46th Annual Seminar of The American Academy of Cardiovascular Perfusion

Embassy Suites Denver Downtown Convention Center 1420 Stout St, Denver, CO 80202 February 5-8th, 2025

Wednesday, February 5th, 2025

1:00 pm – 5:00 pm REGISTRATION

2:30 pm – 5:00 pm Manufacturers' Breakout Rooms

5:00 pm – 5:30 pm Opening Business Meeting

Fellow, Member, Senior, and Honorary Members

5:30 pm – 7:00 pm Special Scientific Panel Session – Pro/Con Debates

Moderators: Kevin Charette, William Riley

Al vs. Focus on the Patient and Not the Buttons

James Beck and Steven Sutton Transplant Harvest: Traditional vs. NRP

Kathryn Gray DeAngelis and Frederick Hill

Thursday, February 6th, 2025

7:00 am - 10:00 am REGISTRATION

7:00 am – 7:30 am Historical Video Presentation and Breakfast

7:30 am – 9:30 am Special Scientific Panel Session – Transplants

and Controversy

Moderators: Allyson Aguino, Killian Patton-Rivera

Normothermic Regional Perfusion (NRP) - Michael Hancock Saving More Lives Through NRP- An OPO Perspective

- Jennifer Muriett, COO, Donor Alliance

Legal and Ethical Hurdles - Dr. Jordan Hoffman, Medical Director

Panel Discussion

9:30 am - 11:30 am **Fireside Chats**

Everything ECMO

Pediatrics

Precepting Our Future Colleagues Simulation: Low and High Fidelity

Students Only Forum

11:30 am – 12:30 pm Lunch (Speaker - Livanova)

Generational Quality Initiative

Keith Atwell, University of TN Medical Center

12:30 pm – 2:30 pm Special Scientific Panel Session – Future Technology

Moderators: David Fitzgerald, Mellissa Duarte Al and Simulation - Dr. Marc Dickstein

Al and Apps - Dr. Zain Khalpey

Al-enabled Clinical Decision Support During Cardiopulmonary Bypass - Dr. Roger Dias

AI: The Genie in the Lamp or Opening Pandora's Box?

- Dr. Adam Fernandez

Panel Discussion

2:30 pm – 3:00 pm Historical Presentation and Break

3:00 pm – 3:15 pm Who Loves Paying Taxes? Pay Your Fair Share Without Leaving a

Tip - John Bruno RICP®, QPFC

Northwestern Mutual Wealth Management Company

3:15 pm - 5:00 pm Scientific Paper Session

Moderators: Chloe Choi, Joshua Walker

EVALUATING THE IMPACT OF MAINTAINING PATIENT DO2 TO

REDUCE ACUTE KIDNEY INJURY (AKI)

Christa Bond Kampert University of Maryland Medical Systems- St. Joseph Medical Center and Clifford Edwin Fonner Maryland Cardiac

Surgery Quality Initiative

MODERN OVERHAUL OF THE PRE-BYPASS CHECKLIST: LEVERAGING LIVE DATA CAPTURE TO REPLACE "YES/NO"

CHECKLIST DESIGN

Michael W Vespe, Joseph Lewis, Marc E Stone; Icahn School of

Medicine at Mount Sinai, New York, NY

TIME-DOSE RESPONSE OF OXYGEN DELIVERY DURING CARDIOPULMONARY BYPASS IN MITRAL VALVE SURGERY:

DOES SURGICAL APPROACH MATTER?

Reisinger M, Kachel M, Wang C, Pirelli L, Geirsson A, Argenziano M,

Kurlansky P, Chung C, Fung K, Beck J, George I; New York-

Presbyterian Hospital, Columbia University Medical Center, New York, NY

COUNTY-LEVEL DISTRIBUTION OF EXTRACORPOREAL MEMBRANE OXYGENATION IN SOUTH CAROLINA

Christopher Marler, Brittney Waters, Mattie Solomon, Laura Dell'Aiera,

Mary Dooley; Medical University of South Carolina

THE EFFECT OF CIRCUIT RINSING ON REDUCING THE CARBON

FOOTPRINT

Julie Collins, Allison Weinberg, Darian Murcek-Ellis, Cristina Parra; Rush

University Medical Center

FIRST IN-HUMAN EARLY FEASIBILITY STUDY OF BIVACOR TOTAL

ARTIFICIAL HEART

Sanjay Patel: Michael E DeBakey VA Medical Center, Houston, Texas

William Cohn, Daniel Timms: BiVACOR, Inc.

5:30 pm – 8:30 pm Sponsor's Hands-On Workshop & Reception

Friday, February 7th, 2025

7:00 am - 10:00 am REGISTRATION

7:00 am – 7:45 am Historical Video Presentation and Breakfast

7:45 am – 9:45 am Special Scientific Panel Session – Pediatrics

Moderators: Carmen Giacomuzzi, Isac Chinnappan

Overview of Blood Conservation in Pediatrics - Ron Angona

Adequacy of Perfusion in Pediatrics - Molly Dreher

Autologous Prime in Pediatrics - Joseph Deptula

New Spin to Old Techniques in Blood Conservation

- Ashleigh LeBlanc

Wrapping it up, What we do with the Blood - Kevin Charette

Panel Discussion

9:45 am - 11:45 am **Fireside Chats**

Pediatrics and Pediatric ECMO

AI in Perfusion Perfusion Accidents Team Dynamics

Simulation: Low and High Fidelity

11:45 am – 1:00 pm Historical Video Presentation and Lunch

1:00 pm – 2:45 pm Special Scientific Panel Session – ECMO

Moderators: Allison Weinberg, Emily Kahring

ECPR - Mark Martin

ECPR Survivor - Sarah Casalan

Pediatric Ambulatory ECMO - Jessica Cornman

ECMO Resource Management, Both Human and Material

- Kathryn Gray DeAngelis

Panel Discussion

2:45 pm – 3:15 pm Historical Video Presentation and Break

3:15 pm - 5:00 pm **Memorial Session**

Introduction – David Fitzgerald Charles C. Reed Memorial Lecture - Dr. Joseph (Jay) Zwischenberger Thomas G. Wharton Memorial Lecture

- Allison Weinberg

6:30 pm Induction Dinner

All Attendees and Guests (pre-registration required)

Saturday, February 8th, 2025

7:00 am - 10:00 am REGISTRATION

7:00 am – 7:30 am Historical Video Presentation and Breakfast

7:30 am – 10:00 am Scientific Paper Session

Moderators: Deborah Adams, Hannah Gray

PRESSURE DROP ACROSS COMMON LEFT VENTRICLE VENT

CATHETERS

Nicholas Ownbey, Tyler Randolph, Nicholas Majzer, Mary Dooley, David Fitzgerald, David Fisher, Laura Dell'Aiera, Lloyd Felmly, and William Dauch;

Medical University of South Carolina, Charleston, SC

POSTOPERATIVE HEMOGLOBIN CHANGES FOLLOWING

ULTRAFILTRATION IN CARDIAC PATIENTS

Ethan Forsberg, Carly Falotico, Douglas Smego, Hui Li, Brandon Tomcek, Chris Blaylock, Kirk Bingham, Margaret Carlson, Joseph Tonna; University of Utah Health

PERFUSION SUPPLY CHAIN: A BUSINESS CASE FOR COLLABORATION Robert L. Reed; University of Alabama Medical Center, Birmingham, Alabama

RELATIONSHIP BETWEEN NUMBER OF DAYS PRIMED AND EFFICIENCY OF OXYGENATORS: A PRE-EXPERIMENTAL STUDY Austin Racicot, Allison Weinberg, Julie Collins; Rush University Medical Center

EXPLORING CELL FREE DNA AS A BIOMARKER FOR EVALUATING CARDIOPLEGIA EFFICACY IN CARDIAC SURGERY Anne Krueger, Toshinobu Kazui, Raymond K Wong; The University of Arizona and Banner University Medical Center-Tucson

CASE PRESENTATION: HEART FAILURE FOLLOWED BY HLA SENSITIZATION NECESSITATING TRANSPORT TO OUTSIDE FACILITY ON BERLIN HEART VENTRICULAR ASSIST DEVICE Alex Gum; Children's Healthcare of Atlanta

MANAGEMENT OF HIGHLY SENSITIZED HEART TRANSPLANT RECIPIENTS Caleb Varner; New York Presbyterian – Morgan Stanley Children's Hospital

EFFICACY OF VIDEO VISUAL AIDS IN CONJUNCTION WITH LECTURE AND LABORATORY DIDACTIC COURSES FOR PERFUSION STUDENTS Daniel Spencer, Camille Dang, Allison Weinburg, Julie Collins; Department of Cardiovascular Perfusion, Rush University Medical Center

10:00 am -12:00 pm Fireside Chats

ECMO and VAD Challenges
Emerging Techniques of Transplant and Organ Procurement
The Future of Our Career
Shortage Solutions
Women in Perfusion

12:00 pm Closing Business Meeting

Fellow, Senior, and Honorary Members Only