

Course Director

Denise Suttner, MD
ECMO Director

Course Planner

George Sutherland, RRT
ECMO Coordinator

UC San Diego Faculty

Justin Yeh, MD
Marva Evans, MD
Brian Lane, MD

RCHSD Faculty

Elana Sterling, RN
Lutchi Abraham, RN
John Allardyce, CCP

Course Registration: \$400.00

No charge for RCHSD/UCSD employees

Name: _____

Address: _____

City/State/Zip: _____

Phone Number: _____

E-Mail Address: _____

Make checks payable to Rady Childrens Hospital San Diego.

In memo line please place Index: ECMO Course August 30,31 & September 1st.

Please mail registration to:

George Sutherland MBA, RRT-NPS
ECMO Coordinator
Rady Children's Hospital San Diego
3020 Children's Way, MC: 5142
San Diego, CA 92123
(858) 966-1700 ext 5653
gsutherland@rchsd.org

Accreditation: The University of California, San Diego School of Medicine is accredited by the Accreditation Council of Continuing Medical Education to provide continuing medical education for physicians

AMA Credit: The University of California, San Diego School of Medicine designates this Live Activity for a maximum of 19.5 AMA PRA Category 1 Credit(s)TM. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Cultural and Linguistic Competency: This activity is in compliance with the California Assembly Bill 1195 which requires continuing medical education activities with patient care components to include curriculum in the subjects of cultural and linguistic competency. Cultural competency is defined as a set of integrated attitudes, knowledge and skills that enables health care professionals or organizations to care effectively for patients from diverse cultures, groups and communities. Linguistic competency is defined as the ability of a physician or surgeon to provide patients who do not speak English or who have limited ability to speak English, direct communication in the patient's primary language. Cultural and linguistic competency was incorporated in the planning of this activity. Additional resources can be found on the [UC San Diego CME website](#).

It is the policy of the university of California, San Diego School of Medicine to ensure balance, independence, objectivity and scientific rigor. All persons involved in the selection, development and presentation of content are required to disclose and y real of apparent conflicts of interest. All conflicts of interest will be resolved prior to an education activity being delivered to learners through one of the following mechanisms 1) altering the financial relationship with the commercial interest, 2) altering the individual's control over CME content about the products or services of the commercial interest, and/or 3) validating the activity connect through independent peer review. All persons are also required to disclose any discussions of off label/unapproved uses of drugs or devices. Persons who refuse or fail to disclose will be disqualified from participating in the CME activity.



ECMO Clinical Specialist Training Course

August 30th, 31st & September 1st
2016

Rady Children's Hospital of San Diego

Cardiac Auditorium 3rd Floor



UC San Diego
SCHOOL OF MEDICINE



UC San Diego
SCHOOL OF MEDICINE

This activity is sponsored by the University of California, San Diego School of Medicine

Course Description:

The Extracorporeal Membrane Oxygenation (ECMO) Clinical Specialist Training Course reviews the history and application of ECMO including education on appropriate indications for use and the physiology and technical mechanical operations of ECMO services. Attendees will be presented with the ELSO statistics.

This course is intended to further physicians, registered nurses and respiratory therapists' education about ECMO utilizing the Extracorporeal Life Support Organization (ELSO) guidelines for care of pediatric and neonatal patients. The training course utilizes the ELSO publications "ECMO: Extracorporeal Cardiopulmonary Support in Critical Care" and "ECMO Specialist Training Manual" to develop the curriculum and presentations.

Objectives:

Upon completion of this course, participants should be able to:

1. Define and describe the theoretical and mechanical properties of ECMO.
2. Integrate and apply the concept of ECMO and its effects on Cardiac and Pulmonary Pathophysiology.
3. Define and Describe the Differences and Similarities of Veno Arterial vs Veno Venous Extracorporeal Membrane Oxygenation.
4. Discuss the pathophysiology of respiratory conditions and their sequelae, which interface with the patient's ability to maintain oxygenation.

Tuesday, August 30th

0800 – 0845	Candidates for ECMO Denise Suttner, MD
0845 – 0945	Venoarterial (VA) ECMO Physiology Denise Suttner, MD
0945 - 1000	Break
1000 - 1100	Venovenous (VV) ECMO Physiology Denise Suttner, MD
1100 – 1200	Patient Selection and Related Considerations – Pre-ECMO evaluation, selection criteria, contraindications, risks of ECMO, short and long term outcomes & registry data review Marva Evans, MD
1200 – 1300	Lunch
1300 – 1345	ECMO Components & Equipment Review Elana Starling, RN
1345—1445	Priming the ECMO Circuit Elana Starling
1445– 1500	Break
1500 – 1700	Pre-ECMO Details, Cannulation and Initiation of Bypass Marva Evans, MD

Wednesday, August 31st

0800 – 0915	ECMO Circuit Procedures Clinical Responsibilities of ECMO Team Members George Sutherland, RRT
0915 - 1015	Hemofiltration Brian Lane, MD
1015—1030	Break
1030 – 1130	Coagulation, Homeostasis and Blood Surface Interactions Denise Suttner, MD

1130-1230	Lunch
1230-1330	Cardiac ECMO Justin Yeh, MD
1330– 1500	Details of Clinical Management of VA & VV ECMO Marva Evans, MD
1500 – 1515	Break
1515 – 1700	Review of Sample Cases Denise Suttner, MD

Thursday, September 1st

0800 – 0900	Management of Potential Emergencies/Special Procedures on ECMO, VA Bypass vs VV Bypass
0900 – 1130	Emergency Management Procedures (water drills)
1130 – 1145	Break
1145 – 1315	Emergency Management Procedures (water drills)
1315– 1400	Lunch
1400 – 1415	Review & Summary
1415 – 1700	Post Test Administration