

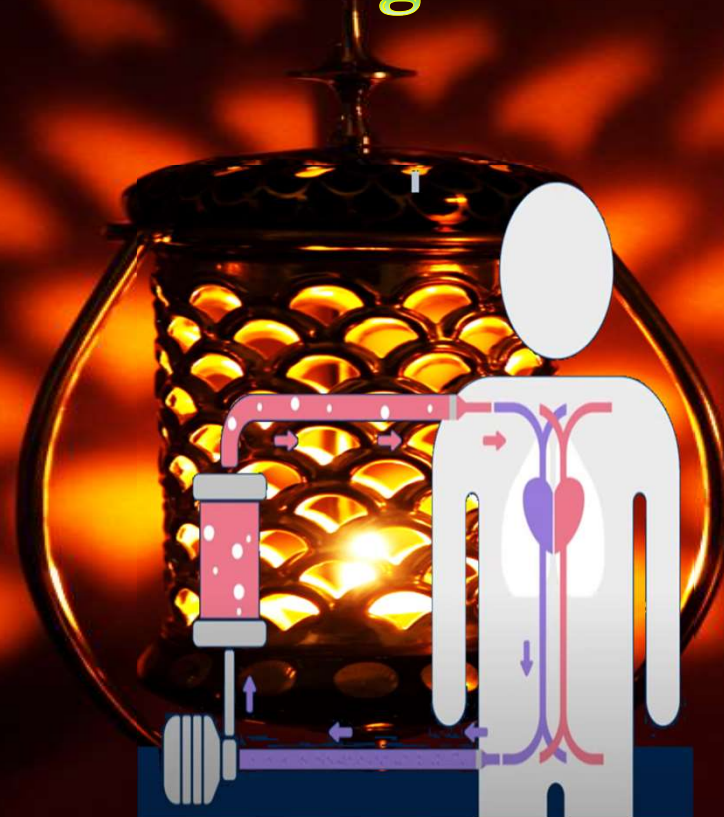
24th ECMO Training & 12th ELSO Endorsed Course



**ELSO ENDORSED
COMPREHENSIVE
SIMULATION -
BASED ECMO
COURSE**



**Center of Excellence –
Gold – 2025 - 2027
2018 – 8/2021
Platinum – 2021 – 12/2024**



**ECMO INDIA
2025 MUMBAI**

**24 – 26 OCTOBER – VIRTUAL TALK
31 OCTOBER – 02 NOVEMBER – HANDS
ON & SIMULATION**

ECMO SAVES LIVES.....



at....

**Riddhivinayak Critical Care and Cardiac Centre
ELSO endorsed Simulation based ECMO training course**

ECMO SOCIETY OF INDIA

ESOI



24th ECMO Training Course & 12th ELSO Endorsed

ECMO society of India

Presents

**“A Six days (Hybrid – 3 days Virtual & 3 days onsite) Interactive
learning sessions on ECMO “**

OCTOBER 2025

24 – 26 OCTOBER – VIRTUAL TALK

31 OCTOBER – 02 NOVEMBER – HANDS ON & SIMULATION



RIDDHI VINAYAK
Critical Care & Cardiac Centre

**Venue – Riddhi Vinayak Multispecialty Hospital
Nallasopara (west), Mumbai, India**



Who should join & how?

- **Interested people**
 - Registered medical professionals who are keen to adapt ECMO as a career choice., like....
 - Intensivists – adult, pediatric, neonates
 - Perfusionists
 - Registered critical care nurses
 - Respiratory therapists
 - Cardiologists, Cardiac or Vascular surgeons or Anesthetists
 - Post graduate candidates MD,MS
 - Preferably teams of 3 to 5 people from the critical care centers which include intensivist, perfusionist & registered nurse
- **Course fees Including Redbook (6th Edition ELSO – e version)**
 - For training course – Rs 18000 / per person for doctors
 - For training course – Rs 15000/ per person for paramedical
 - For members of ESOI only – Rs 17000/- for doctors and Rs 14000 for paramedical
 - For ESOI students – Fellowship – Rs 15000 & certificate – Rs 13000
 - For foreign delegates – \$ 300 (only training course)
- **Contact number – 9821214971 / 9820321815**
- **For registration - https://www.ecmosocietyofindia.com/Conference_Registration.php**

Salient features –

- **Hard core training for those who are keen for ECMO as a carrier**
- **ELSO Endorsed Course – this makes you eligible for “ELSO Adult ECMO Practitioner Certification (E-AEC)” Step I & step II, for details visit <https://www.else.org/ecmo-education/certificationexam.aspx>**
- **Audio – visual training with wet lab experience**
- **6 days course (Hybrid – 3 days Virtual & 3 days onsite)**
- **From 24 – 26 October 2025 Virtual talks from 5 PM to 9 PM**
- **From 31 October – 2 November 2025 workshop & simulation offline**
- **Around 32 lectures by ECMO & field experts – national & international**
- **Practical sessions –**
 - **21 hours for practical session – water drill, Demonstration, Hands on & High-Fidelity Simulation**
 - **The delegates will be divided in 6 groups for 6 interactive station & mandatory hands-on experience.**
- **Simulation and Exam on day 6**
- **Study material includes – book on ECMO, videos & slide presentations.**
- **Limited seats around 60 for training course**

National Faculty

- Dr Venkat Goyal
- Dr Vivek Gupta
- Dr Pranay Oza
- Dr Nandkishore
- Dr Arpan Chakraborty
- Dr Vinod Singh
- Dr Rakesh V
- Dr Indira Jayakumar
- Dr Vishal Sardhara
- Dr Dipanjan Chatterjee
- Dr Poonam Malhotra

- Dr K. Madhan Kumar
- Dr Kapil Thakkar
- Dr Riyan Shetty
- Dr Shivakumar
- Dr Jayanthi kishore
- Vamshi J
- Ravikrishna

International Faculty

- Dr Suneel Pooboni
- Dr RAMANATHAN K R

ESOI Training Course, Day 1, 24th October 2025, Friday

	Pre Course Test MCQ – 20 marks – ONLINE on 23/10/2025 via Google form	
17.00 – 17.05	Inauguration & Lamp Lightening	
17.05 – 17.20	Course overview	Pranay Oza/ Venkat Goyal
17.20 – 17.40	ECMO – introduction & Indications	Riyan Shetty
17.45 – 18.05	History & statistics	Suneel Pooboni
18.10 – 18.30	ECMO – physiology	Pranay Oza
18.35 – 18.55	Type of ECMO - VA ECMO	Vivek Gupta
19.00 – 19.20	VV ECMO	Suneel Pooboni
19.25 – 19.45	Hybrid ECMO & Nomenclature	Rakesh V
19.50 – 20.10	Cannulation	Dipanjan Ch
20.15 – 20.35	Initiation & Monitoring	Shivakumar
20.40 – 21.00	Management	Vinod Singh
21.05 – 21.25	ECMO organization	Venkat Goyal

ESOI Training Course, Day 2, 25th October 2025, Saturday

17.00 – 17.15	Recap	
17.20 – 17.40	Ventilation strategy during ECMO	Vivek Gupta
17.45 – 18.05	Sedation & analgesia during ECMO	Nandkishore
18.10 – 18.30	Neurological monitoring of ECMO	Suneel Pooboni
18.35 – 18.55	Patient related complications & management	Kapil Thakkar
19.00 – 19.20	Blood transfusions – when & what	Indira Jayakumar
19.25 – 19.45	Proning, Nursing care & Physiotherapy of patient on ECMO	Rakesh V
19.50 – 20.10	Transport of patient on ECMO	Dipanjan Ch
20.15 – 20.35	Weaning, trial off & decannulation	Pranay Oza
20.40 – 21.00	Anticoagulation during ECMO	Poonam Malhotra
21.05 – 21.25	Renal issues & Dialysis during ECMO	Vivek Gupta

ESOI Training Course – Day 3, 26th October 2025, Sunday

17.00 – 17.15	Recap	
17.20 – 17.40	ECMO in sepsis	Ramanathan K R
17.45 – 18.05	Role of Echo in ECMO	Venkat Goyal
18.10 – 18.30	Infections during ECMO	Suneel Pooboni
18.35 – 18.55	ECPR	Arpan Chakraborty
19.00 – 19.20	CO2 Removal device	Arpan Chakraborty
19.25 – 19.45	ECMO in Transplant ICU	K. Madhan Kumar
19.50 – 20.10	Paediatric respiratory ECMO	Nandkishore
20.15 – 20.35	Surgical interventions during ECMO	Dipanjan Ch
20.40 – 21.00	Newer indication & future of ECMO	Venkat Goyal
21.05 – 21.25	Cardiac stunning – prevention & management	Pranay Oza

ESOI Training Course, Day 4, 31st October 2025, Friday

07.45 – 08.15	Registration & Breakfast	
08.15 – 08.35	Recap	
08.35 – 09.45	Practical Session – Demonstration of Components, Circuit preparation & Circuit priming	Pranay Oza/ Venkat Goyal
9.45 – 10.45	Practical Session – Demonstration of Initiation, Monitoring on ECMO – Simulation	Pranay Oza & Venkat Goyal
10.45 – 11.30	Practical Session – Demonstration of Cannulation VV/ VA ECMO	Pranay Oza & Venkat Goyal
11.30 – 11.45	Inauguration & Lamp Lightening	Venkat Goyal & Pranay Oza
11.45 – 13.45	Practical sessions (25 mins each)	
	Station I – Initiation of ECMO – case selection, Cannulation & anticoagulation planning	Dipanjana Chatterjee
	Station II – Circuit preparation – selection of component & making circuit & calculation of priming volume	Suneel Pooboni, Kapil Thakkar
	Station III – Circuit priming – priming volume & priming solution	Vishal Sardhara
	Station IV – Cannulation – Hands on VV/VA ECMO	Venkat Goyal
	Station V – Initiation of ECMO – case selection, Cannulation & anticoagulation planning	Pranay Oza
	Station VI – Circuit preparation – selection of component & making circuit & calculation of priming volume	Ravikrishna
	Station VII – Circuit priming – priming volume & priming solution	Vamshi
	Station VIII – Cannulation – Hands on VV/VA ECMO	Rakesh V
13.40 – 14.30	Lunch	
14.30 – 15.40	Simulation on Ambulance Transport scenario Simulation on Proning, Trial off VA ECMO, Mobilization while on ECMO	Pranay Oza & Venkat Goyal
15.45 – 17.45	Practical Session (30 mins each) Station I – Weaning, Trial off & weaning failure VV/ VA ECMO Station II – Transport on ECMO Simulation Station III – Proning on ECMO Simulation Station IV – Mobilization while on ECMO Station V – Weaning, Trial off & weaning failure VV/ VA ECMO Station VI – Transport on ECMO Simulation Station VII – Proning on ECMO Simulation Station VIII – Mobilization while on ECMO	Suneel Pooboni, Ravi Krishna Vishal Sardhara Dipanjana Chatterjee Venkat Goyal Vamshi Kapil Thakkar Rakesh V Pranay Oza
17.45 – 18.30	Practical Session – Demonstration of Management of complications	Pranay Oza & Venkat Goyal

ESOI Training Course – Day 5, 1st November 2025, Saturday (Application of ECMO)

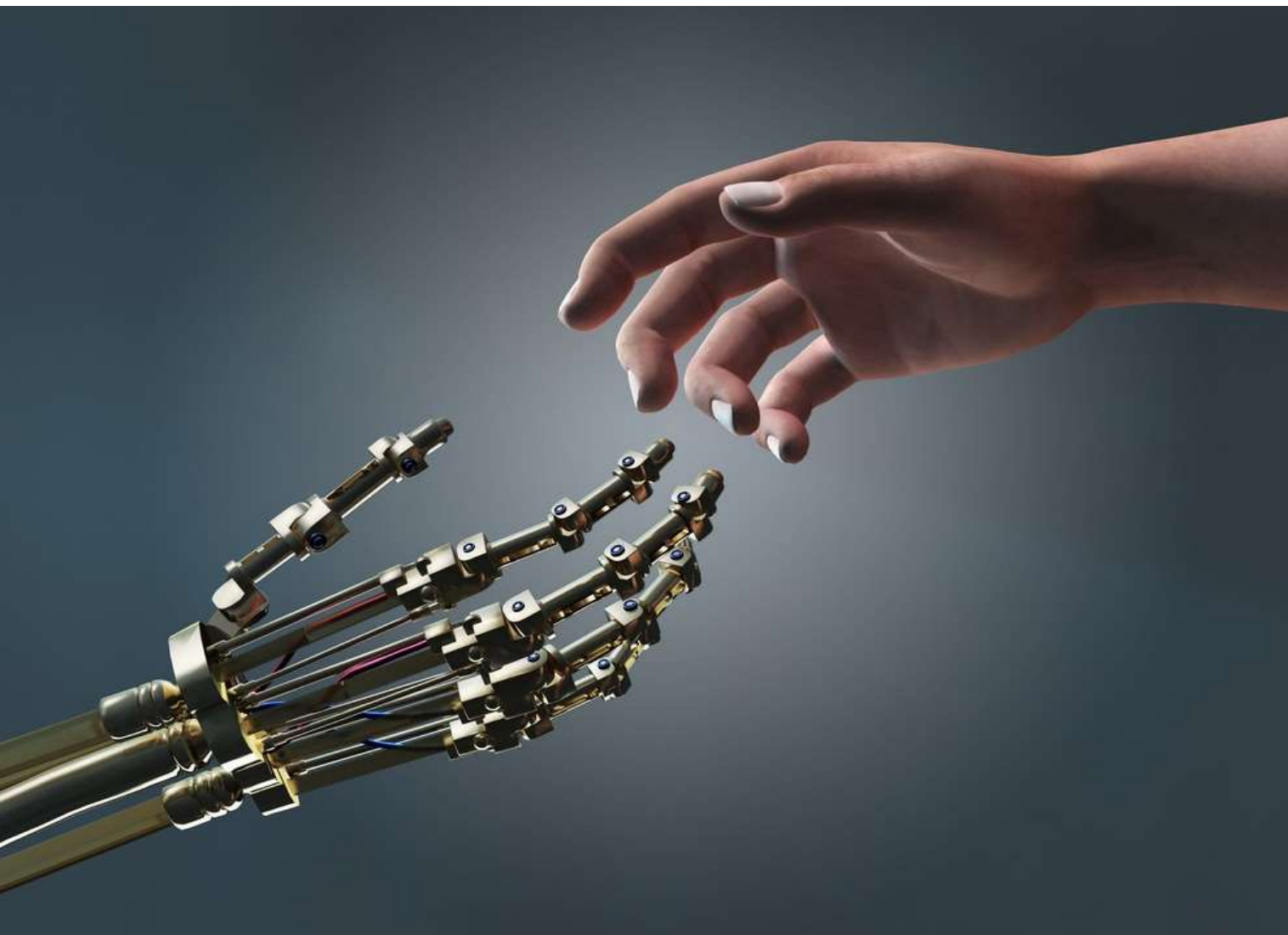
07.30 – 08.00	Breakfast	
08.00 – 08.20	Discussion on Pre Course test Answer	
08.15 – 09.00	Panel discussion – Ethical Issues In ECMO, Panellist – Pooboni, Venkat Goyal, Vivek Gupta, Dipanjan Ch	Arpan Chakraborty
09.00 – 11.00	Practical Session (40 mins each) - Mechanical Complication Station I – Power failure Station II – Air Embolism Station III – Component change – Pump Station IV – Component change – Oxygenator failure Station V – Power failure Station VI – Air Embolism Station VII – Component change – Pump Station VIII - Component change – Oxygenator failure	Ramanathan K R Kapil Thakkar Dipanjan Chatterjee Rakesh V Venkat Goyal, Vishal Sardhara Vamshi Ravikrishna Pranay Oza
11.00 – 11.15	Tea Break	
11.15 – 12.15	Trouble shooting	Pranay Oza
12.15 – 12.30	How to make ECMO Economical	Pranay Oza
12.30 – 13.30	Lunch Break	
13.30 – 17.30	Simulation Scenarios on mechanical emergency – Simulation 1 Simulation 2 Simulation 3 Simulation 4 Simulation 5 Simulation 6 Simulation 7 Simulation 8	Pranay Oza, Ramanathan K R
17.30 – 19.00	Practical Exam, Mechanical complications – Power Failure (Mandatory for all), Priming & Change of components (Optional)	Entire Faculty

ESOI Training Course – Day 6, 2nd November 2025, Sunday (ECMO Simulation)

07.40 – 08.20	Breakfast	
	EXAMS – MCQ 40 marks (ONLINE on 1/11/2025 late evening)	
Simulation Station – 13 Scenarios (6 students in each group)		
08.35 – 09.05	Simulation Case I	Venkat Goyal
09.10 – 09.40	Simulation Case II	Pranay Oza, Ramanathan K R
09.45 – 10.15	Simulation Case III	Vivek Gupta
		Suneel Pooboni
10.15 – 10.35	TEA BREAK	
10.40 – 11.10	Simulation Case IV	Venkat Goyal
11.15 – 011.45	Simulation Case V	Pranay Oza, Ramanathan K R
11.55 – 12.25	Simulation case VI	Suneel Pooboni
		Vivek Gupta
12.30 – 13.00	Simulation Case VII	Arpan Chakraborty
13.10 – 13.45	Simulation Case VIII	
13.45 – 14.15	Simulation Case IX	
14.20 – 14.50	Simulation Case X	Venkat Goyal
14.55 – 15.25	Simulation Case XI	Pranay Oza
15.30 – 16.00	Simulation Case XII	Ramanathan K R
		K. Madhan Kumar
16.05 – 16.35	Simulation Case XII	Arpan Chakraborty
16.35 – 16.50	Validating Function & Group photo	

Time Distribution of the course

	Content of course	Time Spent in Minutes						Total time in mins
		D1	D2	D3	D4	D5	D6	
1	Didactic Lectures	200	200	200	00	120	0	675 (11 hrs & 15 mins)
2	Central Demonstration	00	00	00	105	60	0	165 (2 hrs & 45 Mins)
3	Workstation & Simulation session	00	00	00	405	315	360	1080 (18 hrs)
4	Lunch & Teatime	00	00	00	55	75	60	190 (3 hrs & 10 mins)
5	Question / answer & Recap time	50	65	65	15	15	15	105 (1 hr & 45 mins)
6	Total time	250	265	265	580	580	435	2210 (36 hrs & 50 mins)



For details – Contact:

Dr Venkat Goyal –

9820321815 / 09223186500

Dr Pranay Oza –

09821214971 / 09223186518

**Venue – RIDDHI VINAYAK MULTISPECIALITY HOSPITAL,
NALLASOPARA (WEST)** www.ecmosocietyofindia.com

Registration:

Doctors: Rs 18000

(Members : Rs 17000)

Paramedical: Rs 15000

(Members : Rs 14000)

ESOI Fellowship Student : Rs. 15000

ESOI Certificate Student : Rs. 13000

It Includes RED BOOK (6th Edition ELSO – e version)

International delegates : \$300 (only training course)

Registration Link :

https://www.ecmosocietyofindia.com/Conference_Registration.php

PUNJAB NATIONAL BANK Account Name : Academy of
Critical Care Current Account No : 3734002100026756 IFSC
code : PUNB0610100



UPI ID: 9820321815m@pnb