

**46<sup>th</sup> Annual Seminar of  
The American Academy of Cardiovascular Perfusion  
Webcast  
February 5-8<sup>th</sup>, 2025**

**Wednesday, February 5<sup>th</sup>, 2025**

5:30 pm – 7:00 pm      **Special Scientific Panel Session – Pro/Con Debates**  
*Moderators: Kevin Charette, William Riley*

*AI 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 6<sup>th</sup>, 2025**

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

7:30 am – 9:30 am      **Special Scientific Panel Session – Transplants  
and Controversy**  
*Moderators: Allyson Aquino, 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**  
*Team Dynamics  
Future of Our Career*

11:30 am – 12:30 pm      Historical Video Presentation and Lunch

12:30 pm – 2:30 pm      **Special Scientific Panel Session – Future Technology**  
*Moderators: David Fitzgerald, Mellissa Duarte*

*AI and Simulation - Dr. Marc Dickstein  
AI and Apps - Dr. Zain Khalpey  
AI-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 Video 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.*

**Friday, February 7<sup>th</sup>, 2025**

7:00 am – 7:45 am

Historical Video Presentation

7:45 am – 9:45 am

**Special Scientific Panel Session – Pediatrics**

*Moderators: Carmen Giacomuzzi, Isaac 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**

*Shortage Solutions*

*Everything ECMO*

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*

**Saturday, February 8<sup>th</sup>, 2025**

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

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**

*Pediatrics*

*AI in Perfusion*