

Neonatal and Pediatric POCUS Course

From Basic Skills to Hemodynamic TnECHO Insight

Thursday, February 25, 2027

Day 1 - Foundations and Core POCUS

9:00 – 9:30 am	POCUS: Luxury or Necessity? Course Objectives Faculty: Yogen Singh, M.D.
9:30 – 10:00 am	Knobology, Medical Physics and Artifacts - Fundamentals of Ultrasound Faculty: Lisa Mills, M.D.
10:00 – 10:30 am	US-Guided PIV and Procedures Faculty: Belinda Chan, M.D.
10:30 – 10:45 am	Break
10:45 – 11:30 am	Hands-On Stations: (All stations cover the same material; no rotation) Faculty: Yogen Singh, M.D.; Belinda Chan, M.D.; Lisa Mills, M.D.; Viyeka Sethi, M.D.; Kara Kuhn-Riordon, M.D. Knobology and Machine Identify Blood Vessels US-guided PIV
11:30 am – 12:00 pm	Basic Cardiac Views for POCUS Faculty: Yogen Singh, M.D.
12:00 – 12:30 pm	Lung Ultrasound Faculty: Belinda Chan, M.D.
12:30 – 1:30 pm	Lunch
1:30 – 2:00 pm	Abdominal Ultrasound Faculty: Viyeka Sethi, M.D.
2:00 – 5:15 pm	Hands-On Stations - 30 minutes each station (Coffee break 3:30–3:45 pm.) Faculty: Yogen Singh, M.D.; Belinda Chan, M.D.; Lisa Mills, M.D.; Viyeka Sethi, M.D.; Kara Kuhn-Riordon, M.D. Parasternal Cardiac Apical / Subcostal Cardiac Lung Abdomen / eFAST ECHO Simulator Ultrasound-Guided Pericardiocentesis
5:15–5:30 pm	Feedback and Closure

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Friday, February 26, 2027

Day 2 - Hemodynamic and TnECHO Applications

9:00–9:15 am	Day 1 Recap and Day 2 Introduction Faculty: Yogen Singh, M.D.
9:15–9:45 am	Evaluating Hemodynamic Significance of Patent Ductus Arteriosus (PDA) Faculty: Rangasamy Ramanathan, M.D.
9:45–10:30 am	PDA Echo Assessment - Hands-On Using Echo Simulator Faculty: Mahmood Ebrahimi; Rangasamy Ramanathan; Yogen Singh; Belinda Chan
10:30–10:45 am	Coffee Break
10:45–11:15 am	Echocardiographic Evaluation of Pulmonary Hypertension (PH) Faculty: Yogen Singh, M.D.
11:15–11:45 am	Phenotype-Based Management of Acute Pulmonary Hypertension Faculty: Brian Goudy, M.D.
11:45 am–12:30 pm	PH Echo Evaluation - Hands-On Using Echo Simulator Faculty: Mahmood Ebrahimi; Rangasamy Ramanathan; Yogen Singh; Belinda Chan
12:30–1:30 pm	Lunch
1:30–2:00 pm	Physiology-Based Management of Shock Faculty: Belinda Chan, M.D.
2:00–2:45 pm	Shock Echo Assessment - Hands-On Using Echo Simulator Faculty: Mahmood Ebrahimi; Rangasamy Ramanathan; Yogen Singh; Belinda Chan
2:45–3:00 pm	Break
3:00–3:30 pm	Hemodynamic Evaluation and Management in Hypoxic Ischemic Encephalopathy Faculty: Yogen Singh, M.D.
3:30–4:00 pm	Recognition and Early Management of Critical Congenital Heart Disease in the NICU Faculty: Sherzana Sunderji, M.D.
4:00–4:45 pm	HIE Echo Assessment - Hands-On Using Echo Simulator
4:45–5:00 pm	Course Evaluation and Closing