



# NEWSLETTER

## APRIL 2025 EDITION

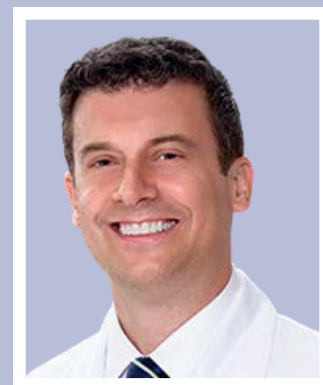
### MESSAGE FROM THE PRESIDENT

Welcome to the April 2025 ELSO newsletter.

With the arrival of spring in the northern hemisphere, ELSO is engaged in a flurry of activities. I encourage you to read through the Newsletter to get a sense of the many exciting initiatives that are going on. In the meantime, we have been fortunate to see our colleagues and friends from around the world at our chapter meetings, including SWAAC ELSO and, just this month, at EuroELSO. These meetings offer an opportunity to build connections, exchange ideas and strengthen our community.

Planning is well underway for our ELSO 2025 Conference, which will be held just outside of Washington DC, in the United States. The underlying theme for the meeting will be centered around unity and shared mission, reminding us that providing the best care to the patients we serve is what drives us. We hope you will consider joining us for what will be an exceptional scientific program.

**Dan Brodie, President, ELSO**



### IN THIS ISSUE

President's Message	1
Conferences	2
Committee Roundup	3
Communities & Survey Alley	9
Circuit Chatter	10
Chapter Updates	12
CEO Remarks	15

## CHAPTER CONFERENCES



### 13th Annual EuroELSO Conference

**Location:** Milan, Italy

**Dates:** April 23rd - April 26th, 2025



### 7th Annual APELSO Conference

**Location:** Beijing, China

**Dates:** July 10th - July 12th, 2025



**2026**

### 7th LATAM Conference

**Location:** San Jose, Costa Rica

**Dates:** November 5th- November 7th, 2026

The latest information on ELSO & Collaborative Meetings can be found [here](#).

## COMMITTEE ROUNDUP

### ELSO Conference Committee

Registration is now live for the 36th Annual ELSO Conference, which will be taking place in Washington DC September 27-30, 2025.

More information including pricing, hotel, and abstract submission can be found on our [36th Annual Conference website](#)

We are preparing an exciting program which will include:

- **Hot Topics & Debates** – Engage with experts on the most pressing controversies and emerging trends in ECMO.
- **Real-World Case Studies** – Learn from complex patient cases and expert-led discussions.
- **Interdisciplinary Collaboration** – Connect with nurses, surgeons, intensivists, perfusionists, and ECMO specialists to enhance team-based care.
- **More Interactive Opportunities** – Experience interactive training on ECMO techniques, from common scenarios to complex challenges.



The latest information on ELSO & Collaborative Meetings can be found [here](#).

## Education Committee/ELSO Academy

The Education Committee is excited to share several updates with the ELSO Community:

- Introduction of the **ELSO Education Committee's 3-Year Strategic Vision** (2025-2027). The plan includes the Five Strategic Pillars: Expand Access, Promote High Quality Training, Leadership Development Support Educational Research, and Leverage Technology Enhanced Learning.
- Establishment of a **Global Education Committee (GEC)**. The inaugural quarterly meeting was held on March 11, 2025 with attendance by Chapter Education Leaders and few Board Members. The aim of this group is to review all proposed initiatives, new proposals, updates, manuscripts, guidelines, and related materials created by the Global Education Committee, formerly known as ELSOed.
- Creation of the **ELSO Initiatives Dashboard**. This aims to become a centralized repository of all ELSO initiatives / projects across all committees and has been designed with the intent to increase community engagement. Members will be able to review projects and connect with PIs directly via the dashboard. Access will be via the ELSO website. Currently, the design has been completed and is undergoing review prior to implementation.

## 2025 Course Dates

Our 2025 ELSO Simulation Center Education activities are live on ELSO Academy. Throughout the year we are offering a variety of Adult Simulation, Neo/Peds Simulation, and Cannulation courses. Please keep an eye on the [ELSO Website](#) as well as ELSO Academy to see course dates and sign-up!



April 2025 Simulation Course Attendees

## Spring 2025 Courses

### ELSO Extracorporeal Membrane Oxygenation (ECMO) Adult Simulation Course

**Dates:** May 6-7, 2025 (Session 1) & May 8-9, 2025 (Session 2)

**Location:** ELSO Headquarters

**Address:** 3001 Miller Road Ann Arbor, MI, USA

All Endorsed courses can be found [HERE](#)

All non-ELSO courses/events can be found [HERE](#).

## Quality Committee - Award of Excellence

This month the Center of Excellence committee met and reviewed all of the Path to Excellence and Award of Excellence applications. Congratulations to all of you for the amazing work you do every single day!

If your center was randomly selected for a site visit this year, you will be notified by email 2 weeks prior to the date selected by your team. If your selected dates have passed without notification, you will not be visited this year. Site visits are a great way to validate your application and get feedback from the award committee! We look forward to the opportunity to visit your program.



---

## Publications Committee

ELSO has a growing list of publications available.

- New guidelines - always free and available to our community (Guidelines are [here](#))
- The ELSO Red Book - 6th Edition
- ECMO Specialist Training Manual - 4th Edition (*5th Edition in development*)
- ECPR and Resuscitative ECMO
- Post-Cardiotomy ECLS and other Temporary Mechanical Circulatory Supports in Adult Patients, with Roberto Lorusso as Senior Editor and a robust team of international authors.
- Neonatal and Pediatric ECMO Simulation Scenarios - developed in partnership with IPSS
- A Korean translation of the ELSO Red Book - 5th Edition
- Spanish translations of the ELSO Red Book - 4th Edition and ECMO Specialist Training Manual - 4th Edition

Visit our website for the full list of publications available [HERE](#).



## Registry Committee

Our new Registry Quality Reporting Platform went live in December and we are excited to hear from so many of you that have already put it to great use. If you are just getting started in the platform, an introductory webinar is on our website and can be accessed [here](#). Due to this transition, the ArborMetrix platform is no longer available. Please update your bookmarks & any saved websites to our new URL: <https://www.elseo.org/home/domo.aspx>

A few major changes are highlighted below:

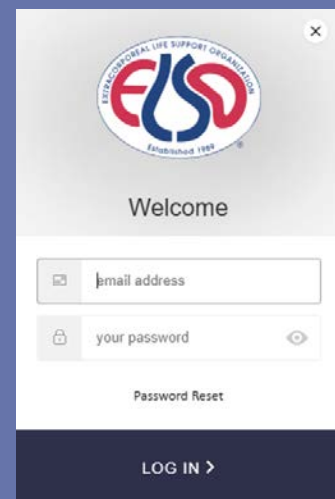
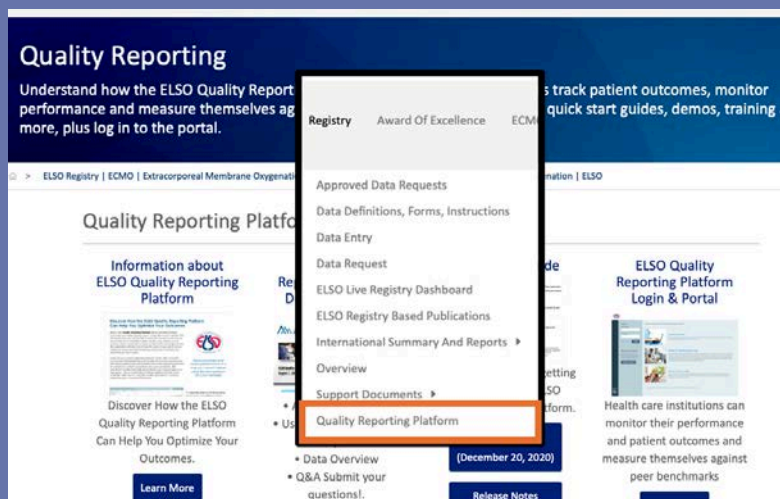
- **Software Update** - New interface with Domo, an industry-leading data visualization tool
- **Single Sign On** - log in directly to the platform via ELSO.org
- **Interactive & Intuitive Design** - add custom date ranges, filters, and peer groups to assess and compare your center's data
- **Extract Your Data** - quickly download your center's data based on the defined filters
- **NOW AVAILABLE- Time Interrupted Series charts**

Additional features are still to come, including:

- Risk Adjustment for Mortality - by patient population & ECLS mode
- Additional Data Views & Filter Options

International Summary Reports and data will be released soon - a first look at 2024 data!

If you have any additional questions regarding the transition or have suggestions for future updates, please email us at [ELSOqualitysupport@elseo.org](mailto:ELSOqualitysupport@elseo.org). A new WhatsApp group for discussion is: ELSO Registry Quality Benchmarking Platform. To join, click [here](#).





## Research Committee

Please contact [research@elso.org](mailto:research@elso.org) for any suggestions you might have for the committee.

---

## Technology & Innovation Committee

The Technology and Innovation Committee is currently seeking committee members with specific interests in developing projects centered around the following topics that we hope to roll out in 2025. Please contact the Chair-elect Timothy M. Maul, CCP, PhD at [tmaul@elso.org](mailto:tmaul@elso.org) for details or to get involved.

- **GUDID Project:** We are looking for some assistance in matching Universal Device Identifiers (UDI) for all ELSO Registry equipment available in the US. This will help determine if existing products in the registry are accurately identified or new products need to be created to align with available UDIs in the US.
  - **How I Do It Webinars:** We are looking to elevate diverse perspectives from our global ELSO Community on your best practices across ECMO related topic areas. We will be scheduling webinars to be held for free via Zoom. so please keep an eye on our social media channels for more information.
  - **Creation of a Device Compendium** on the ELSO website that will be a living document for all available cannula, oxygenators, pumps, and heat exchangers across the globe and provide basic comparisons of technical features.
  - **Development of a quarterly or semi-annual survey** to global ELSO institutions to assess equipment utilization, new technology hitting the global markets, and impacts of supply chain issues. This data may be incorporated with a new Registry Project to update the 2012-2017 data published in ASAIO in 2021. We would like to publish an update to the way that centers are utilizing technology (circuits and remote monitoring) on a regular basis (every 5 years or so).
- 

## FELSO

The next application cycle for FELSO is now available through June 30, 2025! FELSO is the honorary designation recognizing extraordinary contributions to the art and science of ECLS. Applications will receive consideration by the FELSO Nominations Committee. When released, the application will be available [here](#). Self-nominations will not be accepted.

For more information please email [FELSO@elso.org](mailto:FELSO@elso.org)

## ELSO Communities - Real-Time Support & Collaboration on WhatsApp

If you have a question or need advice, please join one of the discussions. Please also contribute your own practices and advice to help your ELSO colleagues.

**New ELSO WhatsApp Communities are now available** including:

- NRP & Ex-Vivo Perfusion
- Ethics
- Innovation in ECLS
- Hypothermia
- Cardiogenic Shock
- ECPR



To join a community visit the ELSO [website](#). You will be required to download WhatsApp on your phone. Communities are designed to be a support for our members that want to connect, collaborate, and support each other on a topic.

---

## SURVEY ALLEY

### WeanECMO: Patient Eligibility for ECMO-Weaning Trials

**Please** consider participating in this ESICM-endorsed survey for WeanECMO, an international, multicenter, cross-sectional survey aimed at investigating the criteria employed by physicians to determine patient eligibility for ECMO-weaning trials and defining how these trials are conducted across different ECMO centers.

Primary survey contact: Marco Giani [marco.giani@unimib.it](mailto:marco.giani@unimib.it)

Please take a moment to complete the survey here:  
<https://www.surveymonkey.com/r/WeanEcmo>



## **BEDSIDE WITH BARTLETT**

### ***A NOTE ON THE FUTURE OF THE SECTION***



**Robert Bartlett, MD**

Founder, Board of Directors Emeritus  
ELSO Professor Emeritus of Surgery University of Michigan

For many years 'Bedside with Bartlett' has been one of the highlights of the ELSO newsletter, allowing the ECMO community to hear Dr Bartlett's numerous insights into specific clinical problems related to ECMO across every age range, indication, and cannulation strategy. However, Dr Bartlett has now expressed a desire to offer this opportunity to others with expertise and wisdom to share. ELSO is throwing open an invitation to everyone in our community to contribute cases which the authors believe demonstrate an important principle (or two) in ECMO management, whether that is in neonatal, pediatric, or adult patients. We encourage ELSO institutions to submit a brief case history to our new Newsletter section 'Circuit Chatter', to highlight both the principal clinical details and learning points for the community, between 300-700 words. This will then be edited and published.

The deadline for potential submissions will be the last day of every odd-numbered month, i.e., 31st Jan, Mar, May, etc.


Please email [newsletter@elso.org](mailto:newsletter@elso.org) with your cases and teach the community about what you learned!

# CIRCUIT CHATTER

## EDITION 1

**WRITTEN & SUBMITTED BY:  
ANDREA JOHNSON**

ECMO Program Coordinator  
University of Missouri Health Care



A patient with a past history of hypertension and morbid obesity was admitted with influenza and subsequently developed acute respiratory distress syndrome (ARDS). On day 4 of mechanical ventilation, the patient's P/F ratio was consistently <80 mmHg despite neuromuscular blockade, proning, and inhaled nitric oxide (iNO) administration. The decision was made to cannulate the patient onto VV ECMO. The patient was weaned off iNO following cannulation. After 3 days of ECMO, the FiO<sub>2</sub> was weaned to 40%. After 7 days, the FsO<sub>2</sub> was weaned to 21%.

As the patient was weaned off neuromuscular blockade and sedation was lightened, it was noted that the patient had occasional 'suck-down' events with increasingly active respirations and coughing. On day 9 of ECMO, the lung compliance had improved significantly, the CXR had cleared, with an FiO<sub>2</sub> 21% and sweep 1LPM. The night shift ECMO Specialist called the ECMO Coordinator to let them know that the flow had dropped slowly over their shift from 3.3LPM to 3.0LPM despite no change in rpm. The pre-oxygenator pressure had climbed from 289mmHg to 380mmHg, the delta pressure had increased from 70mmHg to 90mmHg, and the post oxygenator pressure had gone from 220mmHg to 289 mmHg. The ventilator settings were unchanged and the last ABG was within normal limits. No significant clots or fibrin were noted in the circuit and the patient remained on anticoagulation.



In the morning, the patient was trialled off ECMO by turning off the sweep. A 12 hour trial was planned but after 6 hours the patient coughed during a routine turn and the circuit blood flow dropped to 1.25LPM. Even with returning the patient back to the previous position and with no further coughing, the previous flow did not return. However, the vitals remained stable and the patient was successfully decannulated. It was subsequently noted that there was a large clot in the pump head.

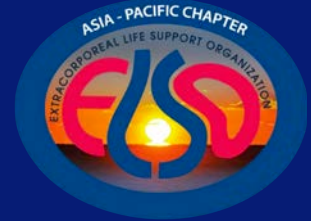
What could have been done earlier? What would cause the fluctuations in flows?

It could be argued that the patient was decannulated too late. The changes in circuit pressures and diminution in flow the previous night indicated that clots were forming in the circuit. For this patient, it was reasonable to decannulate because the patient was on lower flows, low sweep, and had low O<sub>2</sub> requirements. Recognizing that there was a circuit issue could have been an opportunity to liberate the patient from ECMO earlier instead of performing an emergent circuit change for suspected thrombosis or waiting until further problems arose.



## ELSO CHAPTER UPDATES: ECMO AROUND THE WORLD

### APELSO



- **APELSO 2025 Conference:** Scheduled for July 10-12, 2025, in Beijing at the Landmark Towers Hotel. Professor Xiaotong Hou will chair the event.
- **APELSO 2026 Conference:** To be held June 12-14, 2026, in Tokyo, Japan, as a joint conference with the Japanese Society for Therapeutics and Engineering at Hamamatsucho Convention Hall.
- **Revision of APELSO Bylaws:** A review is underway to enhance organizational structure and community unity, following discussions chaired by Dr. Hwa Jin Cho.
- **ECMO Education APELSO-ELSO Collaboration Project:** Led by Dr. Simon Sin and Mr. Ricky Chan, an ECMO simulation course is planned for Malaysia on June 27-28<sup>th</sup>.

Shingo Ichiba, MD, PhD, APELSO Chair

---

### LATAM ELSO

Please join us for the 7<sup>th</sup> Annual LATAM Conference, being held in San Jose, Costa Rica in November 2026. Up to date news and event information can be found on our website: [elsolatam.net](http://elsolatam.net). Guillermo Moreno, LATAM ELSO Chair



## ELSO CHAPTER UPDATES: ECMO AROUND THE WORLD

### SWAAC ELSO

**SWAAC ELSO App:** The SWAAC ELSO app is now available, please download it to stay up to date on news and activities.

You can find a list of all ECMO courses in the SWAAC ELSO region through the SWAAC ELSO app including India, Qatar, UAE, South Africa and many more. You can also submit any ECMO course within the SWAAC ELSO region through the app in the add your course section.

You can download the app [here](#).



### 2025 SWAAC ELSO Annual Meeting:

We wanted to share more images from the 2025 SWAAC ELSO Annual meeting, including a successful conferences, a Train the Trainer (TTT) course, and several workshops. As noted in the February Newsletter, over 1,000 delegates attended. Abstracts were published in ASAIO.



**2026 SWAAC ELSO Annual Meeting:** Mark your calendar for the next annual meeting which will be in Chennai, India on 5-8th February 2026.

**Follow Us:** Stay updated on SWAAC ELSO news and course dates via X, Instagram, and LinkedIn.

Huda Alfoudri, MD, SWAAC ELSO Chair





## ELSO CHAPTER UPDATES: ECMO AROUND THE WORLD

### EuroELSO

The chapter meeting was a huge success in Milan, Italy! The conference was held April 23 – 26<sup>th</sup> with 1,700+ delegates in attendance and 348 published abstracts. 240 speakers and moderators provided excellent scientific advancements and a view toward what lies ahead in research, care delivery, and sustainability. Friends and colleagues were able to convene and keep the momentum growing in our society. Congratulations! Mirko Belliato, Chair



### EuroELSO 2025

- >1.6K participants (preliminary data) from > 45 countries
- >240 speakers & moderators (+ abstract presenters)
- 25 helping hands
- 14 educational corners (22 time slots)
- 6 cannulation cup slots (2 in parallel)
- 4 escape room slots (2 in parallel)
- 22 pregress sessions
- 32 congress sessions

in Milan





## CHIEF EXECUTIVE OFFICER REMARKS

### Gathering Together

At the end of April, we have had the benefit of two chapter conferences: SWAAC ELSO in Abu Dhabi, UAE and EuroELSO in Milan, Italy. Both meetings had excellent scientific gatherings and over 1,000 delegates at each. The energy and enthusiasm is palpable. Each time we convene, new ideas flourish. We leave with a lengthy list of goals and initiatives to further support our community and strengthen our global family. For so many that make the time to invest in ELSO and its chapters, it's an exciting time. We will keep the momentum going for the AP ELSO conference in Beijing in July and the ELSO global conference in Washington DC in September.

In April, ELSO expanded our WhatsApp communities to include hypothermia, cardiogenic shock, ECPR, ethics, DCD and ex-vivo perfusion, and innovation. Please join the conversations. These channels have been effective in real-time collaboration and support from around the world. A huge thank you to all of you that participate and help your friends.

The launch of the Bedside Guide App is near. While we had hoped to release this much earlier, we recognized the content needed to be more robust for the first launch. We will keep this updated, with your help, over time. The primary aim of this effort is to be useful to our practitioners in the field at the bedside. We hope we can make it so together.

Our collective efforts in advancing knowledge will be noticeable in 2025. New guidelines are coming, new papers are published each day, and ELSO aims to be the convener of those interested in advancing ECLS knowledge. We will have more to share soon on how we are enhancing these efforts and inviting you to join us in them.

Thoughts, suggestions, challenges – please let us know what you need! We are here to serve our community. We can gather together in many ways in between chapter and organizational meetings. Let's.

With gratitude,

Christine Stead, CEO



# The Extracorporeal Life Support Organization

## Our Mission

Providing global leadership in extracorporeal life support through innovation, advocacy, and advancing knowledge.

## Our Vision

ELSO will be the premier organization for the advancement of extracorporeal life support throughout the world.

## Guiding Principles

### Innovation

Seeking to identify and promote advances for the application of extracorporeal therapies.

### Expertise

Bringing together world leaders in the care of critically ill patients for collaboration to advance quality of care through education and publication.

### Clinical Support

Maintaining a comprehensive registry of data to assist in reducing morbidity and improving survival of patients requiring extracorporeal therapies.

### Community

Fostering communication and collaboration among professionals who apply advanced technologies in the treatment of refractory organ failure.



@ELSO.Org



@ELSOOrg



@elso\_official



@ELSO



@TheELSO

The Extracorporeal Life Support Organization (ELSO)  
3001 Miller Road, Ann Arbor, Michigan 48103, USA

[www.elso.org](http://www.elso.org)

For editorial concerns related to this newsletter, please contact [newsletter@elso.org](mailto:newsletter@elso.org).

Copyright © 2023 The Extracorporeal Life Support Organization. All Rights Reserved.