

THE EXTRACORPOREAL LIFE SUPPORT ORGANIZATION (ELSO)

May 21, 2020



THE ELSO E-NEWSLETTER

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Editor: Kennethia Banks



Christine Stead, ELSO CEO

Since the beginning of the pandemic, we know our community has been rising to the occasion, and your commitment to patients, your communities, and each other is an inspiration.

We anticipate that COVID-19 will be with us for a while. We will continue to share what we are learning together through webinars, guidance and guidelines on ECMO in COVID-19, capacity planning tools, and other means in the coming months. We also appreciate those of you contributing your data to the COVID-19 registry addendum. This information will continue to play an important role in advancing knowledge about the use of ECMO in COVID-19.

ELSO has made the responsible and difficult decision to have a virtual meeting for this year's Annual Meeting. We were looking forward to seeing everyone in Hawaii. We are planning an exciting virtual program and look forward to connecting with you there.

ELSO President, Mark Ogino, provided an excellent update of our work over the past two months to help support our members and share lessons learned. Please take a moment to watch his [update](#).

The ELSO community is strong because of our collaborative approach to advancing knowledge that continues to improve the use of ECMO for patients. We will have an exciting announcement coming soon about our education offerings.

ELSO is committed to serving our members. We are interested in your feedback on the tools, knowledge, and infrastructure that will better meet your needs. As always, please let us know how we can better meet your needs.

Christine Stead, ELSO CEO

COMMITTEE UPDATES

Registry Committee

The ELSO Registry launched the COVID-19 Addendum on March 20th and then built a real-time reporting platform. Now 6 weeks later members from over 150 centers in more than 30 countries have entered data for more than 750 patients. Thank you all for generating a leading resource in COVID-19.

Not all member centers have had the opportunity to complete the data entry exam. If no one at your center has completed the data entry exam ELSO will send you an email in the coming month to remind you how to complete the exam and to offer resources to assist you if you have any questions. Thank you so much for your time and attention.

SAVE THE DATE — July 12th

Deadline to enter data before the registry is closed for report generation and updates.

Education & Logistics Committee

The April ELSO Adult ECMO Management Course and ECMO Cannulation Workshop were both canceled due to the COVID-19 pandemic, with plans to expand the November course and workshop. Registration will begin in August. The ECMO101 Module, a free online introductory ECMO course, is now available online. ELSO will have an announcement on a *comprehensive education and certification program* soon, available this year!

ELSO is expanding endorsed course sites to increase access to training. Please contact Elizabeth Moore at emoore@elso.org, if your center is interested.

Conference Committee - Virtual Annual Meeting; Canceling Hawaii Details

In light of the COVID-19 pandemic ELSO is developing virtual programming as part of the Annual Meeting this year. Our commitment to a safe learning environment is our top priority. We will have an updated agenda available on our website as soon as possible. While we hoped for a wonderful time together in Hawaii, we believe a virtual meeting is the most responsible approach. Our team is developing a meeting plan that you won't want to miss for this year and we hope to be back together in 2021.

If you have already registered, please cancel your registration for a full refund. We will have a new registration for the virtual meeting. If you have any questions, please contact Kennethia Banks at kbanks@elso.org.

Committee updatescontinued

Communications Committee

ELSO has several important updates related to the COVID-19 pandemic: a live dashboard of our registry; a dedicated [COVID-19 page](#) on our website; a series of webinars with more planned; video updates from our President, Mark Ogino; a discussion board with dedicated topic channels for COVID-19 and related areas; an [ECMO Capacity Map](#); and more. We continue to develop communication tools and content, including new surveys, and equipment tracking tools in development. If you have more ideas for us, please let us know.

Device and Technology Committee

Problems with ECMO equipment availability?

The ELSO technology group has put together a task force to create a survey of all ELSO programs to better understand the frequency of equipment back-orders, geographic variability of equipment back-orders, and the impact on patient access. This information will be shared with our industry partners and allow ELSO to best act on your behalf in trying to mitigate challenges in maintaining programmatic readiness. Please look for the survey and respond accurately and expeditiously.

Award of Excellence

The Awards for 2020 have all been scored. We are ready to run the statistics needed to determine levels and comparisons between the centers. Centers who were being awarded at EuroELSO will be notified shortly. We are developing an award notification and celebration for our 2020 winners. We will have more announcements soon, which we will post on our website as well as specific announcements to our ELSO community.

Due to the COVID-19 pandemic, the committee is not conducting any site visits this year. Once all awards have been announced, plaques will be shipped out as soon as possible. We will ensure your plaques arrive safely to acknowledge your important achievement as a Center of Excellence.

Guidelines & Protocol Committee

ELSO recently published [guidelines](#) on the use of ECMO in COVID-19. ELSO is continuously working on updating our guidelines. The current guidelines can be found [here](#).

BEDSIDE WITH BARTLETT

Robert Bartlett, MD Founder-ELSO, UM Liaison



Dr. Robert Bartlett is considered by many to be the “Father” of ECMO. He has a vast amount of experience and has faced many critical situations and decisions. In this newsletter series, he will join us on ECMO rounds at the bedside.

Is there a question or clinical situation that you would like to ask Dr. Bartlett?

Please Send your question to: newsletter@elso.org

CASE# 3

A newborn infant with left diaphragmatic hernia has had a successful repair with good gas exchange but is suddenly hypoxic and hypercarbic 12 hours later. She is failing rapidly despite high frequency oscillator ventilation, 100% oxygen, inhaled nitric oxide, and a variety of drugs. What is the problem? What should we do?

This is an old fashioned presentation of diaphragmatic hernia. It is the way ECMO was developed in the very early days. After ruling out problems like plugged endotracheal tube, pneumothorax, pericardial tamponade, intraabdominal bleeding, etc., the cause is most likely pulmonary arteriolar spasm creating the persistent fetal circulation syndrome. This is quickly and easily managed by venoarterial access. Because the baby had good lung function for a period of hours after CDH repair, the baby has enough lung to survive. A few days of good V-A support will usually result in relaxation of the pulmonary vasospasm with normal lung function.

UPCOMING ELSO & COLLABORATIVE MEETINGS

31st Annual ELSO Conference | A virtual meeting is being planned

09/23/2020 - 09/26/2020

Please see the event link [here](#).

Location: ELSO will host a virtual conference this year

Kennethia Banks 734-995-6600 kbanks@elso.org and Peter Rycus 734-998-6601 prycus@elso.org

9th Euro-ELSO Meeting | London, England

03/29/2021 - 03/31/2021

<https://www.euroelso-congress.com/>

Location: London, England

euroelso2020@interplan.de

32nd Annual ELSO Conference | JW Marriott - Indianapolis, Indiana

09/30/2021 - 10/03/2021

Location: JW Marriott - Indianapolis, Indiana

Kennethia Banks 734-995-6600 kbanks@elso.org and Peter Rycus 734-998-6601 prycus@elso.org

ELSO & ELSO Endorsed Courses/Workshops

Our Cannulation Workshop planned for the Annual Meeting is cancelled. We are expanding capacity for our November workshop.

Extracorporeal Life Support in Adult Critical Care: An ELSO Course | Emory Conference Center
Atlanta, GA 11/11/2020 - 11/14/2020

Registration will open in August 2020

Location: Emory Conference Center Atlanta, GA

Kennethia Banks 734-998-6600 kbanks@elso.org

ELSO Cannulation Workshop | Emory Conference Center

Atlanta, GA 11/15/2020 - 11/16/2020

Registration will open in August 2020

Location: Emory Conference Center, Atlanta, GA

Kennethia Banks 734-998-6600 kbanks@elso.org

As stated earlier in the Education & Logistics Committee update, ELSO is expanding endorsed course sites to help increase access to training. Please contact Elizabeth Moore at emoore@elso.org, if your center is interested.

Please visit our website for all [Non-ELSO Meetings](#)

ELSO WEBSITE ACCESS PRIVILEGES

Have you reviewed your ELSO Website Access Privileges Recently?

Did you know that you have to assign website access to your team members? There are many different levels of access for Coordinators, Medical Directors and Staff; depending on their role and responsibilities, they may need access to the ELSO Website.

Reviewing your Center's member's assignments should be done every year when renewing your ELSO Center membership. People may leave your institution or their roles may change. Recently a physician realized that she could have access to view their Center's Registry Data reports instead of waiting for the Coordinator to send them out.

Also, if your Center is applying for the Award of Excellence in Life Support, the Medical Director(s) must have access in order to review the application and sign off as Director on the submission. Additionally, other staff may be given access to the application for editing purposes.

Detailed instructions on the roles and how to assign them for the website may be found at:

<https://www.else.org/Manage/>

RESEARCH

COVID-19 Critical Care Consortium

ELSO is proud to be the sponsoring institution, in collaboration with the University of Queensland and Oxford University, of a global effort to study COVID-19: the [COVID-19 Critical Care Consortium](#). AP ELSO Chapter Chair John Fraser, MD launched this study and a recent [JAMA](#) article covered the study, novel for its scope of participation and the effort to collaborate globally. IBM and Amazon are partners in this work. To enroll, please email ecmocard@else.org or covid19@else.org.



EuroELSO Survey on ECMO use in COVID-19

EuroELSO Survey has been sharing ECMO in COVID-19 information since March, which has been an important effort in the European region. Please see the survey results [here](#), thanks to our Chapter Chair Jan Belohlavek, MD and Roberto Lorusso, MD for developing the survey platform.

Common Practices in ECMO

Please help us understand the variability in practices surrounding sedation and brain death pronouncement in ECMO patients by answering questions on this survey. It should take about 2 minutes to complete the questions. We are very grateful for your time and contribution. Please click the survey link below. *Swarna Rajagopalan, MD*

<https://s.surveypalnet.com/Gm6TVimO>

RESEARCH

Challenges During ECMO Cannulation for Patients with COVID-19

Dramatically increased efforts to limit the exposure risk to uninfected patients and personnel have underscored some unique challenges faced by clinicians when providing ECMO support for patients with suspected or confirmed COVID-19 infection. Researchers at the University of Washington are evaluating the strategies employed at ECMO centers for training staff and the various obstacles providers have had to overcome during cannulation, cannula positioning, and initiating ECMO for these patients. Please take the time to fill out a brief, anonymous survey (link below) and offer your insight! *Charles Lawrence, MD*

<https://www.surveymonkey.com/r/QKXQL2B>

Multicenter Collaboration on Vaping-Associated Pulmonary Injury and ECLS

As you are likely aware, there have been an increasing number of patients hospitalized with Vaping-Associated Pulmonary Injury (VAPI). Many of these patients require ICU admission, mechanical ventilation, and, in a few cases, extracorporeal life support (ECLS). We are working to describe and standardize the use of ECLS in VAPI. We believe that, together, we have an opportunity to change that and through the collection of data and knowledge dissemination. This is a public health situation that the ECLS community has the opportunity and responsibility to address.

If you have managed a patient with confirmed or suspected Vaping-associated pulmonary injury who received ECLS (or if you know of anyone who has), please email mathew.t.harting@uth.tmc.edu and/or vikas.gupta@uth.tmc.edu

We will follow up with an email including the data collection, IRB approvals, and DUA – it will be straightforward. Please feel free to contact with us any comments or questions. We appreciate your help in expanding the knowledge base of this emerging, enigmatic pulmonary disease.

Vikas Gupta, MD and Matthew Hartling, MD

Neonatal and Pediatric ICU patients with COVID-19

The COVID-19 Critical Care Consortium Study is conducting a survey to gather focused information on the pediatric inflammatory multisystem syndrome. Please take our survey: <https://www.surveymonkey.com/r/2XS95HK>

Thank you for your help.

Hwa Jin Cho, MD; Eva Marwali, MD; Mark Ogino, MD

Do you have a research study that you would like highlighted in our e-newsletter?

If you have a research study that you would like us to include in the upcoming e-newsletter, please send a short description, with title and link to newsletter@elso.org, for consideration.

ELSO Publications

Need an ELSO publication? Spanish version? Please visit <https://www.else.org/Publications.aspx>

Red Book 5th Edition — [print and eBook](#)

ECMO Specialist Training Manual 4th Edition — [print and eBook](#)

ELSO Merchandise

Check out our ELSO Store (Scrubs coming soon!!)

<https://stores.inksoft.com/else/shop/home>

Orders that come in before the 14th of the month will be sent out on the 15th, and those after the 14th will be sent out at the end of the month.

Announcements

Adult Transport Working Group

Thank you for reaching out to learn more about joining this innovative ELSO workgroup!

This is an exciting time for us that do Adult ECMO Transport. We at ELSO feel that collaboration is key in being successful in ventures such as transport. We welcome you in sharing what your center's process is in doing transport whether it is by ground or by air. Please watch for further communication and information to come as we create an Adult ECMO Transport group contact list.

We look forward to working with all of you as we move towards formulating best practices and safe practices in Adult ECMO Transport. Please feel free to contact Erin August eaugust@else.org with any further questions or concerns.

Receiving too many emails or emails are going to the wrong personnel?

The Manage tab on the ELSO Website also has a tab "Manage Directory Personnel". The Center Admin has the ability to add, change roles, delete personnel here. This is where the medical directors, co-directors, coordinators, etc. are listed with their contact information. This list is very important as all communications from ELSO are directed to these individuals.

For assistance on how to navigate granting privileges: <https://www.else.org/Manage/WebsiteHelp.aspx>

The Extracorporeal Life Support Organization (ELSO)

Our Mission:

To provide support to institutions delivering extracorporeal life support through continuing education, guidelines development, original research, publications and maintenance of a comprehensive registry of patient data.

The Guiding Principles of ELSO are:

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.

What's Trending?



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Connect with us on [LinkedIn](https://www.linkedin.com/company/ELSO)

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