

# 11th ECMO training course



**ECMO INDIA  
2021  
MUMBAI**

**AUGUST 26 – 29,  
2021**



Center of Excellence ~ Gold Level

ECMO SAVES LIVES.....



at....

Riddhivinayak Critical Care and Cardiac Centre  
ELSO certified – Centre of excellence – (GOLD)

ESOI



**ECMO SOCIETY OF INDIA**

# 11<sup>th</sup> ECMO training course

## ECMO society of India

Presents

HYBRID Training Course (Physical & Virtual)

**“A Four days Interactive learning sessions**

**On ECMO “**

**26 – 29<sup>TH</sup> August 2021**

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



# Onsite Training

- In view of Pandemic & possibilities of restricted movements we have selected 6 onsite training centre. You can join either of it as per your convenience
- Organizing Centre –
  - RiddhiVinayak Multispecialty Hospital, Mumbai
- East Zone –
  - Medica Hospital, Kolkata
- West Zone –
  - RiddhiVinayak Multispecialty Hospital, Mumbai
- South Zone –
  - KIMS Hospital, Hyderabad
  - Apollo Hospital, Chennai
- North Zone –
  - DMK, Ludhiyana
- Central Zone –
  - Gangaram Hospital, Delhi

# 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 (5<sup>th</sup> Edition ELSO)**
  - For training course – Rs 10000 / per person for doctors
  - For training course – Rs 8000/ per person for paramedical
  - For members of ESOI only – Rs 8000/- for doctors and Rs 6500 for paramedical
  - For ESOI students – Fellowship – Rs 8000 & certificate – Rs 5000
  - For foreign delegates – \$ 350
- **Contact number – 9821214971 / 9820321815**

## Salient features –

- **Hard core training for those who are keen for ECMO as a carrier**
- **Audio – visual training with wet lab experience**
- **4 days course from 26<sup>th</sup> August to 29<sup>th</sup> August 2021**
- **Daily lectures from 8.00am to 7.00pm**
- **Around 38 lectures by ECMO & field experts – national & international**
- **Practical sessions –**
  - 18 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 4**
- **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 Chakravarty
- Dr Vinod Singh
- Dr Sambit Sahu
- Dr Indira Jayakumar
- Dr Samir Gami
- Dr Dipanjan Chatterjee

## • International Faculty

- Dr Suneel Pooboni

# ESOI Training Course – 2021, Day 1, 26<sup>th</sup> August 2021, Thursday (ECMO Basics)

07.30 – 08.00	Registration & Breakfast	
08.00 – 08.20	Inauguration & Lamp Lightening	
08.20 – 08.30	Course overview	
08.30 – 08.45	Pre Course Test MCQ – 20 marks	
08.45 – 09.10	ECMO – introduction & Indications	Dipanjan Ch
09.10 – 09.30	History & statistics	Suneel Pooboni
09.30 – 09.50	ECMO – physiology	Dipanjan Ch
09.50 – 10.15	Type of ECMO - VA ECMO	Venkat Goyal
10.15 – 10.35	VV ECMO	Suneel Pooboni
10.35 – 10.50	Hybrid ECMO & Nomenclature	Pranay Oza
10.50 – 10.55	Question answer	
10.55 – 11.15	Tea Break	
11.15 – 12.15	Practical Session – Demonstration of Components, Circuit preparation & Circuit priming	Pranay Oza & Venkat Goyal
12.15 – 12.35	Cannulation	Vivek Gupta
12.35 – 12.55	Initiation & Monitoring	Nandkishore
12.55 – 13.05	Management	Samir Gami
13.05 – 13.10	Question answer	
13.10 – 14.00	Lunch	
14.00 – 17.00	Practical sessions	
	Station I – Equipment demonstration different parts with function	Pranay Oza
	Station II – Circuit preparation – selection of component & making circuit & calculation of priming volume	Sambit Sahu / Samir Gami
	Station III – Circuit priming – priming volume & priming solution	Nandkishore
	Station IV – Cannulation selection, site & Technic	Suneel Pooboni/ Dipanjan
	Station V – Cannulation – Hands on VV ECMO	Vivek Gupta / Vinod Singh
	Station VI – Cannulation – Hands on VA ECMO	Venkat Goyal
17.00 – 17.15	Tea Break	
17.15 – 18.00	ECMO organization	Venkat Goyal
17.45 – 18.00	Day review – Take home message	

# ESOI Training Course – Day 2, 27<sup>th</sup> August 2021, Friday (ECMO Practical Aspects)

07.30 – 08.00	Breakfast	
08.00 – 08.15	Recap	
08.15 – 08.35	Anticoagulation management	Samir Gami
08.35 – 08.55	Sedation & analgesia during ECMO	Sambit Sahu
08.55 – 09.15	Neurological monitoring of ECMO	Suneel Pooboni
09.15 – 09.35	Ventilation during ECMO	Pranay Oza
09.35 – 09.40	Question answer	
09.40 – 09.55	Tea Break	
09.55 – 10.55	Practical Session – Demonstration of Initiation & Monitoring of ECMO	Pranay Oza & Venkat Goyal
10.55 – 11.10	Mechanical Complications during ECMO	Nandkishore
11.10 – 11.30	Patient related complications & management	Vinod Singh
11.30 – 11.50	Thromboelastogram	Sambit Sahu
11.50 – 12.10	Blood transfusions – when & what	Venkat Goyal
12.10 – 12.30	Renal issues & Dialysis during ECMO	Indira Jayakumar
12.30 – 12.50	Weaning, trial off & decannulation	Vivek Gupta
12.50 – 13.00	Question Answer	
13.00– 14.00	Lunch break	
14.00 – 14.45	Practical Session – Demonstration of Transport & trial off	Pranay Oza & Venkat Goyal
14.45 – 15.00	Nursing care & adjunct therapy of patient on ECMO	Nandkishore
15.00 – 15.20	Infections during ECMO	Suneel Pooboni
15.20 – 15.35	Transport of patient on ECMO	Arpan Chakraborty
15.35 – 15.50	Tea break	
15.50 – 18.50	Practical Session Station I – Initiation of VV ECMO Station II – Initiation of VA ECMO Station III – Monitoring of circuit & patient Station IV – Weaning & Trial off VV ECMO Station V – Weaning & Trial off VA ECMO Station VI – Transport on ECMO Simulation	Venkat Goyal Pranay Oza Sambit Sahu / Nandkishore Suneel Pooboni / Samir Gami Vivek Gupta Arpan Chakraborty / Dipanjan Ch
18.50 – 19.00	Review of the day	

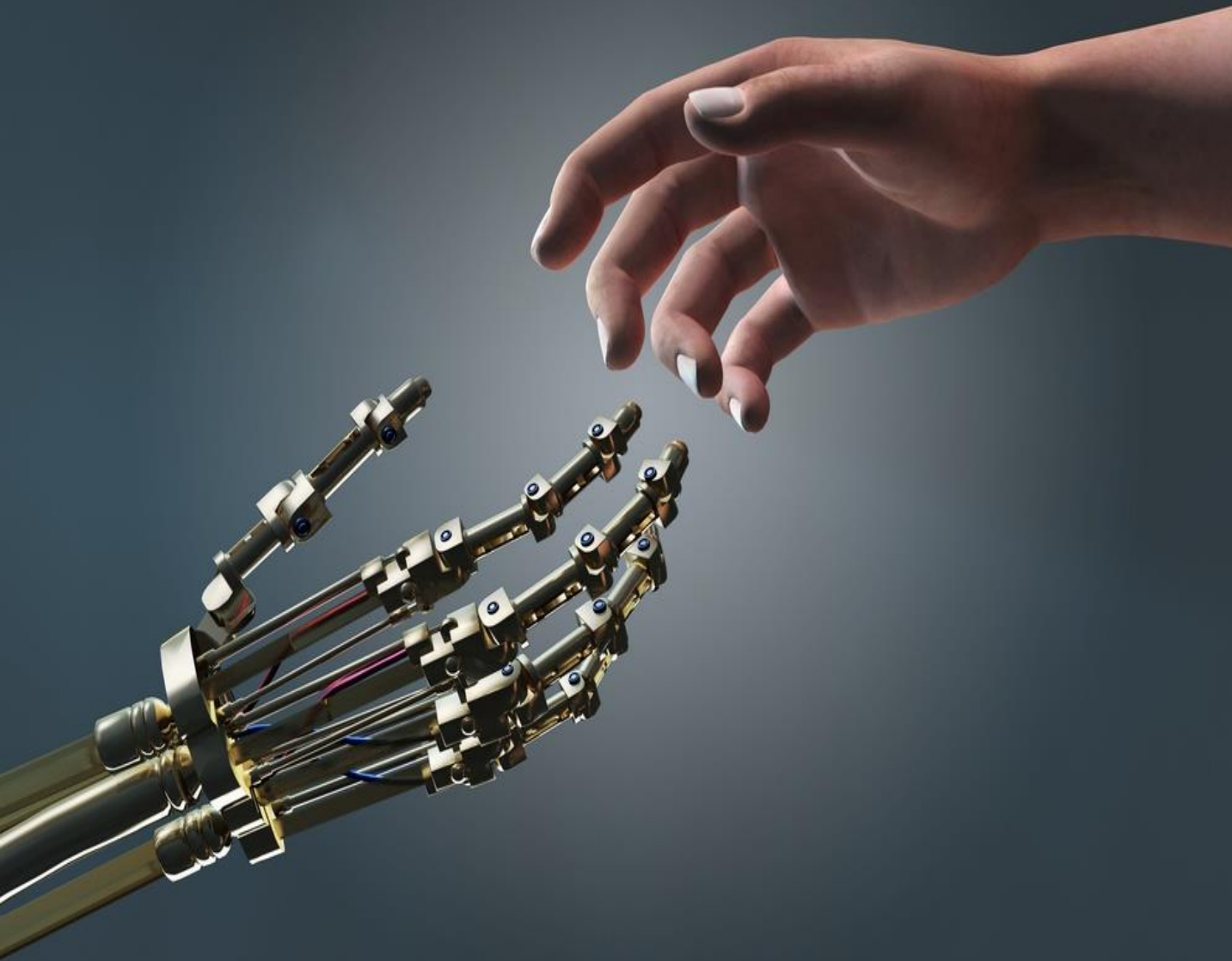


# ESOI Training Course – Day 3, 28<sup>th</sup> August 2021, Saturday, (Application of ECMO)

07.30 – 08.00	Breakfast	
08.00 – 08.15	Recap	
08.15 – 08.35	Surgical interventions during ECMO	Vivek Gupta
08.35 – 08.55	Role of Echo in ECMO	Venkat Goyal
08.55 – 09.15	CO2 Removal device	Arpan Chakraborty
09.15 – 09.35	Newer indication & future of ECMO	Venkat Goyal
09.35 – 09.55	ECPR	Arpan Chakraborty
09.55 – 10.15	ECMO in sepsis	Vivek Gupta
10.15 – 10.20	Question Answer	
10.20 – 10.35	Tea Break	
10.35 – 11.35	Practical Session – Demonstration of Management of complications	Pranay Oza & Venkat Goyal
11.35 – 11.55	ECMO in tracheobronchial surgery	Vinod Singh
11.55 – 12.15	ECMO in Transplant ICU	Pranay Oza
12.15 – 12.35	Paediatric respiratory ECMO	Indira Jayakumar
12.35 – 12.45	Question answer	
12.45 – 13.30	Panel discussion – Ethical Issues In ECMO, Panellist – Pooboni, Venkat Goyal, Vinod Sing, Vivek Gupta, Nandkishore	Moderator – Pranay Oza
13.30 – 14.15	Lunch Break	
14.15 – 17.15	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	Suneel Pooboni / Samir Gami Sambit Sahu / Nandkishore Vivek Gupta Arpan Chakraborty Pranay Oza Venkat Goyal
17.15 – 17.30	Tea Break	
17.30 – 17.50	Trouble shooting	Vivek Gupta
17.50 – 18.10	Management of Hypoxia in VV ECMO	Pranay Oza
18.10 – 18.30	Cardiac stunning – prevention & management	Venkat Goyal
18.30 – 18.45	How to run safe ECMO	Suneel Pooboni
18.45 – 19.00	How to make ECMO Economical	Pranay Oza

# ESOI Training Course – Day 4, 29<sup>th</sup> August 2021, Sunday (ECMO Simulation)

07.40 – 08.20	Breakfast	
08.20 – 9.00	EXAMS – MCQ 40 marks (for training course delegates)	
Simulation Station – 10 Scenarios (6 students in each group)		
09.10 – 09.40	Simulation Case I – Initiation of VV ECMO	Venkat Goyal Pranay Oza
9.45 – 10.15	Simulation Case II – Parenchymal Worsening	Sambit Sahu Nandakishore
10.20 – 10.50	Simulation Case III – Oxygenator Failure	Suneel Pooboni Indira Jayakumar
10.50 – 11.05	TEA BREAK	
11.05 – 11.35	Simulation Case IV – Recirculation	
11.40 – 12.10	Simulation Case V – Sepsis	Venkat Goyal Pranay Oza
12.20 – 12.50	Simulation Case VI – Initiation of VA ECMO	Suneel Pooboni Samir Gami
12.55 – 13.25	Simulation Case VII – Drainage insufficiency	Vivek Gupta Arpan Chakraborty
13.25 – 14.10	Lunch Break	
14.10 – 14.40	Simulation Case VIII – Pump Failure	Venkat Goyal Pranay Oza
14.45 – 15.15	Simulation Case IX – DIC	Sambit Sahu Samir Gami
15.20 – 15.50	Simulation Case X – Transport on VA ECMO	Vivek Gupta Arpan Chakraborty
15.50 – 16.15	Validating Function	



**For details –**

**Contact:**

**Dr Suneel Pooboni –**

09642562218

**Dr Venkat Goyal –**

9820321815 / 09223186500

**Dr Pranay Oza –**

09821214971 / 09223186518

**Dr Arpan Chakraborty –**

9432062377

**Dr Vinod Singh –**

9810301011

**Dr Vivek Gupta –**

9815398993

**Venue – RIDDHI VINAYAK**

**MULTISPECIALITY**

**HOSPITAL**

**NALLASOPARA (WEST)**

**Email:**

ecmosocietyofindia@hotmail.com

**Web:**

www.ecmosocietyofindia.com,

**Registration:**

**Doctors: Rs 10000**

**(Members : Rs 8000)**

**Non Doctors: Rs 8000**

**(Members : Rs 6500)**

**ESOI Fellowship Student : Rs. 8000**

**ESOI Certificate Student : Rs. 5000**

**Kindly fill the registration form online  
from the above website**

**And deposit the money in favour of  
“ACADEMY OF CRITICAL CARE”**

Details of Electronic Transfer

Academy of Critical Care

PANCARD NUMBER AASFA3209K

Bank Details :-

Bank Name :- Punjab National Bank

Bank Address:- S.V.Road, Malad (West)

Mumbai 400064

Account No:- 3734002100026756

NEFT / RTGS No :-PUNB0373400

MICR Code No. 400024057

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