

2026 IU School of Medicine and IU Health

Critical Care Medicine Conference



SCHOOL OF MEDICINE
INDIANA UNIVERSITY



Indiana University Health

Time	Session	Faculty	Learning objectives
8:30-8:50	Arrival and coffee		
8:50-9:00	Welcome/overview	Co-chairs	
9:00- 9:30	Topic 1: OB ICU Updates in Critical Care Medicine	Faculty 1: Dr. Caitlin Baxter	1. Integrate emerging evidence on management of obstetric hemorrhage, hypertensive disorders, and peripartum cardiomyopathy in the ICU setting. 2. Apply updated recommendations for respiratory failure, sepsis, and thromboembolic disease in pregnancy and the postpartum period. 3. Identify systems-based strategies to optimize multidisciplinary collaboration and improve maternal outcomes in community and tertiary centers.
9:30-10:00	Topic 2: Trauma ICU Considerations and Implications in the Community and Beyond	Fac 2: Dr. Timothy Ellender	1. Apply evolving evidence in damage control resuscitation, transfusion strategies, and traumatic brain injury management. 2. Recognize resource-adapted approaches for trauma critical care in non-tertiary and rural settings. 3. Evaluate post-resuscitation critical care priorities that influence long-term neurologic and functional outcomes.
10:00-10:30	Topic 3: Emerging Evidence in Management of Intracerebral Hemorrhage and Neuroprognostication.	Fac 3: Dr. Omar Rahman	1. Outline recent advances in management of ICH 2. Review most up-to-date best practices in neuroprognostication
10:30-10:45	Break		
10:45-11:45	Keynote: Artificial Intelligence in Medicine — Current State and Future	Keynote speaker: Dr. Catherine Gao-Confirmed	1. Describe current applications of artificial intelligence in critical care, including predictive analytics and clinical decision support. 2. Evaluate limitations, ethical considerations, and bias risks associated with AI-driven tools. 3. Identify future opportunities for AI integration to improve ICU workflows, patient safety, and outcomes.
11:45-12:45	Lunch		
12:45-1:15	Topic 4: Managing Transplant Patients in the ICU: Pre-,	Fac 4: Dr. David Roe Confirmed	1. Identify ICU management strategies that optimize candidacy and outcomes in patients awaiting organ transplantation.

	Peri-, and Post-Transplant Challenges		2. Apply emerging evidence in peri-transplant critical care, including immunologic complications and infection risk. 3. Recognize long-term critical care challenges in transplant recipients, including graft dysfunction and immunosuppression-related complications.
1:15-1:45	Topic 5: Liver Failure: Updates in Pharmacology, and Advances in Hepatic Support Strategies.	Fac 5: Dr. Eric Orman	1. Evaluate emerging therapies in acute liver failure and hepatorenal syndrome, including terlipressin and extracorporeal liver support strategies. 2. Recognize indications and evidence for plasma exchange (PLEX) and other adjunctive therapies. 3. Identify early referral criteria and ICU optimization strategies for liver transplantation candidacy.
1:45-2:15	Topic 6: Critical Care Echocardiography: Advances and Utilization	Fac 6: Dr. Edwin Jackson	1. Integrate advanced critical care echocardiography techniques to guide hemodynamic assessment and shock differentiation. 2. Apply emerging protocols for echo-guided fluid responsiveness and right ventricular failure management. 3. Recognize limitations, pitfalls, and quality assurance strategies in point-of-care echocardiography.
2:15-2:30	Break		
2:30-4:30	Interactive session A: Critical Care TEE (Hands-On)	Fac 7: Dr. Bundy, Coghlan, Grotberg + probably Jackson	1. Acquire and interpret essential TEE views relevant to shock, valvular pathology, and mechanical support. 2. Apply TEE findings to real-time hemodynamic decision-making. 3. Recognize clinical scenarios where TEE alters management compared with transthoracic imaging.
2:30-4:30	Interactive session B: Managing Shock in 2026 (Interactive Branching Cases)	Fac 8: Dr. Rozenbaum, Gretchen Suarez + Fellow + NP	1. Differentiate distributive, cardiogenic, obstructive, and mixed shock using modern diagnostic and hemodynamic tools. 2. Apply updated evidence on vasopressor selection, inotrope use, and mechanical support escalation. 3. Develop adaptive decision-making strategies for complex shock states with evolving clinical data.
4:30-4:45	Wrap up	Co-chairs	
5:00-end	Happy Hour		