

**45th Annual Seminar of The American Academy of
Cardiovascular Perfusion
Loews Vanderbilt Hotel
2100 West End Avenue, Nashville, TN 37203
February 7-10, 2024
(Tentative Program)**

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

Abbott

Hands-on with the CentriMag System & Pre-connected Pack

Medtronic

*Medtronic Workshop: Experience Transformative Innovation in
ECLS and Autotransfusion*

Spectrum Medical

Quantum Pureflow - Changing the paradigm of CPB disposables.

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 – autoLog IQ – Evaluation, Implementation and Experiences from The Cleveland Clinic)

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

REGISTRATION

7:00 AM – 7:45 AM

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

Iulianelli, Christian M., Gawlinski, Lauren A., Cockrell, Amanda M., DeBose-Scarlett, Alexandra, War Hoover, Matthew

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

**ANTICOAGULATION 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-Syneprine – Christine Chan and Bharat Datt*
Recertification 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