

22nd ECMO Training Course

**ECMO INDIA
2025 MUMBAI**



**10th ELSO ENDORSED
COMPREHENSIVE
SIMULATION - BASED
ECMO COURSE**

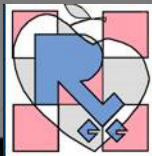


**Center of Excellence –
Gold – 2025 – 2027
Platinum – 2021 – 12/2024
Gold – 2018 – 8/2021**



**5 – 7 APRIL – VIRTUAL TALK
11 – 13 APRIL – HANDS ON & SIMULATION**

ECMO SAVES LIVES.....



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

ESOI



ECMO SOCIETY OF INDIA

22nd ECMO training course

ECMO society of India

Presents

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

APRIL 2025

5 – 7 APRIL – VIRTUAL TALK

11 – 13 APRIL – HANDS ON & SIMULATION

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) \$ 350 – training course with Master class
 - Master class (12th 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 5 – 7 April 2025 Virtual talks from 5 PM to 9 PM**
- **From 11 – 13 April 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**
- **Followed by - Master class on ECPR & MCS, 1st Advanced Paediatric workshop on 6 January (Virtual) & 12 January (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 Poonam Malhotra

- Dr K. Madhan Kumar
- Dr Kapil Thakkar
- Dr Riyan Shetty
- Dr Shivakumar
- Vamshi
- M Ravikrishna

International Faculty

- Dr Suneel Pooboni
- Dr RAMANATHAN K R

ESOI Training Course, Day 1, 5th April 2025, Saturday

	Pre Course Test MCQ – 20 marks – ONLINE on 2/04/2025 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, 6th April 2025, Sunday

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	Indira Jayakumar
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, 7th April 2025, Monday

17.00 – 17.15	Recap	
17.20 – 17.40	Surgical interventions during ECMO	Dipanjan Ch
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	ECMO in sepsis	Ramanathan K R
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, 11th April 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	Dipanjan 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	Suneel Pooboni, Ravi Krishna
	Station II – Transport on ECMO Simulation	Vishal Sardhara
	Station III – Proning on ECMO Simulation	Dipanjan Chatterjee
	Station IV – Mobilization while on ECMO	Venkat Goyal
	Station V – Weaning, Trial off & weaning failure VV/ VA ECMO	Vamshi
	Station VI – Transport on ECMO Simulation	Kapil Thakkar
	Station VII – Proning on ECMO Simulation	Rakesh V
	Station VIII – Mobilization while on ECMO	Pranay Oza
17.45 – 18.30	Practical Session – Demonstration of Management of complications	Pranay Oza & Venkat Goyal

ESOI Training Course – Day 5, 12th April 2025, Saturday (Application of ECMO)

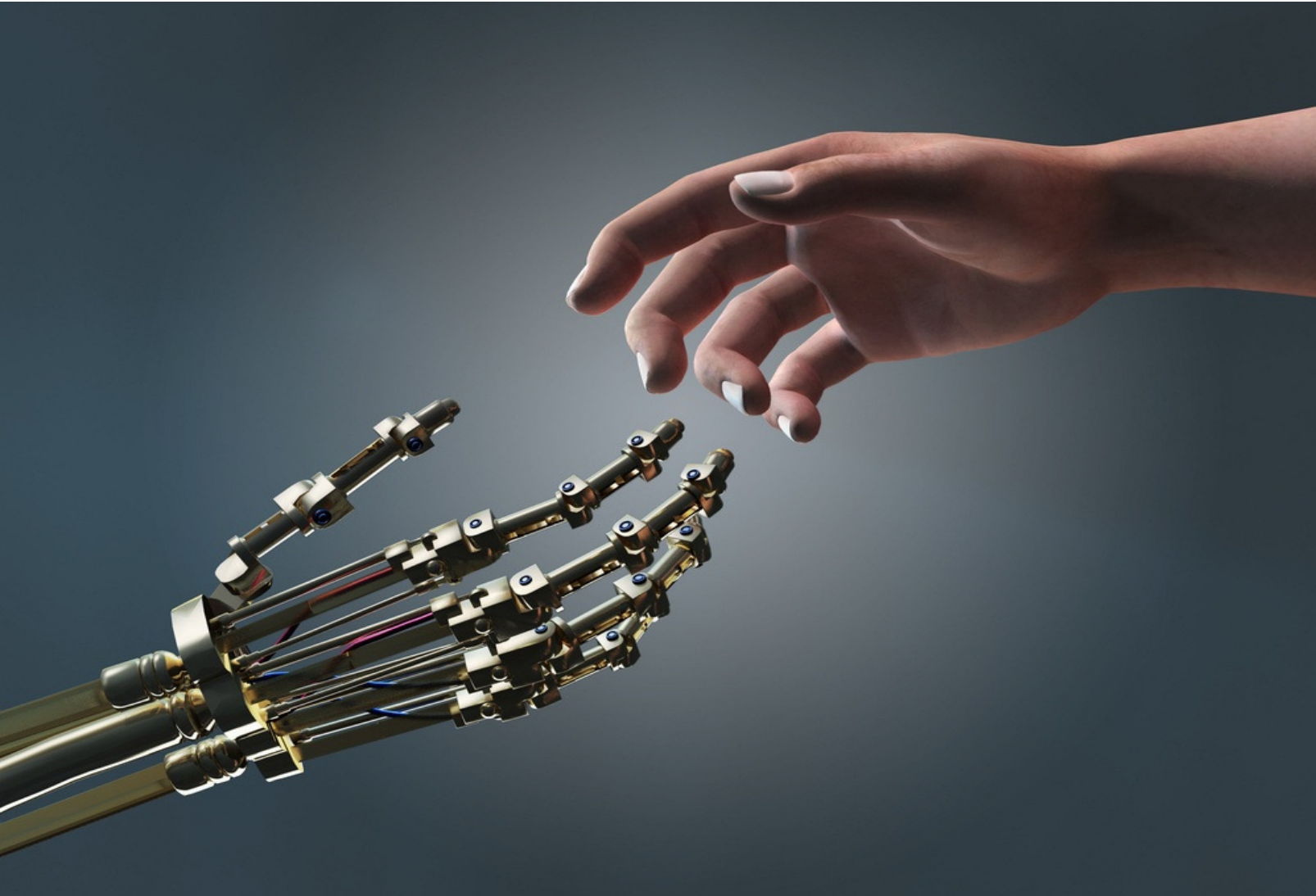
07.30 – 08.00	Breakfast	
08.00 – 08.20	Discussion on Pre Course test Answer	
08.15 – 09.00	Panel discussion – Ethical Issues In ECMO, Panellist – Pooboni, Venkat Goyal, Vivek Gupta, Dipanjan Ch	Arpan Chakraborty
09.00 – 11.00	Practical Session (40 mins each) - Mechanical Complication Station I – Power 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 Vivek Gupta, 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, 13th April 2025, Sunday (ECMO Simulation)

07.40 – 08.20	Breakfast	
	EXAMS – MCQ 40 marks (ONLINE on 8/06/2024 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 – 11.45	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	Work station & Simulation session	00	00	00	405	315	360	1080 (18 hrs)
4	Lunch & Tea time	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) \$ 350 – training course with Master class
Master class (10th June) – Only Mater class Rs
5000, Master class with training course – 3000 +
training course fees
Registration Link :
[https://www.ecmosocietyofindia.com/Conferences_Regis-
trationBook.php](https://www.ecmosocietyofindia.com/Conferences_Regis-
trationBook.php)

PUNJAB NATIONAL BANK Account Name : Academy
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