

PRELIMINARY AGENDA

ELSO 33RD ANNUAL CONFERENCE BOSTON, MA, USA



Pre-Conference - From Pumps to Program: How to Build (and Grow) a High Quality ECMO Program

Pre-Conference Day 1 - Wednesday September 14

1:00 - 2:00 PM

Welcome and Introduction

Starting from Scratch: The Patient Population and Access to ECMO

If We Build It, Will They Come? Is Starting an ECMO Program Right for Your Hospital?

EC-YES or EC-NO: Indications and Contraindications for ECMO

ECMO on Wheels: Considerations in ECMO Transport Program

Panel Discussion

2:00 - 3:00 PM

Program Structure, Staffing, and Policy Development

It Takes a Team: Structuring Your Program for Success

How Do I Know What Staffing Paradigm is Right for Our Program?

Always in Fashion: All You Need to Know About ECMO Circuits and ECMO Accessories

Panel Discussion

3:00 - 3:15 PM

Break

3:15 - 4:30 PM

Basics of ECMO: Preparing Your Team to Care for These Patients

Oxygen In, CO2 Out: ECMO Physiology and Gas Exchange

Essential Patient Management in VV ECMO

When the Heart Fails: Managing a Patient on VA ECMO

Anticoagulation: Dealing with Bleeding and Thrombosis

Panel Discussion

4:30 - 5:00 PM

Small Group Discussions

Pre-Conference Day 2 - Thursday September 15

8:00 - 9:00 AM

Education, Training and Competency

What is the Value of Global, Standardized ECMO Education?

The E-AEC: Everything You Need to Know About Certification

ECMO Simulation: It's More than Technical Training

Panel Discussion

9:00 - 10:15 AM

Advanced Management Strategies

Imaging on ECMO: What, How, and When

Help! Critical Response to ECMO Emergencies

Unique Issues: The Awake or Extubated ECMO Patient

All You Need to Know About ECMO Weaning

Panel Discussion

10:15 - 10:30 AM

Break

10:30 - 11:30 AM

Would You or Wouldn't You? Interactive Cases

Challenging Cases in Neo-Peds ECMO

Challenging Cases - VV ECMO

Challenging Cases - VA ECMO

Panel Discussion

11:30 AM

Pre-Conference Concludes

ELSO 33rd Annual Conference - "Leading ECMO Globally"



Day 1 - Thursday September 15, 2022 (1:00 PM to 5:30 PM)

All times Eastern US (Boston)

<p>1:00 - 2:30 PM Salon E, F, G</p>	<p>Opening Remarks Welcome Remarks Keynote Address</p> <p>Plenary Session: Science at the Cutting Edge: ECLS and Beyond</p> <p>New Frontiers of ECLS in Cardiovascular Medicine Pediatric ECMO Research and Trial Design Pushing Boundaries: Experience in Xenotransplantation</p>
<p>2:30 - 3:00 PM</p>	<p>Break with Exhibitors and Poster Presentations</p>
<p>3:00 - 4:00 PM Salon E</p>	<p>Breakouts 1-3 Breakout 1</p> <p>ECMO and the Pregnant Patient: Two Lives at Stake</p> <p>ECMO in Pregnancy: Evidence and Management Approaches</p> <p>A Dangerous Combination: Management Considerations in the Pregnant Patient with Pulmonary Hypertension Looking After the Little One: Fetal Monitoring and Physiologic Optimization The Baby's Coming: Delivery Planning on ECMO and Consultation for High Risk Deliveries Remarkable Case: The Power of What's Possible</p>
<p>Salon F</p>	<p>Breakout 2</p> <p>Congenital Heart Disease: From Cradle to Drivers Licenses and Beyond</p> <p>How Does a Robust ECMO Service Support Congenital Cardiac Surgery Programs? How are we Approaching Neonatal ECMO for Babies with Congenital Heart Disease?</p> <p>How do we Support Patients and Families as They Return for Planned Surgeries After a Complicated Post-Op Course? How is ECMO for Congenital Heart Disease Different When My Patient Has a Beard?</p>
<p>Salon G</p>	<p>Breakout 3</p> <p>Maintaining a High Functioning ICU Team: What the Pandemic Revealed</p> <p>The Shadow Side: PTSD and Moral Injury in Critical Care Pandemic Challenges and Solutions in ECMO Nursing Creating a Culture of Resilience in Your ECMO Team Where Do We Go From Here: How the Pandemic Will Change ICU Care</p>
<p>4:00 - 4:10 PM</p>	<p>Transition Time</p>

<p>4:10 - 5:30 PM</p> <p>Salon E</p> <p>Salon F</p> <p>Salon G</p> <p>5:30 - 7:00 PM</p>	<p>Breakouts 4-6</p> <p>Breakout 4</p> <p>Cutting Edge in ARDS: The Science and the Management</p> <p>Extubation During ECMO? Impact of Invasive Versus Non-Invasive Ventilation on Lung Injury Prolonged ECMO for ARDS: Clinical Strategies for Success Personalized Approaches to Protective Ventilation and Respiratory Mechanics in ARDS Prone Positioning During ECMO: To Flip or Not to Flip</p> <p>Debate - Prolonged COVID-19 ARDS: Bridge to Recovery or Bridge to Transplant?</p> <p>Breakout 5</p> <p>Cardiogenic Shock Demystified</p> <p>Pathophysiology of Cardiogenic Shock: From Bench to Simulation Modeling Cardiogenic Shock Definitions: SCAI Criteria Revised VA ECMO, Impella, or Both: What is the Algorithm? Biventricular Dysfunction: Pitfalls, Approach, and Management Future Therapies in Cardiogenic Shock: Next Gen Approaches</p> <p>Breakout 6</p> <p>All About the Oxygen: Optimizing Perfusion During ECMO</p> <p>Tissue Oxygenation During ECMO: Monitoring and Clinical Impact Getting Rid of Limb Ischemia in Peripheral VA ECMO: Utopia or Fact Transfusion Practices in ECMO: What We've Learned from PROTECMO Refractory Hypoxemia on VV ECMO: Medical and Mechanical Solutions</p> <p>Debate - Bivalirudin vs Heparin for ECMO Anticoagulation: Are We Ready To Go to DTIs?</p> <p>Poster Presentations</p>
--	--

Day 2 - Friday September 16, 2022

All times Eastern US (Boston)

<p>7:00 - 8:00 AM</p> <p>8:00 - 9:30 AM</p> <p>9:30 - 10:00 AM</p> <p>10:00 - 11:00 AM</p> <p>Salon E</p>	<p>Breakfast</p> <p>Plenary Day 2: Critical Care in the Media</p> <p>The Influence of Media and Social Media on our Practices ECMO in the Media During COVID-19</p> <p>Break with Exhibitors and Poster Presentations</p> <p>Breakouts 7-9</p> <p>Breakout 7</p> <p>ECCO2R: State of the Science for Respiratory Failure</p> <p>ECCO2R for ARDS: Where do we go from REST? What's Next in Clinical Trials in ECCO2R for COPD On the Horizon: Device Development in ECCO2R Impact of ECCO2R on Pulmonary Hypertension and the Right Ventricle</p>
---	---

	Breakout 8
Salon F	Challenges in Venoarterial ECMO and MCS Supporting, Bridging, Weaning: A Practical Approach to Patients Receiving Temporary MCS When to Think of Myocardial Recovery: Unloading and Reloading Axillary Access: When and How Extreme Obesity: How High BMI is Too High? Peripheral Vascular Disease or Severe Vasoconstriction: Let's Be Creative
	Breakout 9
Salon G	Congenital Diaphragmatic Hernia: ECMO Challenges & Considerations What We Know About Center Volume and ECMO Outcomes Surgery on ECMO: Timing and Technique How to Manage the Neonatal Lung: Ventilator Strategies on ECMO On the Road to Recovery: The Theshold for Decannulation from ECMO
11:00 - 11:10 AM	Transition Time
11:10 - 12:10 PM	Breakouts 10-12
	Breakout 10
Salon E	COVID-19: What's the Evidence in 2022? ECMO for ARDS in COVID-19: Effective Therapy or Wishful Thinking? Phenotypes in COVID-19 ARDS: What We've Learned Cytokine Storm in COVID-19: Fact or Fiction Severe COVID in the Pediatric Population
	Breakout 11
Salon F	Too Much of a Good Thing? Leveraging Data for Management of the Sickest Patients in the ICU Talk TBD How Can EHR-Derived AI Inform Learning Healthcare Models in ECMO? What Are the Barriers to AI Informed Management Models of ECMO at Payer and Corporate Governance Levels? Standardized Clinical Assessment and Management Plans (SCAMPs): A Learning Healthcare Model Applied to ECMO
	Breakout 12
Salon G	Adventures in ECMO: Bedside Essentials Patient Assessment, Head to Toe: What I Want My Team to Know Continuous Renal Replacement Therapy and Plasmapheresis on ECMO: Bedside Essentials Protecting the Largest Organ: Skin and Cannula Care Managing the Awake Patient on ECMO Lessons Learned in ECMO Transport: Specialists on the Move
12:10 - 1:30 PM	Exhibit Hall and Poster Presentations, Lunch Break
Salon E	Sponsored Talk
Salon F	Sponsored Talk
Salon G	Sponsored Talk

1:30 - 2:50 PM

Breakouts 13-15

Breakout 13

Salon E

Innovation in ECMO

The Next Frontier in ECMO Devices and Non-Invasive Monitoring
Innovations in the ECMO Lab: Insights from Dr. Bartlett
Drugs on Drugs: Pioneering Research in Pharmacokinetics on ECMO
Getting Your Ideas Out to Market
It Takes a Village (and a Grant): Getting Your ECMO Study Funded
Innovation in ECMO from the FDA's Perspective

Breakout 14

Salon F

State of the Art in Resuscitation: ECPR at the Cutting Edge

Pathophysiology and Hemodynamics of Cardiac Arrest
ECPR for OHCA: Time to Change the Practice?
There's no "I" in ECPR: Developing a High Functioning ECPR Team
Pediatric ECPR: Where we Stand with Research and Trial Design

Debate - ECPR versus Opening the Chest for Post-Cardiotomy Arrest? Is there a Gold Standard?

Breakout 15

Salon G

Humanity in the ICU: Ethics and Palliative Care

Palliative Care: Integrative Approaches in ECMO and Critical Care
Organ Donation from ECMO: Brain Death and DCD
Challenging Case: End of Life in Pediatric ECMO
From the Family's Perspective: What I Would Want the ICU to Know

Debate - How Do We Justly Allocate ECMO in Resource Limited Settings: Should Expected Survival and Quality of Life Impact ECMO Candidacy?

2:50 - 3:20 PM

Break with Exhibitors and Poster Presentations

3:20 - 4:20 PM

Breakouts 16-18

Breakout 16

Salon E

Thoracic Controversies in ECMO: Surgical Strategies & Expert Discussion

Put a Tube In It? Chest Tubes and Management of the Pleural Space
Tracheostomy: Timing and Technique
RV Failure in ARDS: When to Convert to VA or VPA
More than Meets the Eye: Optimizing Cannula Size & Position

Breakout 17

Salon F

Expanded Uses for VA ECMO: A New Weapon in Our Hands for Complex Conditions

Prophylactic MCS in Cardiac Surgery: A New Weapon in Our Hands in Complex Procedures
Mechanical Complications of MI: Timing of Repair
Suicide LV: Case Report
MCS as a Bridge to Transplantation: Lessons from New Allocation System

Breakout 18

Salon G

ELSO Research Grant and Oral Abstract Presentations

4:20 - 4:30 PM	Transition Time
4:30 - 5:30 PM	Breakouts 19-21
Salon E	<p>Breakout 19</p> <p>ECMO in Pandemics: Preparing for the Next One</p> <p>Coordination of a National ECMO Infrastructure: Challenges and Lessons Learned</p> <p>Regionalization in ECMO</p> <p>ECMO Research in Pandemics: What We Need in Place</p> <p>Considerations in ECMO Access and Equity</p> <p>ELSO's Role in Future Pandemics</p>
Salon F	<p>Breakout 20</p> <p>Neurologic Injury During ECMO</p> <p>Strategies for Early Recognition of Brain Injury in the ECMO Patient</p> <p>Beyond Medical Management in Embolic CVA</p> <p>Intracerebral Hemorrhage in Pediatric ECMO</p> <p>Rare but Devastating: Anterior Spinal Cord Stroke in VA ECMO</p> <p>Optimization of Cerebral Perfusion on ECMO after Cardiac Arrest</p>
Salon G	<p>Breakout 21</p> <p>Neonatal ECMO: Next Gen Approaches for the Next Gen - Expert Panel and Moderated Discussion</p> <p>Update on the Venovenous Dual Lumen Cannula in Neonates</p> <p>Panel Discussion:</p> <p>Evolving and Revolving: Time to Change from Roller to Centrifugal Pumps?</p> <p>Bival for the Win? Contemporary Approaches to Anticoagulation in the Neonate</p>
6:00 - 7:00 PM	Evening Reception
Exhibit Floor	
7:00 - 8:00 PM	Award Ceremony
Salon E-F-G	

Day 3 - Saturday September 17, 2022 (8 AM to 12 PM)

All times Eastern US (Boston)

7:00 - 8:00 AM	Breakfast
Salon E	Directors' Meeting with Breakfast
Salon G	Coordinators' Meeting with Breakfast
Exhibit Hall	Breakfast - For All Other Attendees
8:30 - 9:30 AM	Breakouts 22-24
Salon E	<p>Breakout 22</p> <p>ECMO for Lung Transplantation</p> <p>A New Indication? Lung Transplant in the Post-COVID Patient</p> <p>BTT Consults from Afar: Pre-Transplant Evaluation of Patients on ECMO</p> <p>Optimizing Physiologic Support for BTT: Why the RV Matters</p> <p>New Frontiers in ECLS for Donor Organ Preservation and Recovery</p>

	Breakout 23
Salon F	<p>ECMO, VAD, and Everything in Between: How Can Evidence Inform the Best MCS Strategy for Children with Heart Failure</p> <p>Decision-Making for Central vs Peripheral (and Upper vs Lower Body) VA-Cannulation</p> <p>Patients with Cardiogenic Shock Should be Supported with VAD</p> <p>The Case for Patients with Cardiogenic Shock Being Supported with ECMO</p> <p>Patients with Cardiogenic Shock Need Impella (With or Without ECMO)</p>
	Breakout 24
Salon G	<p>ELSO Registry Session</p>
9:30 - 9:40 AM	Transition Time
9:40 - 10:40 AM	Breakouts 25-27
	Breakout 25
Salon E	<p>A Breath of Fresh Air: Hot Topics in Pediatric Respiratory ECMO</p> <p>ECMO in Bone Marrow / Stem Cell Transplant: Expert Consensus Review</p> <p>Airway and Tracheostomy Management in Pediatric ECMO</p> <p>PEACE Out: The Pediatric ECMO Anticoagulation Collaborative (PEACE) Consensus</p> <p>What Comes Next: What We Know About Long-Term Outcomes in Pediatric ECMO</p>
	Breakout 26
Salon F	<p>Award of Excellence</p>
	Breakout 27
Salon G	<p>Let's Get Moving: Physical Rehabilitation During ECMO</p> <p>Physical Therapy in Critical Illness: Standard of Care in ECMO?</p> <p>Safety First: Developing a Rehabilitation Program for ECMO Patients</p> <p>The Next Hurdle: Mobilization During VA ECMO</p> <p>Mobility in Pediatric ECLS Patients</p>
10:40 - 10:50 AM	Transition Time
10:50 AM - 11:50 AM	Closing Plenary & Remarks