J. Aboulhosn*

4:20–4:30 pm Transition Programs: Unique Models for Success – *K. Lopez*

*4:30–4:40 pm Panel Discussion and Questions

5:00–6:00 pm Jeopardy (No CME) | *Hosted by C. Learn* **Presidential Ballroom**

View the online abstract syllabus for poster information including moderated discussions at cchmc.cloud-cme.com or via the CloudCME mobile app.

Saturday, September 16

7:00–8:00 am Breakfast and Registration | **Gibson Foyer**

8:00–8:30 am Keynote Lecture: Getting Your Pregnancy Program from Good to Great – *C. Warnes* | Presidential Ballroom

8:30–8:40 am Question and Answer

8:40–10:20 am Session 1 | Breakout Sessions: Pregnancy in ACHD and Expert Case Presentations

Breakout 1: Pregnancy in ACHD | Moderators: *W. Schnettler, C. Learn*
Presidential Ballroom

8:40–8:55 am Patient Perspective: BreeAnna Bergman

8:55–9:00 am Question and Answer

9:00–9:15 am Risk Stratifying Individual Women with CHD Seeking to Undergo Pregnancy – *J. Roos-Hesselink*

9:15–9:20 am Question and Answer

9:20–9:35 am The Anesthetist's View: Minimizing Cardiac Risk in the Delivery Room – *A. Girnius*

9:35–9:40 am Question and Answer

9:40–9:55 am Can and Should Women with a Fontan Undergo Pregnancy – *J. Roos-Hesselink*

9:55–10:00 am Question and Answer

10:00–10:15 am The Placenta in Cardiac Disease – *H. Jones*

10:15–10:20 am Question and Answer

Breakout 2: Ask the Experts: Challenging Cases | Moderator: *K. Stout*
Panelists: *J. Tweddell, C. Broberg, C. Warnes, D. Schneider* | Taft Ballroom

8:40–8:50 am Case 1: Coronary Anomaly – *P. Charla*

8:50–9:10 am Panel Discussion | Question and Answer

9:10–9:20 am Case 2: Imaging and ACHD – *N. Brown*

9:20–9:40 am Panel Discussion | Question and Answer

9:40–9:50 am Case 3: Arrhythmias in ACHD – *A. Leventhal*

9:50–10:10 am Panel Discussion | Question and Answer

10:20–11:00 am Break | **Gibson Foyer**

11:00 am–12:00 pm Session 2 | Plenary Session: Closing Lecture and Awards Ceremony | Presidential Ballroom

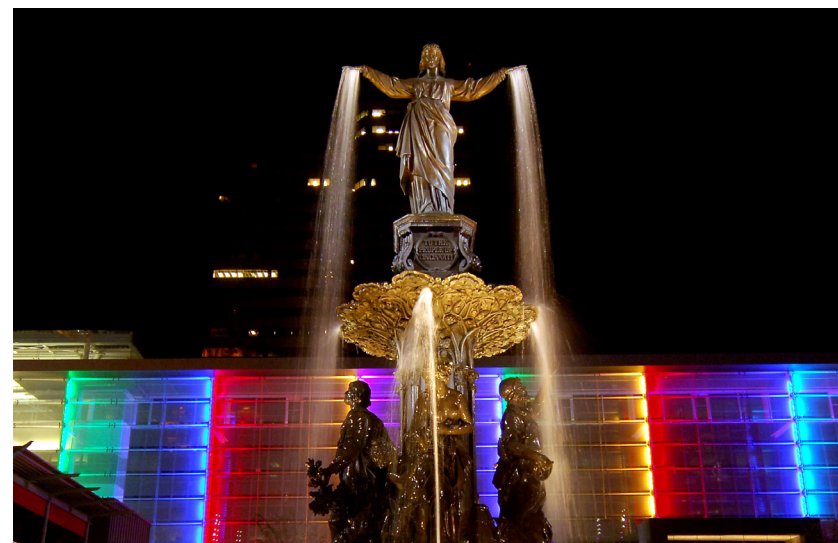
11:00–11:30 am **Closing Lecture:** Artificial Intelligence in Adult Congenital Heart Disease – *N. Bischoff* | Introduction by *G. Webb*

11:30–11:50 am Awards Ceremony

*11:50 am – Conference Closing and Farewell
12:00 pm *G. Veldtman, A. John, G. Webb, T. Faulkner*

12:00 pm Boxed Lunch

**Five minute time for evaluation assumed at the end of each day*



The Westin Cincinnati is surrounded by restaurants, retail, culture and nightlife including Fountain Square.

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Disclosures

The following committee members/faculty have indicated commercial support relationship(s). Remaining committee/faculty identified no relevant conflicts. All identified conflicts of interest pertaining to this activity were resolved prior to the activity.

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Consulting Fee—Braun Medical, Inc.; Consulting Fee—St. Jude Medical, Inc.; Consulting Fee—Edwards Lifesciences LLC; Contracted Research—Pfm Medical, Inc.; Contracted Research—Edwards Lifesciences LLC; Contracted Research—Medtronic, Inc.; Contracted Research—Siemens AG

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Consulting Fee—Medtronic, Inc.

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