

**44th Annual Seminar of The American Academy of  
Cardiovascular Perfusion - Webcast**  
**February 2-4, 2023**  
**(Tentative Program)**

**Thursday, February 2, 2023**

7:00 AM – 8:00 AM Historical Video Presentation

8:00 AM – 09:30 AM

**Scientific Paper Session**

LONG-TERM QUALITY OF LIFE AFTER ECMO SURVIVAL  
Kaitlin Bannon

DYNAMIC FILLING INDEX FOR ASSESSMENT OF CARDIAC LOAD-  
RESPONSIVENESS IN VENO-ARTERIAL EXTRACORPOREAL LIFE SUPPORT  
PATIENTS: A CASE SERIES  
Youri Cornelisse, Patrick W. Weerwind, Martine E. Bol, Antoine P. Simons

EFFECT OF GEOGRAPHY ON THE USE OF ULTRAFILTRATION DURING CARDIAC  
SURGERY WITH CARDIOPULMONARY BYPASS  
Kirti P. Patel, Alfred H. Stammers, Eric A. Tesdahl, Linda A. Mongero, Scott R.  
Beckmann, Jeffrey B. Chores, Jennifer Baeza, Brooke Wilcox, Craig M. Petterson,  
Michalis Varsamis, Michael S. Firstenberg, Jeffrey P. Jacobs

REDOSING OF SINGLE SHOT CARDIOPLEGIC SOLUTIONS IN ADULT CARDIAC  
SURGERY REQUIRING PROLONGED AORTIC CROSS-CLAMP: A Comparative  
Study  
Serdar Gunaydin, MD, PhD and Kevin McCusker, CCP, PhD

A NOVEL APPROACH TO RETROGRADE AUTOLOGOUS PRIMING FOR INFANT,  
PEDIATRIC AND ADULT POPULATIONS UNDERGOING CONGENITAL HEART  
SURGERY  
Joseph Deptula, MS-P, CCP, FPP, Vincent Olshove, CCP, FPP, Molly Oldeen, MBA,  
CCP, FPP, Deborah Kozik, DO, Bahaaldin Alsoufi, MD

9:30- AM – 11:30 AM

**Fireside Chat**

*Everything ECMO*

11:30AM - 1:00PM

Lunch (Historical Video Presentations)

1:00 PM – 3:00 PM

**Special Scientific Panel Session**

- *Using Machine Learning to Improve Best Practice Compliance –  
David M Hammill CCP*
- *Human Factors in Perfusion - Connor Lusk, PhD*
- *Recruitment, Retention, and Leadership Strategies - Sean Ging, MBA*
- *The Use Of Technology To Drive Quality Improvement, Reduce  
Variability, And Build Stronger Teams – James Beck, CCP*
- *Panel Discussion*

3:00 PM – 3:30PM

Break (Historical Video Presentation)

3:30 PM – 5:30 PM

**Special Scientific Panel Session**

- *Adult and Pediatric ECMO simulation/education - David Fitzgerald, CCP*
- *ECPR in Pediatrics - Melania Maria Bembea, MD, PhD, MPH*
- *Cardiohelp Oxygenator Longevity – Thomas Preston, CCP*
- *CTEPH – Surgical Correction - Daniel Tang, MD*
- *Panel Discussion / Questions*

## Friday, February 3, 2023

7:00 AM – 8:00 AM

Historical Video Presentation

8:00 AM – 9:30 AM

### Scientific Paper Session

PREVENTION AND MANAGEMENT OF RIGHT VENTRICULAR FAILURE AFTER LEFT VENTRICULAR ASSIST DEVICE IMPLANTATION: PLANNED VERSUS UNPLANNED BIVENTRICULAR SUPPORT

Brianna Burns

A QUALITY IMPROVEMENT INITIATIVE TO INCREASE ADULT ECMO DECISION-MAKING ABILITIES IN A PERFUSION EDUCATION PROGRAM: THE USE OF 3D ECMO SIMULATION

Angela McIntyre, Garrett Schroder, Adannaya Amadi, Michael Jimenez, John Marflak, Laura Dell'Aiera, David Fitzgerald

ESTABLISHMENT OF A NATIONAL QUALITY IMPROVEMENT PROGRAM ON OXYGEN DELIVERY INDEX CARDIOPULMONARY BYPASS

Alfred H. Stammers, Jeffrey B. Chores, Eric A. Tesdahl, Kirti P. Patel, Jennifer Baeza, Matthew S. Mosca, Michalis Varsamis, Craig M. Petterson, Michael S. Firstenberg, Jeffrey P. Jacobs

NORMALIZING ANTI-THROMBIN III FOR HEPARIN MANAGEMENT DURING ROUTINE CARDIOPULMONARY BYPASS FOR CONGENITAL CARDIOTHORACIC SURGERY: A SINGLE INSTITUTION PRACTICE REVIEW

Joseph Deptula, MS-P, CCP, FPP, Vincent Olshove, CCP, FPP, Molly Oldeen, MBA, CCP, FPP, Deborah Kozik, MD, Bahaaldin Alsoufi, MD

IS CARDIOPLEGIA SYSTEM PRESSURE THE OPTIMAL MEASURE OF CORONARY PERFUSION DURING ANTEGRADE CARDIOPLEGIA DELIVERY?

Allison Treanor, Peter Maggs, Patrick Treanor, Kevin Lilly, Vladimere Birjiniuk

9:30- AM – 11:30 AM

### Fireside Chat

*Pediatrics*

11:30AM - 1:00PM

Lunch (Historical Video Presentations)

1:00 PM – 2:45 PM

### Special Scientific Panel Session - *Enhancing Patient Safety/Quality*

- *Evidence Base for ECMO: Neonatal and CESAR Trials* - Giles Peek, MD

- *Neurologic Injury, Neuromonitoring and Neurologic Outcomes After ECMO in Pediatrics* - Melania Maria Bembea, MD, PhD, MPH

- *Elephant(s) in the ECMO Room* - Giles Peek, MD

- *Panel Discussion*

2:45 PM – 3:15PM

Break (Historical Video Presentation)

3:15 PM – 5:00 PM

### Memorial Session

Introduction – *William Riley, CCP*

Charles C. Reed Memorial Lecture

*Reflections on Cardiac Surgery after Forty Years in Practice - Constantine Athanasuleas, MD, FACC*

Thomas G. Wharton Memorial Lecture (*Justin Resley, CCP, MM*)

## Saturday, February 4, 2023

7:00 AM – 8:00 AM Historical Video Presentation

8:00 AM – 9:30 AM

### Scientific Paper Session

VENO-VENOUS VS. VENO-ARTERIAL CANNULATION STRATEGIES IN EXTRACORPOREAL MEMBRANE OXYGENATION FOR TREATMENT OF NEONATAL RESPIRATORY DISEASE  
Joshua Fine

PRIMARY GRAFT DYSFUNCTION IN DONATION AFTER CIRCULATORY DEATH (DCD) ORTHOTOPIC HEART TRANSPLANTATIONS: A STUDY OF PROCUREMENT STRATEGIES AND HOW THEY COMPARE TO CONVENTIONAL DONATION AFTER BRAIN DEATH (DBD) TRANSPLANTS  
Nathan Pagano

SURVEY OF THE USE OF PERFUSION ASSISTANTS IN U.S. BASED CARDIAC SURGICAL PROGRAMS  
William Rodell, Caleb Stuart, Jacob Phillips, John Marflak, Laura Dell'Aiera, David Fitzgerald

COVID-19 AND ECMO THERAPY: THE RELATIONSHIP BETWEEN COAGULATION MANAGEMENT, THROMBOTIC COMPLICATIONS, AND MORTALITY - IS STANDARDIZATION NEEDED?  
Beltran M, Heard-Tate C, Stanger A, Smego D

9:30 AM – 10:00 AM

Break (Historical Video Presentation)

10:00 AM – 11:30 AM

### Special Scientific Panel Session

- *A New Operation That Delivers Living and Growing Valves: The First Human Partial Heart Transplants* - Joseph W. Turek, MD, PhD, MBA
- *Partial Transplantation* – T. Konrad Rajab, MD
- *Massive Air Embolism Case Report*, Jillian Holler, MS, CCP
- *Panel Discussion / Questions*

11:30 AM – 1:00 PM

Lunch (Historical Video Presentations)

1:00 PM – 3:00 PM

### Special Scientific Panel Session

- *ph Stat and Selective Cerebral Perfusion* - Isaac Chinnappan, MS, CCP, LCP, CPBMT, CPBMS, CES-A, FPP, FAACP
- *Transapical Cannulation for Mechanical Circulatory Support*  
- Ramesh Singh, MD, MRCS, FACS, FACC
- *Transplant or VAD?* – Katherine Klein, MD
- *Changing Bypass Systems*, John Holler, CCP, MS
- *Panel Discussion / Questions*

3:00 PM – 5:00 PM

### Fireside Chat

*Dealing with stress, finding work/life balance, team building and communication*