



ELSO 29th Annual Conference - Scottsdale, AZ
September 13-16, 2018

ECMO Made Easy - ELSO Pre-Conference Symposium

Thursday, September 13, 2018			
Time	Topic	Faculty	Location
10:00-1:00	Registration		
1:00-1:05	Welcome Remarks	Katarzyna Hryniewicz	
	ECMO made easy		
1:05-1:30	Everything You Always Wanted to Know About The Circuit but Were Afraid to Ask	Justin Sleasman & Dirck Rilla	
1:30-2:30	Patient Selection	Panel	
1:30-1:45	Neonates	Natalie Rintoul	
1:45-2:00	Pediatrics	Malaika Mendonca	
2:00-2:15	Adult pulmonary	Michael Harper	
2:15-2:30	Adult cardiac	Katarzyna Hryniewicz	
2:30-2:40	Break		
2:40-3:10	Basics of cannulation		
2:40-2:50	Pediatrics	David Michael McMullan	
2:50-3:00	Percutaneous adults	Ivan Chavez	
3:00-3:10	Surgical adult	Karol Mudy	
3:10-3:40	5 Things I need to know about the management of an ECMO patient	Moderators: Panel	
3:10-3:20	Pediatrician's perspective	Natalie Rintoul	
3:20-3:30	Adult VV ECMO	Cara Agerstrand	
3:30-3:40	Adult VA ECMO	Katarzyna Hryniewicz	
3:40-3:50	Discussion and Questions		
3:50-4:05	How to start an ECMO program	Elizabeth Moore	
4:05-5:20	Make it real - Case presentations		
4:05-4:20	Case 1	Ivan Chavez	
4:20-4:35	Case 2	Malaika Mendonca	
4:35-4:50	Case 3	Bishoy Zakhary	
4:50-5:05	Case 4	Natalie Rintoul	
5:05-5:20	Case 5	Karol Mudy	
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Friday, September 14, 2018			
Time	Topic	Faculty	Location
7:00-8:00	Breakfast for Pre-Conference Attendees		
8:00-9:30	Breakout 1: Cannulation Demonstration (will include cannulation equipment, techniques, pitfalls and	Moderators; Ivan Chavez, Michael Harper & David Michael McMullan	
8:00-9:30	Cannulation Demonstration		
8:00-9:30	Breakout 2: All about the program	Moderators: Dirck Rilla & Justin Sleasman	
8:00-8:20	How to create a successful ECMO specialist program - different models	Elizabeth Moore	
8:20-8:40	Organizing a transport from/to an outside facility	Kevin Charette	
8:40-8:55	Transport within the hospital - lessons learned	Susan Williams	
8:55-9:15	Effective drills and symulations - getting buy-in from hospital	Justin Sleasman	
9:15-9:30	Cannula position, sterility and dislodgment protocols	Emily Todd	
9:30-10:30	Breakout 1: Challenging Cannulation Cases	Moderators: Natalie Rintoul & Katarzyna Hryniewicz	
9:30-9:45	Case Discussion #1 PVD	Ivan Chavez	
9:45-10:00	Case Discussion #2 VV	Michael Harper	
10:00-10:15	Case Discussion# 3 Pede	Malaika Mendonca	
10:15-10:30	Case Discussion #4 ECPR	Karol Mudy	
9:30-10:30	Breakout 2: Patient Management	Moderators: Cory Alwardt	
9:30-9:45	Ambulating and rehabilitating patients on ECMO	Cara Agerstrand	
9:45-9:55	Managing regional perfusion during VA ECMO	Cory Alwardt	
9:55-10:05	How to safely rewarm a patient on ECMO from hypothermia, and why technique matters.	Dirck Rilla	
10:05-10:15	Bedside RN perspective - adults	Beth Heather	
10:15-10:30	Bedside RN perspective - pediatrics	Christine Franciscovich	
10:30-10:40	Break		
10:40-11:40	5 Big Emergency Scenarios of Bedside ECMO	Moderators: Jwana Ibsies & Christine Franciscovich	
10:40-10:50	Air in the circuit	Jwana Ibsies	
10:50-11:00	Oxygen failure	Christine Franciscovich	
11:00-11:10	Lack of return	Jwana Ibsies	
11:10-11:20	Increase in pre-membrane pressure	Christine Franciscovich	
11:20-11:30	Clot formation	Jwana Ibsies, Christine Franciscovich	
11:30-11:40	Discussion and Questions		

29th Annual ELSO Conference

Friday, September 14, 2018			
Time	Topic	Faculty	
11:30-1:00	Lunch		
	Plenary Session		
1:00-1:10	Welcome	David Michael McMullan, Mark Ogino & Katarzyna Hryniewicz	
1:10-2:00	Keynote Address	Jean - Louis Vincent	
2:00-2:15	International ECMONet - A research Collaboration	Daniel Brodie	
2:15-2:30	Infrastructure for ECMO research - INDEX	Eddy Fan	
2:30-2:45	RCTs in ECMO - EOLIA, SUPERNOVA, ANCHOR	Alain Combes	
2:45-3:00	Papers from ELSO Registry	Ryan Barbaro	
3:00 - 3:30	Break with Exhibitors and Poster Presentations		

3:30-4:50	Drugs, Drugs, and More Drugs	Moderators: Panel	
3:30-3:40	Anticoagulation	Matthew Lillyblad	
3:40-3:50	ACT vs PTT vs TEG	Heidi Dalton	
3:50-4:00	Sedation - How to sedate and how to wake up?	Jeremy Degrado	
4:00-4:10	Antibiotics - how do you monitor?	Celine Thibault	
4:10-4:20	Pharmacokinetics of Vancomycin and Gentamycin on ECMO - multicenter study update	Jennifer Le	
4:20-4:30	Debate 1 - Bivalirudin vs heparin which one is the way to go?	Gail Anich vs Leslie Raffini	
4:30-4:40	Debate 2- Should I keep my patient sedated on ECMO?	Palle Palmer vs Steven Conrad	
4:40-4:50	Discussion and Questions	Panel	
4:50-5:45	Ethics and end of life issues	Moderator: Michael Nurok	
		Dominic Emerson	
		Michael Stentz	
6:30-9:00	Reception/Center of Excellence Awards and FELLO Award Ceremony	Tracy Morrison, Micheal Heard, Barb Haney, Giles Peek, Mork Ogino	
Saturday, September 15, 2018			
Time	Topic	Faculty	
6:00-6:45	ELSO Fun 3, 6 or 9K run/walk!		
7:00-8:00	Breakfast		
	Directors Breakfast Meeting	Mark Ogino	
	Coordinators Breakfast Meeting		
	Plenary Session		
8:00-10:00	From Basic Science to the Bedside	Moderators: Robert Bartlett & Panel	
8:00-9:00	Mini Oral Abstracts		
9:00-9:20	Debate 1: Clinical decision making: Physiology vs Evidence based	Robert Bartlett vs Matthew Paden	
9:20-9:40	Debate 2: VV ECMO - No oxygenation vs Some vs A lot - whats the sweet spot?	Leveena Munshi vs Palle Palmer vs Steven Conrad	
9:40-10:00	Debate 3: LV venting is a myth - true or false?	Roberto Lorusso vs Jonathan Haft	
10:00-10:30	Break with Exhibitors and Poster Presentations		
10:30-12:00	Breakout 1: Research and More Research	Moderators: Panel	
10:30-11:15	ELSO Research Grants	Steven Conrad and Gail Annich	
11:15-12:00	Pediatric Research / PALISI	Jim Fortenberry and Ryan Barbaro	
10:30-12:00	Breakout 2: Long term lung support	Moderators: Robert Bartlett & Panel	
10:30-10:45	Prime time for lung assist device?	Zachary Kon	
10:45-11:00	Long term lung support	Kristopher Deatrick	
11:00-11:15	Wearable lung for kids	Ron Hirschl	
11:15-11:30	Ex vivo lung	Bryan Whitson	
11:30-12:00	Mini Oral Abstracts		
10:30-12:00	Breakout 3 - Heart Lab (Separate Registration Fees Apply, Limited to 100 participants)	Karol Mudy	
12:00-1:00	Lunch		
12:00-1:00	Sponsored lunch symposium 1		
12:00-1:00	Sponsored lunch symposium 2		
12:00-1:00	Sponsored lunch symposium 3		
1:00-2:00	Breakout 1 - ECPR - Different Models	Moderators: Ivan Chavez & JoAnn Star	
1:00-1:10	ECPR research	Alvaro Rojas-Peña	
1:10-1:20	Pediatrics	David Michael McMullan	
1:20-1:30	Cath lab	Jan Bělohávek	
1:30-1:40	EDECMO	Joseph Bellezzo	
1:40-1:50	CT surgery perspective	Yih-Shrang Chen	
1:50-2:00	Discussion and Questions		

1:00-2:00	Breakout 2: Mentoring In Early career - RN and ECMO Specialists	Moderator: Elizabeth Moore	
1:00-1:15	Overview	Elizabeth Moore	
1:15-2:00	Discussion and Questions	All	
1:00-2:00	Breakout 3: ECMO Circuit - Above and Beyond	Moderators: Justin Sleasman & Kevin Charette	
1:00-1:15	Smarter circuits	Tim Maul	
1:15-1:30	Roller pump vs centrifugal in pediatric population	Bradford Sanders	
1:30-1:45	Adding complexity to the circuit	Dirck Rilla	
1:45-2:00	Assessing oxygen profile in VV and VA ECMO patients	Lars Mikael Broman	
2:00-3:00	Breakout 1: Cardiogenic Shock- Does one fit all?	Moderators: Panel	
2:00-2:10	Hemodynamics - PV loops and MCS made easy..or not?	Peter Eckman	
2:10-2:25	Towards the Lingua Franca of Shock - all shock is not created	David Baran	
2:25-2:35	Should we even think about pharmacotherapy?	Matthew Lillyblad	
2:35-2:45	Temporary MCS in the cath lab, time for an algorithm?	Yale Wang	
2:45-2:55	Refractory cardiogenic shock - do we still need a surgeon?	I-wen Wang	
2:55-3:00	Discussion and Questions		
2:00-3:00	Breakout 2 - To breathe or not to breathe? That's the question...	Moderator: Steven Conrad	
2:00-2:15	All you need to know about mechanical ventilation on VV ECMO	Eddy Fan	
2:15-2:30	Is it reasonable to tolerate hypoxemia during ECMO for ARDS?	Daniel Brodie	
2:30-2:45	When and how to trachea an ECMO patient	Matthew Bacchetta	
2:45-3:00	Take the tube out? Leave the tube in?	Cara Agerstrand	
2:00-3:00	Breakout 3 - Pediatrics	Moderators: Mark Ogino & Gail Annich	
2:00-2:15	The kidneys and RRT – to do or not to do?	Heidi Murphy/ Matthew Paden	
2:15-2:30	Congenital Diaphragmatic Hernia and Bivalirudin	David Kays	
2:30-2:45	Adjuvant therapies on ECMO - Use or harm?	Aparna Hoskote	
2:45-3:00	Neuromonitoring -what should we be doing in 2018?	Daniel Licht	
3:00-3:30	Break with Exhibitors and Poster Presentations		
3:30-4:30	Breakout 1: Imaging and ECMO	Moderators: Panel	
3:30-3:45	Echocardiography in ECMO patients - pediatrician's perspective	Aarti Bhat	
3:45-4:00	Echocardiography in ECMO patients - adult cardiologist's	Katarzyna Hryniewicz	
4:00-4:15	Post ECMO head MRI for all pediatric patients?	Daniel Licht	
4:15-4:30	Dead, dying or still alive? - The critical role of imaging in the assessment and treatment of an ECMO leg	Jessica Titus	
3:30-4:30	Breakout 2 - ECMO and What Next	Moderators: Robert Bartlett, David Michael McMullan & Daniel Brodie	
3:30-3:45	Cross circulation ECMO for organ recovery	Matthew Bacchetta	
3:45-4:00	Bridge to lung transplantation in adults	Cara Agerstrand	
4:00-4:15	Bridge to heart transplantation /VAD in children	Katsuhide Maeda	
4:15-4:30	Bridge to heart transplantation /VAD in adults	Karol Mudy	
4:30-5:30	Breakout 1: Difficult cases - pediatrics and adults	Moderators: Heidi Dalton, Malaika Mendonca & Natalie Rintoul	
4:30-4:45	Single Ventricle/CHD	Richard Klein	
4:45-5:00	Congenital Diaphragmatic Hernia	Holly Hedrick	
5:00-5:15	Trauma, aortic dissection and ECMO	Erik Osborn	
5:15-5:30	Liver failure, vasodilatory shock and ECMO	Bhavesh Patel	
4:30-5:30	Breakout 2: Mini Oral Sessions	Moderators: Shri Deshpande & David Baran	

Sunday September 16, 2018			
Time	Topic	Faculty	
7:00-8:00	Breakfast		
8:00-9:00	Plenary Session		
8:00-9:00	New FDA Policy for long term device approval	Moderators: John Toomasian & Robert Bartlett	
8:00-8:15	Introduction and History of US Device Approval Process	John Toomasian	
8:15-8:30	Industry perspective on ECMO	Scott Mertz	
8:30- 8:45	Regulatory Considerations for ECLS/ECMO Devices	Fernando Aguel	
8:45-9:00	Discussion and Questions		
9:00-9:15	ECMO Stewardship	David Michael McMullan	
9:15-9:30	What's new in the ELSO Registry?	Ryan Barbaro	
9:30-10:45	Not so common indications for ECMO	Moderators: Panel	
9:30-9:45	Organ procurement	Michael Hines	
9:45-10:00	Oncology	Joseph Zwischenberger	
10:00-10:15	Trauma	David Zonies	
10:15-10:30	Hematological Malignancies	Todd Kilbaugh	
10:30-10:45	Toxicology	Sandra Buttram	
10:45-11:00	Discussion and Questions		
11:00-11:30	Updates from around the world & Upcoming events	Mark Ogino	
11:00-11:05	EUROELSO	Roberto Lorusso	
11:05-11:10	SWAACELSO	Venkat Goyal	
11:10-11:15	LAELSO	Rodrigo Diaz/Luiz Fernando Caneo	
11:15-11:20	APELSO	Yih-Sharng Chen	
11:20-11:30	Final Remarks	Mark Ogino	