

ECMO applications and management - ED and Critical care Units
DAY 1- 21.08.2026

TIME	Topic	Description	SPEAKER
08:30 - 09:00	History & Physiology	Brief on ECMO history & ECMO physiology	DR PRANAY OZA
09:00 - 09:30	Indications	Indications in general & selection criteria	DR PK DAS
09:30- 10:00	Cannulation	Choice of cannulas and cannulation strategies	DR VENKAT GOYAL
10:00 - 10:30	Monitoring & Management	V-V & V-A ECMO	DR VIVEK GUPTA
10.30- 11.00	Paediatrics	How is paediatric ECMO different from adult ECMO?	DR ADITYA SHUKLA
11:30 - 12:00	Trouble Shooting	V-V & V-A ECMO	
12:00 - 12:30	Pharmacology	Anticoagulants, PK-PD of antimicrobials	DR PRANAY OZA
12:30 - 13:00	eCPR	eCPR: Rewriting the ending of cardiac arrest	DR PK DAS
13:00- 14:00	Lunch		
14:00 - 14:30	Adding Extracorporeal Therapies to ECMO	RRT, TPE & ECCO2R	DR VENKAT GOYAL
14:30 - 15:00	Hybrid Circuits	VV-A, VA-V, etc.	DR VIVEK GUPTA
15:00 - 15:30	Transport on ECMO	Intra-hospital & inter-hospital transport	DR ADITYA SHUKLA
15:30 - 16:00	Weaning & Trial Off	The final chapter in the fight for life	
16:15 - 17:00	How to Start ECMO Program in Our Institute	Panel Discussion	

DAY 2- 22.08.2026

Time	Rotations in 5 groups	Topic	Facilitator
08:30 - 09:00	Station A	Circuit components & priming	DR ATIHARSH AGARWAL
09:00 - 09:30	Station B	Cannulation	DR ADITYA SHUKLA
09:30 - 10:00	Station C	Power failure & air in circuit	DR VIVEK GUPTA
10:00 - 10:30	Station D	Oxygenator failure & pump failure	DR VENKAT GOYAL
10:30 - 11:00	Station E	Transport on ECMO	DR PK DAS
11:00 - 11:15	Tea Break		
11:15 - 13:30	Simulation	Simulation-based ECMO scenarios	DR PRANAY OZA
13:30 - 14:00	Lunch Break		
14:00 - 17:15	Simulation	Hands-on simulation and debriefing	

DAY 2- 22.08.2026

TIME	TOPIC	SPEAKER
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