

17th ECMO Training Course



**ECMO INDIA
2024
MUMBAI**

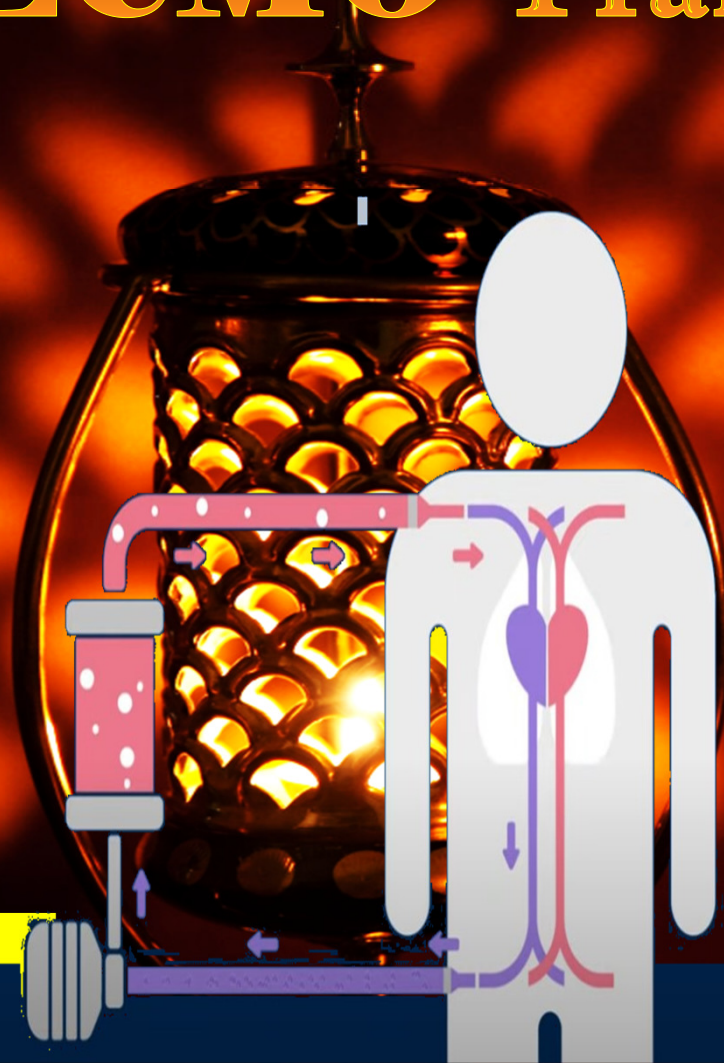
**22 - 24 JANUARY - VIRTUAL
TALK**

**26 - 28 JANUARY - HANDS ON
& SIMULATION**

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



**Center of Excellence -
Platinum - 9/2021 - 9/2024
Gold - 8/2018 - 8/2021**



ECMO SAVES LIVES.....

at....

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

ECMO SOCIETY OF INDIA



17th ECMO training course ECMO society of India

Presents

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

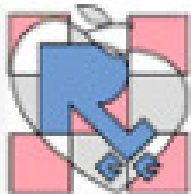
On ECMO “

JANUARY 2024

22 – 24 JANUARY – VIRTUAL TALK

26 – 28 JANUARY – HANDS ON & SIMULATION

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



RIDDHI VINAYAK
Critical Care & Cardiac Centre

ECMO SOCIETY OF 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)**
 - 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
- **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 22 – 24 January 2024 Virtual talks from 5 PM to 9 PM
- From 26 – 28 January 2024 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

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 Samir Gami
- Dr Dipanjan Chatterjee

- Dr Poonam Malhotra
- Dr K Madhan Kumar
- Kapil Thakkar

International Faculty

- Dr Suneel Pooboni
- Dr Lakshmi Raman
- Dr RAMANATHAN K R

ESOI Training Course, Day 1, 22nd January 2023, Monday

	Pre Course Test MCQ – 20 marks – ONLINE on 20/01/2024 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	Dipanjan Ch
17.45 – 18.05	History & statistics	Suneel Pooboni
18.10 – 18.30	ECMO – physiology	Dipanjan Ch
18.35 – 18.55	Type of ECMO - VA ECMO	Venkat Goyal
19.00 – 19.20	VV ECMO	Suneel Pooboni
19.25 – 19.45	Hybrid ECMO & Nomenclature	Pranay Oza
19.50 – 20.10	Cannulation	Vivek Gupta
20.15 – 20.35	Initiation & Monitoring	Nandkishore
20.40 – 21.00	Management	Rakesh V
21.05 – 21.25	ECMO organization	Ramanathan K R

ESOI Training Course, **Day 2, 23rd January 2024, Tuesday**

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

ESOI Training Course – Day 3, 24th January 2024, wednesday

17.00 – 17.15	Recap	
17.20 – 17.40	Surgical interventions during ECMO	Vivek Gupta
17.45 – 18.05	Role of Echo in ECMO	Poonam Malhotra
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
19.50 – 20.10	Paediatric respiratory ECMO	Indira Jayakumar
20.15 – 20.35	ECMO in sepsis	Vivek Gupta
20.40 – 21.00	Newer indication & future of ECMO	Venkat Goyal
21.05 – 21.25	Cardiac stunning – prevention & management	Venkat Goyal

ESOI Training Course, Day 4, 26th January 2024, Friday

07.45 – 08.15	Registration & Breakfast	
08.30 – 08.45	Inauguration & Lamp Lightening	
08.45 – 09.00	Recap	Pranay Oza/ Venkat Goyal
9.00 – 10.00	Practical Session – Demonstration of Components, Circuit preparation & Circuit priming	Pranay Oza & Venkat Goyal
10.00 – 10.45	Practical Session – Demonstration of Initiation & Monitoring of ECMO	Pranay Oza & Venkat Goyal
10.45 – 11.00	Tea Break	
11.00 – 14.00	Practical sessions	
	Station I – Initiation of ECMO – Planning & strategy	Pranay Oza, Pranali Shukla
	Station II – Circuit preparation – selection of component & making circuit & calculation of priming volume	Suneel Pooboni, Rakesh V
	Station III – Circuit priming – priming volume & priming solution	Kapil Thakkar
	Station IV – Cannulation selection, site & Technic	Dipanjana Ch
	Station V – Cannulation – Hands on VV ECMO	Nandkishore
	Station VI – Cannulation – Hands on VA ECMO	Venkat Goyal
14.00 – 14.40	Lunch	
14.40 – 15.25	Simulation on Ambulance Transport scenario Simulation on Proning	Pranay Oza & Venkat Goyal
15.30 – 18.30	Practical Session Station I – Initiation & monitoring of ECMO – Hemodynamic changes Station II – Monitoring of circuit & patient Station III – Weaning, Trial off & weaning failure VV ECMO Station IV – Weaning, Trial off & weaning failure VA ECMO Station V – Transport on ECMO Simulation Station VI – Proning on ECMO Simulation	Pranay Oza, Pranali Shukla Suneel Pooboni, Kapil Thakkar Nandkishore Rakesh V Venkat Goyal Dipanjana Ch

ESOI Training Course – Day 5, 27th January 2024, Saturday

(Application of ECMO)

07.30 – 08.00	Breakfast	
08.00 – 08.15	Recap	
08.15 – 09.00	Panel discussion – Ethical Issues In ECMO, Panellist – Pooboni, Venkat Goyal, Vivek Gupta, Nandkishore	Arpan Chakraborty
09.00 – 10.00	Practical Session – Demonstration of Management of complications	Pranay Oza & Venkat Goyal
10.00 – 10.40	Trouble shooting	Pranay Oza
10.40 – 10.55	How to make ECMO Economical	Pranay Oza
	Tea Break	
11.00 – 14.00	Practical Session Station I – Mechanical Complication – Power failure Station II – Mechanical Complication – Pump failure Station III – Mechanical Complication – Oxygenator failure Station IV – Mechanical Complication – Air Embolism Station V – Patient related Complications – Haemolysis Station VI – Patient related Complications – Recirculation	Kapil Thakkar Nandkishore Rakesh V Venkat Goyal Dipanjan Ch Pranay Oza, Pranali Shukla
14.00 – 14.45	Lunch Break	
14.45 – 18.00	Simulation Scenarios on mechanical emergency – Simulation 1 Simulation 2 Simulation 3 Simulation 4 Simulation 5 Simulation 6	Pranay Oza, Pranali Shukla

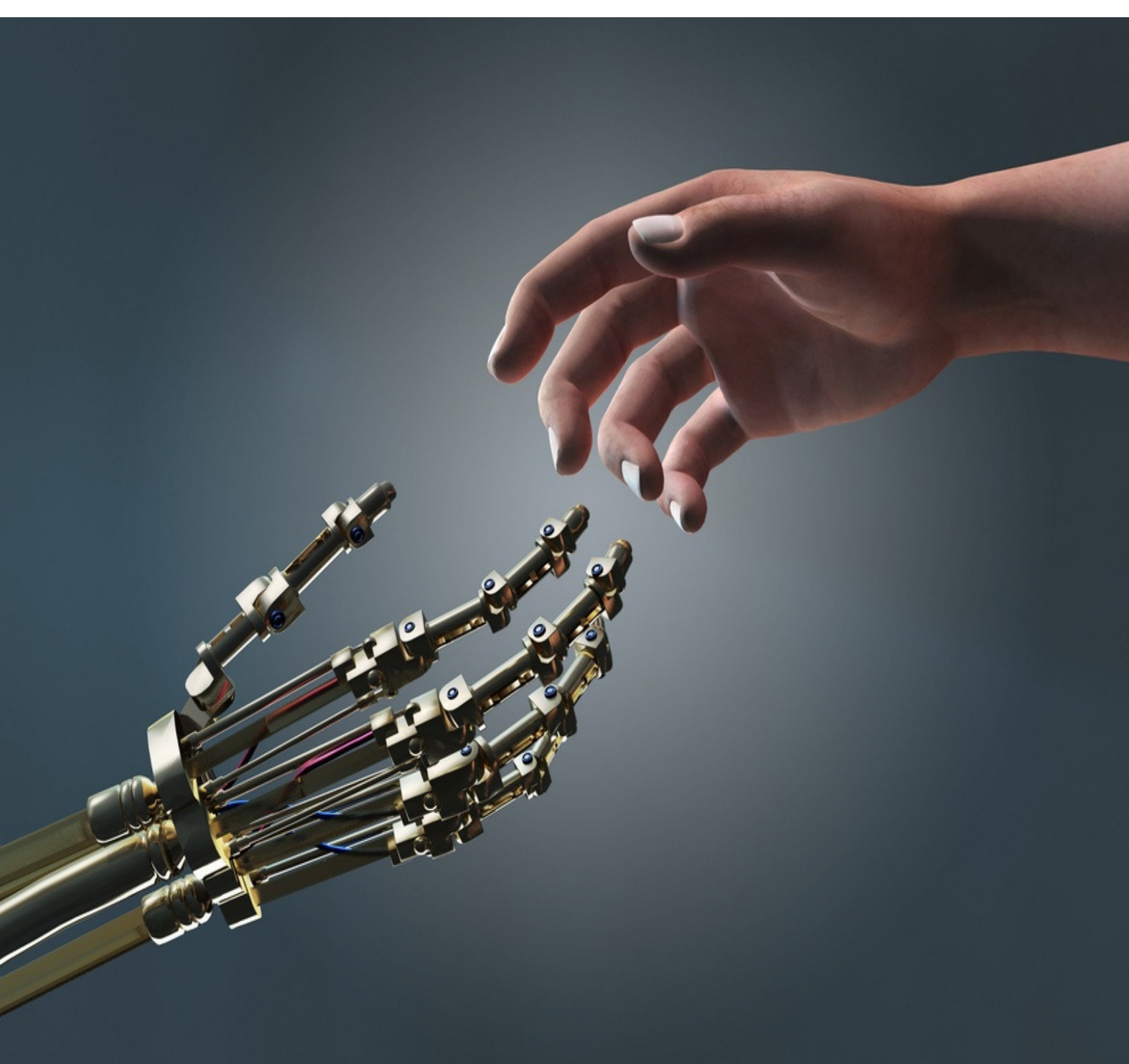
ESOI Training Course – Day 6, 28th January 2024, Sunday (ECMO Simulation)

07.40 – 08.20	Breakfast	
	EXAMS – MCQ 40 marks (ONLINE on 14/10/2023 late evening)	
Simulation Station – 12 Scenarios (5 students in each group)		
08.35 – 09.05	Simulation Case I	Venkat Goyal
09.10 – 09.40	Simulation Case II	Pranay Oza
		Vivek Gupta
09.45 – 10.15	Simulation Case III	Suneel Pooboni
		Indira Jayakumar
10.15 – 10.35	TEA BREAK	
10.40 – 11.10	Simulation Case IV	Venkat Goyal
11.15 – 011.45	Simulation Case V	Pranay Oza
11.55 – 12.25	Simulation case VI	Suneel Pooboni
		Vivek Gupta
12.30 – 13.00	Simulation Case VII	Arpan Chakraborty
13.00 – 13.45	Lunch Break	
13.45 – 14.15	Simulation Case VIII	
14.20 – 14.50	Simulation Case IX	Venkat Goyal
14.55 – 15.25	Simulation Case X	Pranay Oza
15.30 – 16.00	Simulation Case XI	K Madhan kumar
		Suneel Pooboni
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 Suneel Pooboni –

09642562218

Dr Venkat Goyal –

9820321815 / 09223186500

Dr Pranay Oza –

09821214971 / 09223186518

**Venue – RIDDHI VINAYAK
MULTISPECIALITY
HOSPITAL
NALLASOPARA (WEST)**

Email:

ecmosocietyofindia@hotmail.com

Web:

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)

International delegates : \$300

Kindly fill the registration form online
from the above website

Registration Link :

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

ECMO SOCIETY OF INDIA