



**Harvard/MGH Short Term Mechanical Support Heart and Lung Symposium**  
**Friday October 18 and Saturday October 19, 2019**

**Friday Morning Session**

<b>Time</b>	<b>Activity</b>		<b>Presenter</b>
8:00 – 8:30	Registration and light breakfast		
8:30 - 8:40	Introduction and Welcome	Mauricio Villavicencio, MD	
8:40 - 9:10	Physiology of advanced respiratory failure	Kathryn Hibbert, MD	
9:10 - 9:40	Physiology of cardiogenic shock	Ivana Nikolic, M.D.	
9:40 – 10:10	Console, circuit, CVVH Connections	Jeliene Larocque, RRT	
10:10 – 10:25	Break		
10:25 – 10:50	ECMO Initiation: flows, vent setting, gases and sweep	Kenneth Shelton, MD	
10:50 – 11:15	ECMO: Selection criteria – Indication, contraindications, risk stratifying	Gaston Cudemus, MD	
11:15 – 11:40	Cannulation strategies / ECMO initiation- Respiratory failure	Nathalie Roy, MD	
11:40 – 12:10	Cannulation strategies / ECMO initiation- Cardiogenic shock	Mani Daneshmand, MD	
12:10 – 12:55	Lunch		
12:55 – 1:20	Video cannulation for ECMO: Veno-arterial, Veno-venous		
1:20	Animal Lab	Wet Lab	Sim Lab
4:30	Adjournment		

### Saturday Session

Time	Activity	Presenter
8:15 – 8:55	Percutaneous left and right heart support	Igor F. Palacios, M.D.
8:55 – 9:20	ECMO networking, out of hospital transport	Mani Daneshmand, MD
9:20 – 9:50	<u>PRO / CON Debate</u> ECMO versus impella for severe acute cardiogenic shock	Mani Daneshmand, MD versus David Dudzinski, M.D.
9:50 – 10:15	Pharmacokinetics on ECMO	Lauren Devine, Pharm D.
10:15 – 10:30	Break	
10:30 – 10:55	Nursing care of ECMO – wounds, mobilization, in-hospital transport, family support	Kathy Schultz, RN
10:55 – 11:20	ECMO in difficult settings (ECPR, Trauma, Sepsis, Pregnancy)	Nathalie Roy, MD
11:20 – 11:45	End of life	Emily Rubin, MD
11:45 – 12:30	Lunch	
12:30 – 1:00	Case presentation and Discussion	Phillip Spencer, MD Gaston Cudemus, MD, Mani Daneshmand, MD,
1:00 – 1:25	Anticoagulation –Sedation management	Gaston Cudemus, MD
1:25 – 1:50	Bridge to Bridge	David D’Alessandro, MD
1:50 – 2:15	Bridge to Transplant	Mauricio Villavicencio, MD
2:15 – 2:40	Bridge to Recovery	Masaki Funamoto
2:40 – 2:55	Break	
2:55 – 3:20	ECMO Complications	Mauricio Villavicencio, MD
3:20 – 3:50	Case presentation and discussion	Lucia Madariaga Mauricio Villavicencio, MD, Kenneth Shelton, MD, Nathalie Roy, MD
3:50 – 4:20	<u>PRO / CON Debate</u> Advanced ventilation management versus veno-venous ECMO	Katharine Black, M.D. Lorenzo Berra, MD
4:20 – 4:30	Final remarks, Course Evaluation, Closure	Mauricio Villavicencio, MD
4:30	Adjournment	