

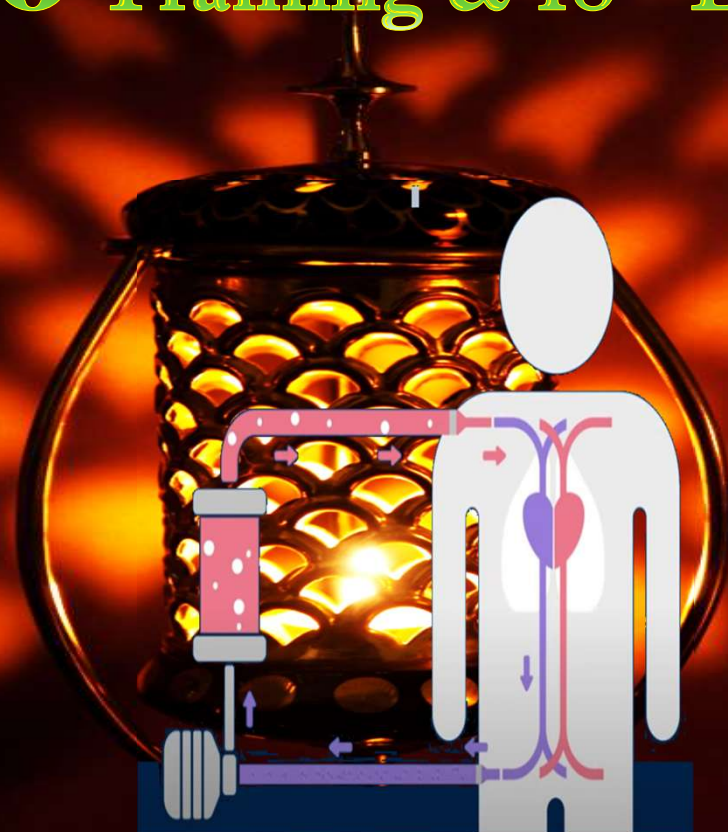
30th ECMO Training & 18th ELSO Endorsed Course



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



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



ECMO INDIA 2027 AT RVMH, MUMBAI

**01 – 03 JAN – VIRTUAL TALK
07 – 09 JAN – HANDS ON &
SIMULATION**

**FOLLOWED BY
MASTER CLASS ON ECPR & MCS
ON 04 JAN (VIRTUAL) & 10 JAN (HANDS
ON)**

ECMO SAVES LIVES.....



at....

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

ECMO SOCIETY OF INDIA



30th ECMO Training Course & 18th ELSO Endorsed

ECMO society of India

Presents

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

JANUARY 2026

01 – 03 JANUARY – VIRTUAL TALK

07 – 09 JANUARY – HANDS ON & SIMULATION

FOLLOWED BY -

MASTER CLASS ON ECPR & MCS

ON 04 JANUARY (VIRTUAL) & 10 JANUARY (HANDS ON)

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



RIDDHI VINAYAK
Critical Care & Cardiac Centre



Who should join & how?

- **Interested people**
 - Registered medical professionals who are eager 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**
 - 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) \$ 350 – training course with Master class
 - Master class (10th January) – Only Mater class Rs 5000, Master class with training course – 3000 + training course fees
- **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 01 – 03 January 2027 Virtual talks from 5 PM to 9 PM**
- **From 7 – 9 January 2027 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**
- **Followed by - Master class on ECPR & MCS workshop on 04 Jan (Virtual) & 10 Jan (Hands on)**

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 K. Madhan Kumar
- Dr Kapil Thakkar
- Dr Shivakumar
- Dr Ravi Krishna
- Dr Muralikrishna
- Dr Rajan Barokar
- Dr Vamshi J
- Dr Niranjan Panigrahi
- Dr Srivatsa Nagachandan

International Faculty

- Dr Suneel Pooboni
- Dr RAMANATHAN K R

ESOI Training Course, Day 1, 01st Jan 2027, Friday

	Pre Course Test MCQ – 20 marks – ONLINE on 30/12/2026 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	
17.45 – 18.05	History & statistics	
18.10 – 18.30	ECMO – physiology	
18.35 – 18.55	Type of ECMO - VA ECMO	
19.00 – 19.20	VV ECMO	
19.25 – 19.45	Hybrid ECMO & Nomenclature	
19.50 – 20.10	Cannulation	
20.15 – 20.35	Initiation & Monitoring	
20.40 – 21.00	Management	
21.05 – 21.25	ECMO organization	

ESOI Training Course, Day 2, 02nd Jan 2027, Saturday

16.55 – 17.15	Recap	
17.20 – 17.40	Ventilation strategy during ECMO	
17.45 – 18.05	Sedation & analgesia during ECMO	
18.10 – 18.30	Neurological monitoring of ECMO	
18.35 – 18.55	Patient related complications & management	
19.00 – 19.20	Blood transfusions – when & what	
19.25 – 19.45	Prone, Nursing care & Physiotherapy of patient on ECMO	
19.50 – 20.10	Transport of patient on ECMO	
20.15 – 20.35	Weaning, trial off & decannulation	
20.40 – 21.00	Anticoagulation during ECMO	
21.05 – 21.25	Renal issues & Dialysis during ECMO	

ESOI Training Course – Day 3, 3rd Jan 2027, 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	Cardiac stunning – prevention & management	Pranay Oza
19.25 – 19.45	ECMO in Transplant ICU	K. Madhan Kumar
19.50 – 20.10	Paediatric respiratory ECMO	Nandkishore
20.15 – 20.35	Newer indication & future of ECMO	Venkat Goyal
20.40 – 21.00	Surgical interventions during ECMO	Dipanjan Ch
21.05 – 21.25	CO2 Removal device	Dipanjan Chatterjee

ESOI Training Course, Day 4, 7th Jan 2027, Thursday

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	Nadakishore
	Station II – Circuit preparation – selection of component & making circuit & calculation of priming volume	Suneel Pooboni, Rajan Barorkar
	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	Srivatsva N
	Station VII – Circuit priming – priming volume & priming solution	Rakesh V
	Station VIII – Cannulation – Hands on VV/VA ECMO	Dipanjana Chatterjee
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, Rajan Barorkar Venkat Goyal Dipanjana Chatterjee Vishal Sardhara Rakesh V Srivatsva N Nandakishore Pranay Oza
17.45 – 18.30	Practical Session – Demonstration of Management of complications	Pranay Oza & Venkat Goyal

ESOI Training Course – Day 5, 8th Jan 2027, Friday (Application of ECMO)

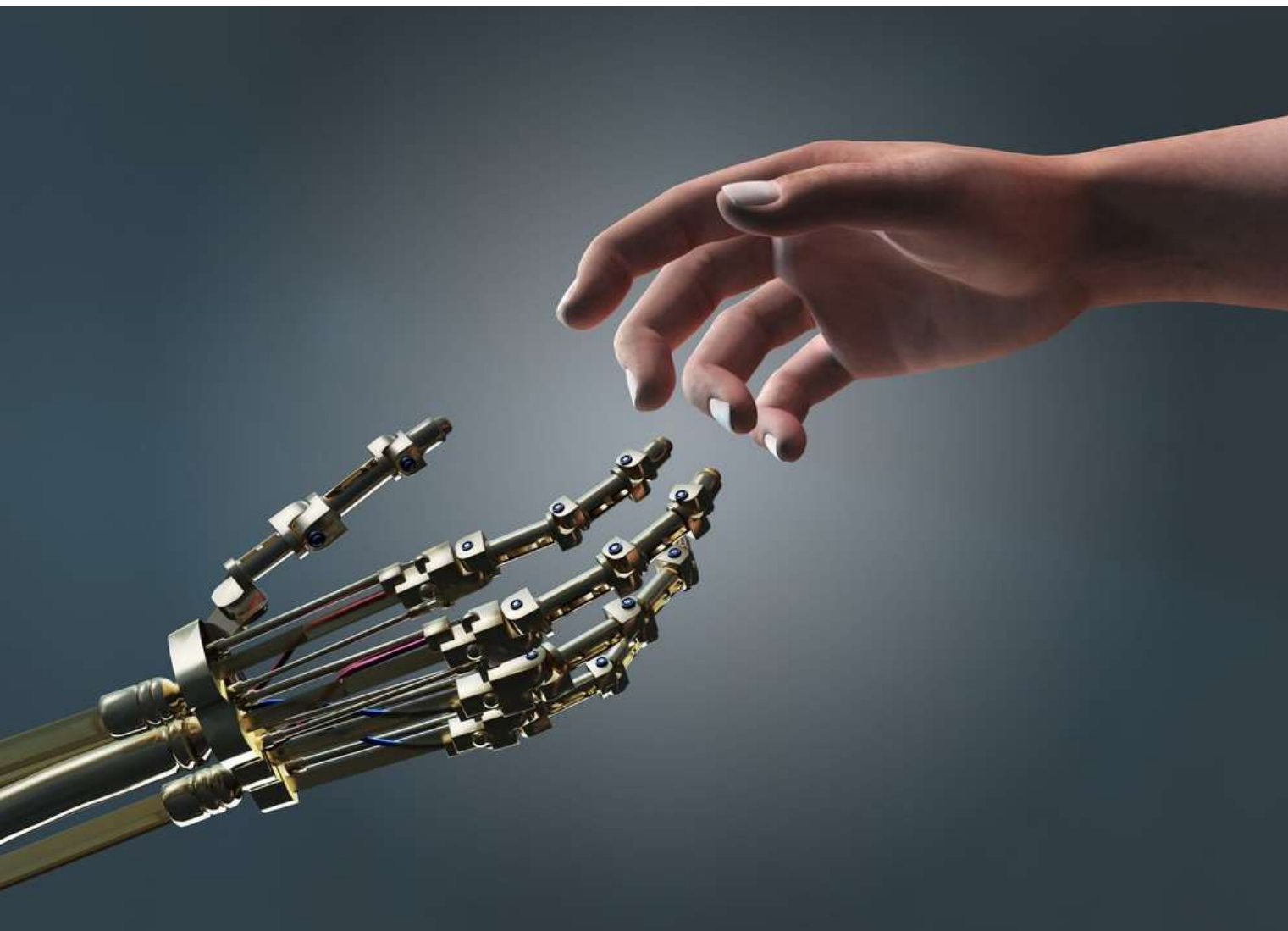
07.30 – 08.00	Breakfast	
08.00 – 08.20	Discussion on Pre Course test Answer	
08.15 – 09.00	Panel discussion – Ethical Issues In ECMO, Panellist – Pooboni, Venkat Goyal, Vivek Gupta, Dipanjan Ch, NandKishore	Arpan Chakraborty
09.15 – 09.45	Trouble shooting	Pranay Oza
09.45 – 10.00	How to make ECMO Economical	Pranay Oza
10.00 – 13.00	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	Rajan Barorkar Venkat Goyal, Srivatsva N Dipanjan Chatterjee Vishal Sardhara Ramanathan KR Nandakishore Rakesh V Pranay Oza
13.00 – 14.00	Lunch Break	
14.00 – 18.00	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
18.00 – 19.00	Practical Exam, Mechanical complications – Power Failure (Mandatory for all), Priming & Change of components (Optional)	Entire Faculty

ESOI Training Course – Day 6, 10th Jan 2027, Saturday (ECMO Simulation)

07.40 – 08.20	Breakfast	
	EXAMS – MCQ 40 marks (ONLINE on 9/01/2027 late evening)	
Simulation Station – 13 Scenarios (6 students in each group)		
08.35 – 09.05	Simulation Case I	Venkat Goyal Pranay Oza, Ramanathan K R Vivek Gupta Suneel Pooboni
09.10 – 09.40	Simulation Case II	
09.45 – 10.15	Simulation Case III	
10.15 – 10.35	TEA BREAK	
10.40 – 11.10	Simulation Case IV	Venkat Goyal Pranay Oza, Ramanathan K R Suneel Pooboni Vivek Gupta
11.15 – 011.45	Simulation Case V	
11.55 – 12.25	Simulation case VI	
12.30 – 13.00	Simulation Case VII	
13.10 – 13.45	Simulation Case VIII	
13.45 – 14.15	Simulation Case IX	Venkat Goyal Pranay Oza Ramanathan K R K. Madhan Kumar Muralikrishna
14.20 – 14.50	Simulation Case X	
14.55 – 15.25	Simulation Case XI	
15.30 – 16.00	Simulation Case XII	
16.05 – 16.35	Simulation Case XII	
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	100	0	700 (11 hrs & 40 mins) 28.6% of total time
2	Central Demonstration & Workstation	00	00	00	530	210	0	740 (12 hrs & 20 Mins) 30.3% of total time
3	Simulation session	00	00	00	00	240	385	625 (10 hrs & 25 mins) 25.6% of total time
4	Lunch & Teatime	00	00	00	55	65	60	180 (3 hrs) 7.3% of total time
5	Question / answer & Recap time	50	55	55	20	20	00	200 (3 hr & 20 mins) 8.2% of total time
6	Total time	250	255	255	605	635	445	2445 (40 hrs & 45 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) \$ 350 –
training course with Master class**

**Master class (7th June) – Only Mater class Rs 5000, Master
class with training course – 3000 + training course fees**

Registration Link :

http://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