

**Wednesday 25 March (per March 19)**

<b>11.30-12.40</b>	<b>Lunch</b>	<i>// with reservation for later adjustments //</i>	
<b>12.40-12.45</b>	<b>Welcome and housekeeping</b>		<b>L Mikael Broman, Stockholm</b>
<b>12.45-13.00</b>	<b>Introduction, aims and intentions</b>		<b>Lars Falk, Stockholm</b>
<b>13.00-14.40</b>	<b>High-fidelity simulation for ECLS</b>		
	<u>Moderators: L Falk, M Maybauer, J Forestier</u>		
1300-1320	Harvi ECMO simulator		Marc Dickstein, New York
1320-1340	Aplysia		Michael Broomé, Stockholm
1340-1400	How to pave the way for effective learning using hi-fidelity simulations		Jerker Westlund, Stockholm
1400-1420	A Simulation-Based Learning Pathway – Progressing Toward High-Fidelity ECPR Simulation with CARL SAM		Harlinde Peperstraete, Ghent Beth Vandenbroucke, Ghent
1420-1440	The Simulation Company		Sagar Haval, Leicester/London
<b>14.40-14.50</b>	<i>Leg stretch, Industry exhibition and networking</i>		
<b>14.50-17.20</b>	<b>Old, current, and future monitoring in ECLS</b>		
	<u>Moderators: LM Broman, M Brewer, P Pokorna</u>		
1450-1510	Cardiovascular and respiratory monitoring in ECMO		Mirko Belliato, Pavia
1510-1530	PAC during ECLS - how hard can it be?		Andy Batchinsky
1530-1550	Capnodynamics - effective pulmonary blood flow?		Jacob Karlsson, Stockholm
<b>15.50-16.15</b>	<i>Coffee brake, Industry exhibition and networking</i>		
1615-1635	POC analysis of biochemistry: chemiluminescence		Waander van Heerde, Nijmegen
1635-1655	Monitoring changes in SvO2 using pulse plethysmography		Erik Näslund, Gävle
1655-1715	What to measure when I cannot measure?		Bruno Neves, Leicester
1715-1720	Summary		Lars Mikael Broman, Stockholm
<b>19.30-</b>	<b>Dinner</b>	<b>Keynote speaker, Palle Palmér: ECMO - a historic odyssey</b>	

**Thursday 26 March**

<b>08.00-10.00</b>	<b>Controversial subject – Septic shock</b>		
	<u>Moderators: J Berner, A Batchinsky, M Zoetewei</u>		
0800-0820	Central cannulation in pediatric septic shock; rational, outcomes		Graeme MacLaren, Singapore
0820-0840	Peripheral cannulation in pediatric septic shock; rational, outcomes		Matteo Di Nardo, Rome
0840-0900	The bedside aspects during septic <i>meltdown</i>		Anna Lindberg, Stockholm
<b>0900-0905</b>	<i>Leg stretch, Industry exhibition and networking</i>		
0905-0925	Cardiogenic septic shock in adults		Nicolas Bréchet, Paris
0925-0945	Distributive septic shock in adults		L Mikael Broman, Stockholm
0945-1000	Discussion		
<b>1000-1025</b>	<i>Coffee brake, Industry exhibition and networking</i>		
<b>10.25-12.00</b>	<b>Parallel supportive technologies for septic shock</b>		
	<u>Moderators: L Falk, N Bréchet, G MacLaren</u>		
1025-1045	Cytosorbers in sepsis - the good and bad		Mirko Belliato, Pavia
1045-1105	Therapeutic plasma exchange in sepsis - good and bad		Marcus Brynolf, Stockholm
1105-1125	CRRT/CKRT for kidney and liver failure in ECLS - current opinion on methods and dosage		Miklós Lipcsey, Uppsala
1125-1145	Antithrombin in sepsis and anticoagulation		Heiko Herwald, Lund
1145-1200	Discussion		
<b>12.00-13.00</b>	<b>Lunch</b>		

<b>13.00-15.00</b>		<b>The Circuitry - coagulation and anticoagulation</b>	
<u>Moderators: H Herwald, W van Heerde, A Lindberg</u>			
1300-1320	Interference between circuitry(ies) and antibiotics	Pavla Pokorna, Stockholm/Prague	
1320-1340	Hemolysis - secondary effects and impact on outcome	Graeme MacLaren, Singapore	
1340-1400	POC management of hemolysis and anticoagulation	Ann Tjärn, Stockholm	
<b>1400-1415</b>		<i>Leg stretch, Industry exhibition and networking</i>	
1415-1435	The facts: heparin vs. direct thrombin inhibitors	Matteo Di Nardo, Rome	
1435-1450	No bleeding control despite the surgeon - what to do?	Michael Brewer, Oklahoma City	
1450-1500	Discussion		
<b>1500-1530</b>		<i>Coffee brake, Industry exhibition and networking</i>	
<b>15.30-17.00</b>		<b>Interactive Case discussions</b>	
<u>Moderators: J Berner, A Tjärn</u>			
<u>Panel: B Neves, S Akram, J Westlund, M Di Nardo,</u>			
	Case 1 - Pediatric respiratory	Mireille Zoetewej, Rotterdam	
	Case2 - Adult cardiac	Marc Maybauer, Gainesville	
	(Case 3)	Stockholm /spare case; Anna Lindberg, Pär Forsman	
<b>EXTRA!</b>	<b>EXTRA!</b>	<u>Discussion/also via Teams link:</u> <b>1705-1745 Is it time for a European ECLS registry? Currently the ELSO Registry breaches against the EU GDPR and new EHDS</b>	Lars Falk, Stockholm Mirko Belliato, EuroELSO LM Broman, Stockholm
<b>19.30-</b>	Dinner		

<b>Friday 27 March</b>			
<b>Cardiac ECLS</b>			
<b>08.00-09.45</b>		<b>Clinical aspects</b>	
<u>Moderators: A Lindberg, M Maybauer, G MacLaren</u>			
0800-0815	Cannulation: central for ECLS in pediatric and adult patients	Robero Lorusso, Maastricht	
0815-0835	Cannula focus: Bedside management of central, peripheral and combined cannulation	Mireille Zoetewej, Rotterdam	
0835-0850	Cannulation: for peripheral VV and VA ECLS	Shahzad Akram, Stockholm	
0850-0910	VP ECMO - Indications to choose VP over VA; escalate to VPA, de-escalation ...	Michael Brewer, Oklahoma City	
0910-0930	Bedside differences of VP compared VV and VA?	Bruno Neves, Leicester	
0930-0945	Discussion		
<b>09.45-10.15</b>		<i>Coffee brake and Industry exhibition and networking</i>	
<b>10.15-11.45</b>		<b>(New) approaches to complex cardiac ECLS</b>	
<u>Moderators: M Broomé, E Najjar, R Lorusso</u>			
1015-1035	Weaning strategies for complex configurations	Marc Maybauer, Gainesville	
1035-1055	Valvulopathies - considerations before, and how much ECMO flow is "too much" for a regurgitant valve	Roberto Lorusso, Maastricht	
1055-1115	Complex hemodynamics - lack of direction from LVAD guidelines	Emil Najjar, Stockholm	
1115-1135	How to balance LVAD and ECMO support combined	Michael Brewer, Oklahoma City	
1135-1145	Discussion		
1145-1200	Summary of the week	Lars Falk, Stockholm	
<b>12.00-</b>	Closing remarks	Faculty	
<b>12.30-</b>	Lunch		