



News Letter

ECMO SOCIETY OF INDIA

Editor:



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Dr. Kapildev Thakkar

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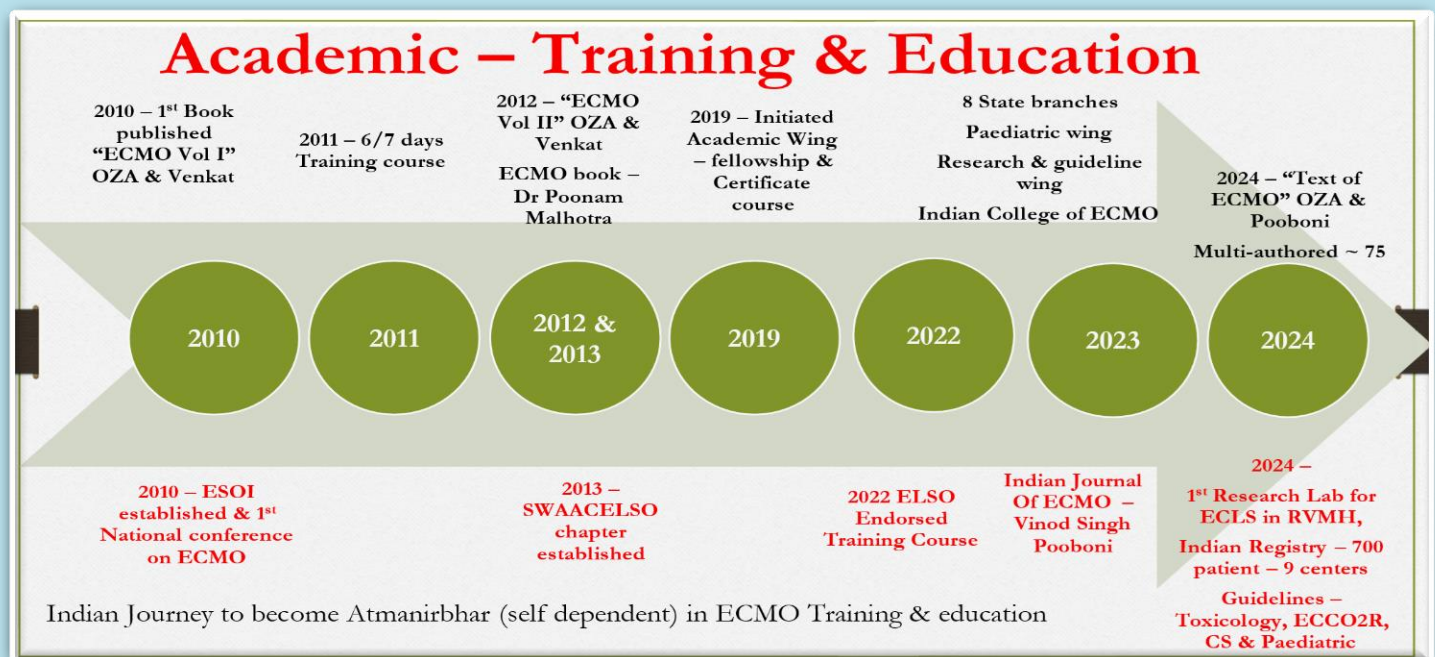
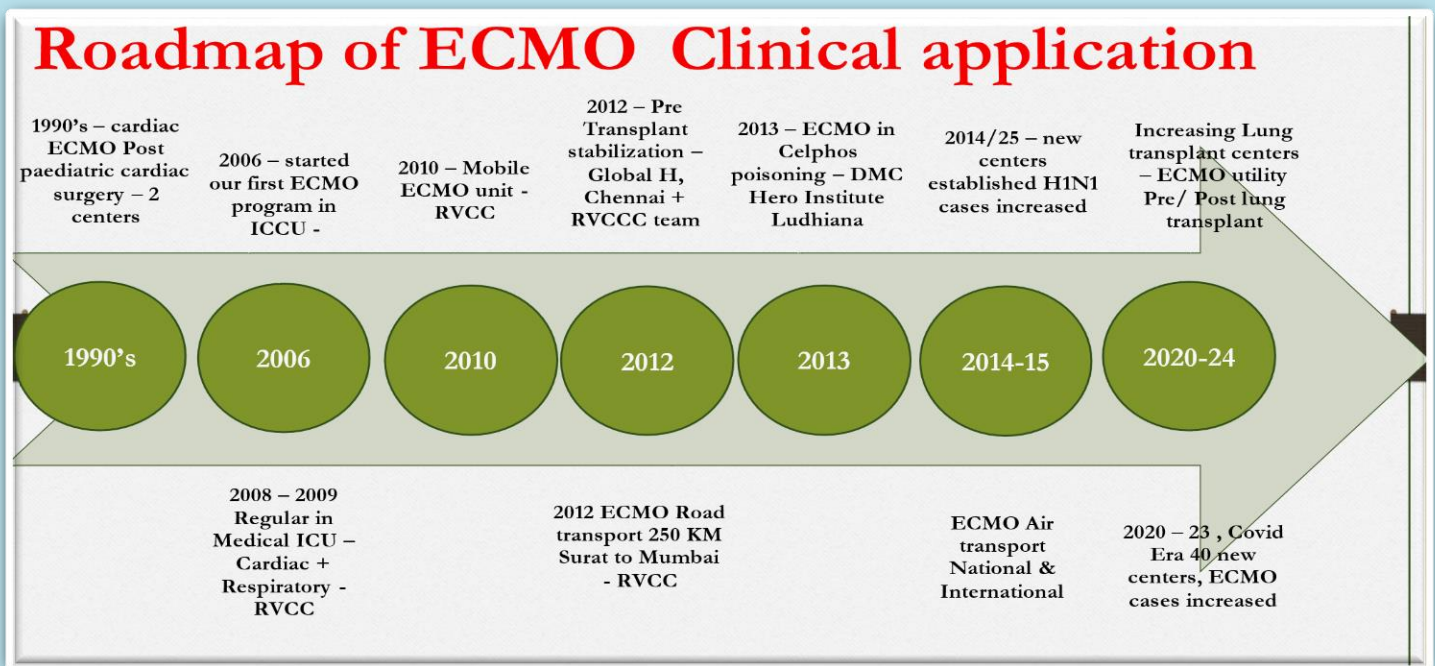
Page 16: Cover Page - Indian Journal of ECMO



ECMO SOCIETY OF INDIA - NEWS LETTER

ESOI – the Journey so far...

History Of ECMO in India dates back to 1990's when ECMO was done for paediatric cardiac ECMO (mostly post-surgical) in 2 premium institutes from India but due to hospital policies they never shared their data. ECMO utility in critical care for both respiratory & cardiac conditions in adults started in 2006 from RVCC.





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2010 remained landmark year in history of ECMO in India when the first mobile (Outreach) ECMO unit was established & also the birth year of ESOI & the first book on ECMO from Indian authors. The two graphics above beautifully narrates the milestones in Clinical & Academic journey of ECMO in India.

Recognizing the increasing need to consolidate the field and to promote awareness, continuing education, collecting Indian data and research in this field, the “ECMO society of India. (ESOI)” was formed in November 2010 with the headquarters in Mumbai, India. Long Journey of ESOI remain slow & steady after decade of its existence it has taken a momentum.

Our training course got global recognition in 2022 & became ELSO endorsed course & until now more than 1000 delegates have been trained by the society in last 14 years.

Since current year ESOI had started with four standing committees, which includes education and simulation committee, research and guideline committee, communication committee and journal committee. Tenure of this committees will be for 3 years 2023 – 2026.

ESOI come up with two more wings other than academic, like pediatric and allied health wings. Also started with eight state branches like Maharashtra, Gujarat, Tamil Nadu, Andhra & Telangana, Rajasthan, Kerala, Delhi & Jharkhand & Bihar. Three more state branches will be formed in this academic year & i.e. Karnataka, West Bengal & Punjab and Haryana.

The sole aim of expansion is to spread awareness of ECMO among medical fraternities, general public & associates with more dedicated people working for ECMO.

Almost more than 65 centers now have been registered with ESOI, where ECMO program is going on & some of them started sending data. First Indian registry on ECMO will be released soon in 2024. Society has also started with dedicated journal on Extracorporeal therapies known as Indian journal of ECMO in 2022 (4 issues of the journal has been already released). Soon the society is planning to come out with Indian guidelines & we have already started working on guidelines for ECMO in Toxicology, ECCO2R, Cardiac ECMO for Cardiogenic Shock (CS) & Paediatric ECMO. Society is working on develop ECPR & shock team program in near future all over India & the first step towards that is to start with one day master class on ECPR & Cardiogenic Shock which will be conducted on 10th June 2024.

In order to become more vocal & visible, we have started with our You Tube channel, Facebook page, twitter & Instagram accounts. The link of all is given on the last page of this newsletter kindly join us on social media.

Long Live ESOI,

Pranay Oza & Venkat Goyal

PuzzIECMO

58-year-old pt on VV-ECMO, on Day 3... having started recurrent chattering. Initial fluid bolus, reduction in RPM and drainage cannula repositioning didn't help much. After 3 hours, flow came down to zero and somehow managed with increasing ventilator settings. What could be the cause & possible next step?

(See the answer on page 15)



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ESOI – Committees & Wings:

EXECUTIVE COMMITTEE OF ESOI 2023-24

Board of Directors

No.	Dr. Name	Email ID	Contact No.
1	Dr. Suneel Pooboni	poobonisk@hotmail.com	9642562218
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6	Dr Vivek Gupta	dr_vivekg@yahoo.com	9815398993

Past President 2023 – 2024

No.	Dr. Name	Email ID	Contact No.
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President 2023 – 2024

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1	Dr Pranay Oza	drpranay.oza@gmail.com	09821214971

President Elect 2023 – 2024

No.	Dr. Name	Email ID	Contact No.
1	Dr Vivek Gupta	dr_vivekg@yahoo.com	9815398993

Vice President 2023 – 2024

No.	Dr. Name	Email ID	Contact No.
1	Dr Dipanjan Chatterjee	drdipanjan@gmail.com	9051420205

General Secretary 2023 – 2024

No.	Dr. Name	Email ID	Contact No.
1	Dr Nandkishore	vnkkumar@yahoo.com	9951400733

Joint Secretary (Nomination) 2023 – 2024

No.	Dr. Name	Email ID	Contact No.
1	Dr K Madhan Kumar	drkkmks@yahoo.com	9841389689



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Treasurer – 2 years - 2022 – 2024

No.	Dr. Name	Email ID	Contact No.
1	Dr P K Das	drdas_73@rediffmail.com drdas_73@icloud.com	9936565574

Executive Members – 4 members 1 year 2023 – 2024

No.	Dr. Name	Email ID	Contact No.
1	Dr Ramesh Varadharajan	jipmerramesh@gmail.com rameshvaradharajan@ymail.com	9943480966
2	Dr Srishti Jain	srishti5484@gmail.com	7820895064
3	Dr Sanjeev Mittal	drsmittal@gmail.com	9999999299
4	Dr Monalisa Mishra	dr.monalisamishra1@gmail.com	9167840338

Standing Committee of ESOI - 2023-2026

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1	Dr Vivek Gupta	dr_vivekg@yahoo.com	9815398993
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7	Dr Pranay Oza	drpranay.oza@gmail.com	9821214971
8	Dr Rakesh V	rakesh.mbbs2004@gmail.com	9741000280

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1	Dr Suneel Pooboni	poobonisk@hotmail.com	9642562218
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PAEDIATRIC WING 2023 – 2026			
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4	Dr Shivakumar	drshiv_2000@yahoo.com	
ALLIEND HEALTH WING 2023 – 2026			
5	Deblal Pandit	perf_pandit@yahoo.co.in	9831160077
6	Manjush	manjushnair@hotmail.com	



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STATE COMMITTEE OF ESOI 2023-25

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Maharashtra 2023 – 2025				
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Gujarat 2023 – 2025				
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3	Executive Member	Vishal Sardhara	dr.vishal.synergy@gmail.com	9016559532
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Andhra & Telangana 2023 – 2025				
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7	Executive Member	Dharanindra Moturu	newgenmedico@outlook.com	9686347350
Kerala 2023 – 2025				
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5	Executive Member	Rajesh Raushan	dr Rajeshraushan@gmail.com	9051093251



Message from the President:

DATA REALLY POWERS EVERYTHING THAT WE DO.” — JEFF WEINER

Dear Friends,

It is a great pleasure & honor to be the President of ECMO society of India. I remained as an active member of society since the inception of the society (2010) & served in different posts. Our society has grown from neonates to pediatrics in last one decades & achieved few mile stones from 2010 till date like increased in member strength, developed our own website, our course got ELSO endorsed & now doing it twice a year, started Fellowship & certificate course for ECMO (from 2019) & we came out with our journal Indian Journal of ECMO (IJECMO) this year. Society is now approaching an adolescent age full of energy, enthusiasm & many dreams to be fulfilled.

ECMO awareness has increased significantly during Covid time in Intensive care society with more centers initiated ECMO program. So, it's the need of the time for our society to grow further & outreach all upcoming centers & help them develop ECMO program. One of the aims of society is to have standardized ECMO practice & have our own guidelines.

As a President my vision for the coming year is –

- Membership drive – Increase both individual and institutional membership.
- To make some amendments in the society constitution & make major reforms like –
 - Starting state branches of ESOI (should be done by end of May)
 - Introduce standing committees – tenure will be for 3 years (by End of April)
 - Start new Wings of ESOI – at present society has only one Academic wing, Society is planning to have 2 more wing – Pediatric & Paramedical wings with an intension to increase participation of our colleague of different specialist (by end of April)
- To Initiate electronic election procedure from 2024 (details will be declared by October 2023)
- To make our journal (IJECMO) quarterly & get it an Indexed journal (by mid of 2024)
- To start collecting data from different centers – You can Enter the data directly on our website by clicking on this link here.
- To come out with “Text Book of ECMO” from our society (by August 2023).
- Increase the number of institutes affiliated for fellowship courses so that we can enroll more fellowship & certificate students.
- Emphasize to develop cardiac ECMO & ECPR programs.
- Data Collection – My message started with quote on data collection, my emphasis will be on making Indian ECLS Data & for that I am planning to make one of the standing committees on data & research which I will be heading. I will need all your whole hearted support. For data I just wants to say “With data collection, ‘the sooner the better’ is always the best answer.” — Marissa Mayer.
- Initiate the process of Guidelines, recommendations & position paper from society.
- SOP for standardization of ECMO training courses.

I will leave no stone unturned for the vertical growth of our society and I am sure with all the support of my team & the members of society we will do our best.

Long live ESOI

Pranay Oza,

President ESOI



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EDUCATION AND AWARENESS PROGRAMM BY ESOI in 2023 - 2024:

ELSO endorsed training courses.

15th ECMO training course ECMO society of India Presents "A Six days (Hybrid – 3 days Virtual & 3 days onsite) Interactive learning sessions on ECMO" June 2023, 27-29 May – Virtual talk, 2-4 June – Hands on & stimulation, Venue – Riddhi Vinayak Multispecialty Hospital Nallasopara (west), Mumbai. Course was attended by 58 participants, predominantly were Medicos (95%, out of which 60% were Intensivist & 27% were CVTS & cardiac anaesthetist, 5% emergency medicine) while remaining were paramedics (5% paramedical).

Glimpses of training course – <https://www.youtube.com/watch?v=ZheBQ2OlpEk>



16th ECMO training course ECMO society of India Presents "A Six days (Hybrid – 3 days Virtual & 3 days onsite) Interactive learning sessions on ECMO" October 2023, 7 – 9 October – Virtual talk & 13 – 15 October – Hands on & stimulation, Venue – Riddhi Vinayak Multispecialty Hospital Nallasopara (west), Mumbai. Course was attended by 55 participants, predominantly were Medicos (95%, out of which 50% were Intensivist, 24% paediatric Intensivist & 15% were cardiac anaesthetist) while remaining were paramedics (5% paramedical)

Glimpses of training course – <https://youtu.be/MrmLutn21S8>



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17th ECMO training course ECMO society of India Presents “A Six days (Hybrid – 3 days Virtual & 3 days onsite) Interactive learning sessions on ECMO” January 2024, 22 – 24 January – Virtual talk & 26 – 28 January – Hands on & stimulation, Venue – Riddhi Vinayak Multispecialty Hospital Nallasopara (west), Mumbai. Course was attended by 58 participants, predominantly were Medicos (92%, out of which 62% were Intensivist, 15% paediatric Intensivist, 2% Pulmonologist, 3% CVTS & 10% were cardiac anaesthetist) while remaining were paramedics (8% paramedical)

Glimpses of training course – <https://youtu.be/pT-pgiqny1A>





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13TH ANNUAL NATIONAL CONFERENCE 2024:

13th annual national conference 2024 was held in Hyderabad at Yashoda Hospital Hi Tech City. Participation was from more than 100 tertiary Hospitals and ECMO centers, representatives from 14 Countries, one day separate pediatric and Adult ECMO workshop. Here we conducted the national ECMO Fellowship exam for 40 students. There was a separate wall for ECMO survivors with their video and audio messages. Some glimpses of the conference.





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ECMO Workshops

One day workshop on ECMO in Respiratory critical care congress 2023 at Kolkata on 29/4/2023.



One day workshop on ECMO in Paediatric cardiology society of India (PCSI) meeting held in Chennai on 23/11/2023.



Pics of one day workshop on ECMO in South Zone critical care conference held in Hyderabad on 17/11/2023.





UPCOMING ACADEMIC EVENTS

18TH ECMO TRAINING COURSES

March 2024

29th - 31st March VIRTUAL TALK

05th - 07th April HANDS ON & SIMULATION

Riddhi Vinayak Multispeciality Hospital, Nallasopara (W)

6 days Interactive Learning Sessions on ECMO.

18th ECMO Training Course
ECMO INDIA 2024 MUMBAI
 29 - 31 MARCH - VIRTUAL TALK
 5 - 7 APRIL - HANDS ON & SIMULATION
 ECMO SAVES LIVES.....
 at... Riddhivinayak Critical Care and Cardiac Centre
 ELSO endorsed Simulation based ECMO training course
 ECMO SOCIETY OF INDIA

19TH ECMO TRAINING COURSES ALONG WITH MASTER CLASS ON ECPR & CARADIOGENIC SHOCK

June 2024

01st - 03rd June VIRTUAL TALK

07th - 09th June HANDS ON & SIMULATION

10th June – Master class on ECPR & Cardiogenic Shock

Riddhi Vinayak Multispeciality Hospital, Nallasopara (W)

6 days Interactive Learning Sessions on ECMO.



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CASE:

35-year-old patient of mixed connective tissue disorder, presented with pulmonary hemorrhage with severe hypoxia. Even on ventilator, he suffered refractory hypoxia with one episode of cardiac arrest. He was rescued on Fem-Fem VV ECMO and stabilized. As he was receiving immunosuppression and getting properly awake, he was extubated on Day 3 on ECMO and ambulated with physiotherapy. Meanwhile, pulmonary hemorrhage got resolved and he was weaned off on Day 8. He got discharged after 10 days with completion of therapy.

Awake Ambulatory ECMO is a cornerstone in managing immunocompromised patients to reduce VAP and ensure early recovery. We are indebted to physiotherapists and nurses for making it possible.



Dr Arpan Chakraborty
Apollo Multispeciality Hospital, Kolkata



Stay Connected with ESOI

- ESOI Websites:
www.ecmosocietyofindia.com
www.esoi-courses.com
- MEMBERSHIP FORM: Can do registration using below link:
https://www.ecmosocietyofindia.com/ESOI_Membership.php
- ELSO Endorsed Comprehensive Simulation based ECMO Course: Registration using below link
https://www.ecmosocietyofindia.com/Conference_Registration.php
- Institute Membership Form link: Institutional membership is free
https://www.ecmosocietyofindia.com/ESOI_instituteform.php
- Data Collection Form link: Submit your data – Basic & Advance
https://www.ecmosocietyofindia.com/Ecmo_Datasheet.php
- To have an access Our exclusive journal ECLS (IJECCMO) – click on
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- Connect with us on twitter
@esoi_india
Twitter Link: https://twitter.com/esoi_india



UPDATES ON RESEARCH AND Guidelines Activities of ESOI:

On going activities of the societies are:

- Guidelines for Toxicology & ECMO – Primary Investigator Vivek Gupta & Pranay Oza
- Guidelines for ECCO2R – Primary Investigator Arpan Chakraborty
- Guidelines for Cardiogenic Shock & Shock team – Primary Investigator Venkat Goyal & Pranay Oza
- Guidelines for Paediatric Respiratory ECMO – Primary Investigator Suneel Pooboni

If you want to get associated with any of the projects kindly send your contact details with the project name (which you want to get associated) on

ecmosocietyofindia@hotmail.com, drpranay.oza@gmail.com, WhatsApp no. 9821214971

Send your reviews/ feedback/ Suggestions about the newsletter on WhatsApp no. 9432062377, 9879547024 Or arpan1977ster@gmail.com, drkapilthakkar001@gmail.com

Forth coming issues – Features

- Indian Registry on ECMO From ESOI First time in India (most Awaited)

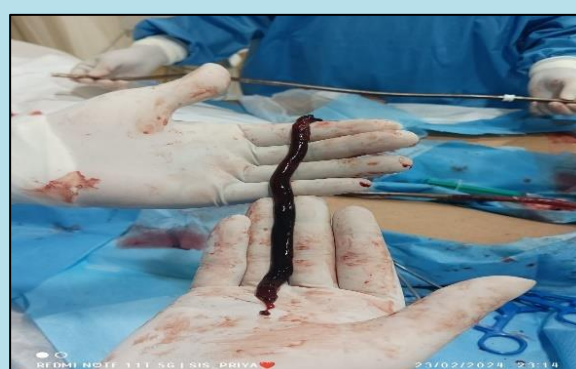
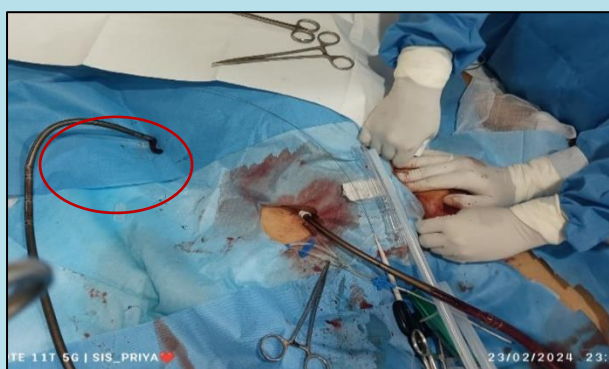
PuzzlECMO Answer

Issue - frequent chattering followed by no flow

Differential diagnosis - Clot in circuit or in drainage cannula or in return cannula. Clot in pump would have drop in all circuit pressure & usually not preceded by chattering, clot in oxygenator would have high delta pressure. Clot in return cannula would have both increased P2 & P3. As the preceding incidence was repeated chattering, the likely problem with drainage cannula.

Confirmation - we have separated patient from circuit, circuit running well so issue with drainage cannula confirmed also poor backflow from drainage cannula.

Management - we changed to maximum ventilator settings first. The other groin painted and separate drainage cannula prepared to insert. After the second venous cannula inserted following 1mg/kg Heparin bolus, the drainage tube connected to it and full flow achieved. We took out the existing drainage cannula which showed large clot inside blocking the side holes. Root cause management - we increased ACT target






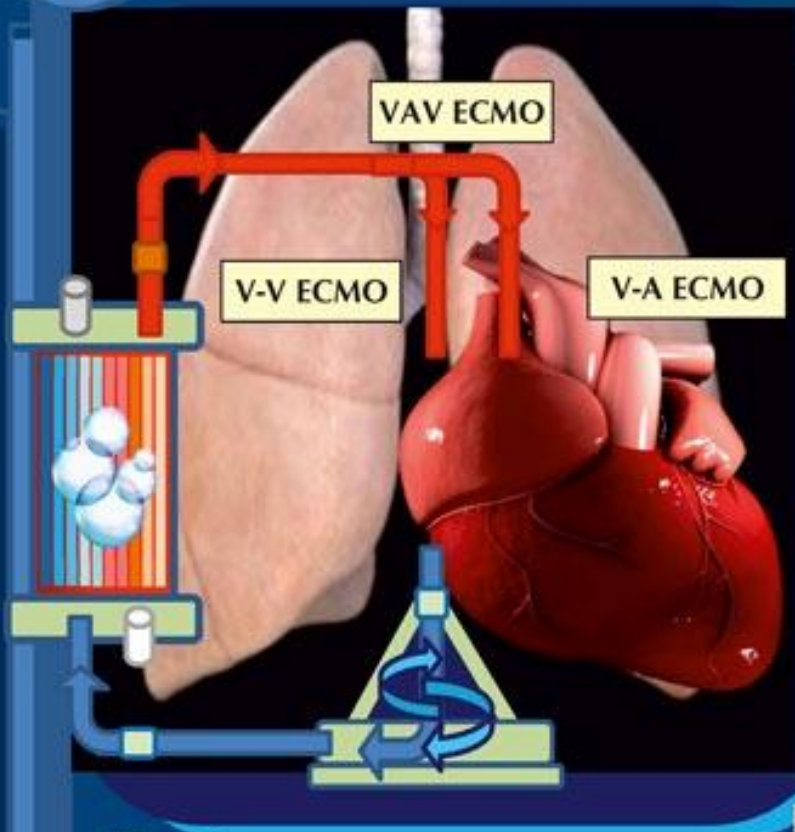

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Indian Journal of ECMO:


July-December 2023 Volume 1 Issues 3-4



Indian Journal of ECMO

JAYPEE Journals



Bibliographic listing:
J-Gate, WorldCat, PORTICO

IJECMO
Also available online at
www.jaypeejournal.com
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