



ADULT ECMO FOR RESPIRATORY AND CIRCULATORY FAILURE INCLUDING SEPTIC SHOCK 2025

Monday Oct 13th				Tuesday Oct 14th				Wednesday Oct 15th				Thursday Oct 16th			
8.00 - 17.45				8.00 - 17.00				8.00 - 17.00				8.00 - 17.00			
Group 1	Group 2	Group 3	Group 4	Group 1	Group 2	Group 3	Group 4	Group 1	Group 2	Group 3	Group 4	Group 1	Group 2	Group 3	Group 4
Welcome - Introduction															
SIMULA- TION	LECTU- RES	WET-LAB	LECTU- RES	LECTU- RES	SIMULA- TION	LECTU- RES	WET-LAB	WET-LAB	LECTU- RES Patient cases	SIMULA- TION	LECTU- RES Patient cases	LECTU- RES Patient cases	WET-LAB	LECTU- RES Patient cases	SIMULA- TION
LUNCH				LUNCH				LUNCH				LUNCH			
SIMULA- TION	PC SIMU- LATION LECTU- RES	WET-LAB	PC SIMU- LATION LECTU- RES	PC SIMU- LATION LECTU- RES	SIMULA- TION	PC SIMU- LATION LECTU- RES	WET-LAB	WET-LAB	Patient cases	SIMULA- TION	Patient cases	Patient cases	WET-LAB	Patient cases	SIMULA- TION
				Evening: Dinner								Closure			

Group 1 Detailed schedule

Monday Oct 13th

8.00	- 8.15	Registration	
8.15	- 8.40	Welcome and introduction	Björn Frenckner, MD
9.00	- 10.00	Simulation	Lars Falk, MD Jacob Forestier, MD Jerker Westlund, RN Anna Lindberg, RN
10.00	- 10.30	<i>Coffee break</i>	
10.30	- 12.00	Simulation	
12.00	- 13.00	<i>LUNCH</i>	
13.00	- 15.00	Simulation	
15.00	- 15.30	<i>Coffee break</i>	
15.30	- 17.45	Simulation	

Group 1 Detailed schedule

Tuesday Oct 14th

8.00 - 8.15	History of ECMO, ELSO and Registry	Björn Frenckner, MD
8.20 - 8.35	Indications for ECMO	Pär Forsman, MD
8.40 - 8.55	Circuit - Pumps and oxygenators	Pär Forsman, MD
9.00 - 9.20	Cannulation for ECMO	Carl Montán, MD
9.25 - 10.00	v-v/v-a ECMO Physiology	Mikael Broman, MD
10.00 - 10.30	<i>Coffee break</i>	
10.30 - 10.55	Management of the ECMO patient	Mikael Broman, MD
11.00 - 11.20	CT scan on ECMO	Jan Svoboda, MD and Ann Tjärn, RN
11.25 - 11.45	The septic patient	Mikael Broman, MD
11.45 - 12.45	<i>LUNCH</i>	
12.45 - 14.20	Circulatory physiology - Theory and simulation	Michael Broomé, MD
14.25 - 14.40	CRRT and plasmapheresis on ECMO	Marcus Brynolf, MD
14.45 - 15.00	Organization of ECMO	Gemma Björndahl, RN and Henrik Bucht, RN
15.00 - 15.30	<i>Coffee break</i>	
15.30 - 15.55	Anticoagulation	Pär Forsman, MD
16.00 - 16.20	Bleeding problems on ECMO	Carl Montán, MD and Pär Forsman, MD
16.25 - 16.45	ECMO bedside care	Ann Tjärn, RN
16.45 - 17.00	General discussion	

Group 1 Detailed schedule

Wednesday Oct 15th

8.00 - 10.00	Wet lab training	Niklas Gustafsson, MD Mia Persson, RN
10.00 - 10.30	<i>Coffee break</i>	
10.30 - 12.00	Wet lab training	
12.00 - 13.00	<i>LUNCH</i>	
13.00 - 15.00	Wet lab training	
15.00 - 15.30	<i>Coffee break</i>	
15.30 - 17.00	Wet lab training	

Group 1 Detailed schedule

Thursday Oct 16th

8.00 - 8.25	Sedation and physiotherapy	Ivan Kohn, MD and Cecilia Lindström, PhT
8.30 - 8.50	Transport on ECMO	Anders Eriksson, MD
8.55 - 9.25	Common problems and mishaps	Anders Eriksson, MD, Björn Frenckner, MD
9.30 - 9.50	Weaning and cessation	Jonas Berner, MD
9.50 - 10.20	<i>Coffee break</i>	
10.20 - 10.35	Echocardiography on ECMO	Anders Eriksson, MD
10.40 - 10.55	Long term outcome	Jonas Berner, MD
11.00 - 12.00	Patient cases	Jonas Lindholm, MD Mikael Broman, MD Björn Frenckner, MD
12.00 - 13.00	<i>LUNCH</i>	
13.00 - 15.00	Patient cases	Jonas Lindholm, MD Mikael Broman, MD Björn Frenckner, MD
15.00 - 15.30	<i>Coffee break</i>	
15.30 - 16.30	Patient cases	Jonas Lindholm, MD Mikael Broman, MD Björn Frenckner, MD
16.30 - 17.00	Closing remarks	

Group 2 Detailed schedule

Monday Oct 13th

8.00 - 8.15	Registration	
8.15 - 8.40	Welcome and introduction	Björn Frenckner, MD
8.45 - 9.00	History of ECMO, ELSO and Registry	Björn Frenckner, MD
9.05 - 9.20	Indications for ECMO	Pär Forsman, MD
9.25 - 9.40	Circuit - Pumps and oxygenators	Pär Forsman, MD
9.45 - 10.05	Cannulation for ECMO	Carl Montán, MD
10.05 - 10.35	<i>Coffee break</i>	
10.35 - 11.10	v-v/v-a ECMO Physiology	Mikael Broman, MD
11.15 - 11.35	CT scan on ECMO	Jan Svoboda, MD and Ann Tjärn, RN
11.40 - 12.00	The septic patient	Mikael Broman, MD
12.00 - 13.00	<i>LUNCH</i>	
13.00 - 14.35	Circulatory physiology - Theory and simulation	Michael Broomé, MD
14.40 - 15.05	Management of the ECMO patient	Mikael Broman, MD
15.05 - 15.35	<i>Coffee break</i>	
15.35 - 15.50	CRRT and plasmapheresis on ECMO	Marcus Brynolf, MD
15.55 - 16.10	Organization of ECMO	Gemma Björndahl, RN and Henrik Bucht, RN
16.15 - 16.40	Anticoagulation	Pär Forsman, MD
16.45 - 17.05	Bleeding problems on ECMO	Carl Montán, MD and Pär Forsman, MD
17.10 - 17.30	ECMO bedside care	Ann Tjärn, RN
17.30 - 17.45	General discussion	

Group 2 Detailed schedule

Tuesday Oct 14th

8.00 - 10.00 Simulation

Lars Falk, MD
Jacob Forestier, MD
Jerker Westlund, RN
Anna Lindberg, RN

10.00 - 10.30 *Coffee break*

10.30 - 11.45 Simulation

11.45 - 12.45 *LUNCH*

12.45 - 15.00 Simulation

15.00 - 15.30 *Coffee break*

15.30 - 17.00 Simulation

Group 2 Detailed schedule

Wednesday Oct 15th

8.00 - 8.25	Sedation and physiotherapy	Ivan Kohn, MD and Cecilia Lindström, PhT
8.30 - 8.50	Transport on ECMO	Anders Eriksson, MD
8.55 - 9.25	Common problems and mishaps	Anders Eriksson, MD, Björn Frenckner, MD
9.30 - 9.50	Weaning and cessation	Jonas Berner, MD
9.50 - 10.20	<i>Coffee break</i>	
10.20 - 10.35	Echocardiography on ECMO	Anders Eriksson, MD
10.40 - 10.55	Long term outcome	Jonas Berner, MD
10.50 - 12.00	Patient cases	Jonas Lindholm, MD Mikael Broman, MD Björn Frenckner, MD
12.00 - 13.00	<i>LUNCH</i>	
13.00 - 15.00	Patient cases	Jonas Lindholm, MD Mikael Broman, MD Björn Frenckner, MD
15.00 - 15.30	<i>Coffee break</i>	
15.30 - 17.00	Patient cases	Jonas Lindholm, MD Mikael Broman, MD Björn Frenckner, MD

Group 2 Detailed schedule

Thursday Oct 16th

8.00 - 10.00	Wet lab training	Niklas Gustafsson, MD Mia Persson, RN
10.00 - 10.30	<i>Coffee break</i>	
10.30 - 12.00	Wet lab training	
12.00 - 13.00	<i>LUNCH</i>	
13.00 - 15.00	Wet lab training	
15.00 - 15.30	<i>Coffee break</i>	
15.30 - 16.30	Wet lab training	
16.30 - 17.00	Closing remarks	

Group 3 Detailed schedule

Monday Oct 13th

8.00 - 8.15	Registration	
8.15 - 8.40	Welcome and introduction	Björn Frenckner, MD
9.00 - 10.00	Wet lab training	Niklas Gustafsson, MD Mia Persson, RN
10.00 - 10.30	<i>Coffee break</i>	
10.30 - 11.55	Wet lab training	
12.00 - 13.00	<i>LUNCH</i>	
13.00 - 15.00	Wet lab training	
15.00 - 15.30	<i>Coffee break</i>	
15.30 - 17.45	Wet lab training	

Group 3 Detailed schedule

Tuesday Oct 14th

8.00 - 8.15	History of ECMO, ELSO and Registry	Björn Frenckner, MD
8.20 - 8.35	Indications for ECMO	Pär Forsman, MD
8.40 - 8.55	Circuit - Pumps and oxygenators	Pär Forsman, MD
9.00 - 9.20	Cannulation for ECMO	Carl Montán, MD
9.25 - 10.00	v-v/v-a ECMO Physiology	Mikael Broman, MD
10.00 - 10.30	<i>Coffee break</i>	
10.30 - 10.55	Management of the ECMO patient	Mikael Broman, MD
11.00 - 11.20	CT scan on ECMO	Jan Svoboda, MD and Ann Tjärn, RN
11.25 - 11.45	The septic patient	Mikael Broman, MD
11.45 - 12.45	LUNCH	
12.45 - 14.20	Circulatory physiology - Theory and simulation	Michael Broomé, MD
14.25 - 14.40	CRRT and plasmapheresis on ECMO	Marcus Brynolf, MD
14.45 - 15.00	Organization of ECMO	Gemma Björndahl, RN and Henrik Bucht, RN
15.00 - 15.30	<i>Coffee break</i>	
15.30 - 15.55	Anticoagulation	Pär Forsman, MD
16.00 - 16.20	Bleeding problems on ECMO	Carl Montán, MD and Pär Forsman, MD
16.25 - 16.45	ECMO bedside care	Ann Tjärn, RN
16.45 - 17.00	General discussion	

Group 3 Detailed schedule

Wednesday Oct 15th

8.00 - 10.00 Simulation

Lars Falk, MD
Jacob Forestier, MD
Jerker Westlund, RN
Anna Lindberg, RN

10.00 - 10.30 *Coffee break*

10.30 - 12.00 Simulation

12.00 - 13.00 *LUNCH*

13.00 - 15.00 Simulation

15.00 - 15.30 *Coffee break*

15.30 - 17.00 Simulation

Group 3 Detailed schedule

Thursday Oct 16th

8.00 - 8.25	Sedation and physiotherapy	Ivan Kohn, MD and Cecilia Lindström, PhT
8.30 - 8.50	Transport on ECMO	Anders Eriksson, MD
8.55 - 9.25	Common problems and mishaps	Anders Eriksson, MD, Björn Frenckner, MD
9.30 - 9.50	Weaning and cessation	Jonas Berner, MD
9.50 - 10.20	<i>Coffee break</i>	
10.20 - 10.35	Echocardiography on ECMO	Anders Eriksson, MD
10.40 - 10.55	Long term outcome	Jonas Berner, MD
11.00 - 12.00	Patient cases	Jonas Lindholm, MD Mikael Broman, MD Björn Frenckner, MD
12.00 - 13.00	<i>LUNCH</i>	
13.00 - 15.00	Patient cases	Jonas Lindholm, MD Mikael Broman, MD Björn Frenckner, MD
15.00 - 15.30	<i>Coffee break</i>	
15.30 - 16.30	Patient cases	Jonas Lindholm, MD Mikael Broman, MD Björn Frenckner, MD
16.30 - 17.00	Closing remarks	

Group 4 Detailed schedule

Monday Oct 13th

8.00 - 8.15	Registration	
8.15 - 8.40	Welcome and introduction	Björn Frenckner, MD
8.45 - 9.00	History of ECMO, ELSO and Registry	Björn Frenckner, MD
9.05 - 9.20	Indications for ECMO	Pär Forsman, MD
9.25 - 9.40	Circuit - Pumps and oxygenators	Pär Forsman, MD
9.45 - 10.05	Cannulation for ECMO	Carl Montán, MD
10.05 - 10.35	<i>Coffee break</i>	
10.35 - 11.10	v-v/v-a ECMO Physiology	Mikael Broman, MD
11.15 - 11.35	CT scan on ECMO	Jan Svoboda, MD and Ann Tjärn, RN
11.40 - 12.00	The septic patient	Mikael Broman, MD
12.00 - 13.00	<i>LUNCH</i>	
13.00 - 14.35	Circulatory physiology - Theory and simulation	Michael Broomé, MD
14.40 - 15.05	Management of the ECMO patient	Mikael Broman, MD
15.05 - 15.35	<i>Coffee break</i>	
15.35 - 15.50	CRRT and plasmapheresis on ECMO	Marcus Brynolf, MD
15.55 - 16.10	Organization of ECMO	Gemma Björndahl, RN and Henrik Bucht, RN
16.15 - 16.40	Anticoagulation	Pär Forsman, MD
16.45 - 17.05	Bleeding problems on ECMO	Carl Montán, MD and Pär Forsman, MD
17.10 - 17.30	ECMO bedside care	Ann Tjärn, RN
17.30 - 17.45	General discussion	

Group 4

Detailed schedule

Tuesday Oct 14th

8.00 - 10.00	Wet lab training	Niklas Gustafsson, MD Mia Persson, RN
10.00 - 10.30	<i>Coffee break</i>	
10.30 - 11.45	Wet lab training	
11.45 - 12.45	<i>LUNCH</i>	
12.45 - 14.55	Wet lab training	
15.00 - 15.30	<i>Coffee break</i>	
15.20 - 17.00	Wet lab training	

Group 4 Detailed schedule

Wednesday Oct 15th

8.00 - 8.25	Sedation and physiotherapy	Ivan Kohn, MD and Cecilia Lindström, PhT
8.30 - 8.50	Transport on ECMO	Anders Eriksson, MD
8.55 - 9.25	Common problems and mishaps	Anders Eriksson, MD, Björn Frenckner, MD
9.30 - 9.50	Weaning and cessation	Jonas Berner, MD
9.50 - 10.20	<i>Coffee break</i>	
10.20 - 10.35	Echocardiography on ECMO	Anders Eriksson, MD
10.40 - 10.55	Long term outcome	Jonas Berner, MD
10.50 - 12.00	Patient cases	Jonas Lindholm, MD Mikael Broman, MD Björn Frenckner, MD
12.00 - 13.00	<i>LUNCH</i>	
13.00 - 15.00	Patient cases	Jonas Lindholm, MD Mikael Broman, MD Björn Frenckner, MD
15.00 - 15.30	<i>Coffee break</i>	
15.30 - 17.00	Patient cases	Jonas Lindholm, MD Mikael Broman, MD Björn Frenckner, MD

Group 4 Detailed schedule

Thursday Oct 16th

8.00 - 10.00	Simulation	Lars Falk, MD Jacob Forestier, MD Jerker Westlund, RN Anna Lindberg, RN
10.00 - 10.30	<i>Coffee break</i>	
10.30 - 12.00	Simulation	
12.00 - 13.00	<i>LUNCH</i>	
13.00 - 15.00	Simulation	
15.00 - 15.30	<i>Coffee break</i>	
15.30 - 16.30	Simulation	
16.30 - 17.00	Closing remarks	

Faculty

Björn Frenckner	MD PhD	ECMO Center Karolinska University Hospital, Karolinska Institutet, Stockholm
Jonas Berner	MD PhD	ECMO Center Karolinska University Hospital, Karolinska Institutet, Stockholm
Jonas Lindholm	MD	ECMO Center Karolinska University Hospital, Karolinska Institutet, Stockholm
Pär Forsman	MD	ECMO Center Karolinska University Hospital, Karolinska Institutet, Stockholm
Mikael Broman	MD PhD	ECMO Center Karolinska University Hospital, Karolinska Institutet, Stockholm
Lars Falk	MD PhD	ECMO Center Karolinska University Hospital, Karolinska Institutet, Stockholm
Jan Svoboda	MD	Pediatric Radiology, Karolinska University Hospital, Karolinska Institutet, Stockholm
Ann Tjärn	RN	ECMO Center Karolinska University Hospital, Karolinska Institutet, Stockholm
Michael Broomé	MD PhD	ECMO Center Karolinska University Hospital, Karolinska Institutet, Stockholm
Niklas Gustafsson	MD	ECMO Center Karolinska University Hospital, Karolinska Institutet, Stockholm
Mia Persson	RN	ECMO Center Karolinska University Hospital, Karolinska Institutet, Stockholm
Jerker Westlund	RN	ECMO Center Karolinska University Hospital, Karolinska Institutet, Stockholm
Anna Lindberg	RN	ECMO Center Karolinska University Hospital, Karolinska Institutet, Stockholm
Marcus Brynolf	MD	ECMO Center Karolinska University Hospital, Karolinska Institutet, Stockholm
Henrik Bucht	RN	ECMO Center Karolinska University Hospital, Karolinska Institutet, Stockholm
Gemma Björndahl	RN	ECMO Center Karolinska University Hospital, Karolinska Institutet, Stockholm
Anders Eriksson	MD	ECMO Center Karolinska University Hospital, Karolinska Institutet, Stockholm
Jacob Forestier	MD	ECMO Center Karolinska University Hospital, Karolinska Institutet, Stockholm
Ivan Kohn	MD	ECMO Center Karolinska University Hospital, Karolinska Institutet, Stockholm
Cecilia Lindström	PhT	ECMO Center Karolinska University Hospital, Karolinska Institutet, Stockholm
Carl Montán	MD PhD	Vascular Surgery, Karolinska University Hospital, Karolinska Institutet, Stockholm