

ECMO Boot Camp 2025

November 14-16, 2025

Atrium Health Sanger Heart & Vascular Institute Kenilworth

1237 Harding Pl #4200, Charlotte, NC 28204

AGENDA

Friday, November 14, 2025

07:45 - 08:00	Welcome
08:00 - 08:30	Circuit Components <i>Brandon D'Aloiso, MS,CCP</i>
08:30 - 09:00	Configurations & Cannulations <i>Raj Ramanan, MD</i>
09:00 - 09:45	ECMO Physiology <i>Raj Ramanan, MD</i>
09:45 - 10:00	Break
10:00 - 10:20	Respiratory Failure <i>Timothy Kaselitz, MD</i>
10:20 - 10:40	Patient Selection for VV ECMO <i>Raj Ramanan, MD</i>
10:40 - 11:00	Management of VV ECMO <i>Raj Ramanan, MD</i>
11:00 - 11:30	VV ECMO Case Vignettes <i>Raj Ramanan, MD</i>
11:30 - 12:30	Lunch
12:30 - 13:00	Circuit Complications <i>Brandon D'Aloiso, MS,CCP</i>
13:00 - 13:30	Patient Complications <i>Timothy Kaselitz, MD</i>
13:30 - 14:00	Cardiac Failure <i>Holt Murray, MD</i>
14:00 - 14:15	Break
14:15 - 14:45	Patient Selection for VA ECMO <i>Holt Murray, MD</i>
14:45 - 15:15	Management of VA ECMO <i>Timothy Kaselitz, MD</i>
15:15 - 15:45	VA ECMO Case Vignettes <i>Raj Ramanan, MD</i>
15:45	Adjournment

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AGENDA SIMULATION DAYS

All faculty will be involved in the hands-on simulation. Groups will be divided into two groups to maximize the impact of the education.

Saturday, November 15 OR Sunday, November 16

07:30 - 07:45	Introduction To Simulation
07:45 - 08:15	Puzzle Box
08:15 - 09:45	Cardiohelp Or Centrimag Knobology, Priming, Handcranking, Air Removal Techniques, Cmcuit Check
09:45 - 10:00	Break
10:00 - 10:15	VA Sim Consult
10:20 - 10:35	LV Distention Scenario
10:35 - 11:05	LV Distention DeBrief
11:05 - 11:20	Pump Failure Scenario
11:20 - 11:50	Pump Failure Debrief
11:50 - 11:55	Break
11:55 - 12:10	Gas Failure Scenario
12:10 - 12:40	Gas Failure Debrief
12:40 - 13:40	Lunch
13:40 - 13:55	VV Sim Consult
13:55 - 14:10	Drainage Insufficiency Scenario
14:10 - 14:40	Drainage Insufficiency Debrief
14:40 - 14:55	Membrane Lung Failure Scenario
14:55 - 15:15	Membrane Lung Failure Debrief
15:15 - 15:20	Break
15:20 - 15:35	Air Embolism Scenario
15:35 - 16:05	Air Embolism Debrief
16:05	Adjournment



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COURSE DIRECTORS

Douglas W. Haden, MD

Medical Director
Cardiovascular Critical Care NC/GA
Advocate Health

Stephen L. Rennyson, MD

Medical Director Cardiac Critical Care
Sanger Heart & Vascular Institute
Assistant Professor, Cardiovascular Medicine
Wake Forest University School of Medicine

Melinda J. Couper, BS, CCP, LP

Chief of Perfusion
Advocate Health

FACULTY

Brandon D'Aloiso, MS, CCP

Lead Perfusionist of Education,
UPMC, Pittsburgh, PA

Keri Hickman, CCP

Director of ECMO Management
UPMC, Pittsburgh, PA

Timothy Kaselitz, MD

Assistant Professor of Critical Care Medicine,
Department of Critical Care Medicine
UPMC, Pittsburgh, PA

Holt Murray, MD

Assistant Professor of Critical Care Medicine,
Department of Critical Care Medicine, Medical
Director, CTICU
UPMC, Pittsburgh, PA

Amber Palmer, CCP, EdD

Lead Perfusionist of Simulation,
UPMC, Pittsburgh, PA

Raj Ramanan, MD

Assistant Professor of Critical Care Medicine
Department of Critical Care Medicine
Medical Director, ECMO
Director, Procirca ECMO Education
UPMC, Pittsburgh, PA

For additional information and details, visit:
<https://www.southpiedmontahec.org/event/76966>

