Wednesday, February 7, 2024
1:00 PM – 4:00 PM  REGISTRATION
3:30 PM - 4:00 PM  Opening Business Meeting
             Fellow, Member, Senior and Honorary Members
4:00 PM – 7:00 PM  Manufacturers’ Breakout Rooms
             Medtronic
             Spectrum Medical

Thursday, February 8, 2024
7:00 AM  REGISTRATION
7:00 AM – 7:45 AM  Video Presentations

7:45 AM – 9:30 AM  Scientific Paper Session
             Moderators: Tami Rosenthal, Murphy Rayle

CLINICAL COMPARISON OF GLYCOL VERSUS WATER-BASED HEATER COOLER SYSTEMS FOR CARDIOPULMONARY BYPASS
McKenzie Ayala, Samantha Bruner, Melissa Pollard, Amber Stone, Jennie Kwon, Kelly Ohlrich, Ashley Morgan Hill, David Fitzgerald, Arman Kilic

A SINGLE CENTER STUDY ON MR FROSTY: IS GLYCOL THE FUTURE?
Joy Evangelin, Kyle Spear, Rene’Dekkers

INTRAOPERATIVE ELECTROPHYSIOLOGY MAPPING OF THE CARDIAC CONDUCTION SYSTEM TO AVOID HEART BLOCK DURING CORRECTION OF CONGENITAL CARDIAC LESIONS: TECHNICAL APPROACH TO CARDIOPULMONARY BYPASS
Joseph Deptula, Vincent Olshove, Molly Oldeen, Deborah Kozik, Bahaaldin Alsoufi

MULTISTAGE BLOODLESS NORWOOD IS POSSIBLE: ENCOURAGING RESULTS OF A MULTIYEAR, ITERATIVE QUALITY PROGRAM TO REDUCE AND REMOVE EXOGENOUS BLOOD PRODUCTS FOR NEONATAL AND INFANT CONGENITAL HEART SURGERY
Kevin Charette, Lyubomyr Bohuta, Amy Falconer-Harris, Brian Perfette, Kailey Fuegmann, Navriti Sharma, Moore Phillips, Denise Joffe, Andrew Koth, Christina Greene, David Mauchley, Aartie Bhat, Michael D. McMullan

PREDICTORS OF MORTALITY IN PATIENTS REQUIRING EXTRACORPOREAL MEMBRANE OXYGENATION SUPPORT (ECMO)
Gabrielle Ward, Iris Feng
9:30 AM – 11:30 AM  **Fireside Chats**

Everything ECMO
- Collaborate with colleagues about the intricacies of what goes into all parts of ECMO

Pediatrics
- An open forum to discuss standards of care and new practices in the field

Perfusion accidents
- If you can think of it, it has either happened to someone else or will to you. Let's share and learn.

Simulation: from low to high fidelity
- See what other centers are doing to build and grow this important technique (Combo: chat and simulation)

Students Only Forum
- A forum to meet and greet for students only

11:30 AM – 12:30 PM  Lunch (Speaker- Matt Wittenauer, CCP, Med – Selecting a Cell Saver)

12:30 PM – 2:30 PM  **Special Scientific Panel Session - Our Early Years of Cardiopulmonary Bypass: A Blast from the Past**  
*Moderators: Thomas Frazier, James Beavers*

- **Pumps and Hardware** - Steven Sutton, CCP  
- **Circuit Components** - From Open Bubbler to Closed Membrane Systems  
  - David Palanzo, CCP Emeritus  
- **Surgeon And Perfusion Related, Early Era, Myocardial Preservation Techniques** - 1967 to 1980 - Jim MacDonald, CPC (R) CCP (Emeritus)  
- **Perfusion Safety** - Mark Kurusz, CCP Emeritus  
- **ECMO** - John Toomasian

Panel Discussion

2:30 PM – 2:50 PM  Break

2:50 PM – 4:20 PM  **Special Scientific Panel Session - Future Innovation: AI and HLMs**  
*Moderators: Vincent Olshove, John St. Onge*

- **Big Data / Predictive Analytics** - James Beck  
- **Future of Hardware / Safety** - Kathryn Gray DeAngelis  
- **Future of Simulation** - Edward Darling  
- **Future of Education** - Laura Dell'Aiera

Panel Discussion

05:00 PM  Sponsor’s Hands-On Workshop & Reception
Friday, February 8, 2024

7:00 AM - 7:45 AM
REGISTRATION
Video Presentations

7:45 AM - 9:30 AM
Scientific Paper Session
Moderators: Gabrielle Ward, Robert Grimmett

EXPANSION OF THE HEART TRANSPLANT DONOR POOL WITH DONATION AFTER CIRCULATORY DEATH UTILIZING NORMOTHERMIC REGIONAL PERFUSION

THE ETHICAL CONSIDERATIONS OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING IN PERFUSION
Adam L. Fernandez

PUTTING THE AI IN TRAINING: DYNAMIC PERFUSION SCENARIO TOOL
Madison Lynch, Raymond Wong

DEVELOPING ACTIVE LEARNING ACTIVITIES FOR DIDACTIC PERFUSION COURSES
Catherine Kim

ADVANCES IN REMOTE AND CLOUD-BASED SIMULATION THROUGH WEB CONFERENCING PLATFORMS
Abby Curtis, Chandler Causey, Elisabeth Jones, Michaela Califiano, Justin Muir, William Dauch, Laura Dell'Aiera, David Fitzgerald

9:30 AM - 11:30 AM
Fireside Chats

Pediatrics and Pediatric ECMO
- What's new, what's not and what struggles do we face as the specialty moves forward
Shortages
- From human resources to material resources
Simulation: from low to high fidelity
- See what other centers are doing to build and grow this important technique (Combo: chat and simulation)
What they didn't teach us in school / Dealing with stress / Work life balance
- Round table discussion on situations you never anticipated after graduation, and how to navigate
Women in Perfusion
- Collaborate with some special situations and challenges of other women in the field

11:30 AM - 12:30PM
Lunch (Historical Videos)
12:30 PM – 2:30 PM  
**Special Scientific Panel Session – ECMO Update**  
*Moderators: Allison Weinberg, Dana Mullin*

- Adult ECMO – Dr. Christina Jelly  
- Pediatric ECMO – Dr. Melissa Danko  
- Hybrid Cannulations / MCS – Killian Patton-Rivera  
- ECPR – Thomas Preston  
- ECMO Case Report – Ashleigh LeBlanc  
- Panel Discussion

2:30 PM – 3:00PM  
Break

3:00 PM – 5:00 PM  
**Memorial Session**  
*Moderator: Justin Resley, CCP Emeritus, MM*

- Introduction – Justin Resley, CCP Emeritus, MM  
- Charles C. Reed Memorial Lecture (James Abernathy, MD, MPH)  
- Thomas G. Wharton Memorial Lecture (David Fitzgerald)  
- Special Presentation by the Fellowship

6:30 PM  
Induction Dinner  
*All Attendees and Guests*

**Saturday, February 10, 2024**

7:00 AM  
REGISTRATION

7:00 AM – 7:45 AM  
Video Presentations

7:45 AM – 9:30 AM  
**Scientific Paper Session**  
*Moderators: Nicole Michaud, Ray Wong*

- BIVALIRUDIN: AN ANTICOAGULATION ALTERNATIVE FOR CARDIOPULMONARY BYPASS  
  Joseph Timpa

- ANTIMICOAGULATION MANAGEMENT OF ANTIPHOSPHOLIPID PATIENTS: A COMPARISON OF ACT AND HEPARIN CONCENTRATION OUTCOMES  
  Edgar Longoria

- ALPHA-GAL SYNDROME: A HIDDEN RISK IN CARDIAC SURGERY  
  Ashley K Mathews, Raymond K Wong

- REMOVAL OF IVC STRUT USING MINIMALLY INVASIVE SURGERY AND MEDISTIM IMAGING PROBE  
  Edward DeLaney, Dr. Nirav Patel

- THE EFFECTS OF HYPONATREMIA ON HEARTMATE III OUTCOMES: A SINGLE CENTER STUDY  
  Jennifer Stubblebine, Brian Reeder, Brian Houston, Rachel Beck, Mary Dooley, Laura Dell'Aiera, David Fitzgerald
9:30 AM – 10:00 AM Break

10:00 AM – 11:30 AM Special Scientific Panel Session - Pediatrics
Moderators: Nicole Michaud, Joseph Deptula

Adult Congenital – Bradley Kulat
Fetal Interventions for Hypoplastic Left Heart Syndrome.
   – Jamie N. Colombo, DO, FACC
Pediatric Registry – Vincent Olshove
Complicated Cases – Joseph Deptula
Panel Discussion

11:30 AM – 12:30 PM Lunch (Historical Videos)

12:30 PM – 1:30 PM Special Scientific Panel Session – Pro / Con Debate
Moderators: Richard Melchior, James Beck

Flow vs. Neo-Synephrine – Christine Chan and Bharat Datt
Recredentialing for all CCPS – Anna Iulianelli and Isaac Chinnappan

1:30 PM – 3:00 PM Special Scientific Panel Session – Heart Transplantation
Moderators: Amy Ging, Scott Noesges

Donation After Circulatory Death (DCD) Organ Procurement – Fred Hill
Normothermic Regional Perfusion (NRP) – Dr. Ashish Shah
Partial Domino Heart Transplant – Monique Gregory
Panel Discussion

3:00 PM – 5:00 PM Fireside Chats

ECMO and VAD Challenges: Scenarios and Transports
   - Let's learn from each other as transports (intra and inter hospital) are becoming their own new specialty.
Electronic Medical Records: The Good, the Bad, and the Glitchy
   - See how centers are tackling and incorporating this evolving standard of care.
Industry and CCP
   - What it's like to go from clinical to industry, combine both, and maybe back again with all the challenges faced.
Myocardial Preservation
   - Everything from the OR, to NRP to DCD

5:00 PM Closing Business Meeting
   Fellow, Senior and Honorary Members Only