Neonatal and Pediatric ECMO for Respiratory and Circulatory failure 2026

Monday Nov 16th			
8.00 - 17.00			
Group 1	**Group 2**	**Group 3**	**Group 4**
Welcome - Introduction			
SIMULA-TION	LECTU-RES	WET-LAB	LECTU-RES
LUNCH			
SIMULA-TION	LECTU-RES	WET-LAB	LECTU-RES

Tuesday Nov 17th			
8.00 - 17.00			
Group 1	**Group 2**	**Group 3**	**Group 4**
LECTU-RES	SIMULA-TION	LECTU-RES	WET-LAB
LUNCH			
LECTURE			
LECTU-RES	SIMULA-TION	LECTU-RES	WET-LAB

Wednesday Nov 18th			
8.00 - 17.00			
Group 1	**Group 2**	**Group 3**	**Group 4**
WET-LAB	LECTU-RES	SIMULA-TION	LECTU-RES
LUNCH			
WET-LAB	Patient cases	SIMULA-TION	Patient cases

Thursday Nov 19th			
8.00 - 17.00			
Group 1	**Group 2**	**Group 3**	**Group 4**
LECTU-RES	WET-LAB	LECTU-RES	SIMULA-TION
LUNCH			
Patient cases	WET-LAB	Patient cases	SIMULA-TION
Closure			

Evening: Dinner

Group 1 **Detailed schedule**

Monday Nov 16th

8.00 - 8.15	Registration	
8.15 - 8.40	Welcome and introduction	Jonas Berner, MD
9.00 - 10.00	Simulation	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 1 **Detailed schedule**

Tuesday Nov 17th

8.00 - 8.15	History of ECMO	Björn Frenckner, MD
8.20 - 8.40	The ECMO circuit	Julia Tejero Aranguren, MD
8.45 - 9.05	Cannulation for ECMO	Carmen Mesas Burgos, MD
9.10 - 9.50	ECMO physiology	Mikael Broman, MD
9.50 - 10.20	*Coffee break*	
10.20 - 10.40	Neonatal and pediatric respiratory indications	Pär Forsman, MD
10.45 - 11.15	Management of the ECMO patient	Mikael Broman, MD
11.20 - 11.40	Congenital diaphragmatic hernia	Carmen Mesas Burgos, MD
11.45 - 12.00	ECPR	Karin Frisell, MD
12.00 - 13.00	*LUNCH*	
13.00 - 14.00	ECMO for cardiac indications	Kiet Tran, MD
14.05 - 14.35	Common problems and complications	Anders Eriksson, MD
14.40 - 15.10	Anticoagulation and bleeding	Pär Forsman, MD
15.10 - 15.40	*Coffee break*	
15.45 - 16.00	CRRT on ECMO	Mikael Broman, MD
16.05 - 16.35	Mobile ECMO	Mikael Broman, MD
16.40 - 16.55	Organization of ECMO	Gemma Björndahl, RN and Henrik Bucht, RN
16.55 - 17.00	General discussion	

Group 1 **Detailed schedule**

Wednesday Nov 18th

8.00	-	10.00	Wet lab training	Niklas Adrian, MD Mia Persson, RN
10.00	-	10.30	*Coffee break*	
10.30	-	12.00	Wet lab training	
12.00	-	13.00	*LUNCH*	
13.00	-	15.00	Wet lab training	
15.00	-	15.30	*Coffee break*	
15.30	-	17.00	Wet lab training	

Group 1 **Detailed schedule**

Thursday Nov 19th

8.00 - 8.20	Sedation and physiotherapy	Jonas Berner, MD and Cecilia Lindström, PhT
8.25 - 8.45	Bedside ECMO care	Angelica Lundkvist, RN
8.50 - 9.20	Echocardiography in ECMO	Peter Elfström, MD and Anders Eriksson, MD
9.25 - 9.45	Weaning and cessation	Julia Tejero Aranguren, MD
9.50 - 10.10	CT and ECMO	Jan Svoboda, MD and Angelica Lundkvist, RN
10.10 - 10.40	*Coffee break*	
10.40 - 11.10	Results - short and long term	Jonas Berner, MD
11.15 - 12.00	Patient cases	Jonas Lindholm, MD Julia Tejero Aranguren, MD
12.00 - 13.00	*LUNCH*	
13.00 - 15.00	Patient cases	Jonas Lindholm, MD Julia Tejero Aranguren, MD
15.00 - 15.30	*Coffee break*	
15.30 - 16.30	Patient cases	Jonas Lindholm, MD Julia Tejero Aranguren, MD
16.30 - 17.00	Closing remarks	

Group 2 **Detailed schedule**

Monday Nov 16th

8.00 - 8.15	Registration	
8.15 - 8.40	Welcome and introduction	Jonas Berner, MD
8.45 - 9.00	History of ECMO	Björn Frenckner, MD
9.05 - 9.25	The ECMO circuit	Julia Tejero Aranguren, MD
9.30 - 9.50	Cannulation for ECMO	Carmen Mesas Burgos, MD
9.50 - 10.20	*Coffee break*	
10.20 - 11.00	ECMO physiology	Mikael Broman, MD
11.05 - 11.25	Neonatal and pediatric respiratory indications	Pär Forsman, MD
11.30 - 12.00	Management of the ECMO patient	Mikael Broman, MD
12.00 - 13.00	*LUNCH*	
13.00 - 13.20	Congenital diaphragmatic hernia	Carmen Mesas Burgos, MD
13.25 - 13.40	ECPR	Karin Frisell, MD
13.45 - 14.15	Common problems and complications	Anders Eriksson, MD
14.20 - 14.50	Anticoagulation and bleeding	Pär Forsman, MD
14.50 - 15.20	*Coffee break*	
15.20 - 15.35	CRRT on ECMO	Mikael Broman, MD
15.40 - 16.10	Mobile ECMO	Mikael Broman, MD
16.15 - 16.30	Organization of ECMO	Gemma Björndahl, RN and Henrik Bucht, RN
16.30 - 17.00	General discussion	

Group 2 **Detailed schedule**

Tuesday Nov 17th

8.00 - 10.00	Simulation	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 - 14.00	ECMO for cardiac indications	Kiet Tran, MD
14.05 - 15.00	Simulation	
15.00 - 15.30	*Coffee break*	
15.30 - 17.00	Simulation	

Group 2 **Detailed schedule**

Wednesday Nov 18th

8.00 - 8.20	Sedation and physiotherapy	Jonas Berner, MD and Cecilia Lindström, PhT
8.25 - 8.45	Bedside ECMO care	Angelica Lundkvist, RN
8.50 - 9.20	Echocardiography in ECMO	Peter Elfström, MD and Anders Eriksson, MD
9.25 - 9.45	Weaning and cessation	Julia Tejero Aranguren, MD
9.50 - 10.10	CT and ECMO	Jan Svoboda, MD and Angelica Lundkvist, RN
10.10 - 10.40	*Coffee break*	
10.40 - 11.10	Results - short and long term	Jonas Berner, MD
11.15 - 12.00	Patient cases	Jonas Lindholm, MD Julia Tejero Aranguren, MD Mikael Broman, MD
12.00 - 13.00	*LUNCH*	
13.00 - 15.00	Patient cases	Jonas Lindholm, MD Julia Tejero Aranguren, MD Mikael Broman, MD
15.00 - 15.30	*Coffee break*	
15.30 - 17.00	Patient cases	Jonas Lindholm, MD Julia Tejero Aranguren, MD Mikael Broman, MD

Group 2 **Detailed schedule**

Thursday Nov 19th

8.00	- 10.00	Wet lab training	Niklas Adrian, MD Mia Persson, RN
10.00	- 10.30	*Coffee break*	
10.30	- 12.00	Wet lab training	
12.00	- 13.00	*LUNCH*	
13.00	- 15.00	Wet lab training	
15.00	- 15.30	*Coffee break*	
15.30	- 16.30	Wet lab training	
16.30	- 17.00	Closing remarks	

Group 3 **Detailed schedule**

Monday Nov 16th

8.00 - 8.15	Registration	
8.15 - 8.40	Welcome and introduction	Jonas Berner, MD
9.00 - 10.00	Wet lab training	Niklas Adrian, MD Mia Persson, RN
10.00 - 10.30	*Coffee break*	
10.30 - 12.00	Wet lab training	
12.00 - 13.00	*LUNCH*	
13.00 - 15.00	Wet lab training	
15.00 - 15.30	*Coffee break*	
15.30 - 17.00	Wet lab training	

Group 3 **Detailed schedule**

Tuesday Nov 17th

8.00	- 8.15	History of ECMO	Björn Frenckner, MD
8.20	- 8.40	The ECMO circuit	Julia Tejero Aranguren, MD
8.45	- 9.05	Cannulation for ECMO	Carmen Mesas Burgos, MD
9.10	- 9.50	ECMO physiology	Mikael Broman, MD
9.50	- 10.20	*Coffee break*	
10.20	- 10.40	Neonatal and pediatric respiratory indications	Pär Forsman, MD
10.45	- 11.15	Management of the ECMO patient	Mikael Broman, MD
11.20	- 11.40	Congenital diaphragmatic hernia	Carmen Mesas Burgos, MD
11.45	- 12.00	ECPR	Karin Frisell, MD
12.00	- 13.00	*LUNCH*	
13.00	- 14.00	ECMO for cardiac indications	Kiet Tran, MD
14.05	- 14.35	Common problems and complications	Anders Eriksson, MD
14.40	- 15.10	Anticoagulation and bleeding	Pär Forsman, MD
15.10	- 15.40	*Coffee break*	
15.45	- 16.00	CRRT on ECMO	Mikael Broman, MD
16.05	- 16.35	Mobile ECMO	Mikael Broman, MD
16.40	- 16.55	Organization of ECMO	Gemma Björndahl, RN and Henrik Bucht, RN
16.55	- 17.00	General discussion	

Group 3 **Detailed schedule**

Wednesday Nov 18th

8.00	- 10.00	Simulation	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 Nov 19th

8.00 - 8.20	Sedation and physiotherapy	Jonas Berner, MD and Cecilia Lindström, PhT
8.25 - 8.45	Bedside ECMO care	Angelica Lundkvist, RN
8.50 - 9.20	Echocardiography in ECMO	Peter Elfström, MD and Anders Eriksson, MD
9.25 - 9.45	Weaning and cessation	Julia Tejero Aranguren, MD
9.50 - 10.10	CT and ECMO	Jan Svoboda, MD and Angelica Lundkvist, RN
10.10 - 10.40	*Coffee break*	
10.40 - 11.10	Results - short and long term	Jonas Berner, MD
11.15 - 12.00	Patient cases	Jonas Lindholm, MD Julia Tejero Aranguren, MD
12.00 - 13.00	*LUNCH*	
13.00 - 15.00	Patient cases	Jonas Lindholm, MD Julia Tejero Aranguren, MD
15.00 - 15.30	*Coffee break*	
15.30 - 16.30	Patient cases	Jonas Lindholm, MD Julia Tejero Aranguren, MD
16.30 - 17.00	Closing remarks	

Group 4 **Detailed schedule**

Monday Nov 16th

8.00 - 8.15	Registration	
8.15 - 8.40	Welcome and introduction	Jonas Berner, MD
8.45 - 9.00	History of ECMO	Björn Frenckner, MD
9.05 - 9.25	The ECMO circuit	Julia Tejero Aranguren, MD
9.30 - 9.50	Cannulation for ECMO	Carmen Mesas Burgos, MD
9.50 - 10.20	*Coffee break*	
10.20 - 11.00	ECMO physiology	Mikael Broman, MD
11.05 - 11.25	Neonatal and pediatric respiratory indications	Pär Forsman, MD
11.30 - 12.00	Management of the ECMO patient	Mikael Broman, MD
12.00 - 13.00	*LUNCH*	
13.00 - 13.20	Congenital diaphragmatic hernia	Carmen Mesas Burgos, MD
13.25 - 13.40	ECPR	Karin Frisell, MD
13.45 - 14.15	Common problems and complications	Anders Eriksson, MD
14.20 - 14.50	Anticoagulation and bleeding	Pär Forsman, MD
14.50 - 15.20	*Coffee break*	
15.20 - 15.35	CRRT on ECMO	Mikael Broman, MD
15.40 - 16.10	Mobile ECMO	Mikael Broman, MD
16.15 - 16.30	Organization of ECMO	Gemma Björndahl, RN and Henrik Bucht, RN
16.30 - 17.00	General discussion	

Group 4 **Detailed schedule**

Tuesday Nov 17th

8.00 - 10.00	Wet lab training	Niklas Adrian, MD Mia Persson, RN
10.00 - 10.30	*Coffee break*	
10.30 - 12.00	Wet lab training	
12.00 - 13.00	*LUNCH*	
13.00 - 14.00	ECMO for cardiac indications	Kiet Tran, MD
14.05 - 15.00	Wet lab training	
15.00 - 15.30	*Coffee break*	
15.30 - 17.00	Wet lab training	

Group 4 **Detailed schedule**

Wednesday Nov 18th

8.00 - 8.20	Sedation and physiotherapy	Jonas Berner, MD and Cecilia Lindström, PhT
8.25 - 8.45	Bedside ECMO care	Angelica Lundkvist, RN
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9.50 - 10.10	CT and ECMO	Jan Svoboda, MD and Angelica Lundkvist, RN
10.10 - 10.40	*Coffee break*	
10.40 - 11.10	Results - short and long term	Jonas Berner, MD
11.15 - 12.00	Patient cases	Jonas Lindholm, MD Julia Tejero Aranguren, MD Mikael Broman, MD
12.00 - 13.00	*LUNCH*	
13.00 - 15.00	Patient cases	Jonas Lindholm, MD Julia Tejero Aranguren, MD Mikael Broman, MD
15.00 - 15.30	*Coffee break*	
15.30 - 17.00	Patient cases	Jonas Lindholm, MD Julia Tejero Aranguren, MD Mikael Broman, MD

Group 4 **Detailed schedule**

Thursday Nov 19th

8.00	- 10.00	Simulation	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	- 16.30	Simulation	
16.30	- 17.00	Closing remarks	

Faculty

Jonas Berner	MD PhD	ECMO Center Karolinska, Karolinska University Hospital, Stockholm
Julia Tejero Aranguren	MD PhD	ECMO Center Karolinska, Karolinska University Hospital, Stockholm
Björn Frenckner	MD PhD	ECMO Center Karolinska, Karolinska University Hospital, Stockholm
Jonas Lindholm	MD	ECMO Center Karolinska, Karolinska University Hospital, Stockholm
Pär Forsman	MD	ECMO Center Karolinska, Karolinska University Hospital, Stockholm
Mikael Broman	MD PhD	ECMO Center Karolinska, Karolinska University Hospital, Stockholm
Kiet Tran	MD PhD	Children's Heart Center, Skåne University Hospital, Lund
Jan Svoboda	MD	Pediatric Radiology, Karolinska University Hospital, Stockholm
Angelica Lundkvist	RN	ECMO Center Karolinska, Karolinska University Hospital, Stockholm
Peter Elfström	MD	Pediatric Cardiology, Karolinska University Hospital, Stockholm
Niklas Adrian	MD	ECMO Center Karolinska, Karolinska University Hospital, Stockholm
Mia Persson	RN	ECMO Center Karolinska, Karolinska University Hospital, Stockholm
Jerker Westlund	RN	ECMO Center Karolinska, Karolinska University Hospital, Stockholm
Anna Lindberg	RN	ECMO Center Karolinska, Karolinska University Hospital, Stockholm
Stefan Lundmark	RN	ECMO Center Karolinska, Karolinska University Hospital, Stockholm
Henrik Bucht	RN	ECMO Center Karolinska, Karolinska University Hospital, Stockholm
Gemma Björndahl	RN	ECMO Center Karolinska, Karolinska University Hospital, Stockholm
Anders Eriksson	MD	ECMO Center Karolinska, Karolinska University Hospital, Stockholm
Jacob Forestier	MD	ECMO Center Karolinska, Karolinska University Hospital, Stockholm
Cecilia Lindström	PhT	ECMO Center Karolinska, Karolinska University Hospital, Stockholm
Karin Frisell	MD	ECMO Center Karolinska, Karolinska University Hospital, Stockholm
Carmen Mesas Burgos	MD PhD	ECMO Center Karolinska, Karolinska University Hospital, Stockholm