

**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

Fellow, Member, Senior and Honorary Members

4:00 PM – 7:00 PM

Manufacturers' Breakout Rooms

Medtronic (Lafayette Suite)

Advances in ECLS and Blood Management

Medtronic hands-on engagement with ECLS Cannula, Nautilus™

Smart Oxygenator and autoLog IQ™

Quest Medical, Inc.(Chippewa Suite)

The Masters in Myocardial Protection

Spectrum Medical (Monterey Suite)

Quantum Perfusion with Spectrum Medical

Thursday, February 2, 2023

7:00 AM – 8:00 AM

Video Presentations

8:00 AM – 09:30 AM

Scientific Paper Session

Moderators: Keith Bryant, William Riley

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

Everything ECMO

Myocardial Preservation from the OR to DCD

Pediatrics

Perfusion Accidents

Student Only Forum

11:30AM - 1:00PM

Lunch (Speaker)

Perfusion Retirement: There's No Bypassing That!

John Bruno

Northwestern Mutual

1:00 PM – 3:00 PM

Special Scientific Panel Session

Moderators: Carmen Giacomuzzi, Amy Ging, Mat Tyndal

- *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

Moderators: Tami Rosenthal, Desiree Bonadonna

- *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

Moderators: Joshua Walker, Hannah Gray

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 - *Enhancing Patient
Safety/Quality***

Moderators: Allison Weinberg, Nicole Michaud

- *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

Moderator: William Riley

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*)

6:30 PM

Induction Dinner

All Attendees and Guests

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

Moderators: Edward Darling, John St. Onge

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

10:00 AM – 11:30 AM

Special Scientific Panel Session

Moderators: David Fitzgerald, Anthony Evangelista

- *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

Moderators: Thomas Klein, Emily Kahring

- *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