

**44th Annual Seminar of The American Academy of
Cardiovascular Perfusion
The Desoto Savannah
15 East Liberty Street, Savannah, Georgia
February 1-4, 2023
(Tentative Program)**

Wednesday, February 1, 2023

11:00 AM – 4:00 PM	REGISTRATION
3:30 PM - 4:00 PM	Opening Business Meeting <i>Fellow, Member, Senior and Honorary Members</i>
4:00 PM – 7:00 PM	Manufacturers' Breakout Rooms <i>Abbott</i> <i>Spectrum Medical</i>

Thursday, February 2, 2023

7:00 AM	REGISTRATION
7:00 AM – 8:00 AM	Video Presentations
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 Chats <i>Everything ECMO</i> <i>Myocardial Preservation from the OR to DCD</i> <i>Pediatrics</i> <i>Perfusion Accidents</i> <i>Student Only Forum</i>
11:30AM - 1:00PM	Lunch (Vendor Speaker Option)

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

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*

06:00PM

Sponsor's Hands-On Workshop & Reception

Friday, February 3, 2023

7:00 AM

REGISTRATION

7:00 AM – 8:00 AM

Video Presentations

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 Chats

Pediatric ECMO

Pediatrics

Simulation: From Low to High Fidelity

What they didn't teach us in school.

Women in Perfusion

11:30AM - 1:00PM	Lunch (Historical Videos)
1:00 PM – 2:45 PM	Special Scientific Panel Session - <i>Enhancing Patient Safety/Quality</i> - 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
3:15 PM – 5:00 PM	Memorial Session Introduction – William Riley, CCP Charles C. Reed Memorial Lecture <i>Reflections on Cardiac Surgery after Forty Years in Practice - Constantine Athanasuleas, MD, FACC</i> Thomas G. Wharton Memorial Lecture (<i>Justin Resley, CCP, MM</i>)
6:30 PM	Induction Dinner <i>All Attendees and Guests</i>

Saturday, February 4, 2023

7:00 AM	REGISTRATION
7:00 AM – 8:00 AM	Video Presentations
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 NON-PULSATILITY VS. PULSATILITY AND ACUTE KIDNEY INJURY Esteban Lopez 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
9:30 AM – 10:00 AM	Break
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 Videos)

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 Chats

Dealing with stress, finding work/life balance, team building and communication
ECMO and VAD challenges: scenarios and transports
Electronic Medical Records: The good, the bad, and the glitchy
Industry and CCP

5:00 PM

Closing Business Meeting

Fellow, Senior and Honorary Members Only