At CAPE, we are driven by an unrelenting focus on improving human and system performance for the benefit of our patients.

Extracorporeal membrane oxygenation (ECMO) is a technique that provides both cardiac and respiratory support to patients whose heart and lungs are so severely diseased or damaged that they can no longer serve their function. Because it is often a therapy of last resort, opportunities to practice ECMO are few. ECMOSim provides physicians, nurses and allied healthcare professionals with a full-day opportunity to practice for those rare but potentially devastating ECMO complications that, if not managed correctly, can lead to death or severe morbidity in patients. A fully functional ECMO circuit including pump, oxygenator, tubing and mixed venous oxygen saturation monitor is primed with a blood substitute and connected to a patient simulator and patient monitor, allowing the realistic simulation of life-threatening emergencies involving both the circuit and the patient.
LEARNING OBJECTIVES

• Review the components of an ECMO circuit and how their function impacts the neonate
• Describe how to troubleshoot the ECMO circuit
• Discuss when and how to take an neonate off and back on the ECMO circuit safely in an emergency

AGENDA

8:00 - 9:00 am  Introduction and Briefing
                Overview of simulation code of conduct

9:01 - 11:00 am Simulation room and equipment familiarization
                Review of simulation room, patient simulators, equipment

11:01 - 12:00 pm Lunch

12:01 - 1:00 pm Scenarios with video debriefings

5:01 - 5:30 pm Evaluations, Adjourn

Stanford School of Medicine is fully ADA compliant. If you have needs that require special accommodations, including dietary concerns, please contact contactcape@stanford.edu.