



NEWSLETTER

JUNE 2025 EDITION

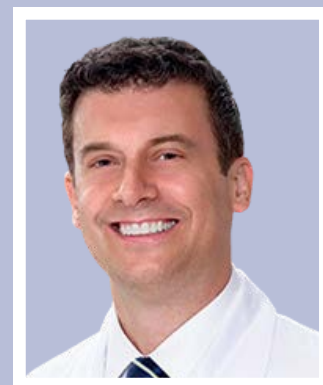
MESSAGE FROM THE PRESIDENT

The energy at ELSO this summer is electric, with new faces and fresh contributions bringing excitement to our organization. This enthusiasm is especially palpable as we prepare for ELSO 2025, where our theme of unity and shared mission is already coming to life. We'll be releasing the full agenda soon on our conference website, and we're confident you'll find a wide range of sessions to pique your interest.

This month, we're thrilled to welcome back Jenelle DeBaeke as the newest full-time member of the ELSO team. We're also excited to have three interns joining us: Olivia Kodra, Bansri Mardaniya, and Caitlin Bocks. We are grateful to have their talent this summer at ELSO, and we are looking forward to what they will contribute.

We have an exciting new program to announce: ELSO's ECLS Center Certification! Please read the newsletter for more information.

Dan Brodie, President, ELSO



IN THIS ISSUE

President's Message	1
Conferences	2
Committee Roundup	3
Communities & Survey Alley	8
Circuit Chatter	9
Chapter Updates	12
Center Certification	14
CEO Remarks	15

CHAPTER CONFERENCES



7th Annual APELSO Conference

Location: Beijing, China

Dates: July 10th - July 12th, 2025

Website: <https://apelso2025.sciconf.cn/>



SWAAC ELSO Conference 2026

Location: Chennai, India

Dates: February 5th - February 8th, 2026



8th Annual APELSO Conference

Location: Tokyo, Japan

Dates: June 12th - June 14th, 2026



7th Annual LATAM Conference

Location: San Jose, Costa Rica

Dates: November 5th- November 7th, 2026

Website: <https://congresosusp.com/congreso-elso/>

COMMITTEE ROUNDUP

ELSO Conference Committee

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

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

A few reminders and updates:

- Abstracts are due by July 14th, 2025 and can be submitted [here](#).
- Early Bird Registration pricing ends on July 14th, 2025!
- Our full agenda will be posted in early July
- Hotel block is filling fast. Book your room [here](#).



Education Committee/ELSO Academy

The Education Committee is excited to share that the **Global Education Committee (GEC)** will hold their next in-person meeting in Washington DC during the ELSO Conference this fall. We would like to welcome everyone who is interested in learning more or contributing to our educational efforts. Details of the meeting, including the agenda, date, time, and location will be forthcoming. E-NPEC testing dates are available now!

Fall 2025 Course Dates

Our 2025 ELSO Simulation Center Education activities are live on ELSO Academy. This Fall, 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! We are planning our 2026 course dates and will be announcing these soon!

ELSO Extracorporeal Membrane Oxygenation (ECMO) Neo/Peds Simulation Course

Dates: October 7-8, 2025 (Session 1) & October 9-10, 2025 (Session 2)

Location: ELSO Headquarters

ELSO Extracorporeal Membrane Oxygenation (ECMO) Adult Simulation Course

Dates: November 4-5, 2025 (Session 1) & November 6-7, 2025 (Session 2)

Location: ELSO Headquarters

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

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

Quality Committee - Award of Excellence

Thank you to all of the Centers who applied during our 2025 application cycle. The committee has enjoyed reviewing your applications and visiting some of your centers. Congratulations to all of you for the amazing work you do every single day!

All programs will be notified of their award status mid-July via email. Your award will be valid for a 3 year period beginning January 1, 2026 through December 31, 2028. The award ceremony will be held during the ELSO Conference in Washington DC in September. Please reach out at award@elso.org if you have any questions.



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

A subset of the SOC is working on updating the mapping of diagnoses codes for our reports. This will ensure the groupings include all the correct codes, reduce the 'other' category and create new categories that are needed.

The feedback we have gotten on the Quality Reporting Platform has been extremely useful and we really appreciate the work our community and registry quality committee has done to make the platform an easy to use tool for quality improvement.

Our team is working on finalizing the first phases of adding a risk adjusted model to the quality reporting platform! After the first phase is completed other age groups and support types modeling will begin.

If you have any questions regarding the quality reporting platform or have suggestions for future updates, please email us at ELSOqualitysupport@elso.org. For questions on entering data into the registry email us at RegistrySupport@elso.org. Questions on requesting ELSO data please email ELSODataRequest@elso.org.





Research Committee

Please contact 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 for details or to get involved.

- **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.
 - **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 award application for FELSO is closing this week! We are excited to review applications in preparation for recipients to receive their award at the ELSO 2025 conference.

As a reminder, 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



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

Development of Standardized Curriculum for Extracorporeal Cardiopulmonary Resuscitation (ECPR)

Please consider participating in this needs assessment survey to help develop a standardized curriculum for ECPR. You will be asked questions regarding your demographics, knowledge/expertise, educational needs, and current obstacles to ECPR curriculum implementation at your institution. All answers will remain confidential and only shared with the study group. Primary survey contact: Shan Modi shanmodi13@gmail.com. Please take a moment to complete the survey here.

https://drexel.qualtrics.com/jfe/form/SV_9Qy4scn6iBQ3I7s

Role of a Perfusionist in Extracorporeal Life Support Management

Please participate in this survey that should take less than 10 minutes, due **July 30, 2025**. In this 28 question survey, we aim to explore training, role, daily management of ECLS tasks, characteristics of programs with and without perfusionists, and management of emergency situations. Inquiries should go to Cristina Scoppa at cristinascoppacv@gmail.com. Thank you, from EuroELSO's Scientific Committee.



BEDSIDE WITH BARTLETT

A NOTE ON THE FUTURE OF THE SECTION



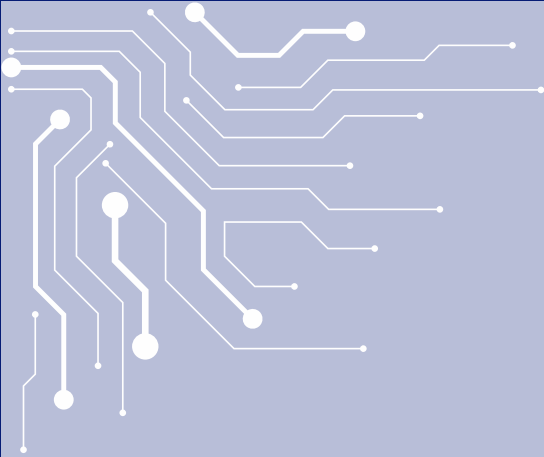
Robert Bartlett, MD

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 with your cases and teach the community about what you learned!



CIRCUIT CHATTER

EDITION 2

WRITTEN & SUBMITTED BY:

RAVI KRISHNA

KIMS ICON HOSPITAL

VISAKHAPATNAM, ANDHRA PRADESH, INDIA

Is SvO₂ reliable for estimating O₂ demand?

A 33-year-old healthy male industrial worker was shifting chemicals into a scrubber when he lost consciousness. He was rescued within a few minutes by a colleague. He was transferred to our hospital and a history of Hydrogen Sulfide (H₂S) exposure was elicited. The patient was intubated and transferred to ICU. His initial blood pressure was 100/60 mm Hg, heart rate was 140 beats/min, SpO₂ was 80%, core body temp was 35.6°C. His SvO₂ was also 80%, suggesting reduced tissue oxygen extraction. 2D echocardiography revealed severely reduced left ventricular ejection fraction (LVEF) of 15%.

The patient's hemodynamics soon deteriorated, and he developed episodes of ventricular tachycardia. Venoarterial (VA) ECMO was initiated. The right femoral artery (21F and 8F distal perfusion cannula) and vein (25F) were cannulated. Initiating ECLS flow of 3.5 L/min resulted in a rise in SvO₂ up to 90 %.

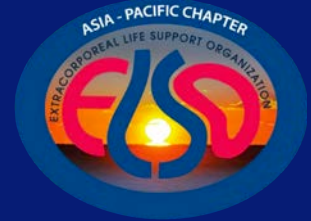
Because of the well-known inhibitory effect of hydrogen sulfide on cytochrome C oxidase, aerobic ATP production is impeded. This leads to an increase in anaerobic respiration and uncoupling of the usual DO₂:VO₂ relationship as oxygen consumption becomes supply dependent. This is manifest as a raised SvO₂. The ECLS flow was therefore maintained at 3.5L/min (100-120 ml/kg/min) whilst the antidote was obtained. The patient received 300mg of sodium nitrite. Over the next few days, the patient's LV started improving along with decreased SvO₂, suggesting normalization of cellular oxygen uptake. ECLS flows were gradually weaned, allowing decannulation on day 5 and discharge home on day 11 of hospitalization.

Hydrogen sulphide, like many poisons, causes disruption of normal oxygen delivery and consumption, suppressing cellular oxygen use and raising SvO₂. ECMOlogists should remain mindful of this physiology when undertaking ECLS for these patients. It is crucial not to decrease flow in this instance despite the high SvO₂ because the patient is completely flow-dependent. A drop in SvO₂ to normal levels signals the resumption of normal metabolism.



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 has been completed by the bylaw committee chaired by Dr. Hwa Jin Cho, and was approved by the ELSO board.
- **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 27-28th. The 2nd Bangkok ECPR course is scheduled for November 2025, organized by Dr. Pranya Sakiyalak.
- **New Treasurer:** Dr. Adrian Matkkee (Brisbane, Australia) was elected at the Steering Committee meeting in June.

Shingo Ichiba, MD, PhD, APELSO Chair

LATAM ELSO

Please join us for the 7th 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.

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](#).

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

Steering Committee: New vacancies will be announced this month, stay connected with your center director for more information

Huda Alfoudri, MD, SWAAC ELSO Chair



EuroELSO

Grants have been officially awarded for the best research project:

Pediatric: Katharina Schmitt – Germany

Title: Neurodevelopmental care for children after pediatric mechanical circulatory support – problem scope, state of care, and parental emotional distress

Adult: Alberto Zanella – Italy

Title: The photosensitivity of drugs may lead to a reduction in their therapeutic efficacy during treatments with extracorporeal circuits

Their grant includes financial support totaling 15k Euros.
Congratulations to our grant recipients!

Mirko Belliato, Chair



CENTER CERTIFICATION



*"One of the most important things ELSO will do in the future is certify individuals and centers."
Dr. Robert H. Bartlett, June 2025*

For three years, ELSO has been certifying individual practitioners at the foundational level through the E-AEC and now E-NPEC certification program. We are happy to announce this month that, after two years of hard work with a global Center Certification Task Force of ~50 people representing every ELSO region, ELSO's ECLS Center Certification Program is ready!

Developed by ECMO practitioners, this program is designed to be helpful to any program at any stage of development - long-term centers, to centers that are planning an ECLS program. The [blueprints](#) are organized by level and can be a guide on what ELSO believes programs should have in place.

Our Phase 1 centers will be released in the coming months. A huge thank you to them for their work. Phase 2 is by invitation. Please let us know if you are interested by emailing centercertification@elso.org.



CHIEF EXECUTIVE OFFICER REMARKS

Why We Do What We Do

During the COVID-19 pandemic, when demand for ECMO far exceeded supply, we were all struggling to find resources for patients that needed access desperately. What we didn't have was an easy way to find those centers capable of doing which scope of service; we couldn't easily create a regional hub and spoke model, nor could we have a systematic and public way of showcasing that for anyone that needed this information, including beyond our ELSO community.

Many hospitals wanted to begin an ECMO program. As we always do, we help each other when we can. And we did. You all did. However, we didn't have the tools and resources to share with any program that wanted to start; or any program that needed to advocate for what they needed to their hospital leadership and/or government for adequate resources.

Since then, we have spent time creating a new program that we hope will help any program - old and just beginning - achieve what they need for the community of patients they serve and for the teams delivering that work: ELSO's ECLS Center Certification program.

We are happy to release, for free, the blueprints associated with each of the three levels that define the clinical scope of services. All of them are important. When they work together to create a regional system, this creates a better environment for everyone in the region.

When Dr. Bartlett called me on a weekend recently, he told me that he believed certifying people and centers was one of the most important things ELSO will do in the future.

In the spirit in which Dr. Bartlett does most things, please help us make it better. We look forward to broad participation in an effort to take better care of our patients everywhere. We will be more ready for the next crisis, whether it is a pandemic or something else. We have a great history of helping each other out. Let's, as this program is intended.

Thank you for being such a great community to work together with.

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

For editorial concerns related to this newsletter, please contact newsletter@elso.org.

Copyright © 2025 The Extracorporeal Life Support Organization. All Rights Reserved.