



# 42nd Annual Seminar of The American Academy of Cardiovascular Perfusion: A Virtual Event

## February 6-13, 2021

*(All times are Eastern Standard Time.)*

*This year's virtual meeting will consist of six blocks. Each block will include presentations on a specific topic followed by discussion. Each block will also include some "Fireside Chats". Attendees will be able to register for each block individually or the entire meeting. Each block will be awarded Category I CEUs. Saturday, February 13<sup>th</sup> will be a multi-disciplinary day offering continuing education credits for nurses and respiratory therapists. The entire meeting has been awarded 31.2 Category I CEUs by the American Board of Cardiovascular Perfusion.*

### **Tentative Schedule**

#### **Part #1 - Saturday, February 6, 2021 (8:30 AM - 12:30 PM) – 4.8 CEUs**

##### ***Non-Technical Aspects of Perfusion***

***Moderators: Molly Bryant and Edward Delaney***

- 8:30 - 8:50 AM      *American Board of Cardiovascular Board Report*  
Brad Kulat, CCP, Ann & Robert Lurie Children's Hospital of Chicago, Chicago, IL, President ABCP
- 8:50 – 9:10 AM      *Heart Surgery, What Does it Really Cost?*  
Kainat Ayub, Rush University Perfusion Student, Chicago, IL
- 9:10 – 9:30 AM      *The Effect of COVID on Perfusion Students and New Graduates*  
Molly Bryant CCP, MHA, FPP, Mayo Clinic, Rochester, MN
- 9:30 - 9:55 AM      **Special Panel**  
*How Can Team Communication Improve Patient Care? Using IT Solutions and Dashboards*  
James R. Beck, MPS, CCP, LP, Director, Clinical Perfusion & Anesthesia Support Services, New York Presbyterian Hospital, Columbia University Irving Medical Center, Morgan Stanley Children's Hospital of New York, MSCHONY
- 9:55 - 10:20 AM      *Validation of the Perfusionists' Intraoperative Non-Technical Skills (PINTS) Tool*  
Roger Daglius Dias, MD, MBA, PhD  
Director of Research & Innovation, Director of the Medical Simulation Fellowship - Human Factors & Cognitive Engineering Lab  
STRATUS Center for Medical Simulation, Brigham Health, Boston. MA
- 10:20 - 10:45 AM      *The Just Culture of Shared Accountability*  
David Fitzgerald, CCP, MPH, DHA, Program Director, MUSC Perfusion School, Charleston, SC
- 10:45 - 11:10 AM      *Perfusionist Liability*  
John P. Puleo, Esq., Hamel Marcin Dunn Reardon & Shea, P.C., Boston, MA

11:10 - 11:30 AM Panel Discussion

11:30AM - 12:30 PM Fireside Chats  
Choice #1 – Clinical Instructor’s Forum  
Brian Schwartz, Joseph Sistino, David Fitzgerald  
Choice #2 – Pediatrics  
Tami Rosenthal, Brad Kulat, David Boyne

**Part #2 - Saturday, February 6, 2021 (1:00 PM – 5:00 PM) – 4.8 CEUs**

***Blood***

***Moderators: Michael Smith and Christine Chan***

**Special Panel**

1:00 - 1:25 PM *Cellular Response to CPB: Clinical Relevance*  
Harvey Rinder, MD, Professor of Medicine (Hematology) and Laboratory Medicine, Yale School of Medicine, New Haven, CT

1:25 - 1:50 PM *Can Automated Data Acquisition Assist Clinicians in Oxygen delivery on CPB? Help your patients!, DO2i & TDR*  
Christine Chan, CCP, LP, New York Presbyterian Hospital, Columbia University Irving Medical Center, New York, NY

1:50 - 2:15 PM *ACP and RCP for Valve Sparing Root Hemiarch Procedure: Tips and Tricks*  
Edward DeLaney MS, MBA, LP, CCP and Derek Brinster MD, Center for Aortic Surgery, Northwell Health, Lenox Hill Hospital, Hofstra Cardiovascular Science and Perfusion Medicine Program, NY

2:15 - 2:40 PM *Nitric Oxide on Cardiopulmonary Bypass*  
Lorenzo Berra, MD, Department of Anesthesia, Critical Care and Pain Medicine, Massachusetts General Hospital, Boston, MA

2:40 – 3:00 PM Panel Discussion

3:00 – 4:00 PM Fireside Chats  
Choice #1 – Blood Conservation  
Killian Patton, Ed Delaney, Katie Gray  
Choice #2 – Perfusion Accidents  
Larry Garrison, Katie Moraglia, Jimmy Beck

4:00 – 4:20 PM *Comparison of Del Nido to Blood Cardioplegia in Adults and Pediatrics*  
Brian Lester, RN – Quinnipiac University Perfusion Student, Hamden, CT

4:20 – 4:40 PM *The Assessment of Patients Undergoing Cardiac Surgery for COVID-19*  
Al Stammers - MSA, PBMS, CCP Emeritus Vice President, Clinical Quality and Outcomes Research, SpecialtyCare INC, Brentwood, TN

4:40 – 5:00 PM *Meta-Analysis on ANH & RAP on Reducing Allogeneic Blood Transfusions*  
Maria Plomondon – Quinnipiac University Perfusion Student, Hamden, CT

**Part #3 - Tuesday, February 9, 2021 (5:30 PM – 10:30 PM) – 6.0 CEUs**

***Conduct of Research***

***Moderators: Edward Darling, Joshua Walker and Kevin Charette***

5:30 PM - 5:50 PM *Faculty: ECMO Education in a Perfusion Program (Program Perspective)*  
Edward M. Darling, MS, LP, CCP, Associate Professor, Department of Cardiovascular Perfusion, SUNY Upstate Medical University, Syracuse, NY

5:50 – 6:10 PM *Student Perspective of ECMO Capstone Experience*  
Michael Wynn, Alex Taylor, Jamie Jordan, SUNY Perfusion Students, Syracuse, NY

6:10 – 6:30 PM *Myocardial Protection Comparing Warm and Cold Cardioplegia Delivery Methods*  
Nathan Minie, Quinnipiac University Graduate Student, Hamden, CT

***Special Panel***

6:30 - 6:55 PM *Isolated Heart Perfusion*  
Tony Calhoun, CCP, Massachusetts General Hospital, Boston, MA

6:55 - 7:20 PM *Trials and Tribulations of Research: The Good, the Bad and the Terrible*  
Al Stammers – MSA, PBMS, CCP Emeritus Vice President, Clinical Quality and Outcomes Research, SpecialtyCare INC, Brentwood, TN

7:20 - 7:45 PM *Research Collaborations*  
Nitin A. Das, MD, Instructor/Research with UTHealth San Antonio Long School of Medicine, San Antonio, TX

7:45 - 8:10 PM *The Processes and Pitfalls of Peer-Review and Publication*  
Mark Kurusz, CCP Emeritus and John Toomasian, MS, CCP, *Perfusion Journal* Associate Editors

8:10 - 8:30 PM *Panel Discussion*

8:30 - 9:30 PM *Fireside Chats*  
Choice #1 – Myocardial Protection  
Bill Nicotra, Greg Smigla, Isaac Chinnappan  
Choice #2 – Pump On: First Five Years  
Ann Guercio, Allison Weinberg, Christine Pryal  
Choice #3 – Scope of Practice  
Ryan Piech, John Toomasian, Carol Ann Rosenberg

9:30 -9:50 PM *Prophylactic Steroids and SIRS on CPB*  
Stephanie Johnson, Quinnipiac University Perfusion Student, Hamden, CT

9:50 – 10:10 PM *The Development Of A National Quality Program For Extracorporeal Membrane Oxygenation*  
Linda Mongero, CCP Emeritus, SpecialtyCare, INC, Brentwood, TN

10:10 – 10:30 PM *History of Pandemics – Epidemics: Innovative Responses*  
Steven Sutton, CCP, Wichita Falls, TX

**Part #4 - Thursday, February 11, 2021 (5:30 PM – 10:30 PM) – 6.0 CEUs**

***Outside the Box***

***Moderators: Killian Patton Rivera and Allison Weinberg***

- 5:30 - 5:50 PM *Preliminary Report of the 2020 Organ Care System Workforce Survey*  
Blaine Johnson, MBA, CCP, LP, University of Chicago, Chicago, IL
- 5:50 – 6:10 PM *Surgical Awareness in LVAD Procedures*  
Craig Haug, CVP Student, Rush University, Chicago, IL
- 6:10 – 6:30 PM *Conventional Ultrafiltration Versus Diuretic Use with Cardiopulmonary Bypass and Postoperative Outcomes: A Meta-Analysis of Literature Reviews*  
Jennifer L. Pierce BSN, RN, Quinnipiac University Perfusion Student, Hamden, CT
- Special Panel**
- 6:30 - 6:55 PM *Managing ECMO Catastrophes on the Road and in the Air*  
Rachel Gambino, CCP, Duke University Medical Center, Durham, NC
- 6:55 - 7:20 PM *NYC Covid-19 Experience*  
Nicholas Mellas, CCP, Montefiore Medical Center, New York, NY
- 7:20 - 7:45 PM *Pediatric ICU Resuscitation*  
Tia Tortoriello Raymond, MD, FAAP, FAHA, Pediatric Cardiac Intensivists of North Texas, PLLC, Medical City Children's Hospital, Dallas, TX
- 7:45 - 8:10 PM *CPB to ECMO Simulation: A Multi-Disciplinary Handoff*  
Greg MacLean, CCP, David Sturmer, CCP Gretchen Lawson, CCP, Killian Patton-Rivera, CCP, University of Michigan, Ann Arbor, MI
- 8:10 - 8:30 PM Panel Discussion
- 8:30 - 9:30 PM Fireside Chats  
Choice #1 – Pediatrics  
Ashleigh LeBlanc, Ally Aquino, Justin Sleasman  
Choice #2 – Simulation  
Gio Cecere, Joe Catricella, Robin Sutton  
Choice #3 – Students Only Forum  
Molly Bryant, Josh Walker, Rich Melchior
- 9:30 - 9:50 PM *Meta-Analysis on the Clinical Benefits of Miniaturized Extracorporeal Circuits Compared to Conventional Cardiopulmonary Bypass and Off-Pump Coronary Artery Bypass*  
Herson Hernandez, Quinnipiac University Perfusion Student, Hamden, CT
- 9:50 - 10:10 PM *Comparing Hydroxocobalamin and Methylene Blue in the Treatment of Vasoplegic Syndrome*  
Kathryn Cirillo, Quinnipiac University Perfusion Student, Hamden, CT
- 10:10 – 10:30 PM *Innovation and Our Historical Past*  
Steven Sutton, CCP, Wichita Falls, TX

**Part #5 - Saturday, February 13, 2021 (8:30 AM – 12:30 PM) Multi-disciplinary Day – 4.8 CEUs**

**ECMO**

**Moderators: Kirti Patel, Greg Smigla and Adam Fernandez**

- 8:30 - 8:50 AM *Extracorporeal Cardiopulmonary Resuscitation: From Cannulation to Home*  
Nicholas Mesisca BSN, RN, CCRN, Thomas Jefferson University, Perfusion & Extracorporeal Technology Program, Philadelphia, PA
- 8:50 – 9:30 PM *Debate: COVID-19 Respiratory Failure: Just Treat it like ARDS*  
Craig Rackley, MD and Anne Matthews, MD, Duke University Medical Center, Durham, NC
- Special Panel**
- 9:30 - 9:55 AM *ECMO Lessons Learned During COVID-19 Experience*  
Gary Schwartz, MD, Director, Extracorporeal Membrane Oxygenation Program, Department of Thoracic Surgery & Lung Transplantation, Baylor University Medical Center, Dallas, TX
- 9:55 - 10:20 AM *ELSO Supplies Platform: ECMO Equipment Sharing Made Easy*  
Justin Sleasman CCP, MS, FPP, Lucile Packard Children's Hospital, Stanford, CA, Perfusion Liaison to ELSO
- 10:20 - 10:45 AM *Nitric Oxide for COVID-19*  
Lorenzo Berra, MD, Department of Anesthesia, Critical Care and Pain Medicine, Massachusetts General Hospital, Boston, MA
- 10:45 - 11:10 AM *Quality in Perfusion: Hard to Define But I Know It When I See It*  
Al Stammers – MSA, PBMS, CCP Emeritus, Vice President, Clinical Quality and Outcomes Research, SpecialtyCare INC, Brentwood, TN
- 11:10 - 11:30 AM Panel Discussion
- 11:30 AM - 12:30 PM Fireside Chats  
Choice #1 – ECMO Scenarios and Transports  
Tom Preston, Chloe Choi, David Palmer  
Choice #2 – EMR  
Kevin Charette, Mike Brewer, Al Stammers  
Choice #3 – Pediatric ECMO  
Joey Timpa, Dafne Chianella, Adam Fernandez

**Part #6 - Saturday, February 13, 2021 (1:00 PM – 5:00 PM) Multi-disciplinary Day – 4.8 CEUs**

**ECMO**

**Moderators: Linda Mongero, Steven Sutton and Jeff Riley**

- Special Panel**
- 1:00 - 1:25 PM *European ECMO Experience With COVID-19*  
Luc Puis, ECCP, Leuven, Belgium.
- 1:25 - 1:50 PM *Future of Pediatric ECMO*  
Timothy M. Crombleholme, MD, Director, Fetal Care Center of Dallas, Medical City Children's Hospital, Dallas, TX

- 1:50 - 2:15 PM      *Massachusetts General Hospital ECMO Cannulation Simulation*  
Sarah Lojovich, MS, CCP, LP, ECMO Liaison, MGH Perfusion Service,  
Boston, MA
- 2:15 - 2:40 PM      *Future of ECMO, Where Are Our Challenges? What's New Now and  
What's on the Horizon?*  
James R. Beck, MPS, CCP, LP, Director, Clinical Perfusion & Anesthesia  
Support Services, New York Presbyterian Hospital, Columbia University  
Irving Medical Center, Morgan Stanley Children's Hospital of New York,  
MSCHONY
- 2:40 – 3:00 PM      Panel Discussion
- 3:00 – 4:00 PM      Fireside Chats  
Choice #1 – Dealing with Stress  
                                 Alex Gum, Deb Adams, Ian Shearer, Ann Guercio  
Choice #2 – ECMO: Starting, Maintaining, Growing a Program  
                                 Linda Mongero, Sara Lojovich, Dana Apsel Mullins  
Choice #3 – Everything ECMO: ECMO Scenarios and Transports  
                                 Tom Preston, Chloe Choi, David Palmer
- 4:00 – 4:20 PM      *Goal-Directed Perfusion*  
Steven Sutton, CCP, Wichita Falls Heart Clinic, Wichita Falls, TX
- 4:20 – 5:00 PM      *Debate: ECPR: What Is It Good For?*  
Mani Daneshmand, MD, Emory University School of Medicine, Atlanta, GA  
and Jacob Klapper, MD, Duke University Medical Center, Durham, NC

*We will be using a platform designed for virtual meetings that functions like Zoom, and we are striving to keep the annual symposium "flavor" as much as possible, including fireside chats?*

*You will be charged \$50 for each session that you select or \$300 for the entire meeting (discounted to \$250 until January 15, 2021). Clicking on the session link and entering the meeting, while live and in progress, will be your daily sign-in.*

*On-line registration is available on our website (TheAACP.com). Once you have registered, you will receive the links required to access the sessions that you plan to attend.*

*Since we will be holding a multi-disciplinary day, can you please share meeting notifications with your ECMO colleagues (Nurses - \$75, Respiratory Therapists - \$50).*