

5th Najran medical forum

**ECMO
COURSE
(27-30/11/2023)**



5th Najran medical forum

Speakers

Dr Alyaa El Hazmi
Dr Aly Al Bashabshy
Dr Ahmed Rabei
Dr Nada Aljassim
Dr Wadiyah Al filfil
Dr Islam Seada
Dr Mohamed Alshahrani
Dr Ahmed Omar
Mr Ali Al Shaibian
Ms Juvy Matienzo
Mr Jinil Raj
Ms Zakia Albalhareth

Course Directors :

Dr Islam seada

Dr Alyaa El Hazmi

Keynote Guests

**Dr Hasan Al Massloom
Dr Mohamed Azam
Dr Hossam Bahaa Eldin**

5th Najran medical forum

1st Day

27-11-2023

TIME	TOPIC
7:00am-08:00am	Registration
08:00am-08:30am	Introduction and welcoming
08:30am-09:00am	History
09:00am-10:00am	Circuit overview- Cannulas, tubing-Pump membrane lung, and Blender-Pressure monitoring
10:00am-11:00am	Machine and Priming
11:00am-12:00am	Physiology of ECLS
12:00pm-01:00pm	Lunch and pray
01:00pm-02:00pm	Cannulation-VV Configuration- VA configuration- Cannulation Complications
02:00am-02:45pm	Oxygen delivery-gas transfer in membrane lung
02:45pm-03:00pm	Break
03:00pm -04:00pm	Orientation of the Machine and ECMO machine configurations
04:00pm-05:00pm	Meet Experts

5th Najran medical forum

2nd Day

28-11-2023

TIME	TOPIC		
08:00am-08:30am	Patient selection of VV ECMO-initiation of VV ECMO		
08:30am-09:00am	Hemodynamic monitoring on VV ECMO		
09:00am-09:30am	VV ECMO maintenance- recirculation		
09:30am-10:00am	Weaning of VV ECMO		
10:00pm-10:30pm	Break		
Simulation (30min/station) 10:30-12:00	Class 1	Class 2	Class 3
	Refractory hypoxemia in VV ECMO	Cannulas orientation & safe connection to circuit	Priming
10:30-11:00	A	B	C
11:00-11:30	B	C	A
11:30-12:00	C	A	B
12:00pm-12:00pm	Lunch and pray		
01:00pm-01:30pm	Anticoagulation in ECMO		
01:30pm-02:30pm	Modes of ventilation- lung protections - sedations		
02:30pm -03:00pm	break		
03:00pm-05:00pm	Meet Experts		

5th Najran medical forum

3rd Day

29-11-2023

TIME	TOPIC		
08:00am-08:30am	Patient selection of VA ECMO-initiation of VA ECMO		
08:30am-09:00am	Hemodynamic monitoring on VA ECMO		
09:00am-09:30am	VA ECMO maintenance- Differential oxygenation- LV distension		
09:30am-10:00am	Weaning of VA ECMO		
10:00pm-10:30pm	Break		
Simulation (30min/station) 10:30-12:00	Class 1	Class 2	Class 3
	Pump failure	Air embolus	Gas failure
10:30-11:00	A	B	C
11:00-11:30	B	C	A
11:30-12:00	C	A	B
12:00pm-12:00pm	Lunch and pray		
01:00pm-01:30pm	ECPR		
01:30pm-02:30pm	Coming off ECMO emergently (forced ECMO decannulation)		
02:30pm -03:00pm	Renal replacement therapy during ECMO run		
03:00pm-05:00pm	Meet Experts		

5th Najran medical forum

4th Day

30-11-2023

TIME	TOPIC		
08:00am-08:30am	Nurse-RT model of ECMO (ECMO Specialist)		
08:30am-09:30am	Nursing role in ECMO		
09:30am-10:00am	Physiotherapy and Rehabilitation		
10:00pm-10:30pm	Break		
Simulation (30min/station) 10:30-12:00	Class 1	Class 2	Class 3
	Drainage insufficiency	Membrane lung failure	Circuit Disruption - Accidental decannulation
	A	B	C
	B	C	A
	C	A	B
12:00pm-12:00pm	Lunch and pray		
01:00pm-01:30pm	Pediatric ECMO challenges		
01:30pm-02:30pm	ECMO complications: bleeding-thrombosis-hemolysis- limb ischemia-neurological complications.		
02:30pm -03:00pm	Recent Evidence for ECMO		
03:00pm-05:00pm	Exam		