

# Workshop Program

- Workshop Chair – Pranay Oza
- Workshop Co-Chair – Ramanathan KR
- Workshop Co-Ordinator – Muralikrishna
- Basic Workshop Incharge – Rakesh V & Vishal Sardhara
- Cannulation Workshop Incharge – Venkat Goyal
- Advanced Adult Workshop Incharge – Pranay Oza & Ramanathan KR
- Paediatric Workshop Incharge – Nandakishore & Jayanthikishore
- ECPR & CS workshop Incharge – Pranay Oza & Ramanathan KR

# PRECONFERENCE WORKSHOP – Basic Workshop

## 31 JAN 2026, Saturday (Virtual Talk)

	Pre Course Test MCQ – 20 marks – ONLINE on 29/01/2026 via Google form	
17.00 – 17.05	Inauguration & Lamp Lightening	
17.05 – 17.20	Course overview	
17.20 – 17.35	ECMO – Introduction & Indications	Kapil Thakkar
17.40 – 17.55	ECMO – physiology	Vamshi J
18.00 – 18.15	Type of ECMO - VA ECMO	Ravi Krishna
18.20 – 18.35	VV ECMO	Sricharan Goda
18.40 – 18.55	Hybrid ECMO & Nomenclature	Rakesh V
19.00 – 19.15	Cannulation	Niranjan Panigrahi
19.20 – 19.35	Initiation & Monitoring	Sanjay OP
19.40 – 19.55	Management	Sunil Karanth
20.00 – 20.15	Complications during ECMO	Vishal Sardhara
20.20 – 20.35	Weaning on ECMO	Rajan Barorkar
20.40 – 20.55	Blood transfusion	Srivatsa Nagachandan
21.00 – 21.15	ECMO & Renal replacement therapy	Prashant Sakhalkar
21.20 – 21.35	ECMO organization	Mahesh Balakrishna

# PRECONFERENCE WORKSHOP – Basic Workshop

**5<sup>th</sup> FEB 2026, Thursday (Hands-on)**

07.30 – 08.00	Registration & Breakfast	
08.00 – 08.15	Inauguration & Lamp Lightening	
08.15 – 08.35	Recap	
08.35 – 09.45	Practical Session – Demonstration of Components, Circuit preparation & Circuit priming	
9.45 – 10.45	Practical Session – Demonstration of Initiation, Monitoring on ECMO – Simulation	
10.45 – 12.50	Practical sessions (25 mins each)	
	Station I – Circuit preparation – selection of component & making circuit & calculation of priming volume	Kapil Thakkar
	Station II – Circuit priming – priming volume & priming solution	Ravi Krishna
	Station III – Transport on ECMO Simulation	Rakesh V
	Station IV – Proning on ECMO Simulation	Vamshi J
	Station V – Mobilization while on ECMO	Vishal Sardhara
12.50 – 13.25	Practical Session – Demonstration of managing Mechanical complication	
13.25 – 14.00	Lunch	
14.00 – 16.05	Practical Session (25 mins each)	
	Station I – Power failure	Kapil Thakkar
	Station II – Air in circuit	Vishal Sardhara
	Station III – Component change – Pump	Vamshi J
	Station IV – Component change – Oxygenator	Ravi Krishna
	Station V – Weaning, Trial off & weaning failure VV/ VA ECMO	Rakesh V
16.15 – 18.15	Simulation Scenarios – 4 to 6 Scenarios (GETINGE Team)	Rakesh V, Ravi Krishna, Kapil Thakkar, Vamshi J & Vishal Sardhara
18.15 – 18.30	Post Course test & Validation	

# PRECONFERENCE WORKSHOP – Advanced VA/VV Workshop

## 31 JAN 2026, Saturday (Virtual talk)

	Pre Course Test MCQ – 20 marks – ONLINE on 29/01/2026 via Google form	
17.00 – 17.05	Inauguration & Lamp Lightening	
17.05 – 17.20	Course overview	
17.20 – 17.35	Type of ECMO - VA, VV & Hybrid ECMO	Venkat Goyal
17.40 – 17.55	Ventilation strategy during ECMO & Awake ECMO	Vinod Singh
18.00 – 18.15	How can I hasten my patients lung recovery on VV ECMO	Arpan Chakraborty
18.20 – 18.35	Hypoxia during VV ECMO – causes & treatment, when to intervene	Pranay Oza
18.40 – 18.55	D15 on VV ECMO – Hypotension- how should I approach it	Ahmed Rabie
19.00 – 19.15	Pulmonary edema worsening on VA ECMO – What next?	Sachin Shah
19.20 – 19.35	Differential Hypoxia – should I be happy or worry?	Ramanathan KR
19.40 – 19.55	ECMO Dilemma – Laparotomy/ Surgical Procedures during ECMO – to be or not to be	Vivek Gupta
20.00 – 20.15	Hypoperfusion on VA ECMO – What to do	Senthil (Singapore)
20.20 – 20.35	ECPR- How do I do it?	Rodrigo
20.40 – 20.55	CO2 Removal devices	Dipanjon Chatterjee
21.00 – 21.15	ECMO in Transplant ICU	Murali Krishna

# PRECONFERENCE WORKSHOP – Advanced Workshop

**5<sup>th</sup> FEB 2026, Thursday (Hands-on)**

07.40 – 08.20	Breakfast	
	Simulation Station – 13 Scenarios (6 students in each group)	Pranay Oza & Ramanathan KR
08.35 – 09.05	Simulation Case I VV ECMO Scenario	
09.10 – 09.40	Simulation Case II VV ECMO Scenario	Samir Shah
09.45 – 10.15	Simulation Case III VV ECMO Scenario	Ahmed Rabie
10.15 – 10.35	TEA BREAK	
10.40 – 11.10	Simulation Case IV VV ECMO Scenario	
11.15 – 011.45	Simulation Case V VV ECMO Scenario	
11.55 – 12.25	Simulation case VI VV ECMO Scenario	
12.30 – 13.00	Simulation Case VII VV ECMO Scenario	Pramod Guru
13.10 – 13.45	Simulation Case VIII VV ECMO Scenario	
13.45 – 14.15	Simulation Case IX VA ECMO Scenario	
14.20 – 14.50	Simulation Case X VA ECMO Scenario	
14.55 – 15.25	Simulation Case XI VA ECMO Scenario	Rodrigo Diaz
15.30 – 16.00	Simulation Case XII VA ECMO Scenario	R. Mohan
16.05 – 16.35	Simulation Case XIII VA ECMO Scenario	Murali Krishna
16.35 – 16.50	Post Course test & Validation	

# PRECONFERENCE WORKSHOP – Cannulation Workshop

## 1<sup>st</sup> February 2026, Sunday (Virtual Talk)

	Pre Course Test MCQ – 20 marks – ONLINE on 29/01/2026 via Google form	
17.00 – 17.05	Inauguration & Lamp Lightening	
17.05 – 17.20	Course overview	
17.20 – 17.35	VV ECMO Cannulation – Different approaches	Vinod Singh
17.40 – 17.55	VA ECMO Cannulation – Different approaches	Venkat Goyal
18.00 – 18.15	Hybrid ECMO Cannulation – Different Approach	Mathews
18.20 – 18.35	Cannulating a Pregnant female – points to consider	Dipanjon Chatterjee
18.40 – 18.55	Cannulating a Morbidly Obese patient – how I prepare myself	Senthil
19.00 – 19.35	Tribute – Central Cannulation for all VA ECMO – Pro, Con & Balanced	Julius, KMK & Ramanathan KR
19.40 – 19.55	Cannulation Dilemma – patient post thrombolysis or in severe coagulopathy – When & how cannulation	Sachin Shah
20.00 – 20.15	Cannulation related complications	Munish
20.20 – 20.35	Decannulating VA ECMO different approaches	Govini Balasubramani
20.40 – 20.55	Losing cannula during ECMO run – My role as cannulator	Arpan Chakraborty
21.00 – 21.15	Cannulation related Infection	Kiran/ Ali Ait hussain
21.20 – 21.35		

# PRECONFERENCE WORKSHOP – Cannulation Workshop

**5<sup>th</sup> FEB 2026, Thursday (Hands-on)**

07.30 – 08.00	Registration & Breakfast	
08.00 – 08.15	Inauguration & Lamp Lightening	
08.15 – 08.35	Recap	
08.35 – 09.45	Practical Session – Demonstration of Cannulation Seldinger technique	
9.45 – 10.45	Practical Session – Demonstration of Axillary artery cannulation & RA to PA cannulation	
10.45 – 12.50	Practical sessions (25 mins each)	
	Station I – VV ECMO cannulation	Vivek Gupta
	Station II – VA ECMO Cannulation	Venkat Goyal
	Station III – Cannulation of Morbidly Obese	Senthil
	Station IV – DL Cannulation	Muralikrishna
	Station V – Cannulation during ECPR	Dipanjan Chatterjee
12.50 – 13.25	Practical Session – Demonstration of Central Cannulation	
13.25 – 14.00	Lunch	
14.00 – 16.05	Practical Session (30 mins each)	
	Station I – Distal Perfusion cannula – different approach	Venkat Goyal
	Station II – Care of ECMO Cannula in Prolonged ECMO	Dipanjan Chatterjee
	Station III – Inadequate flow Post Cannulation	Vivek Gupta
	Station IV – Converting to Hybrid ECMO	Govini Balasubramani
	Station V – Decannulating VA ECMO	Senthil
16.15 – 18.15	<b>Simulation Scenarios – 4 to 6 Scenarios</b>	
	Cannulation planning Scenario 1	Venkat Goyal
	Cannulation planning Scenario 2	Dipanjan Chatterjee
	Cannulation planning Scenario 3	Vivek Gupta
	Hypotension Post cannulation Scenario 1	K Madhankumar
	Hypotension Post cannulation Scenario 2	
18.15 – 18.30	No change in vitals Post cannulation	
	Post Course test & Validation	

# PRECONFERENCE WORKSHOP – ECPR & CS Workshop

## 1<sup>st</sup> February 2026, Sunday (Virtual Talk)

Pre Course Test MCQ – 20 marks – ONLINE on 29/01/2026 via Google form

17.00 – 17.05	Introduction	
17.05 – 17.20	Course overview	
17.20 – 17.40	Current Paradigms in Cardiogenic Shock: Definitions and Classification	Venkat Goyal
17.45 – 18.05	Echocardiography in Patients on MCS Devices	Suresh Rao or Murali
18.10 – 18.30	Hemodynamics in Cardiogenic Shock	Aniket Ralli
18.35 – 18.55	How to develop Shock team in Indian scenario	Ramanathan KR
19.00 – 19.20	Cardiogenic Shock – which device when	Bindu Akranti
19.25 – 19.45	Organization of ECPR program	Arpan Chakraborty
19.50 – 20.10	Tips to improve outcome in IHCA	Rodrigo Diaz
20.15 – 20.35	ECPR in OHCA, Pre-Hospital Care & Patient selection for ECPR	Okada
20.40 – 21.00	Neuromonitoring & Prognostication in ECPR	Lakshmi Raman
21.05 – 21.25	Post ECPR Care	Sachin Shah

# PRECONFERENCE WORKSHOP – ECPR Workshop

## 6<sup>th</sup> FEB 2026, Thursday (Hands-on)

07.30 – 08.00	Registration & Breakfast	
08.00 – 08.15	Inauguration & Lamp Lightening	
08.15 – 08.40	Recap	
08.40 – 09.00	Practical Session – Demonstration of ECPR – how to do it	
	Station 1 – Preparing ED for OHCA patient	Rodrigo & Pranay Oza
09.00 – 10.30	Station II – Selection & Pre ECPR Management for IHCA	Ramanathan KR & Arpan Chakraborty
	Station III – Hands on Cannulation during ECPR	Venkat Goyal & Dipanjan
10.30 – 10.45	Tea Break	
10.45 – 11.45	Practical Session (40 mins each) Station I – ECPR in Cath Lab Station II – ECPR in Emergency Room Station III – ECPR in WARDS Station IV – ECPR in ICU Station V – ECPR in PICU	Venkat Goyal, Vivek Gupta Pranay Oza, Rodrigo Dipanjan Chatterjee, Ramanathan & Arpan Chakraborty Suneel Pooboni, Samir Shah
11.45 – 13.00	Debriefing & discussion on ECPR	All faculties
13.00 – 13.45	Lunch	
13.45 – 16.15	Practical sessions (30 mins each) – Station I – Case base discussion – ECMO + IABP Station II – Case base discussion – Impella Station III – LV venting strategy – Non Invasive Station IV – LV venting strategy – Invasive Station V – Demonstration of Impella – Parts, Parameters & Trouble shooting of Impella	Venkat Goyal & Vivek Gupta Ramanathan KR Pranay Oza Senthilkumar.D Muralikrishna
16.15 – 16.30	Meet the Expert – Ask me anything on ECPR/ CS	All faculties
16.30 – 16.45	Post Course test & Validation	