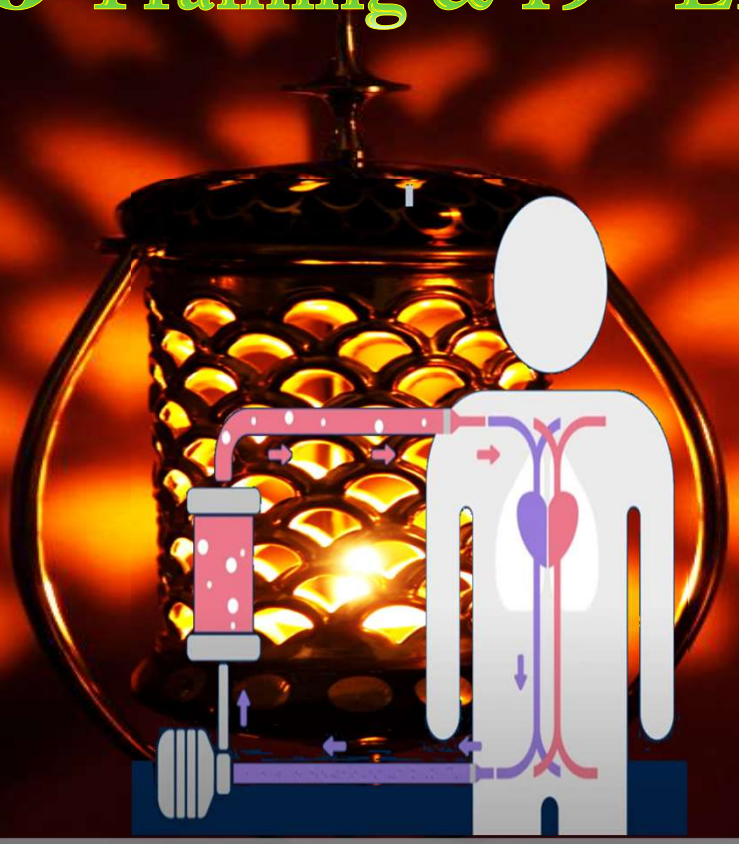
31th ECMO Training & 19th ELSO Endorsed Course

ECMO INDIA 2027
AT RVMH, MUMBAI

Comprehensive Simulation - Based ECMO Course
ENDORSED

ELSO ENDORSED COMPREHENSIVE SIMULATION – BASED ECMO COURSE



25– 28 MARCH – VIRTUAL TALK
2 – 4 APRIL – HANDS ON & SIMULATION
2ND ADVANCED PAEDIATRIC COURSE
29 MARCH – VIRTUAL TALK
5 APRIL – SIMULATION ON PAEDS

AWARD FOR EXCELLENCE IN LIFE SUPPORT
CENTER OF EXCELLENCE
GOLD

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

ECMO SAVES LIVES……

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

ESOI

ECMO SOCIETY OF INDIA

31th ECMO Training Course & 19th ELSO Endorsed

ECMO society of India

Presents

"A Seven days (Hybrid – 4 days Virtual & 3 days onsite) Interactive learning sessions on ECMO "

APRIL 2027

25– 28 MARCH – VIRTUAL TALK

2 – 4 APRIL – HANDS ON & SIMULATION

2ND ADVANCED PAEDIATRIC COURSE

29 MARCH – VIRTUAL TALK

5 APRIL – SIMULATION ON PAEDS

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 (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.elso.org/ecmo-education/certificationexam.aspx**
- **Audio – visual training with wet lab experience**
- **7days course (Hybrid – 4 days Virtual & 3 days onsite)**
- **From 25 – 28 March 2027 Virtual talks from 5 PM to 8 PM**
- **From 2 – 4 April 2027 workshop & simulation offline**
- **2nd ADVANCED PAEDIATRIC COURSE**
  - **29 MARCH – VIRTUAL TALK**
  - **5 April – Simulation on Paeds**
- **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 7**
- **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 Shivakumar
- Dr Ravi Krishna
- Dr Muralikrishna
- Dr Rajan Barorkar
- Dr Vamshi J
- Dr Niranjan Panigrahi

International Faculty

- Dr Suneel Pooboni
- Dr RAMANATHAN K R

ESOI Training Course, Day 1, 3th March 2027, Thursday

	Pre Course Test MCQ – 20 marks – ONLINE on 2/4/2026 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	Vamshi J
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	Niranjan Panigrahi

ESOI Training Course, Day 2, 26th March 2027, Friday

17.00 – 17.15	Recap	
17.20 – 17.40	Initiation & Monitoring	Shivakumar
17.45 – 18.05	Management	Vinod Singh
18.10 – 18.30	ECMO organization	Venkat Goyal
18.35 – 18.55	Management of Patient on ECMO	Vinod Singh
19.00 – 19.20	Ventilation strategy during ECMO	Vivek Gupta
19.25 – 19.45	Sedation & analgesia during ECMO	Nandkishore
19.50 – 20.10	Neurological monitoring of ECMO	Suneel Pooboni
20.15 – 20.35	Patient related complications & management	Kapil Thakkar

ESOI Training Course – Day 3, 27th March 2027, Saturday

17.00 – 17.15	Recap	
17.20 – 17.40	Blood transfusions – when & what	Indira Jayakumar
17.45 – 18.05	Proning, Nursing care & Physiotherapy of patient on ECMO	Rakesh V
18.10 – 18.30	Transport of patient on ECMO	Dipanjan Ch
18.35 – 18.55	Weaning, trial off & decannulation	RaviKrishna
19.00 – 19.20	Anticoagulation during ECMO	Poonam Malhotra
19.25 – 19.45	Renal issues & Dialysis during ECMO	Vivek Gupta
19.50 – 20.10	ECMO in sepsis	Ramanathan K R
20.15 – 20.35	Role of Echo in ECMO	Venkat Goyal

ESOI Training Course – Day 4, 28th March 2026, Sunday

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

Advanced Paediatric Workshop, Day 1, 29th March 2027, Monday

17.00 – 17.05	Introduction	
17.05 – 17.20	Course overview	
17.20 – 17.40	Evolution of Pediatric and Neonatal ECMO: concepts, reality & how to setup	
17.40 – 18.00	Neonatal/ Pediatric Cardiac ECMO: Indications	
18.00 – 18.20	Special circumstances in Neonatal ECMO	
18.20 – 18.40	Cannulation in neonates and children in various scenarios	
18.40 – 18.55	Preparation for ECMO. Special considerations in anticoagulation, management and monitoring	
18.55 – 19.00	Discussion	
19.00 – 19.15	Planning and execution of various diagnostic and therapeutic procedures in children on ECMO.	
19.15 – 19.30	Neonatal/Pediatric cardiac ECMO: Weaning and decannulation	
19.30 – 19.45	Long term Outcomes of ECMO in children	
19.45 – 20.05	E CPR timing, cannulation, outcome	
20.05 – 20.25	ECMO in congenital heart disease and post Cardiotomy - targets, challenges	
20.25 – 20.35	Discussion	
20.35 – 20.50	ECMO in Oncology and haematopoetic transplants	
20.50 – 21.10	ECMO for congenital heart disease - pre and post operative stabilisation	
21.10 – 21.20	Discussion	

ESOI Training Course, Day 5, 2nd April 2027, 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	Jayanthikishore, SriCharan Goda
	Station II – Circuit preparation – selection of component & making circuit & calculation of priming volume	Ravi Krishna
	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, Srivatsva N
	Station VI – Circuit preparation – selection of component & making circuit & calculation of priming volume	Kapil Thakkar
	Station VII – Circuit priming – priming volume & priming solution	Rakesh V
	Station VIII – Cannulation – Hands on VV/VA ECMO	Dipanjan 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	 Jayanthikishore, SriCharan Goda Venkat Goyal, , Srivatsva N Dipanjan Chatterjee Vishal Sardhara Rakesh V Kapil Thakkar Ravi Krishna Pranay Oza
17.45 – 18.30	Practical Session – Demonstration of Management of complications	Pranay Oza & Venkat Goyal

ESOI Training Course – Day 6, 3rd April 2027, 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, Kapil Thakkar, Jayanthi Kishore	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	 Jayanthi Kishore Ravi Krishna Dipanjan Chatterjee Vishal Sardhara Ramanathan KR, SriCharan Goda Kapil Thakkar Rakesh V, Srivatsva N 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 7, 4th April 2027, Sunday (ECMO Simulation)

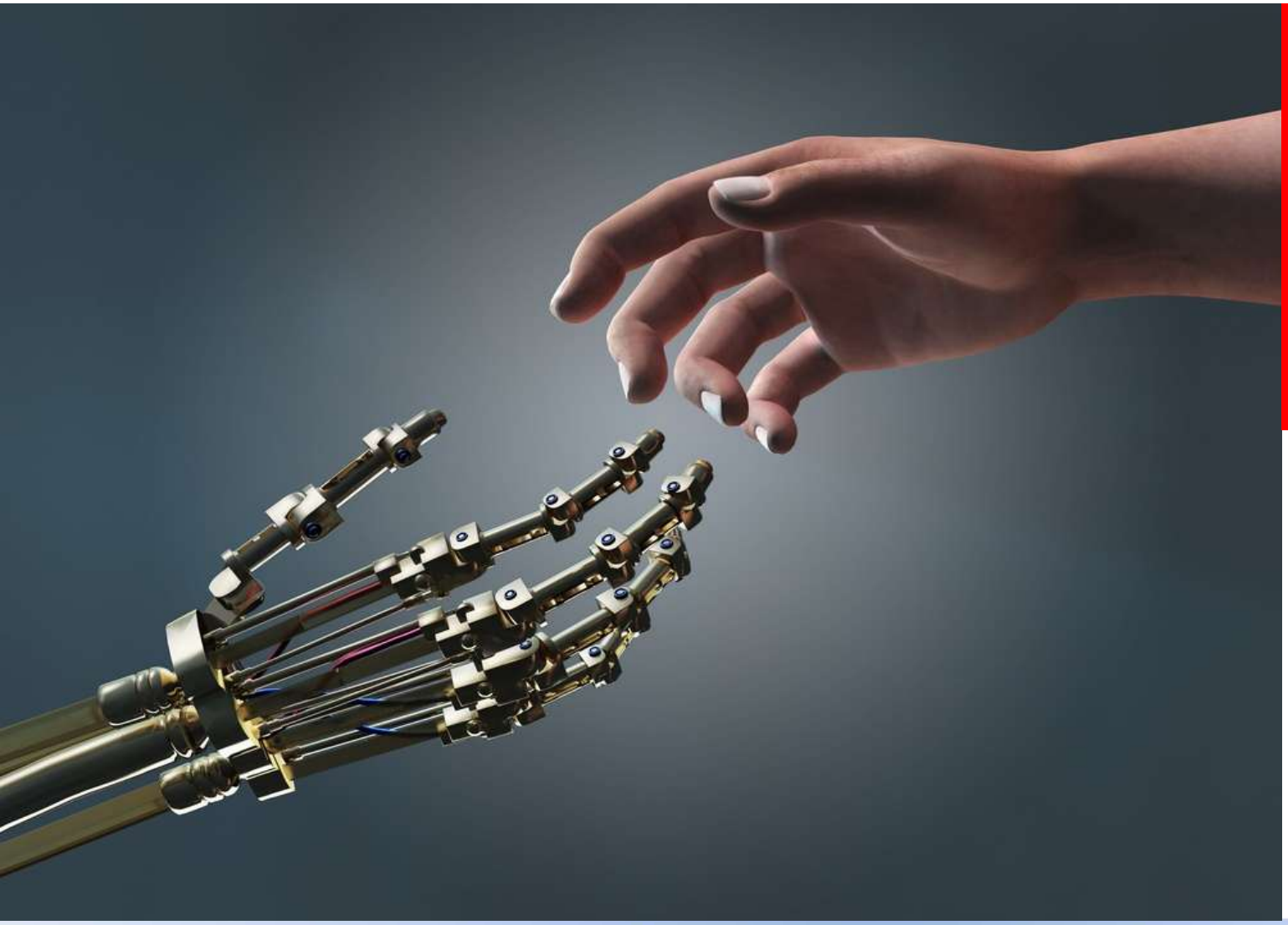
07.40 – 08.20	Breakfast	
	EXAMS – MCQ 40 marks (ONLINE on 11/04/2026 late evening)	
Simulation Station – 13 Scenarios (6 students in each group)		
08.35 – 09.05	Simulation Case I	
09.10 – 09.40	Simulation Case II	
09.45 – 10.15	Simulation Case III	Pranay Oza, Ramanathan K R, Srivatsva N
10.15 – 10.35	TEA BREAK	
10.40 – 11.10	Simulation Case IV	
11.15 – 011.45	Simulation Case V	
11.55 – 12.25	Simulation case VI	
12.30 – 13.00	Simulation Case VII	Pranay Oza, Ramanathan K R, Sricharan Goda
13.10 – 13.45	Simulation Case VIII	
13.45 – 14.15	Simulation Case IX	
14.20 – 14.50	Simulation Case X	
14.55 – 15.25	Simulation Case XI	Pranay Oza Ramanathan K R K. Madhan Kumar Muralikrishna
15.30 – 16.00	Simulation Case XII	
16.05 – 16.35	Simulation Case XII	
16.35 – 16.50	Validating Function & Group photo	

Advanced Paediatric Workshop, Day 2, 5th April 2027, Monday

07.45 – 08.15	Registration & Breakfast	
08.30 – 08.45	Inauguration & Lamp Lightening	
HALL B – Third floor		
08.45 – 09.00	Recap	Pranay Oza/ Suneel Pooboni
09.05 – 09.35	Simulation Case I – Paediatric Respiratory	Jayanthi Kishore & Pranay Oza, Suneel Pooboni, Nandkishore
09.40 – 10.10	Simulation Case II – Paediatric Respiratory	
10.15 – 10.45	Simulation Case III – Paediatric Respiratory	
10.50 – 11.20	Simulation Case IV – Paediatric Cardiac	Jayanthi Kishore & Pranay Oza, Shubadeep, Suneel Pooboni
11.25 – 11.55	Simulation Case V – Paediatric Cardiac	
12.00 – 12.30	Simulation case VI – Paediatric Cardiac	
12.35 – 13.05	Simulation Case VII – Paediatric Cardiac	
13.10 – 13.50	Lunch	
13.50 – 14.20	Simulation Case VIII – Neonatal ECMO	Jayanthi Kishore & Pranay Oza, Shubadeep, Nandkishore
14.25 – 14.55	Simulation Case IX – Neonatal ECMO	
15.00 – 16.00	Simulation Case X - Paediatric cardiac - ECPR scenario	Entire team
16.00 – 17.00	Panel discussion – Paediatric ECMO challenges & Solution	Entire team
17.00 – 17.15	Validation Function	

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)
Registration Link :
https://www.ecmosocietyofindia.com/Conference_Registration.php

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