

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 <i>Pablo Moreno Franco, M.D., Devang Sanghavi, M.B.B.S., M.D., and Pramod K. Guru, M.B.B.S., M.D.</i>
7:30 a.m.	7:45 a.m.	Critical Care Medicine History and Overview Ognjen Gaijic, M.D.
Critical Care Essentials		
7:45 a.m.	8:00 a.m.	<i>Respiratory failure Types, Airway Assessments, Devices for O2 delivery</i> 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? Alice Gallo De Moraes, M.D.
8:30 a.m.	8:45 a.m.	Sedatives, Analgesia, Neuromuscular Blockade and Delirium in ICU Wes Ely. M.D.
8:45 a.m.	9:00 a.m.	Panel Discussion
9:00 a.m.	9:15 a.m.	<i>Shock Physiology, Pros & Cons of Monitoring technique</i> Jacob Jentzer, M.D.
9:15 a.m.	9:30 a.m.	<i>Heart Failure: Physiology and Management</i> Nandan Anavekar. M.B., B.CH.
9:30 a.m.	9:45 a.m.	<i>Sepsis: Definitions, Updates, & Approaches</i> Emmanuel Rivers, 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 John Kellum, R.N.
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 Kinousu 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 <i>Pablo Moreno Franco, M.D.</i>
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 KEY NOTE Lecture: Dr Kellum /Dr Ely /Dr Rivers
Critical Care Updates		
Year- In- Review (Lectures Only)		
1:00 p.m.	1:30 p.m.	<i>Neuro Critical Care</i> <i>Alejandro Rabinstein, M.D.</i>
1:30 p.m.	2:00 p.m.	<i>Surgical Critical Care</i> <i>Quintin Quinones, M.D., Ph.D.</i>
2:00 p.m.	2:30 p.m.	<i>Trauma Critical Care</i> <i>Mariela Rivera, M.D.</i>
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, MD Anderson
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) Brent 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.	<i>ECMO in ARDS</i> <i>Sanjay Chaudhary, M.B.B.S., M.D.</i>
9:30 a.m. 9:45 a.m. Break and Exhibits		
9:45 a.m.	10:15 a.m.	<i>Immunonutrition in Critical Care</i> <i>Carla Venegas, M.D. vs MCA colleagues</i>
10:15 a.m.	10:45 a.m.	<i>Rate, Rhythm or Rest: Approach to Arrhythmias in ICU</i> <i>Harrish Ramakrishna, M.D.</i>
10:45 a.m.	11:15 a.m.	<i>ECPR : Is it Prime Time</i> <i>Pramod K. Guru, M.B.B.S., M.D.</i>
11:15 a.m.	11:45 a.m.	E-ICU: Good or Bad <i>Krzysztof Laudanski, M.D.</i>
11:45 a.m. 12:00 p.m. Break		
12:00 p.m.	1:00 p.m.	Lunch and Learn Keynote Speakers
Afternoon Simulations/Small Groups Simulation Center (Total 4hr 15 min)		
Rotation #1 1:00 p.m.	2:00 p.m.	<p>Group A1: Basic Mechanical Ventilation → (30 minutes) Group A2: Advance Mechanical Ventilation→ (30 minutes) Drs Bauer, Bhattacharya, Shapiro, and Neal Patel</p> <p>-----</p> <p>Group B1: Hemodynamic Monitoring: PA catheter and Others Group B2: Hemodynamic Monitoring: PA catheter and Others Drs Khan, Moreno Franco, Quinones</p> <p>-----</p> <p>Group C1: Vascular Access: Central Line Group C2: Vascular Access: Arterial Line & IO Drs Lowman, Peel, Chaudhary, and Rodrigues</p> <p>-----</p> <p>Group D1: POCUS: Cardiac Group D2: POCUS: Vascular Drs Kalagara, Panda, Venegas, Waldron</p>

<p>Rotation #2 2:00 p.m.</p>	<p>3:00 p.m.</p>	<p>Group B1: Basic Mechanical Ventilation → (30 minutes) Group B2: Advance Mechanical Ventilation→ (30 minutes) Drs Bauer, Bhattacharya, Shapiro, and Neal Patel ----- Group A1: Hemodynamic Monitoring: PA catheter and Others Group A2: Hemodynamic Monitoring: PA catheter and Others Drs Khan, Moreno Franco, Quinones ----- Group D1: Vascular Access: Central Line Group D2: Vascular Access: Arterial Line & IO Drs Lowman, Peel, Chaudhary, and Rodrigues ----- Group C1: POCUS: Cardiac Group C2: POCUS: Vascular Drs Kalagara, Panda, Venegas, Waldron</p>
<p>3:00 p.m.</p>	<p>3:15 p.m.</p>	<p>Break all Groups</p>
<p>Rotation #3 3:15 p.m.</p>	<p>4:15 p.m.</p>	<p>Group C1: Basic Mechanical Ventilation → (30 minutes) Group C2: Advance Mechanical Ventilation→ (30 minutes) Drs Bauer, Bhattacharya, Shapiro, and Neal Patel ----- Group D1: Hemodynamic Monitoring: PA catheter and Others Group D2: Hemodynamic Monitoring: PA catheter and Others Drs Khan, Moreno Franco, Quinones ----- Group A1: Vascular Access: Central Line Group A2: Vascular Access: Arterial Line & IO Drs Lowman, Peel, Chaudhary, and Rodrigues ----- Group B1: POCUS: Cardiac Group B2: POCUS: Vascular Drs Kalagara, Panda, Venegas, Waldron</p>
<p>Rotation #4 4:15 p.m.</p>	<p>5:15 p.m.</p>	<p>Group D1: Basic Mechanical Ventilation → (30 minutes) Group D2: Advance Mechanical Ventilation→ (30 minutes) Drs Bauer, Bhattacharya, Shapiro, and Neal Patel ----- Group C1: Hemodynamic Monitoring: PA catheter and Others Group C2: Hemodynamic Monitoring: PA catheter and Others Drs Khan, Moreno Franco, Quinones ----- Group B1: Vascular Access: Central Line Group B2: Vascular Access: Arterial Line & IO Drs Lowman, Peel, Chaudhary, and Rodrigues ----- Group A1: POCUS: Cardiac Group A2: POCUS: Vascular Drs Kalagara, Panda, Venegas, Waldron</p>
<p>5:15 p.m.</p>	<p>5:30 p.m.</p>	<p>Debrief and Adjourn</p>

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 <i>Parag Patel, M.D.</i>
7:35 a.m.	8:55 a.m.	<i>Pulmonary Hypertension for Intensivist</i> <i>Charles Burger, M.D.</i>
8:55 a.m.	9:15 a.m.	Drugs and Dosing for ICU <i>Erin Barreto, R.Ph.</i>
9:15 a.m.	9:35 a.m.	Individualized Medicine in Critical Care Ayan Sen, M.D.
9:35 a.m.	9:50 a.m.	Break and Exhibits
9:50 a.m.	10:00 a.m.	Training the Next Generation Intensivist <i>William D. Freeman, M.D.</i>
10:10 a.m.	10:25 a.m.	Break and Exhibits
10:25 a.m.	10:45 a.m.	Future Pandemic <i>Jack O'Horo, M.D., M.P.H.</i>
10:45 a.m.	11:05 a.m.	Ethics In Critical Care : Decision Making Role <i>Ricardo Diaz-Milian, M.D.</i>
11:05 a.m.	11:25 a.m.	Machine Learning and ICU Anirban Bhattacharya, M.D.
11:25 a.m.	11:45 a.m.	Not So Common Encounters: Burns and Trauma Scott Helgeson, M.D.
11:45 a.m.	12:15 p.m.	ICU of the Future Devang Sanghavi, M.B.B.S., M.D.
12:15 p.m.	12:45 p.m.	Debrief and Adjourn