

THE EXTRACORPOREAL LIFE SUPPORT ORGANIZATION (ELSO)

March 5, 2020



THE ELSO E-NEWSLETTER

INSIDE THIS ISSUE

Important News 2
Bedside with Bartlett 3
Upcoming Events..... 4
Education 5
Research 6-7
Shop all ELSO 7
Announcements.....8

The ELSO Board of Directors is pleased to announce the addition of Christine Stead as Interim CEO



Ms. Stead holds a Bachelor of Science degree in Cellular & Molecular Biology from the University of Michigan and a Master of Health Services Administration in Health Management and Policy, also from the University of Michigan. She has spent the last 20 years in management consulting with a wide variety of healthcare-related customers, focusing on strategy with a strong operational foundation.

According to ELSO’s President, Dr. Mark Ogino “We look forward to Christine leveraging her considerable management experience for the benefit of ELSO, as we chart our course for the future.”

With the guidance of its Executive Director, Peter Rycus, ELSO has achieved significant growth on an international scale, both in terms of revenue and membership. The addition of Ms. Stead will allow ELSO to continue this growth while expanding its leadership role in other related areas. Ms. Stead will provide leadership in defining and implementing the organizational structure needed to achieve these goals.

IMPORTANT NEWS

THE NOVEL CORONAVIRUS

The novel coronavirus (2019-nCoV) has recently emerged in Wuhan, China. This virus has spread across China and to a number of other countries. This 2019-nCoV is a distinct and separate virus from the viral agents that cause Severe Acute Respiratory Syndrome (SARS) or Middle East Respiratory Syndrome (MERS). This virus is the 7th known coronavirus to infect humans. The clinical syndrome caused by 2019-nCoV appears to extend from asymptomatic or mild disease to severe life threatening pulmonary disease.

The Extracorporeal Life Support Organization (ELSO) would like to stress that it is important to follow guidelines for isolation and personal protective gear put forth by the World Health Organization (WHO) or the Centers for Disease Center (CDC) [<https://www.who.int/emergencies/diseases/novel-coronavirus-2019>; <https://www.cdc.gov/coronavirus>]. Data regarding the infectiousness and pathogenicity of the 2019-nCoV are still being obtained and evaluated. ELSO would like to stress the importance of following guidance for protection of health care workers.

The WHO is distributing an interim guidance document for the “Clinical management of severe acute respiratory infection when novel coronavirus (2019-nCoV) is suspected.” ELSO would also like to stress the importance of following basic recommendations for care of all patients with respiratory or cardiac disease. ELSO believes that in appropriate patients with 2019-nCoV ECLS should be considered as it would in other patients with severe cardiac or respiratory disease. The WHO guidance includes a statement to “consider referral of patients with refractory hypoxemia despite lung-protective ventilation...in settings with access to expertise in ECLS.” Several cases of the successful application of ECLS in patients suffering from 2019-nCoV have been reported. Currently, there is little experience with the use of ECLS to support patients infected with 2019-nCoV. Further, experience and data related to this new virus will be forthcoming. ELSO will continue to collect data through our member centers and provide recommendations as additional becomes available.

REPORTING COVID19 CASES INTO THE ELSO REGISTRY

In an effort to better understand the impact of COVID19 on ECMO we have added a question asking if a patient has COVID19. There are 4 response options.

COVID19 confirmed by testing

COVID19 suspected but NO testing

No clinical suspicion of COVID19 (and no testing)

COVID19 confirmed negative

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: kbanks@elso.org

CASE# 1

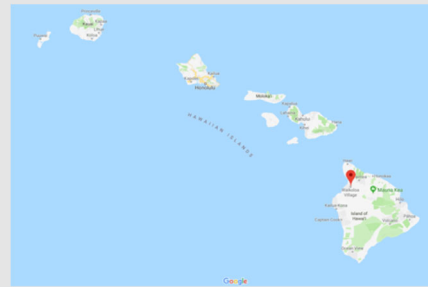
A six month old girl post preemie has developed RSV pneumonia infection. Her condition is deteriorating to the point where ECMO is required. What is the best vascular access?

Veno-arterial access through the neck vessels is the best approach. A double lumen catheter could be placed in the right atrium via the jugular vein. This can provide good gas exchange support and heart function will probably be normal, but in a small child, the placement of a double lumen catheter can be difficult. This child will be on ECMO for 2 or 3 weeks and the V-V catheters are very positional. To assure good chronic support, and to avoid catheter problem phone calls every night, just use V-A access.

CASE# 2

A 25 year old man is has profound septic shock with respiratory failure. He is cannulated for VA ECMO via the femoral vessels. As soon as the circuit is turned on, the venous drainage blood is as bright red as the infusion arterial blood. There is no improvement in the patient’s condition. What is happening and what should be done?

Both catheters are in one vessel, most likely the femoral vein. This is a serious emergency. If the cannulator is not a surgeon, find a surgeon ASAP. The solution is to remove the infusion catheter from the vein and place it into the artery. This requires exposing the vessels by direct cut down. For the surgeon, you will need good light, good suction, and 2 Weitlaner self-retaining retractors. Make a transverse incision inferior to the inguinal ligament, expose the vessels, and replace the arterial infusion cannula under direct vision. Be prepared for major bleeding from the femoral vein. The usual cause of this problem is that one or both vascular catheters have gone through the femoral artery into the femoral



UPCOMING ELSO & COLLABORATIVE MEETINGS

9th EuroELSO Congress 2020 | Queen Elisabeth II Congress Center, London, England
05/06/2020 - 05/08/2020

<http://euroelso-congress.com>

Location: Queen Elisabeth II Congress Center, London, England

euroelso2020@interplan.de

30th Annual Specialist Education in Extracorporeal Membrane Oxygenation (SEECMO) | St. Louis, MO
05/29/2020 - 05/31/2020

<https://cme.wustl.edu/index.cfm?do=pln.viewActivity&plannerID=6042>

Location: St. Louis, MO

Nicole O'Connor nicole.oconnor@bjc.org

31st Annual ELSO Conference | Hilton Waikoloa Village - Big Island of Hawai'i
09/23/2020 - 09/26/2020

Registration NOW OPEN!!

<https://www.elseo.org/Events/2020Hawaii.aspx>

Location: Hilton Waikoloa Village - Big Island of Hawai'i

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

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@elseo.org and Peter Rycus 734-998-6601 prycus@elseo.org

Please checkout our website for all Non-ELSO Meetings

<https://www.elseo.org/Education/NonELSOMeetings.aspx>

ELSO & ELSO ENDORSED COURSES/WORKSHOPS

ECMO training course | University of Texas Southwestern Medical Center

03/23/2020 - 03/25/2020

<https://cme.utsouthwestern.edu/rp2003a>

Deadline: 03/16/2020

Location: University of Texas Southwestern Medical Center

Donna Taylor 2144568445 donna.taylor@childrens.com

Extracorporeal Life Support in Adult Critical Care: An ELSO Course | Emory Conference Center
Atlanta, GA

04/01/2020 - 04/04/2020

Registration Closed

<https://www.else.org/Membership/Courses/April2020Course.aspx>

Location: Emory Conference Center Atlanta, GA

Kennethia Banks 734-998-6600 kbb@else.org

ELSO Cannulation Workshop | Emory Conference Center, Atlanta, GA

04/05/2020 - 04/06/2020

Registration Closed

Location: Emory Conference Center, Atlanta, GA

Kennethia Banks 734-998-6600 kbb@else.org

Cannulation Workshop | Hilton Waikoloa Village - Big Island of Hawai'i

09/21/2020 - 09/22/2020

<https://www.else.org/Events/2020Hawaii.aspx>

Location: Hilton Waikoloa Village - Big Island of Hawai'i

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

Extracorporeal Life Support in Adult Critical Care: An ELSO Course | Emory Conference Center
Atlanta, GA

11/11/2020 - 11/14/2020

Registration will open May 2020

Location: Emory Conference Center Atlanta, GA

Kennethia Banks 734-998-6600 kbb@else.org

ELSO Cannulation Workshop | Emory Conference Center, Atlanta, GA

11/15/2020 - 11/16/2020

Registration will open May 2020

Location: Emory Conference Center, Atlanta, GA

Kennethia Banks 734-998-6600 kbb@else.org

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 what their role and responsibilities are, 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 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.elso.org/Manage/WebsiteHelp.aspx>

RESEARCH

ASSESSMENT OF EXPERT PRACTICE

Thank you for your participation in this assessment of expert practice with regards to ECMO and acute kidney injury and fluid management. In 2012, the KIDMO group performed the first assessment of this domain and discovered wide ranging variability in practice, specifically with regards to the use of renal replacement therapy (RRT). Nearly a decade has passed and the field of critical care nephrology, particularly in neonates and children has developed exponentially in interest, research, and discovery. Please help us understand the current landscape of practice, and how it has changed, in the intersection of the most complex therapy we offer to critically ill children.

You may open the survey in your web browser by clicking the link: [KIDMO](#)

If the link above does not work, try copying the link below into your web browser: <https://redcap.choa.org/redcap/surveys/?s=PNE9FJAHFD>

Rajit K Basu, MD MS FCCM | Associate Professor of Pediatrics | Emory School of Medicine

ARBORMETRIX POWERED ELSO QUALITY REPORTING PLATFORM

We would like your feedback on the ArborMetrix powered ELSO Quality Reporting Platform. Enclosed you will find 8 questions to help us evaluate how we can improve the platform for you.

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

EXTRACORPOREAL CARDIOPULMONARY RESUSCITATION

We would like to invite you to participate in a study that will help describe the current stated practice patterns regarding extracorporeal cardiopulmonary resuscitation (ECPR) in critically ill children, with the aim to identify perceived indications for pediatric ECPR. This survey is endorsed by ANZICS-PSG, ESPNIC, and PALISI, and supported by ELSO. The questionnaire consists of four clinical scenarios of a child presenting in refractory cardiac arrest. The results of this survey will help design future trials on ECPR. It takes about 10 to 15 minutes to complete this questionnaire: http://bit.ly/ECPR_PICU

We would like to thank you in advance for your collaboration.

Oliver Karam, Ravi Thiagarajan, and Javi Lasa, on behalf of the investigators

CALLING ALL COORDINATORS

Calling all Coordinators! We want to hear from you! Please email me any topics you would like for us to discuss at our Coordinator's Meeting in Hawaii to

Guillermo Herrera at gherrera@childrensnational.org ! See you there!

Research.....continued

New Addendum for Trauma Patients in ELSO Registry

A new registry addendum for Trauma patients is being developed. The Trauma Addendum will be an additional resource to obtain reliable and specific data about trauma patients supported with ECMO, especially regarding the severity of injuries and anticoagulation. Several publications report acceptable outcomes in trauma patients supported with ECMO, upwards of 70% for respiratory support. We need more evidence to support this statement and the Trauma Addendum should provide it.

ECLS in Trauma ELSO Working Group is looking for about 40 ELSO centers to agree on submitting data into the Trauma Addendum. Please contact Justyna Swol M.D. Ph.D. at jswol@icloud.com if your center is interested to participate in this project.

Justyna Swol, MD, PhD, and David Zonies, MD, MPH on behalf of ECLS in Trauma ELSO Working Group.

SEDATION AND BRAIN DEATH PRONUNCIATION

Please help us understand the variability in practices surround sedation and brain death pronunciation 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.

Our survey link : <https://s.surveypplanet.com/Gm6TVimO>

Swarna Rajagopalan, MD

KEEPING WET CIRCUITS FOR 60 DAYS OR MORE - WHO DOES IT AND HOW?

https://forms.office.com/Pages/ResponsePage.aspx?id=6IP0rqLa4EO-YoGAZun_Y_SbbSPgaZJIsC7R66ISZ7xUQ1FMM1E2MFBQsjJUR0tEQk9aSURLSThCTC4u

Rebecca Denna, RNC — Sutter Medical Center, Sacramento

Shop All ELSO

Need a publication? Please visit <https://www.else.org/Publications.aspx>

Red Book 5th Edition — eBook now available!

<http://www.lulu.com/content/e-book/extracorporeal-life-support-the-else-red-book-5th-edition/25396269>

ECMO Specialist Training Manual 4th Edition — eBook now available!

<http://www.lulu.com/content/e-book/ecmo-specialist-training-manual-4th-edition/25396365>

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

TIME TO UPDATE YOUR CENTER'S MEMBERSHIP LIST!

It's 2020 – a new decade!! Have you reviewed your ELSO Center membership list? This is the list of all personnel who have access to the various parts of the ELSO Website. Managed by your designated 'Center Admin', they grant access to the Registry, Award of Excellence Site and other areas.

You may have more than one Center Admin – in fact it is ideal to have more than one person, in the event that the primary admin is unavailable.

Additionally, personnel who no longer work for your institution should be removed from the list.

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>

HAVE YOUR SAY!

ELSO needs your opinion to help make The Red Book 6th Edition even better than the fantastic Red Book 5th Edition!! Please take the short 5 question survey to help us make #6 the best one yet!!!!"

<https://www.surveymonkey.com/r/RedBook6>

ELSO Communication Committee

ASAIO JOURNAL

The ASAIO Journal is looking to increase its pool of reviewers with ECMO and ECLS expertise. If you would be interested in serving as a reviewer for the journal, please contact Dr. Mark Slaughter, Editor-in-Chief, at editor@asaiojournal.net

ADULT ECMO TRANSPORT WORKGROUP

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 Dr. Cara Agerstrand or Erin August with all questions and concerns. eaugust@mhs.net

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???



Like us on Facebook!!

If you use Facebook, please visit our sites and "like" us! We intend to use Facebook as a way to present information not only ELSO members but also to anyone who is interested in our organization.

www.facebook.com/ELSO.org

Euro-ELSO Facebook page: www.facebook.com/EuroELSO



Follow us on Twitter!!

www.twitter.com/ELSOOrg

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ELSO OFFICE
2800 Plymouth Road
Building 300 Suite 303
Ann Arbor, MI 48109
Phone: 734-998-6600
Fax: 734-998-6602

Peter Rycus, MPH
prycus@elso.org

