

41st Annual Seminar of The American Academy of Cardiovascular Perfusion Webcast

Grand Sierra Resort
2500 East Second Street
Reno, Nevada
February 6-8, 2020

Thursday, February 6, 2020

- 7:00 AM – 7:45 AM Historical Presentation: Women in Perfusion
Moderated by Steven Sutton
- 7:45 AM – 09:30 AM Scientific Paper Session
- ANALYSIS OF HEPARIN DOSE RESPONSE TEST TO IMPROVE QUALITY OF AN INDIVIDUALIZED HEPARIN MANAGEMENT
Min-Ho Lee and William Riley, Massachusetts General Hospital, Boston, MA
Sponsored by William Riley
- ANTITHROMBIN SUPPLEMENTATION TO CORRECT HEPARIN RESISTANCE IN ADULT PATIENTS UNDERGOING CARDIAC SURGERY WITH CARDIOPULMONARY BYPASS
Alfred H. Stammers, Randi Miller, Anthony Nostro, Eric A. Tesdahl
SpecialtyCare, Brentwood, TN and Lehigh Valley Hospital-Pocono, East Stroudsburg, PA
Sponsored by Alfred Stammers
- OSMOTIC DIURETICS VS. LOOP DIURETICS AND EFFECTS ON FLUID BALANCE AND FILTRATION OF HEPARIN DURING CARDIOPULMONARY BYPASS SURGERY
Claire Patrizz, Quinnipiac University, Hamden, CT
Sponsored by Michael Smith
- COMPARISON OF FOUR ACTIVATED CLOTTING TIME DEVICES DURING CARDIAC SURGERY
Han Li, Cyril Serrick, Vivek Rao, Paul M Yi, University Health Network, Toronto, Ontario, CANADA
- PERFUSION INTRAOPERATIVE NON-TECHNICAL SKILLS (PINTS)
William Riley, David Fitzgerald
- 9:30- AM – 11:30 AM Fireside Chats
ECMO: Starting, Maintaining and Growing a Program (Webcast also)
- 11:30AM - 1:00PM Lunch
- Historical Presentation: Three Firsts: Women Pioneers in American Surgery - *Moderated by Steven Sutton*
- 1:00 PM – 3:00 PM Special Scientific Panel Session
- Extracorporeal Life Support**
Moderators: Allison Weinberg, Emily Kahring
- Pumpless ECMO Bridge to Transplant: A Case Report: *Dorothy Garbin*
- EROCA Trial / ECPR: *Sage Whitmore, MD*
- Simulation Model for ECMO: *Sage Whitmore, MD*
- Venting the LV on ECMO: *Chloe Choi*
- Cleaning Out the Arterial Cannulas: *Kevin Charette*
- Panel Q&A

3:00 PM – 3:30PM

Break

Historical Presentation: History of Women in Surgery
Moderated by Steven Sutton

3:30PM – 5:30PM

Special Scientific Panel Session

Hot Topics and Current Trends

Moderators: Edward Delaney, Carmen Giacomuzzi

Double Lung Transplants: *Mat Tyndal*

Terumo/Sarns Fellowship Experience: *Ashleigh LeBlanc*

What's Up with Perfusion? Seeing Beyond the Emperor's New
Clothes: *Al Stammers*

Transmedics: *Kristina Iwai*

Quantum QA/QI Initiatives/Best Practices: *James Beck*

Panel Q&A

Friday, February 7, 2020

7:00 AM – 7:45 AM

Historical Presentation: Never Judge A Book By Its Cover: Nor the
People - *Moderated by Steven Sutton*

7:45 AM – 9:30 AM

Scientific Paper Session

THE DEVELOPMENT OF A NATIONAL QUALITY PROGRAM FOR EXTRACORPOREAL
MEMBRANE OXYGENATION

LB Mongero, AH Stammers, A Stasko, EA Tesdahl, SpecialtyCare, INC, Nashville, TN
Sponsored by Linda B. Mongero

PERIPHERAL VENO-ARTERIAL EXTRACORPOREAL MEMBRANE OXYGENATION:
DISTAL PERFUSION CANNULATION COMPLICATION

Christine Chan, James Beck, Kenmond Fung, Hiroo Takayama, Koji Takeda
New York Presbyterian Columbia University Medical Center, New York, NY
Sponsored by Kenmond Fung

HOW DOES CONTINUOUS MONITORING OF TIME-DOSE RESPONSE OF OXYGEN
DELIVERY AFFECT PERFUSIONIST PERFORMANCE ON CARDIOPULMONARY
BYPASS?

Patton-Rivera K, Beck J, Fung K, Apsel-Mulin D, De Bois WD, George I
New York Presbyterian – Columbia University Medical Center, New York, NY
Sponsored by Dana Apsel-Mulin

“IS 300 ENOUGH?” A PRACTICAL INSIGHT INTO AORTIC ROOT VENTING AND
EFFECTIVE DE-AIRING.

Nicholas Trafford (*DSci, ACP, LCCP*)

Essex Cardio-Thoracic Centre, Basildon University Hospital, Basildon, United Kingdom

STERILITY AND PERFORMANCE OF OPEN AND CLOSED EXTRACORPOREAL
CIRCUITS AFTER LONG-TERM DRY AND WET SETUPS

Joseph Deptula, MPS, CCP¹, Catrina McGrath, CCP², Thomas Preston, CCP³, Hayden Miller,
CCP³, Bianca Yen, CCP², Lenny Munari, CCP², Shaun P. Setty, MD²

¹ Department of Pediatric Cardiac Surgery, Levine Children's Hospital, Charlotte, NC

² Department of Pediatric and Adult Congenital Cardiac Surgery, MemorialCare Heart and
Vascular Institute, Long Beach, CA

³ Innovative ECMO Concepts Inc, Arcadia, OK

Sponsored by Joseph Deptula

9:30- AM – 11:30 AM	Fireside Chats <i>Blood Conservation and Transfusion Triggers (Webcast also)</i>
11:30AM - 1:00PM	Lunch Historical Presentation: The Black Experience: Dr. Daniel Hale Williams - <i>Moderated by Steven Sutton</i>
1:00 PM – 3:00 PM	Special Scientific Panel Session Heart Matters: Life Beyond the Pump Run <i>Moderators: Carmen Giacomuzzi, William Riley</i> Motivational Speaker: Craig Cunningham The Heart of the Matter: A parent's perspective on raising a child with HLHS: <i>Aimee Mooney, OT, Assistant Professor</i> Integrated Life Skills for Creating Resilience to Burnout and Reconnecting with Joy in your Personal and Professional Life: <i>Ross Ungerleider, MD and Jamie Dickey Ungerleider, PhD</i> Panel Q & A
3:00 PM – 3:30PM	Break Historical Presentation: The Black Experience - Dr. Charles Drew <i>Moderated by Steven Sutton</i>
3:30 PM – 5:30 PM	Memorial Session Charles C. Reed Memorial Lecture (<i>Ross Ungerleider, MD</i>) Thomas G. Wharton Memorial Lecture (<i>Carmen Giacomuzzi, CCP</i>) In Memorium - Aaron G. Hill

Saturday, February 8, 2020

7:00 AM – 7:45 AM	Historical Presentation: History of Cardiac Trauma <i>Moderated by Steven Sutton</i>
7:45 AM – 9:30 AM	Scientific Paper Session DOES CARDIOPLEGIA PROVIDE CARDIAC PROTECTION BY INDUCING Nf-E2 RELATED FACTOR-2 (Nrf2)? Hongting Diao ¹ , Wujing Dai ² , Raymond Wong ³ , Qin Chen ⁴ ¹ Perfusion Sciences Graduate Program, Department of Pharmacology, College of Medicine, The University of Arizona, Tucson, AZ 85724 ² Department of Pharmacology, College of Medicine, The University of Arizona, Tucson, AZ ³ Perfusion Sciences Graduate Program, Department of Pharmacology, College of Medicine, The University of Arizona, Tucson, AZ 85724 ⁴ Department of Pharmacology, College of Medicine, The University of Arizona, Tucson, AZ THE EFFECTS OF CARDIOPLEGIA ON NON-DIABETIC PATIENT GLUCOSE LEVELS Caitlin Murdock, Quinnipiac University, Hamden, CT Sponsored by Michael Smith ESTIMATED QUANTIFICATION AND SCIENTIFIC JUSTIFICATION OF THE USAGE OF FRESH FROZEN PLASMA AND HYPERTONIC ALBUMIN DURING CARDIOPULMONARY BYPASS IN NEONATES AND INFANTS Isaac Chinnappan, MS, CCP, LCP, FPP, CPBMT, CPBMS

Monroe Carell Jr. Children's Hospital at Vanderbilt, Nashville, TN
Sponsored by Isaac Chinnappan

A SINGLE INSTITUTION CARDIAC INITIATIVE TO CUT BLOOD USE DURING CARDIAC SURGERY

Charles Krumholz
University of Vermont Medical Center, Burlington, VT
Sponsored by Christine Clay

PULSATILE VS. NON-PULSATILE FLOW DURING CARDIOPULMONARY BYPASS

Stephanie Gayeski, Quinnipiac University, Hamden, CT
Sponsored by Molly Bryant

A SURVEY OF PERFUSIONISTS' COMMUNICATIONS DURING CRITICAL EVENTS

Emilianna Landry, Adam Murphy, and Peyton Higgins, David C. Fitzgerald, Joseph J. Sestino,
Medical University of South Carolina, CVP Program, Charleston, SC
Sponsored by David Fitzgerald
Presenter: Adam Murphy

9:30 AM – 10:00 AM

Break

Historical Presentation: Mitral Valve Repair - Dr. Alain Carpentier
Moderated by Steven Sutton

10:00 AM – 12:00 PM

Special Scientific Panel Session

Industry Partners: "Past, Present, and Future"

Moderators: Richard Melchior, Giovanni Cecere

Edwards
LivaNova
Medtronic
Spectrum Medical
Terumo
Panel Q&A

12:00 PM – 1:00 PM

Lunch

Historical Presentation: Development of Mechanical Heart Devices -
Dr. Michael DeBakey - *Moderated by Steven Sutton*

1:00 PM – 3:30 PM

Special Scientific Panel Session

Complex Congenital Heart Surgery

Moderators: Tami Rosenthal, Alex Gum

Clampless Cardioplegia: *Thomas Klein*

Case Report; Gunshot to the Heart: *D. Brad Sanders*

Circuit Miniaturization; Is it Worth the Effort: *D. Scott Lawson*

Cord Blood: Possibilities and Challenges: *Bharat Datt*

Antifibrinolytics for Pediatrics: *Isaac Chinnappan*

Panel Q & A

3:30 PM – 5:30 PM

Fireside Chats

Pediatrics (Webcast also)