

Innovative Horizons: Transforming Critical Care Medicine

Mayo Clinic Kinnie Auditorium – Cannaday Building

August 9 - 11, 2024

Agenda Times are Eastern Standard Time

Day 1- Friday, August 9

7:00 a.m.	7:20 a.m.	Registration & Continental Breakfast
7:20 a.m.	7:30 a.m.	Welcome & Course Highlights Pablo Moreno Franco, M.D., Devang Sanghavi, M.B.B.S., M.D., and Pramod K. Guru, M.B.B.S., M.D.
7:30 a.m.	7:45 a.m.	Patient-centered critical care medicine: past, present and future (Online) Ognjen Gajic, M.D.
Critical Care Essentials		
7:45 a.m.	8:00 a.m.	Respiratory Failure Types, Airway Assessments, Devices for O2 Delivery Anna Shapiro, M.D.
8:00 a.m.	8:15 a.m.	ARDS: Old and New Sonal Pannu, M.D.
8:15 a.m.	8:30 a.m.	When to Intubate? Jose Soto-Soto, M.D.
8:30 a.m.	8:45 a.m.	Sedatives, Analgesia, Neuromuscular Blockade and Delirium in ICU TBD
8:45 a.m.	9:00 a.m.	Panel Discussion
9:00 a.m.	9:15 a.m.	Shock Physiology, Pros & Cons of Monitoring Technique Jacob Jentzer, M.D.
9:15 a.m.	9:30 a.m.	Heart Failure: Physiology and Management Parag Patel M.D.
9:30 a.m.	9:45 a.m.	Sepsis: Definitions, Updates, & Approaches Joseph Nates, M.D.
9:45 a.m.	10:00 a.m.	Panel Discussion
10:00 a.m.	10:15 a.m.	Break and Exhibits
10:15 a.m.	10:30 a.m.	Fluids as a Drug: Types, Dose, Duration and Side Effects Gregory Schears, MD
10:30 a.m.	10:45 a.m.	Bleeding and Coagulopathy in ICU Troy Seelhammer, M.D.
10:45 a.m.	11:00 a.m.	Acute Kidney Injury and Renal Replacement Therapy Kianoush Kashani, M.D.

11:00 a.m.	11:15 a.m.	Panel Discussion
11:15 a.m.	11:30 a.m.	Approach To Acute Liver Failure Pablo Moreno Franco, M.D.
11:30 a.m.	11:45 a.m.	Critical Care for Non-intensivist Swetha Reddy, M.B.B.S.
11:45 a.m.	12:00 p.m.	Antibiotics and Stewardship Jack O'Horo, M.D.
12:00 p.m.	12:15 p.m.	Panel Discussion
12:15 p.m.	12:30 p.m.	Break
12:30 p.m.	1:00 p.m.	Lunch and Learn Sepsis in the Cancer Patient and Outcomes of Septic Shock in the Patient with Solid Tumors and Hematological Malignancies Joseph Nates, M.D.
Critical Care Updates		
Year- In- Review (Lectures Only)		
1:00 p.m. - 1:30 p.m.		
1:00 p.m.	1:30 p.m.	Neuro Critical Care Alejandro Rabinstein, M.D.
1:30 p.m.	2:00 p.m.	Surgical Critical Care Quintin Quinones, M.D., Ph.D.
2:00 p.m.	2:30 p.m.	Trauma Critical Care Diem Vu, M.D.
2:30 p.m.	2:45 p.m.	Break
Amazing and Awesome Cases (Audience Participation)		
2:45 p.m.	3:45 p.m.	1 st Case Pramod K. Guru, M.B.B.S., M.D.
3:45 p.m.	4:45 p.m.	2 nd Case Raja Reddy, M.D.
4:45 p.m.	5:15 p.m.	Debrief and Adjourn

Day 2- Saturday, August 10		
Critical Care Controversies		
7:00 a.m.	7:10 a.m.	Continental Breakfast & Course Updates: Course Directors
7:10 a.m.	7:30 a.m.	Protecting People’s Ventricle Nathan Waldron, M.D.
7:30 a.m.	8:00 a.m.	Glucocorticoids in ARDS (COVID19 & non COVID19) Philippe Bauer, M.D.
8:00 a.m.	8:30 a.m.	Temperature Management in Cardiac Arrest Christopher Kramer, M.D.
8:30 a.m.	9:00 a.m.	PA Catheter for All Jose Nativi, M.D.
9:00 a.m.	9:30 a.m.	ECMO in ARDS Sanjay Chaudhary, M.B.B.S., M.D.
9:30 a.m.	9:45 a.m.	Break and Exhibits
9:45 a.m.	10:15 a.m.	Immunonutrition in Critical Care Carla Venegas, M.D. vs MCA colleagues
10:15 a.m.	10:45 a.m.	Rate, Rhythm or Rest: Approach to Arrhythmias in ICU Fred Kusumoto, M.D.
10:45 a.m.	11:15 a.m.	ECPR: Is it Prime Time Pramod K. Guru, M.B.B.S., M.D.
11:15 a.m.	11:45 a.m.	E-ICU: Good or Bad Krzysztof Laudanski, M.D.
11:45 a.m.	12:00 p.m.	Break
12:00 p.m.	1:00 p.m.	Lunch and Learn Keynote Speaker Fluids as a Drug: Types, Dose, Duration and Side Effects Greg Schears, M.D.
Afternoon Simulations/Small Groups Simulation Center (Total 4hr 15 min)		
Rotation #1 1:00 p.m.	2:00 p.m. PSL ICU Med surge LC AB	Group A1: Basic Mechanical Ventilation → (30 minutes) Group A2: Advance Mechanical Ventilation→ (30 minutes) Philippe Bauer, M.D., Ph.D., Anirban Bhattacharya, M.D., M.S., Anna Shapiro, M.D., and Neal Patel, M.D., M.P.H. ----- Group B1: Hemodynamic Monitoring: PA catheter and Others Group B2: Hemodynamic Monitoring: PA catheter and Others Pablo Moreno Franco, M.D., Quintin Quinones, M.D., Ph.D. ----- Group C1: Vascular Access: Central Line Group C2: Vascular Access: Arterial Line & IO Philip Lowman, M.D., Jeffrey Peel, M.D., Sanjay Chaudhary, M.B.B.S., M.D. ----- Group D1: POCUS: Cardiac

		Group D2: POCUS: Vascular Hari Kalagara, M.B.B.S., M.D., Carla Venegas, M.D., Nathan Waldron, M.D.
Rotation #2 2:00 p.m.	3:00 p.m.	Group B1: Basic Mechanical Ventilation → (30 minutes) Group B2: Advance Mechanical Ventilation→ (30 minutes) Philippe Bauer, M.D., Ph.D., Anirban Bhattacharya, M.D., M.S., Anna Shapiro, M.D., and Neal Patel, M.D., M.P.H. ----- Group A1: Hemodynamic Monitoring: PA catheter and Others Group A2: Hemodynamic Monitoring: PA catheter and Others Pablo Moreno Franco, M.D., Quintin Quinones, M.D., Ph.D. ----- Group D1: Vascular Access: Central Line Group D2: Vascular Access: Arterial Line & IO Philip Lowman, M.D., Jeffrey Peel, M.D., Sanjay Chaudhary, M.B.B.S., M.D. ----- Group C1: POCUS: Cardiac Group C2: POCUS: Vascular Hari Kalagara, M.B.B.S., M.D., Carla Venegas, M.D., Nathan Waldron, M.D.
3:00 p.m.	3:15 p.m.	Break all Groups
Rotation #3 3:15 p.m.	4:15 p.m.	Group C1: Basic Mechanical Ventilation → (30 minutes) Group C2: Advance Mechanical Ventilation→ (30 minutes) Philippe Bauer, M.D., Ph.D., Anirban Bhattacharya, M.D., M.S., Anna Shapiro, M.D., and Neal Patel, M.D., M.P.H. ----- Group D1: Hemodynamic Monitoring: PA catheter and Others Group D2: Hemodynamic Monitoring: PA catheter and Others Pablo Moreno Franco, M.D., Quintin Quinones, M.D., Ph.D. ----- Group A1: Vascular Access: Central Line Group A2: Vascular Access: Arterial Line & IO Philip Lowman, M.D., Jeffrey Peel, M.D., Sanjay Chaudhary, M.B.B.S., M.D. ----- Group B1: POCUS: Cardiac Group B2: POCUS: Vascular Hari Kalagara, M.B.B.S., M.D., Carla Venegas, M.D., Nathan Waldron, M.D.
Rotation #4 4:15 p.m.	5:15 p.m.	Group D1: Basic Mechanical Ventilation → (30 minutes) Group D2: Advance Mechanical Ventilation→ (30 minutes) Philippe Bauer, M.D., Ph.D., Anirban Bhattacharya, M.D., M.S., Anna Shapiro, M.D., and Neal Patel, M.D., M.P.H. ----- Group C1: Hemodynamic Monitoring: PA catheter and Others Group C2: Hemodynamic Monitoring: PA catheter and Others Pablo Moreno Franco, M.D., Quintin Quinones, M.D., Ph.D. ----- Group B1: Vascular Access: Central Line Group B2: Vascular Access: Arterial Line & IO Philip Lowman, M.D., Jeffrey Peel, M.D., Sanjay Chaudhary, M.B.B.S., M.D.

		----- Group A1: POCUS: Cardiac Group A2: POCUS: Vascular Hari Kalagara, M.B.B.S., M.D., Carla Venegas, M.D., Nathan Waldron, M.D.
5:15 p.m.	5:30 p.m.	Debrief and Adjourn
Day 3: Sunday, August 11		
Critical Care Tomorrow		
7:00 a.m.	7:25 a.m.	Continental Breakfast & Updates
7:25 a.m.	7:35 a.m.	Shock Tier and Team Parag Patel, M.D.
7:35 a.m.	8:55 a.m.	Pulmonary Hypertension for the Intensivist Charles Burger, M.D.
8:55 a.m.	9:15 a.m.	Drugs and Dosing in the ICU Hannah Brinkman, Pharm.D., R.PH., BCCCP
9:15 a.m.	9:35 a.m.	Individualized Medicine in Critical Care Ayan Sen, M.D.
9:35 a.m.	9:55 a.m.	Training the Next Generation Intensivist William D. Freeman, M.D.
9:55 a.m.	10:15 a.m.	Break and Exhibits
10:15 a.m.	10:35 a.m.	Future Pandemic Jack O'Horo, M.D., M.P.H.
10:35 a.m.	10:55 a.m.	Ethics In Critical Care: Decision-Making Role Ricardo Diaz-Milian, M.D.
10:55 a.m.	11:15 a.m.	Machine Learning and ICU Anirban Bhattacharya, M.D.
11:15 a.m.	11:35 a.m.	Not So Common Encounters: Burns and Trauma Scott Helgeson, M.D.
11:35 a.m.	11:55 p.m.	ICU of the Future Devang Sanghavi, M.B.B.S., M.D.
11:55 p.m.	12:35 p.m.	Debrief and Adjourn