WEDNESDAY, MAY 13, 2020
VAD/MCS Simulation Session
Optional interactive VAD/MCS simulation session will be offered before the conference. Simulation is an effective training and education tool, and this session allows attendees to safely practice skills and work in a team environment similar to actual patient care. Attendees will rotate between 2 simulations and 1 hands-on station. Please select one session time.

1:00 – 3:00pm  OPTION #1
3:00 – 5:00pm  OPTION #2

THURSDAY, MAY 14, 2020
6:00 – 6:45am  Exhibit Set-up
7:00 – 8:00am  Conference Registration
7:55 – 8:00am  Welcome Remarks
David Morales, MD (Cincinnati, OH) & Angela Lorts, MD, MBA (Cincinnati, OH)

8:00 – 10:25am  SESSION #1
Moderators: Angela Lorts, MD, MBA (Cincinnati, OH) & Akif Ündar, PhD (Hershey, PA)

8:00 – 8:20am  Choosing the Right Device in Regards to Type and Acuity of Heart Failure
Iki Adachi, MD (Houston, TX)

8:20 – 8:35am  Mechanical Circulatory Support on Pediatric Heart Transplant Candidates with Elevated Pulmonary Vascular Resistance
Karthik Thangappan (Cincinnati, OH)

8:35 – 8:55am  New Anticoagulation Modalities for MCS
Christina J. VanderPluym, MD (Boston, MA)

8:55 – 9:10am  Novel Use of Cangrelor in Pediatrics: A Case Series Demonstrating Use in Ventricular Assist Devices
Sarah Fahnhorst, DO (Memphis, TN)

9:10 – 9:30am  What To Do When Your MCS Patient is No Longer a Transplant Candidate
Jodi Lantz, NP (Dallas, TX)

9:30 – 9:45am  Durable Ventricular Assist Device Support for Failing Glenn Physiology
Jiyong Moon (Houston, TX)

9:45 – 10:05am  Electronic Data Captures Role in Improving Perfusion Practice
James Reagor, MPS, CCP, FPP (Cincinnati, OH)

10:05 – 10:25am  Panel Discussion

10:25 – 11:00am  Break, Vendor Exhibits & Digital Posters
11:00 – 11:25am  **Keynote Lecture**  
History of Ventricular Assist Devices: An Engineer’s Perspective  
*Richard Wampler*

11:25 – 11:30am  **Presentation of Young Investigators’ Awards**

11:30 – 12:30pm  **Lunch Break, Vendor Exhibits & Digital Posters**

12:30 – 3:00pm  **SESSION #2**  
*Moderators: David Morales, MD (Cincinnati, OH) & James Reagor, MPS, CCP, FPP (Cincinnati, OH)*

12:30 – 12:50pm  **CASE #1 Total Artificial Heart in the Infant**  
*Ronald Woods, MD, PHD (Milwaukee, WI)*

12:50 – 1:05pm  **Stroke on Mechanical Support: Similar Survival But Higher Risk of Stroke Post-Transplant**  
*Karthik Thangappan, MD (Cincinnati, OH)*

1:05 – 1:25pm  **CASE #2 Difficult ECMO Case**  
*Shriprasad Deshpande, MBBS, MS (Washington, DC)*

1:25 – 1:40pm  **New Pathways in ECPR Simulation: Deployment Times as a Performance Metric**  
*Christina Duelley, MSN, RN, CPN, CCRN (Washington, DC)*

1:40 – 2:00pm  **CASE #3 MCS in CHD**  
*Sabrina Law, MD (New York, NY)*

2:00 – 2:15pm  **Ovarian Torsion in a Teenager on Ventricular Assist Device Therapy**  
*Kristen Nelson McMillan, MD (Chicago, IL)*

2:15 – 2:35pm  **CASE #4 Total Artificial Heart**  
*Michael Mongé, MD (Chicago, IL)*

2:35 – 3:00pm  **Panel Discussion**

3:00 – 3:30pm  **Coffee Break, Vendor Exhibits & Digital Posters**

3:30 – 5:45pm  **SESSION #3**  
*Moderators: Braley Millin, CCP (Cincinnati, OH), Chet Villa, MD (Cincinnati, OH)*

3:30 – 3:50pm  **Supporting the Failing Fontan Circulation: Lessons Learned**  
*Matt O’Conner, MD (Philadelphia, PA)*

3:50 – 4:05pm  **Is Bivalirudin Comparable to Heparin Anticoagulation for Pediatric Extracorporeal Life Support? Results From a High-Volume Center**  
*Matthew R. Schill (Saint Louis, MO)*

4:05 – 4:25pm  **Techniques in an Era of No MUF**  
*Tami Rosenthal, CCP (Philadelphia, PA)*

4:25 – 4:40pm  **Nitric Oxide Added to the Sweep Gas of the Oxygenator during Cardiopulmonary Bypass in Infants: A Pilot Randomized Controlled Trial**  
*Robert A Niebler MD (Milwaukee, WI)*
FRIDAY, MAY 15, 2020

6:00 – 6:45am  Exhibit Set-up
7:00 – 8:00 am  Conference registration
8:00 – 9:30am  HOT TOPIC DEBATES
Moderators: David Morales, MD (Cincinnati, OH) & David Cooper, MD (Cincinnati, OH)
8:00 – 8:30am  Debate #1: Supporting Single Ventricle Infant: Pulsatile VAD is Better Than Continuous Flow VAD
Pro: Joseph Phillips, MD (Gainesville, FL) & Con: Katie Simpson, MD (St. Louis, MO)
8:30 – 9:00am  Debate #2: Myocarditis: Temporary VAD is the Only Way to Support the Patient
Pro: Iki Adachi, MD (Houston, TX) & Con: Francis Fynn-Thompson, MD (Boston, MA)
9:00 – 9:30am  Debate #3: Pediatric Device Trials Are the Only Way to Bring Pediatric Devices to Market
Pro: Joe Rossano, MD (Philadelphia, PA) & Con: David Rosenthal, MD (Palo Alto, CA)
9:30 – 10:00am  DISCUSSION
LV Decompression in ECMO Patients: Two Views
Sebastian Tume, MD (Houston, TX) & Chet Villa, MD (Cincinnati, OH)
10:00 – 11:00am  Break, Vendor Exhibits & Digital Posters
11:00 – 12:00pm  Lunch
12:00 – 2:00pm  SESSION #4: Mishaps, Mistakes, and Lessons Learned
Moderators: Akif Ündar, PhD (Hershey, PA) & Rob Ferguson, CCP (Cincinnati, OH)
12:00 – 12:20pm  WORST CASE #5 CPB
Sean Clingan, CCP (Cincinnati, OH)
12:20 – 12:40pm  WORST CASE #6 CPB
Vincent Olshove, CCP (Louisville, KY)
12:40 – 1:00pm  WORST CASE #7 CPB
Daniel Gomez, CCP (Columbus, OH)
1:00 – 1:20pm  WORST CASE #8 VAD Case
Aliessa P. Barnes, MD (Kansas City, MO)
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| 1:20 – 1:40pm | Impact of a Multi-Disciplinary Team Approach to Prevent Avoidable Mistakes for Neonatal CPB Population  
*Akif Ündar, Ph.D. (Hershey, PA)* |
| 1:40 – 2:00pm | Panel Discussion                                                      |
| 2:00 – 2:15pm | Break, Vendor Exhibits & Digital Posters                              |
| 2:15 – 4:15pm | **SESSION #5: Regular Slide Presentations**                           |
| 2:15 – 2:30pm | Evaluation of an Anti hyperfibrinolysis Regimen in Pediatric Cardiac Surgery  
*Andreas Teske (Erlangen, Germany)* |
| 2:30 – 2:45pm | Lower Baseline Anti-Thrombin III is Associated with Lower Heparin Concentration During Neonatal Cardiopulmonary Bypass  
*M. Bojan (Le Plessis-Robinson, France)* |
| 2:45 – 3:00pm | Impact on Cardiopulmonary Bypass Management for Double Outlet Right Ventricle Repair: compare univentricular repair with biventricular repair  
*Hideshi Itoh (Fukuoka, Japan)* |
| 3:00 – 3:15pm | Mild Hypothermia with Selective Cerebral Perfusion for Neonatal Aortic Arch Reconstruction  
*Shu-chien Huang, MD, PhD (Taipei City, Taiwan)* |
| 3:15 – 3:30pm | Initial Experience with del Nido Solution at a Pediatric and Congenital Cardiac Surgery Program in Brazil  
*Luana Marques de Carvalho Pegollo (São Paulo, Brazil)* |
| 3:30 – 3:45pm | Outcomes and Factors Associated with Early Mortality of Extracorporeal Membrane Oxygenation in Pediatric Cardiac Surgery  
*Yu Jin, MD (Beijing, China)* |
| 3:45 – 4:00pm | Investigation of a Novel Method for Improving Hemodynamics of Failing Fontan Circuit by Means of an Experimental Model  
*T.K. Susheel Kumar, MD (New York, NY)* |
| 4:00 – 4:15pm | Blood Primed Cardiopulmonary Bypass Circuit Quality Research Project  
*Barbara Braley Millin, CCP (Cincinnati, OH)* |
| 4:15pm       | **Closing Remarks**                                                   |
|             | *David Morales, MD (Cincinnati, OH) & Angela Lorts, MD, MBA (Cincinnati, OH)* |