

32nd Annual ELSO Conference Agenda

Day 1 - September 30, 2021

All times Eastern US (New York)

9:00 - 9:45 AM

Opening Remarks

9:00 - 9:15 AM

Welcome Remarks (Cara Agerstrand, MD and Matthew Paden, MD)

9:15 - 9:45 AM

Keynote Speaker (John Fraser, MD)

Plenary Session

9:45 - 11:15 AM

ECMO at the Cutting Edge (Moderator: Arthur Slutsky, MD)

9:45 - 10:05 AM

ECMO for COVID-19: What We've Learned (Daniel Brodie, MD)

10:05 - 10:25 AM

Cutting Edge Research in Pediatric ECLS (Anne-Marie Guerguerian, MD, PhD)

10:25 - 10:45 AM

What's New in Adult ECLS Research (Carol Hodgson, PhD, FACP)

10:45 - 11:15 AM

Panel Discussion

11:15 - 11:30 AM

Exhibit Hall and Poster Presentations

11:30 - 12:30 PM

Breakout 1

11:30 - 12:30 PM

Update on COVID-19 (Moderator: Eddy Fan, MD, PhD)

11:30 - 11:42 AM

COVID-19 ARDS: What we've Learned in Lung Biology (Nuala Meyer, MD)

11:42 - 11:54 AM

Approaches to Anticoagulation in COVID-19 (Lisa Baumann Kreuziger, MD)

11:54 - 12:06 PM

The Hidden Injury: COVID-19 Cardiac Dysfunction in Adults (Roberto Lorusso, MD, PhD)

12:06 - 12:18 PM

Sars-CoV-Associated Cardiac Dysfunction in Children (Melania Bembea, MD, MPH, PhD)

12:18 - 12:30 PM

Panel Discussion

11:30 - 12:30 PM

State of the Art in ECPR (Moderator: Susan Joseph, MD)

11:30 - 11:42 AM

Cutting Edge Approach to Resuscitation: Success in ECPR (Demetri Yannopoulos, MD)

11:42 - 11:54 AM

ECPR in Out of Hospital Cardiac Arrest (Jan Belohlavek, MD, PhD)

11:54 - 12:06 PM

Considerations & Challenges in Trial Design in ECPR (Vincent Pellegrino, MD)

12:06 - 12:18 PM

ECMO in the Streets: Citywide Implementation on an ECPR Program (Simon Finney, MBChB FFICM PhD)

12:18 - 12:30 PM

Panel Discussion

11:30 - 12:30 PM

Congenital Diaphragmatic Hernia: Management Approaches (Moderators: Natalie Rintoul, MD, Yigit Guner, MD)

11:30 - 11:40 AM

CDH and the New ELSO Guidelines (Yigit Guner, MD)

11:40 - 11:50 AM

CDH Hemodynamics - Management of Hypotension and Use of Cardiac Ultrasound (Maria Fraga, MD, Neil Patel, MD)

11:50 - 12:00 PM

ECMO in CDH in the Era of Fetoscopic Endoluminal Tracheal Occlusion: Case Presentation (Matthew Harting, MD, MS)

Panel Discussion:

12:00 - 12:30 PM

Oluoyinka Olutoye, MD, PhD, Holly Hedrick, MD, Neil Patel, MD, Maria Fraga, MD

11:30 - 12:30 PM

Contemporary Options in Circuits & Monitoring (Moderators: Justin Sleasman, CCP, Dana Mullin, CCP)

11:30 - 11:42 AM

Perspectives on Equipment Selection: What & Why (Desiree Bonadonna, MPS, CCP)

11:42 - 11:54 AM

Smart Circuits: Advanced Options in Circuit Monitoring (Timothy Maul, CCP, PhD)

11:54 - 12:06 PM

Hemodynamics & Oxygen Delivery: Optimization in Your Patient (Asaad Beshish, MD)

12:06 - 12:18 PM

The Next Frontier in Patient Monitoring and Perfusion: Role of the Microcirculation (Jan Bakker, MD, PhD)

12:18 - 12:30 PM

Panel Discussion

12:30 - 12:40 PM

Exhibit Hall and Poster Presentations

12:40 - 1:40 PM

Exhibit Hall and Poster Presentations, Lunch Break

12:40 - 1:10 PM

Sponsored Talk 1

12:40 - 1:10 PM

Sponsored Talk 2

12:40 - 1:10 PM

Sponsored Talk 3

1:10 - 1:40 PM

Sponsored Talk 4

1:10 - 1:40 PM

Sponsored Talk 5

1:10 - 1:40 PM

Sponsored Talk 6

1:40 - 1:50 PM

Exhibit Hall and Poster Presentations

1:50 - 2:50 PM

Breakout 2

1:50 - 2:50 PM

ECCO2R for Respiratory Failure: Where We Are and Where We're Going (Moderators: Cara Agerstrand, MD, Corey Ventetuolo, MD, MS)

1:50 - 2:02 PM

ECCO2R for Acute Hypercapnic Respiratory Failure: What's the Evidence? (Darryl Abrams, MD)

2:02 - 2:14 PM

ECCO2R for Moderate to Severe ARDS: Ready for Primetime? (James McNamee, FRCA FFICM FCICM)

2:14 - 2:26 PM

High Flow vs. Low Flow ECLS: Safety in ECLS (Christian Karagiannidis, MD)

2:26 - 2:38 PM

Device Development in ECMO: What is on the Market? What do we Need? (Scott Merz, PhD)

2:38 - 2:50 PM

Panel Discussion

1:50 - 2:50 PM

1:50 - 2:02 PM

2:02 - 2:14 PM

2:14 - 2:26 PM

2:26 - 2:38 PM

2:38 - 2:50 PM

Cardiogenic Shock in the Cath Lab (Moderator: Kasia Hryniewicz, MD)

Redefining our Definitions: SCAI Staging System (David Baran, MD)

Cardiac Unloading: Which Method, Which Patients? (Navin Kapur, MD)

Cases in Cardiogenic Shock: Which Device for Which Patient? Case 1 (Ivan Chavez, MD)

Cases in Cardiogenic Shock: Which Device for Which Patient? Case 2 (Allison Hall, MD)

Panel Discussion

1:50 - 2:50 PM

1:50 - 2:00 PM

2:00 - 2:10 PM

2:10 - 2:20 PM

2:20 - 2:30 PM

2:30 - 2:40 PM

2:40 - 2:50 PM

Regulation During ECMO (Moderators: Roger Lewis, Peta Alexander, MBBS)

FDA vs. European Approaches to Medical Device Regulation: Pathways to Indication Labeling (Chris Almond, MD)

Exemplar Adaptive Platform Trial to Inform Regulatory Requirements in Peds/Neo (Peta Alexander, MBBS, Juliana Tolles, MD, MHS)

Regulation from the Perspective of Device Development (Jeremy Kimmel, PhD)

Regulation from the Perspective of the FDA

Can the ELSO Registry be Leveraged to Meet Device Regulation Standards (Ryan Barbaro, MD)

Panel Discussion

1:50 - 2:50 PM

1:50 - 2:02 PM

2:02 - 2:14 PM

2:14 - 2:26 PM

2:26 - 2:38 PM

2:38 - 2:50 PM

Crisis Management & Safety During ECMO (Moderators: Bradley Kuch, RRT, Marta Velia Antonini, RN)

Essential Management of ECMO Crises: What Every Practitioner Needs to Know (Chirine Mossadegh, RN)

Walking Patients, Sweating Bullets: ECMO Safety During PT & Patient Movement (Dana Mullin, CCP)

The ECMO Safety Checklist: Practices from a Busy Center (Leen Vercaemst, CCP)

Simulation Training to Improve ECMO Safety and Outcomes (Simon Sin Wai Ching, MD)

Panel Discussion

2:50 - 3:00 PM

Exhibit Hall and Poster Presentations

3:00 - 4:00 PM

Breakout 3

3:00 - 4:00 PM

How to Breathe: Managing the Lungs During ECMO (Moderator: Darryl Abrams, MD)

3:00 - 3:12 PM

How Low do You Go: Approaches to Ventilator Management During ECMO (Eddy Fan, MD, PhD)

3:12 - 3:24 PM

Optimizing PEEP: High, Low or 10cm H₂O (Sarina Sahetya, MD, MHS)

3:24 - 3:36 PM

The Spontaneously Breathing Patient in ARDS: Plus or Peril (Matthieu Schmidt, MD)

3:36 - 3:48 PM

Finding the Balance: Sedation Strategies for Vent Synchrony without Oversedation (Bhakti Patel, MD)

3:48 - 4:00 PM

Panel Discussion

3:00 - 4:00 PM

Innovations in Cardiac Care (Moderator: Alain Combes, MD, PhD)

3:00 - 3:12 PM

Beyond VA ECMO: Advanced Configurations in Mechanical Circulator Support (Susan Joseph, MD)

3:12 - 3:24 PM

Cannulation Strategies for the Adult Congenital Heart Patient (Giles Peek, MD)

3:24 - 3:36 PM

Awake ECMO in Cardiogenic Shock (Guillaume Lebreton, MD)

3:36 - 3:48 PM

VA ECMO as Bridge to Heart Transplantation: What We've Learned from the New Allocation System (Rebecca Cogswell, MD)

3:48 - 4:00 PM

Panel Discussion

3:00 - 4:00 PM

Hot Topics in Pediatric Cardiac ECMO (Moderator: Shri Deshpande, MD)

3:00 - 3:12 PM

Perioperative Cannulation: Central vs. Peripheral Approach (KatsMaeda, MD, PhD)

3:12 - 3:24 PM

Timing of ECMO Post-Cardiotomy: Early ECMO or Wait and Declare (Mike McMullan, MD, Giles Peek, MD)

3:24 - 3:36 PM

ECMO Weaning in the Cardiac Patient: Readiness & Assessment (Shri Deshpande, MD)

3:36 - 3:48 PM

Long term ECMO or Transition to Circulatory Support ? (Christina VanderPluym, MD)

3:48 - 4:00 PM

Panel Discussion

3:00 - 4:00 PM

Making the Most of the ELSO Registry (Moderator: Ryan Barbaro, MD)

3:00 - 3:12 PM

Using the ELSO Registry for Research (Justyna Swol, MD)

3:12 - 3:24 PM

Outcome Metrics of the ELSO Registry: Practical Use of Peer Group & Scorecard Metrics (Mark Davidson, MD)

3:24 - 3:36 PM

Regulatory Use of the ELSO Registry (Ryan Barbaro, MD)

3:36 - 3:48 PM

Papers from the ELSO Registry (Joseph Tonna, MD, MS)

3:48 - 4:00 PM

Panel Discussion

4:00 - 4:30 PM

Exhibit Hall and Poster Presentations

4:30 - 5:30 PM

Breakout 4

4:30 - 5:30 PM

Challenging Cases in Adult ECMO (Moderators: Erik Osborn, MD, Jenelle Badulak, MD)

4:30 - 4:42 PM

ECMO for Severe Hypothermia (Anna Jarosz, MD)

4:42 - 4:54 PM

Unexpected Challenging Cases (Steven Conrad, MD, PhD)

4:54 - 5:06 PM

ECMO for Overdose: Rescue for Cardiovascular Collapse (E. Wilson Grandin, MD, MPH, MEd)

5:06 - 5:18 PM

ECMO for ARDS with Septic Cardiomyopathy (Nicolas Brechot, MD)

5:18 - 5:30 PM

Panel Discussion

4:30 - 5:30 PM

The Other Ventricle: ECMO in Pulmonary Hypertension and RV Failure (Moderator: Erika Berman Rosenzweig, MD)

4:30 - 4:42 PM

Acute PH and RV Failure: Pathophysiology and Modeling (Daniel Burkhoff, MD, PhD)

4:42 - 4:54 PM

Massive PE: Medical and Mechanical Interventions (Eric Secemsky, MD, MSc)

4:54 - 5:06 PM

Pulmonary Hypertension and Right Heart Failure in ARDS: a Medical Approach to Management (Antoine Vieillard-Baron, MD, PhD)

5:06 - 5:18 PM

RV Failure in ARDS: Strategies for Mechanical Support (Phillip Mason, MD)

5:18 - 5:30 PM

Panel Discussion

4:30 - 5:30 PM

LATAM Session #1 (Moderators: Fernando Antoniali, MD - Brazil, Barbara Cardenas, MD - Mexico)

4:30 - 4:42 PM

Coordinación Nacional para ECMO Covid en Chile (Rodrigo Diaz, MD)

4:42 - 4:54 PM

Experiencia en uso de Oxigenadores de polipropileno en contingencia sanitaria por Covid (Claudia Marcela Poveda Henao, MD)

4:54 - 5:06 PM

Paciente despierto y extubado en ECMO-Covid (Rene D. Gomez, MD)

5:06 - 5:18 PM

Lesion pulmonar por ventilación, modelo animal en ECMO (Alejandro Bruhn, MD)

5:18 - 5:30 PM

Panel Discussion

4:30 - 5:30 PM

Taking Care of the Team, Taking Care the Patients (Moderator: Catherine Hough, MD, MS)

4:30 - 4:42 PM

PTSD and Moral Injury in Critical Care (Grace van Leeuwen, MD)

4:42 - 4:54 PM

Perspectives on ECMO Nursing: What I Want My Team to Know (Jayne Sheldrake, MSc, BSN, RN)

4:54 - 5:06 PM

Providing Support to the Awake Patient & Family (Jo-anne Fowles, MSc, RN)

5:06 - 5:18 PM

Cultivating Resilience in the ICU & ECMO Team (Katherine Porterfield, PhD)

5:18 - 5:30 PM

Panel Discussion

5:30 - 6:30 PM

Award of Excellence, FELS0 and RHB Award - Hosted by Giles Peek, MD, Tracy Morrison MD, Micheal Heard, MD, Matthew Paden and Robert Bartlett, MD

32nd Annual ELSO Conference Agenda

Day 2 - October 1, 2021

All times Eastern US (New York)

Plenary Session

9:00 - 10:30 AM

Innovations in Extracorporeal Organ Support (Moderator: Emily Partridge, MD)

9:00 - 9:15 AM

DCD Heart Recovery: Making the Case for NRP (Ashish Shah, MD)

9:15 - 9:30 AM

Brain Death & Organ Preservation on ECMO (Nathalie Roy, MD)

9:30 - 9:45 AM

Artificial Lungs for Destination Therapy (Keith Cook, PhD)

9:45 - 10:00 AM

Cross Circulation: Old Concept, New Paradigm in Recovery of Organs (Matthew Bacchetta, MD, MBA, MA)

10:00 - 10:30 AM

Panel Discussion

10:30 - 10:40 AM

Exhibit Hall and Poster Presentations

10:40 - 11:40 AM

Breakout 5

10:40 - 11:40 AM

ECMO in Lung Transplantation (Moderator: Marcelo Cypel, MD, MSc, FACS, FRCSC)

10:40 - 10:52 AM

Evaluation of BTT Candidacy: Does Diagnosis Matter in Whether & When to Bridge? (Marie Budev, DO)

10:52 - 11:04 AM

Supporting the RV: Anticipation of Physiologic Needs (VV vs VA, Peripheral vs Central) (Marcelo Cypel, MD, MSc, FACS, FRCSC)

11:04 - 11:16 AM

ECMO in the Post-Transplant Patient (Anil Trindade, MD)

11:16 - 11:28 AM

ECMO as a Bridge to Decision in the Patient with Lung Disease (Maria Crespo, MD)

11:28 - 11:40 AM

Panel Discussion

10:40 - 11:40 AM

ECMO in COVID-19 (Moderator: Graeme MacLaren, MBBS, MSc)

10:40 - 10:52 AM

Awake ECMO for COVID 19 ARDS (Asif K. Mustafa, MD, PhD)

10:52 - 11:04 AM

Should ECMO for COVID-19 be Offered as ECPR? (Susan Price, MD)

11:04 - 11:16 AM

ECMO for COVID-19 in the Pediatric Patient (Lara Shekerdeman, MD)

11:16 - 11:28 AM

Cytokine Absorption During ECMO in COVID-19 (Alexander Supady, MD, MPH)

11:28 - 11:40 AM

Panel Discussion

10:40 - 11:40 AM

Neonatal Respiratory: Hot Topics in Patient Selection and Management (Moderators: Natalie Rintoul, MD, Mark Ogino, MD)

10:40 - 10:50 AM

Etiology of Neonatal Respiratory Failure: Who are the 'Others'? (Sarah Keene, MD)

10:50 - 11:00 AM

Who and How to Cool on ECMO (Krisa Van Meurs, MD, Billie Lou Short, MD)

11:00 - 11:10 AM

Would You Ever? Trisomies, Syndromes, and ECMO (John Cleary, MD)

11:10 - 11:40 AM

Panel Discussion

10:40 - 11:40 AM

All about that Blood: Hematology in ECLS (Robert Bartlett, MD, Gail Annich, MD)

10:40 - 10:52 AM

Novel Developments in Biocompatibility & Circuit Coatings (Robert Bartlett, MD)

10:52 - 11:04 AM

Approaches to Anticoagulation and Monitoring: What We Know and What We Do (Heidi Dalton, MD, MCCM, FELLO)

11:04 - 11:16 AM

Challenges in Hematology: Bleeding, Consumption, Hemolysis, Oh My! (Hussein Kanji, MD)

11:16 - 11:28 AM

Transfusion Targets in ECMO from Neonates to Adults: How Low do You Go? (Gennaro Martucci, MD)

11:28 - 11:40 AM

Panel Discussion

11:40 - 11:50 AM

Break with Exhibitors and Poster Presentations

11:50 - 12:50 PM

Breakout 6

11:50 - 12:50 PM

From the Patient's Perspective: Incredible Patient Stories and Experience on ECMO (Moderator: Phillip Mason, MD)

11:50 - 12:05 PM

The Incredible Clinical Stories of Two Patients Awake on ECMO

11:50 - 12:05 PM

Andrew's Story: From COVID-19 Related ARDS to Double Lung Transplant

12:05 - 12:20 PM

Tom's Story: My Experience on ECMO as a Critical Care & ECMO Physician

12:20 - 12:50 PM

Panel Discussion

11:50 - 12:50 PM

Post-Cardiotomy Shock (Moderator: Roberto Lorusso, MD, PhD)

11:50 - 12:02 PM

ECMO for Post-Cardiotomy Shock: What's the Data? (Ranjit John, MD)

12:02 - 12:14 PM

Central ECMO: Configurations, Advantages, and Disadvantages (Amy Hackmann, MD)

12:14 - 12:26 PM

Proactive RVAD at the Time of LVAD Implantation: Time for a Paradigm Shift (Jonathan Haft, MD)

12:26 - 12:38 PM

Beyond ECMO: Addition of Oxygenator in Temporary VAD (Karol Mudy, MD)

12:38 - 12:50 PM

Panel Discussion

11:50 - 12:50 PM

Challenging Cases in Pediatric Cardiac ECMO: Perspectives in Care from Around the World (Moderators: Peta Alexander, MBBS, Shri Deshpande, MD)

Pre-Op ECMO: HLHS/Interatrial Septal Stenting, Approach to Decision-Making

LA Decompression in Children: Myocarditis, Cardiogenic Shock, Post-Operative Heart Failure

ECMO in Single Ventricle Circulation

ECMO as BTT in Children

Panel: Giles Peek, MD, Aparna Hoskote, MD, Tom Brogan, MD, Roberto Chiletto, MD, Ravi Thiagarajan, MD

11:50 - 12:50 PM
11:50 - 12:02 PM
12:02 - 12:14 PM
12:14 - 12:26 PM
12:26 - 12:38 PM
12:38 - 12:50 PM

ECMO Ongoing: ICU Management of the ECMO Patient (Moderator: Heidi Dalton, MD, MCCM, FELLO)

A Rational Approach to Refractory Hypoxemia (Bishoy Zakhary, MD)
Imaging on VA ECMO: Tips & Tricks (Kasia Hryniewicz, MD)
Beyond PK/PD: Context-Based Pharmacotherapy on ECMO (Kiran Shekar, MBBS, PhD)
Timing and Technique for Distal Perfusion Cannula Placement in VA ECMO (William Lynch, MD)
Panel Discussion

12:50 - 1:00 PM

Exhibit Hall and Poster Presentations

1:00 - 2:00 PM

Exhibit Hall and Poster Presentations, Lunch Break

1:00 - 1:30 PM
1:00 - 1:30 PM
1:00 - 1:30 PM
1:30 - 2:00 PM
1:30 - 2:00 PM
1:30 - 2:00 PM

Sponsored Talk 7
Sponsored Talk 8
Sponsored Talk 9
Sponsored Talk 10
Sponsored Talk 11
Sponsored Talk 12

2:00 - 3:00 PM

Great Debates in ECMO (Moderator: Mark Ogino, MD)

2:00 - 2:14 PM Central / Peripheral Cannulation for Pediatric Septic Shock? (Graeme MacLaren, MBBS, MSc / Matteo Di Nardo, MD)
2:14 - 2:28 PM Watchful Waiting versus Transplantation in Prolonged ARDS (Ankit Bharat MD / Palle Palmer, MD)
2:28 - 2:42 PM To Repair or Not the Carotid Artery (Michael McMullan, MD / Allison Linden, MD, MPH)
2:42 - 3:00 PM Panel Discussion

3:00 - 3:10 PM

Exhibit Hall and Poster Presentations

3:10 - 4:10 PM

Breakout 7

3:10 - 4:10 PM

Global Approach to ECMO in a System Under Stress (Moderators: Gail Annich, MD, Dan Brodie, MD)

3:10 - 3:20 PM
3:20 - 3:30 PM

The Paris Experience (Alain Combes, MD, PhD)
The Chilean Experience (Rodrigo Diaz, MD)

How did Global ELSO Collaboration Change in 2020?
Can We Continue ECMO Under Pandemic Related Crisis Conditions?
Perspectives on Access to ECMO

Role of ELSO During the Pandemic and Future Directions of the ELSO - ECMO Community

3:30 - 4:10 PM

Panel: Matt Paden, MD, Rodrigo Diaz, MD, Alain Combes, MD, Cara Agerstrand, MD, Nicholas Barrett, MD, Giacomo Grasselli, MD

3:10 - 4:10 PM

Neurologic Injury During ECMO (Moderator: Roberto Lorusso, MD)

3:10 - 3:22 PM
3:22 - 3:34 PM
3:34 - 3:46 PM
3:46 - 3:58 PM
3:58 - 4:10 PM

What are the Chances: What do We Know about Neurologic Injuries on ECMO? (Ravi Thiagarajan, MD)
Neurologic Monitoring Strategies for Early Recognition of Brain Injury (Lakshmi Ramen, MD)
Protecting the Brain After Injury: Neuro Protective Strategies During ECMO (Fabio Taccone, MD, PhD)
Beyond TPA: IR-Guided Interventions in Embolic CVA During ECMO (Joshua Willey, MD, MS)
Panel Discussion

3:10 - 4:10 PM

LATAM Session 2 (Moderators: Coordinators (Jorge Ramirez, MD; Lissa Samudio, MD)

3:10 - 3:22 PM
3:22 - 3:34 PM
3:34 - 3:46 PM
3:46 - 3:58 PM
3:58 - 4:10 PM

Intervenciones para mejorar la sobrevida en ECMO-Covid (Leonardo Salazar, MD)
Transporte aereo nacional e internacional en ECMO-Covid (Ivan Ahmed Muñoz, MD)
Determinantes de la Oxigenación en ECMO VV (Fernando Pálizas, MD)
ECMO Pos-cardiotomía en niños en Brazil (Luiz Caneo, MD)
Panel Discussion

3:10 - 4:10 PM

ECMO Transport: Getting from Here to There (Moderator: Thomas Mueller, MD; Jason Bartos, MD)

3:10 - 3:22 PM
3:22 - 3:34 PM
3:34 - 3:46 PM
3:46 - 3:58 PM
3:58 - 4:10 PM

Building and Maintaining an ECMO Transport Program at Your Center (Ibrahim Fawzy Hassan, MD)
Practical Considerations in ECMO Air & Ground Transport (Bernadette Elliott, RN, CCRN, CEN)
Transport Pitfalls & Perils: Lessons Learned from an Experienced Center (Erin August, RN)
Beyond the Hospital Walls: Regional and National Coordination in ECMO Transport (Nicholas Barrett, MD)
Panel Discussion

4:10 - 4:40 PM

Exhibit Hall and Poster Presentations

4:40 - 5:40 PM

Breakout 8

4:40 - 5:40 PM

Building an ECMO Program: Strategies and Approaches from Leading Centers (Moderators: Elizabeth Moore, RN, Justin Sleasman, CCP)

4:40 - 4:45 PM

Panel Discussion and Programmatic Overview

4:45 - 4:50 PM

Single Caregiver Model (Chirine Mossadegh, RN)

4:50 - 4:55 PM

Bedside Nurse / Specialist Model (Amy Hackman, MD)

4:55 - 5:00 PM

Staffing Models Dramatically Changed Due to COVID-19 (Michael Kotwas, CCP)

5:00 - 5:05 PM

Specialist 1:1 Staffing Model (Michael McMullan, MD)

5:05 - 5:40 PM

Panel Discussion

4:40 - 5:40 PM

ELSO Research Grants (Moderator: Lakshmi Raman, MD)

Developing a Rescue ECLS Program: Assessing the Barriers, Facilitators, and Important Factors (Jaime Blackwood, MD, FRCPC)

The Utility of Machine Learning in Predicting Neurologic Outcomes in Pediatric ECMO Patients (Neel Shah, MD)

Exhaust Capnometry during Venovenous Extracorporeal Membrane Oxygenation (John Stokes, MD)

Questions and Answers

4:40 - 5:40 PM

Challenges in Pediatric Respiratory ECMO (Moderators: Thomas Brogan, MD, James Fortenberry, MD)

4:40 - 4:52 PM

The Right Start: Pediatric Cannulation for Respiratory ECMO (Jon Lillie, MD, MRCPCH)

4:52 - 5:04 PM

Timing is Everything: When to Initiate ECMO for Respiratory Failure (Matthew Paden, MD)

5:04 - 5:16 PM

In it For the Long Run (Gail Annich, MD)

5:16 - 5:28 PM

Taking the Right Path: Ethical Dilemmas (Roxanne Kirsch, MD)

5:28 - 5:40 PM

Panel Discussion

4:40 - 5:40 PM

ELSO Award of Excellence (Moderator: Micheal Heard, RN)

4:40 - 4:52 PM

Taking Your Center from Silver to Platinum

4:52 - 5:04 PM

Using the Award of Excellence to Benchmark Quality

5:04 - 5:16 PM

How to Prepare, How to Apply

5:16 - 5:28 PM

Platinum Centers Highlighted

5:28 - 5:40 PM

Panel: Micheal Heard, RN, Tracy Morrison, RN, Barb Haney, RN, James Connelly, RT, Cory Ellis, CCP, Matthew Paden, MD

5:40 - 6:00 PM

Closing Remarks (Matthew Paden, MD)