

ELSO 31th Annual Conference

September 25-26, 2020

31th Annual ELSO Conference - Improving ECLS Outcomes

All times are in Central Time (UTC -5) Time convertor: https://www.timeanddate.com/worldclock/converter.html

	Friday, September 25, 2020	
9:00 - 9:05	Welcome	Kasia Hryniewicz, MD
9:05 - 9:30	Keynote Address	John Fraser, MD
	Plenary Session	
9:30 - 9:45	ELSO in times of pandemic	Mark Ogino, MD
9:45 - 10:00	What's coming in ECCO2R for COPD clinical trials?	Daniel Brodie, MD
10:00 - 10:15	What's coming in ECCO2R for ARDS clinical trials?	Eddy Fan, MD
10:15 - 10:30	Are kids (on ECMO) just little adults?	Peta Alexander, MD
10:30 - 10:45	ECPR - A single center experience	Jan Belohlavek, MD
10:45 - 11:00	Pumpless ECMO	Emily Partridge, MD
11:00 - 11:30	Exhibitors/Poster/Labs/Sponsored Talks	
11:00 - 11:30	Heart lab	Karol Mudy, MD
11:00 - 11:30	Lung lab	Robert Bartlett, MD
11:00 - 11:30	Poster presentations	
11:00 - 11:30	Sponsored talk brought to you by Medtronic: Integrating new ECMO products into practice	Nick Mellas, CCP, Scott Merz, Ph.D
	during COVID 19 and the importance of produt design	
11:30 - 12:45	Breakout 1: Cardiac ECMO in Neonates and Children	Moderators: Shri Deshpande, MD, Mark Ogino, MD
11:30 - 11:45	Circulation challenges - they are not all made the same	Joanne Starr, MD
11:45 - 12:00	The challenge of ECMO after hemi - Fontan / bidirectional Glenn	Christopher Mascio, MD
12:00 - 12:15	Rescuing a complex cardiac patient	Michael McMullan, MD
12:15 - 12: 30	Post cardiotomy hemorrhagic shock in a patient supported with ECMO	Giles Peek, MD
12:30 - 12: 45	Discussion and questions	
11:30 - 12:45	Breakout 2: Pulmonary Adult	Moderator: Cara Agerstrand MD
11:30 - 11:45	Protecting the lung - ventilator optimization during VV ECMO	Steven Conrad, MD PhD
11:45 - 12:00	The circuit - patient interface: effects of ECMO on pulmonary circulation and gas exchange	Juan Ronco, MD
12:00 - 12:15	Refractory hypoxia - a practical approach	Hussein Kanji, MD
12:15 - 12: 30	New coronavirus: approach to ECMO care in China	Xiaotong Hou, MD
12:30 - 12: 45	Discussion and questions	
11:30 - 12:45	Breakout 3: Imaging on ECMO - Indications, Challenges and Pitfalls	Moderator: Gail Annich, MD
11:30 - 11:45	POCUS in neonates	Carl Davis, MD
11:45 - 12:00	Different imaging modalities in pediatric ECMO - what do we need to know?	Sujatha Buddhe, MD
12:00 - 12:15	Vascular imaging in the adult ECMO patient	Jessica Titus, MD
12:15 - 12: 30	Lung assessment on ECMO - what is available?	Michael Baram, MD
12:30 - 12: 45	Discussion and questions	
11:30 - 12:45	Breakout 4: COVID-19	Moderator: Bishoy Zakhary, MD
11:30 - 11:40	COVID-19 - related ARDS: is it not really ARDS?	Daniel Brodie, MD
11:40 - 11:50	Cardiac manifestation of COVID-19 infection and the use of ECMO - rare but scary	Susanna Price, MD
11:50 - 12:00	Regional aproach to ECMO care in times of pandemic	Christian Bermudez, MD
12:00 - 12:10	It's not just one, it's two to be saved - ECMO in a pregnant COVID-19 patient	Dena Goffman, MD
12:10 - 12: 20	Multisystem Inflammatory Syndrome in children with COVID-19 infection - role of ECMO	Matteo Di Nardo, MD
12:20 - 12: 45	Discussion and questions	

1245 - 100	
100 - 115	
100-115 Mart's new in cardiogenic shock in adults Intelligent all patients on VA ECAND Statutional and evidence Intelligent all patients on VA ECAND Statutional and evidence Intelligent all patients on VA ECAND Statutional and evidence Intelligent all patients on VA ECAND Statutional and evidence Intelligent all patients on VA ECAND Statutional and evidence Intelligent all patients on VA ECAND Statutional and evidence Intelligent all patients on VA ECAND Statutional Patients on VA ECAND Statutional Patients on VA ECAND Statution Patie	MD
135 - 130 Impella for all patients on VA CEMO? Rationale and evidence 130 - 145 130 - 145 131 - 130 131 - 130 135 - 120 135 - 120 136 - 130 137 - 130 138 - 130 138 - 130 138 - 130 138 - 130 138 - 130 138 - 130 138 - 130 138 - 130 138 - 130 138 - 130 138 - 130 139 - 130 139 - 130 130 - 131 130 - 130 130 - 130 130 - 131 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 131 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 131 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 - 130 130 -	IVID
130 - 145 Are the two vertricles playing together? New concept of IV unloading on peripheral ECMO possess, MO possess, and a possess of the control of the c	
1.35 - 2.00 Shock team Joyce Wald, MD 200 - 213 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05	
230 - 2315	
235 - 230 30	
Personal Content of Compensate Disphragmatic Hernia Round Table	
1901-115 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-1901 1901-19	
100 - 1:15 1:20 What's new in CDH: ELSO Numbers 1015 1:20 What's new in CDH: SVC Stenois in CDH 120 - 1:40 Decannulation readiness - view 1 130 Decannulation readiness - view 2 130 Decannulation r	
130 - 130 Decamulation readiness - view 1 Decamulation readiness - view 2 Jason Gier, MD Decamulation readiness - view 2 Jason Gier, MD Decamulation readiness - view 2 Jason Gier, MD Natile Rintoul, MD Section 100 Decamulation readiness - view 2 Jason Gier, MD Natile Rintoul, MD Decamulation readiness - view 2 Jason Gier, MD Natile Rintoul, MD Decamulation readiness - view 2 Jason Gier, MD Natile Rintoul, MD Decamulation readiness - view 2 Jason Gier, MD Natile Rintoul, MD Decamulation of Company hypertension in CDH Decamulation of Company (ND Decamulation) Decamulation (CDH Decamulation) Decamulati	
Jason Glen, MD	
1509-205 Pulmonary hypertension in CDH Repair on ECMO - anticoagulation, patch repair, how much to dissect, chest tubes or not Brian Gray, MD 220-2230 Breakout 3: Improving Outcomes in Pediatric ECMO Moderator: Matthew Paden MD, Rawi 1300-115 ECIS for EVALI. A hidden Luul or just blowing smoke? Matthew Harting, MD 1315-1330 Iss and Dust of pidatric ECMO-dialysis, procedures and more Rachel Sirgnano, MD Additive therapies on ECMO - dialysis, procedures and more Rachel Sirgnano, MD Additive therapies on ECMO - dialysis, procedures and more Rachel Sirgnano, MD Additive therapies on ECMO - dialysis, procedures and more Rachel Sirgnano, MD Amanging consent, parent expectations and perception David Steinhorm, MD Devision and questions United States Breakout 4: COVID-19 in Adults - Perspectives on ECMO Initiation and Management Moderator: Daniel Brodie, MD United States Rachel Sirgnano, MD Lifts-1:30 France Rain Combes, MD Discussion and questions Combes, MD Discussion and questions Discussion and questions Combes, MD Discussion and questions Rachel Sirgnand Rachel	
220 - 220 Repair on ECMO - anticoagulation, patch repair, how much to dissect, chest tubes or not 220 - 230 Discussion and questions Moderator: Matthew Paden MD, Ravi 130 - 2230 Ins and Duts of Pediatric ECPF - what is really needed? Set Stor EVALLs A hidden Just or just blowing smoke? Matthew Harting, MD Additive therapies on ECMO - dialysis, procedures and more Rachel Sirgnano, MD Additive therapies on ECMO - dialysis, procedures and more Rachel Sirgnano, MD Additive therapies on ECMO - dialysis, procedures and more Rachel Sirgnano, MD Additive therapies on ECMO - dialysis, procedures and more Rachel Sirgnano, MD Double States Multiple ECMO runs - how many is too many? Son Despande, MD Double States South Korea Discussion and questions Discussion and questions Intel States Firk Obborn, MD Albin Combes, MD Albin Combes, MD Albin Combes, MD Discussion and questions Con - 215 Cannol List Discussion and questions ECMO in the times of crisis - how to adapt ECMO processes and patient management Cara Agerstrand, MD Discussion and questions Research grant presentations The PROTECMO study, research team description, preliminary data, and plan for analysis Analysis of Platelet function in Patients on Extracropporal Membrane Oxygenation therapy The effects of chlomewidine disinfection on infection in patients supported with ECMO Pediatric ECMO and customs for Story and presentations The PROTECMO study, research team description, preliminary data, and plan for analysis Analysis of Platelet function in Patients on Extracropporal Membrane Oxygenation therapy The effects of chlomewidine disinfection on infection in patients supported with ECMO Pediatric ECMO and customs for ECMO Claborative Presentations Sound Action and questions for ELCS or search grant presentations The PROTECMO study, research grant presentations Sound Action and questions for ELCS or search grant presentations Discussion and questions for ELCS or search grant presentations Quality and research databases and enha	
2.20 - 2.30 Discussion and questions	
100 - 2:30 Breakout 3: Improving Outcomes in Pediatric ECMO Moderator: Matthew Paden MD, Ravi 100 - 1:15 ECLS for EVALI: A hidden Juul or just blowing smoke? Matthew Harting, MD 1151-1:130 India and Outs of pediatric ECMO - whals is, realized presented or Kirk Ant Fring, MD 1251-2:201 Multiple ECMO runs - how many is too many? Shr Deshpande, MD 1251-2:202 Shr Deshpande, MD David Steinhorn, MD 1251-2:203 Discussion and questions David Steinhorn, MD 1251-2:230 Discussion and questions David Steinhorn, MD 1251-1:230 Breakout 4: COVID-19 in Adults - Perspectives on ECMO Initiation and Management Moderator: Daniel Brodie, MD 1251-1:330 Francisco Shr Deshpande, MD Moderator: Daniel Brodie, MD 1251-1:340 Francisco Shr Deshpande, MD 1251-1:350 Francisco Shr Deshpande, MD David Steinhorn, MD 1251-1:351 Francisco Shr Deshpande, MD Moderator: Daniel Brodie, MD 1251-1:350 Francisco Shr Deshpande, MD Moderator: Daniel Brodie, MD 1251-1:350 Francisco Shr Deshpande, MD Rodrigo Diaz, MD 1251-1:350 Discussion and questions Shr Deshpande, MD Rodrigo Diaz, MD 1251-1:350 Discussion and questions Shr Deshpande, MD Rodrigo Diaz, MD 1251-1:350 Discussion and questions Shr Deshpande, MD Rodrigo Diaz, MD 1251-1:350 Discussion and questions Shr Deshpande, MD Rodrigo Diaz, MD 1251-1:350 Discussion and questions Shr Deshpande, MD Rodrigo Diaz, MD 1251-1:350 Discussion and questions Shr Deshpande, MD Rodrigo Diaz, MD 1251-1:350 Shr Deshpande, MD Shr Deshpande, MD Rodrigo Diaz, MD 1251-1:350 Shr Deshpande, MD Shr Deshpande, MD Rodrigo Diaz, MD 1251-1:350 Shr Deshpande, MD Shr Deshpande, MD Rodrigo Diaz, MD 1251-1:350 Shr Deshpande, MD S	
100 - 1:15 ECIS for EVALI: A hidden Joul or just blowing smoke? 115 - 1:30 In and Outs of pediatric ECPR - what is really needed? 115 - 1:30 In and Outs of pediatric ECPR - what is really needed? 136 - 1:45 Additive therapies on ECMO - dialysis, procedures and more 136 - 2:00 Multiple ECMO runs - how many is too many? 137 - 2:30 Shri Deshpande, MID 138 - 2:30 Discussion and questions 130 - 1:45 Discussion and questions 130 - 1:5 United States 130 - 1:5 United States 1315 - 1:30 France 130 - 1:15 United States 1315 - 1:30 South Korea 130 - 1:45 South Korea 130 - 1:45 South Korea 1310 - 1:45 South Korea 1310 - 1:45 ECMO in the times of crisis - how to adapt ECMO processes and patient management 130 - 1:45 ECMO in the times of crisis - how to adapt ECMO processes and patient management 130 - 1:45 Cannulation liab 130 - 1:45 Cannulation liab 130 - 1:45 ECMO in the times of crisis - how to adapt ECMO processes and patient management 130 - 1:45 ECMO in the times of crisis - how to adapt ECMO processes and patient management 130 - 1:45 ECMO in the times of crisis - how to adapt ECMO processes and patient management 130 - 1:45 ECMO in the times of crisis - how to adapt ECMO processes and patient management 130 - 1:45 ECMO in the times of crisis - how to adapt ECMO processes and patient management 130 - 1:45 ECMO in the times of crisis - how to adapt ECMO processes and patient management 130 - 3:40 Discussion and questions 130 - 3:40 EcMI in the times of crisis - how to adapt ECMO processes and patient management 130 - 3:40 Discussion and questions 130 - 3:40 ECMO in the times of crisis - how to adapt ECMO processes and patient management 130 - 3:40 Discussion and questions for ECMO processes and patient management 130 - 4:40 Discussion and questions for ECMO processes and patient management 130 - 4:40 Discussion and questions for ECMO processes and patient management 130 - 4:40 Discussion and questions for ECMO processes and patient management 130 - 4:40 Discussion and questions for ECMO processes and patients supporte	
100 - 1:15 ECIS for EVALI: A hidden Joul or just blowing smoke? 115 - 1:30 In and Outs of pediatric ECPR - what is really needed? 115 - 1:30 In and Outs of pediatric ECPR - what is really needed? 136 - 1:45 Additive therapies on ECMO - dialysis, procedures and more 136 - 2:00 Multiple ECMO runs - how many is too many? 137 - 2:30 Shri Deshpande, MID 138 - 2:30 Discussion and questions 130 - 1:45 Discussion and questions 130 - 1:5 United States 130 - 1:5 United States 1315 - 1:30 France 130 - 1:15 United States 1315 - 1:30 South Korea 130 - 1:45 South Korea 130 - 1:45 South Korea 1310 - 1:45 South Korea 1310 - 1:45 ECMO in the times of crisis - how to adapt ECMO processes and patient management 130 - 1:45 ECMO in the times of crisis - how to adapt ECMO processes and patient management 130 - 1:45 Cannulation liab 130 - 1:45 Cannulation liab 130 - 1:45 ECMO in the times of crisis - how to adapt ECMO processes and patient management 130 - 1:45 ECMO in the times of crisis - how to adapt ECMO processes and patient management 130 - 1:45 ECMO in the times of crisis - how to adapt ECMO processes and patient management 130 - 1:45 ECMO in the times of crisis - how to adapt ECMO processes and patient management 130 - 1:45 ECMO in the times of crisis - how to adapt ECMO processes and patient management 130 - 1:45 ECMO in the times of crisis - how to adapt ECMO processes and patient management 130 - 3:40 Discussion and questions 130 - 3:40 EcMI in the times of crisis - how to adapt ECMO processes and patient management 130 - 3:40 Discussion and questions 130 - 3:40 ECMO in the times of crisis - how to adapt ECMO processes and patient management 130 - 3:40 Discussion and questions for ECMO processes and patient management 130 - 4:40 Discussion and questions for ECMO processes and patient management 130 - 4:40 Discussion and questions for ECMO processes and patient management 130 - 4:40 Discussion and questions for ECMO processes and patient management 130 - 4:40 Discussion and questions for ECMO processes and patients supporte	
1:15 - 1:30 Ins and Outs of pediatric ECPR - what is really needed? Kirk Kanter, MD 1:30 - 1:45 Additive therapies on ECMO - dialysis, procedures and more Rache Sirgianon, MD 1:45 - 2:00 Multiple ECMO runs - how many is too many? Shr Deshpande, MD 2:00 - 2:15 Managing consent, parent expectations and perception David Steinhorn, MD 2:15 - 2:30 Discussion and questions 1:00 - 2:30 Breakout 4: COVID-19 in Adults - Perspectives on ECMO Initiation and Management Moderator: Daniel Brodie, MD 1:100 - 1:15 United States Erik Osborn, MD 1:130 - 1:45 United States 1:130 - 1:45 South Korea 1:30 - 2:20 Chile 2:30 - 3:00 Chile 2:30 - 3:00 Discussion and questions 2:30 - 3:00 Exhibitors/Posters/Labs/Sponsored Talks/Research Grant Presentations 2:30 - 3:00 Cannulation lab 1:00 - 1:15 South Moderator: Exhibitors/Posters/Labs/Sponsored Talks/Research Grant Presentations 1:00 - 1:00 - 1:00 - 1:00 Second Moderator: Exhibitors/Posters/Labs/Sponsored Talks/Research Grant Presentations 1:00 - 1:00 - 1:00 Second Moderator: Exhibitors/Posters/Labs/Sponsored Talks/Research Grant Presentations 1:00 - 1:00 Second Moderator: Exhibitors/Posters/Labs/Sponsored Talks/Research Grant Presentations 1:00 - 1:00 Second Moderator: Exhibitors/Posters/Labs/Sponsored Talks/Research Grant Presentations 1:00 Second Moderator: Exhibitors/Posters/Labs/Sponsored Moderator: Exhibitors/Posters/Labs/Sponsored Moderator: Robert Lkormos, MD 1:00 Second Moderator: Robert Lkormos, MD 1:00 Second Moderator: Robert Lkormos, MD 1:00 Second Mod	, Ravi Thiagarajan, MD
130 - 145	
2400 2115	
2:00 - 2:15 Managing consent, parent expectations and perception David Steinhorn, MD 2:15 - 2:30 Discussion and questions 1:00 - 2:30 Breakout 4: COVID-19 in Adults - Perspectives on ECMO Initiation and Management Moderator: Daniel Brodle, MD 1:00 - 1:15 United States Erik Osborn, MD 1:30 - 1:45 Erik Osborn, MD 1:30 - 1:45 South Korea Alain Combes, MD 1:30 - 1:45 South Korea Alain Combes, MD 2:00 - 2:15 ECMO in the times of crisis - how to adapt ECMO processes and patient management Cara Agerstrand, MD 2:00 - 2:15 ECMO in the times of crisis - how to adapt ECMO processes and patient management Cara Agerstrand, MD 2:00 - 2:15 ECMO in the times of crisis - how to adapt ECMO processes and patient management Cara Agerstrand, MD 2:00 - 2:10 Discussion and questions 2:00 Security Posters/Labs/Sponsored Talks/Research Grant Presentations 2:00 - 3:00 Exhibitors/Posters/Labs/Sponsored Talks/Research Grant Presentations 2:00 - 3:00 Virtual tour of the artificial placenta lab George Mychaliska, MD 2:00 - 3:00 Virtual tour of the artificial placenta lab George Mychaliska, MD 2:00 - 3:00 Processes and patient management Cara Agerstrand, MD 2:00 - 3:00 Virtual tour of the artificial placenta lab George Mychaliska, MD 2:00 - 3:00 Virtual tour of the artificial placenta lab George Mychaliska, MD 2:00 - 3:00 Research grant presentations 2:00 - 3:00 Processes and patient Mychaliska, MD 2:00 - 3:00 Research grant presentations 2:00 - 3:00 Sponsored Talk Processes and Extracorporeal Membrane Oxygenation Therapy The effects of chlorhexidine disinfection on infection in patients supported with ECMO Prediatric EroM Ontitiogalytion Collaborative (PEACE) Anticoagulation in ECMO: Is there a better option? Discussion and questions for ELSO research grant presentations 2:30 - 3:00 Sponsored talk brought to you by Abbott: Optimal initiation of ECMO: Is Earlier Better for Outcomes? 3:00 - 3:15 Oscillation Collaborative (PEACE) Anticoagulation in ECMO: Is there a better option? Discussion and questions for ELSO research grant presentations	
Discussion and questions Discussion and questions	
Breakout 4: COVID-19 in Adults - Perspectives on ECMO Initiation and Management Moderator: Daniel Brodie, MD 1:15 - 1:30 France Alain Combes, MD 1:30 - 1:45 South Korea Jae-Seung Jung, MD Alain Combes, MD 1:45 - 2:00 Chile Rodrigo Diaz, MD 2:00 - 2:15 ECMO in the times of crisis - how to adapt ECMO processes and patient management Cara Agerstrand, MD 2:30 - 3:00 Exhibitors/Posters/Labs/Sponsored Talks/Research Grant Presentations 2:30 - 3:00 Virtual tour of the artificial placenta lab Research grant presentations Research grant presentations The PROTECMO study: research team description, preliminary data, and plan for analysis Analysis of Platelet Function in Patients on Extracorporeal Membrane Oxygenation Therapy The effects of chlorhexidine disinfection on infection in patients supported with ECMO Pediatric ECMO Anticoagulation ic ECMO: Is there a better option? Discussion and questions for ELSO research grant presentations 2:30 - 3:00 Sponsored talk brought to you by Abbott: Optimal initiation of ECMO: Is Earlier Better for Outcomes? 3:00 - 4:15 Plenary Session Quality and Outcomes? Plenary Session Moderator: Ryan Barbaro, MD Alexander Supady, MD Plenary Session Quality and Outcomes What quality metrics and data should we be collecting to challenge the status quo? Carol Hodgson PT, PhD 3:30 - 3:45 What quality metrics and data should we be collecting to challenge the status quo? Carol Hodgson PT, PhD 3:30 - 4:15 Discussion and questions Bridging quality metrics and data should we be collecting to challenge the status quo? Carol Hodgson PT, PhD 3:45 - 4:30 Breakout 1: Not so Common Indications for ECMO in Adults Moderator: Robert Bartlett, MD, Bish Phil Mason, MD	
1:00 - 1:15 United States Erik Osborn, MD 1:15 - 1:30 France Alain Combes, MD 1:30 - 1:45 South Korea Jae-Seung Jung, MD 1:45 - 2:00 Chile Rodrigo Diaz, MD 1:45 - 2:00 Chile Rodrigo Diaz, MD 1:45 - 2:00 Discussion and questions Exhibitors/Posters/Labs/Sponsored Talks/Research Grant Presentations Exhibitors/Posters/Labs/Sponsored Talks/Research Grant Presentations 2:30 - 3:00 Exhibitors/Posters/Labs/Sponsored Talks/Research Grant Presentations Exhibitors/Posters/Labs/Sponsored Talks/Research Grant	
1:00 - 1:15 United States Erik Osborn, MD 1:15 - 1:30 France Alain Combes, MD 1:30 - 1:45 South Korea Jae-Seung Jung, MD 1:45 - 2:00 Chile Rodrigo Diaz, MD 1:45 - 2:00 Chile Rodrigo Diaz, MD 1:45 - 2:00 Discussion and questions Exhibitors/Posters/Labs/Sponsored Talks/Research Grant Presentations Exhibitors/Posters/Labs/Sponsored Talks/Research Grant Presentations 2:30 - 3:00 Exhibitors/Posters/Labs/Sponsored Talks/Research Grant Presentations Exhibitors/Posters/Labs/Sponsored Talks/Research Grant	
1:15 - 1:30 France	
1:30 - 1:45 South Korea Jae-Seung Jung, MD 1:45 - 2:00 Chile Collie Collie 2:00 - 2:15 ECMO in the times of crisis - how to adapt ECMO processes and patient management Cara Agerstrand, MD 2:15 - 2:30 Discussion and questions Discussion and questions 2:30 - 3:00 Exhibitors/Posters/Labs/Sponsored Talks/Research Grant Presentations Van Chavez, MD 2:30 - 3:00 Cannulation lab Van Chavez, MD 2:30 - 3:00 Virtual tour of the artificial placenta lab Van Chavez, MD 2:30 - 3:00 Research grant presentations Moderator: Lakshmi Raman MD, Ravi The PROTECMO Study: research team description, preliminary data, and plan for analysis Analysis of Platelet Function in Patients on Extracorporeal Membrane Oxygenation Therapy The effects of chlorhexidine disinfection on infection in patients supported with ECMO Pediatric ECMO Anticoagulation Collaborative (PEACE) Anticoagulation in ECMO: Is there a better option? Discussion and questions for ELSO research grant presentations 2:30 - 3:00 Sponsored talk brought to you by Abbott: Optimal initiation of ECMO: Is Earlier Better for Outcomes? Unique Tours of Moderator: Ryan Barbaro, MD 3:00 - 3:15 Plenary Session Quality and Outcomes Quality and Outcomes Analysis of Place Carol Hodgson PT, PhD 3:15 - 3:30 Bridging quality and research databases and enhancing international linkages Eddy Fan, MD 3:30 - 3:45 What quality metrics and data should we be collecting to challenge the status quo? Carol Hodgson PT, PhD 4:15 - 5:30 Breakout 1: Not so Common Indications for ECMO in Adults Moderators: Robert Bartlett, MD, Bish 4:15 - 5:30 ECMO in burn patients Phil Mason, MD	
1:45 - 2:00 Chile Rodrigo Diaz, MD 2:00 - 2:15 ECMO in the times of crisis - how to adapt ECMO processes and patient management Cara Agerstrand, MD 2:15 - 2:30 Discussion and questions Discussion and questions 2:30 - 3:00 Exhibitors/Posters/Labs/Sponsored Talks/Research Grant Presentations 2:30 - 3:00 Cannulation lab Nan Chavez, MD 2:30 - 3:00 Virtual tour of the artificial placenta lab George Mychaliska, MD 2:30 - 3:00 Virtual tour of the artificial placenta lab George Mychaliska, MD 2:30 - 3:00 Research grant presentations Moderator: Labshmi Raman MD, Ravi The PROTECMO Study: research team description, preliminary data, and plan for analysis George Mychaliska, MD 2:30 - 3:00 Research grant presentations Moderator: Labshmi Raman MD, Ravi The PROTECMO Study: research team description, preliminary data, and plan for analysis George Mychaliska, MD 2:30 - 3:00 Pediatric ECMO Anticoagulation on infection in patients supported with ECMO Hey Ju Yeo, MD, PhD Pediatric ECMO Anticoagulation collaborative (PEACE) Anticoagulation in ECMO: Is there a better option? Discussion and questions for ELSO research grant presentations 2:30 - 3:00 Sponsored talk brought to you by Abbott: Optimal initiation of ECMO: Is Earlier Better for Ductian Durham, MD Moderator: Robert L Kormos, MD 2:30 - 3:00 Sponsored talk brought to you by CytoSorbents: Cytokine absorption by CytoSorb in critically Ill COVID-19 patients Pelenary Session Moderator: Ryan Barbaro, MD 3:00 - 4:15 Plenary Session Quality and Outcomes Moderator: Ryan Barbaro, MD 3:00 - 3:15 Understanding the barriers to providing quality ECMO care Carol Hodgson PT, PhD 3:00 - 3:35 What quality metrics and data should we be collecting to challenge the status quo? Carol Hodgson PT, PhD 3:45 - 4:00 What can ELSO do for you? Using the ELSO Registry to improve local practice Ryan Barbaro, MD 4:15 - 5:30 Breakout 1: Not so Common Indications for ECMO in Adults Moderators:	
2:00 - 2:15 ECMO in the times of crisis - how to adapt ECMO processes and patient management Cara Agerstrand, MD 2:15 - 2:30 Discussion and questions 2:30 - 3:00 Exhibitors/Posters/Labs/Sponsored Talks/Research Grant Presentations 2:30 - 3:00 Virtual tour of the artificial placenta lab George Mychaliska, MD 2:30 - 3:00 Virtual tour of the artificial placenta lab George Mychaliska, MD 2:30 - 3:00 Virtual tour of the artificial placenta lab George Mychaliska, MD 2:30 - 3:00 Research grant presentations The PROTECMO study: research team description, preliminary data, and plan for analysis Analysis of Platelet Function in Patients on Extracorporeal Membrane Oxygenation Therapy The effects of chlorhexidine disinfection on infection in patients supported with ECMO Pediatric ECMO Anticoagulation Collaborative [PEAE] Anticoagulation in ECMO: Is there a better option? Discussion and questions for ELSO research grant presentations 2:30 - 3:00 Sponsored talk brought to you by Abbott: Optimal initiation of ECMO: Is Earlier Better for Outcomes? Discussion and questions for ELSO research grant presentations 2:30 - 3:00 Sponsored talk brought to you by CytoSorbents: Cytokine absorption by CytoSorb in critically ill COVID-19 patients 3:00 - 4:15 Plenary Session Quality and Outcomes Quality and Outcomes Outcomes Quality and Outcomes Moderator: Ryan Barbaro, MD Alexander Supady, MD 3:00 - 4:15 Plenary Session Quality and Outcomes What can ELSO do for you? Using the ELSO Registry to improve local practice Ryan Barbaro, MD What can ELSO do for you? Using the ELSO Registry to improve local practice Ryan Barbaro, MD What can ELSO do for you? Using the ELSO Registry to improve local practice Ryan Barbaro, MD What Can ELSO do for you? Using the ELSO Registry to improve local practice Ryan Barbaro, MD What Can ELSO do for you? Using the ELSO Registry to improve local practice Ryan Barbaro, MD What Can ELSO do for you? Using the ELSO Registry to improve local practice Ryan Barbaro, MD What Can ELSO do for you? Using the ELSO	
2:30 - 3:00 Exhibitors/Posters/Labs/Sponsored Talks/Research Grant Presentations 2:30 - 3:00 Cannulation lab Ivan Chavez, MD 2:30 - 3:00 Virtual tour of the artificial placenta lab George Mychaliska, MD 2:30 - 3:00 Research grant presentations The PROTECMO study: research team description, preliminary data, and plan for analysis Analysis of Platelet Function in Patients on Extracorporeal Membrane Oxygenation Therapy The effects of chlorhexidine disinfection on infection in patients supported with ECMO Pediatric ECMO Anticoagulation Collaborative (PEACE) Anticoagulation in ECMO: Is there a better option? Discussion and questions for ELSO research grant presentations 2:30 - 3:00 Sponsored talk brought to you by Abbott: Optimal initiation of ECMO: Is Earlier Better for Outcomes? Sponsored talk brought to you by CytoSorbents: Cytokine absorption by CytoSorb in critically ill COVID-19 patients 1:00 - 4:15 Plenary Session Quality and Outcomes Quality and Outcomes Quality and Outcomes Moderator: Ryan Barbaro, MD 3:00 - 3:15 Understanding the barriers to providing quality ECMO care Quality and Outcomes Moderator: Ryan Barbaro, MD 3:00 - 3:15 Understanding the barriers to providing quality ECMO care Quality and Outcomes Ryan Barbaro, MD 3:15 - 3:30 Bridging quality and research databases and enhancing international linkages Moderator: Ryan Barbaro, MD 3:45 - 4:00 What can ELSO do for you? Using the ELSO Registry to improve local practice Ryan Barbaro, MD 4:15 - 4:30 Breakout 1: Not so Common Indications for ECMO in Adults Moderators: Robert Bartlett, MD, Bish 4:15 - 4:30 ECMO in burn patients	
Exhibitors/Posters/Labs/Sponsored Talks/Research Grant Presentations Cannulation lab Cann	
2:30 - 3:00	
2:30 - 3:00	
2:30 - 3:00 Virtual tour of the artificial placenta lab 2:30 - 3:00 Research grant presentations The PROTECMO study: research team description, preliminary data, and plan for analysis Analysis of Platelet Function in Patients on Extracorporeal Membrane Oxygenation Therapy The effects of chlorhexidine disinfection on infection in patients supported with ECMO Pediatric ECMO Anticoagulation CollaborativE (PEACE) Anticoagulation in ECMO: Is there a better option? Discussion and questions for ELSO research grant presentations 2:30 - 3:00 Sponsored talk brought to you by Abbott: Optimal initiation of ECMO: Is Earlier Better for Outcomes? Sponsored talk brought to you by CytoSorbents: Cytokine absorption by CytoSorb in critically iil COVID-19 patients Sponsored talk brought to you by CytoSorbents: Cytokine absorption by CytoSorb in critically iil COVID-19 patients Moderator: Efthymios "Makis" Deliarg Nader Moazami, Prof Michael Firstenberg, MD Alexander Supady, MD 3:00 - 4:15 Plenary Session Quality and Outcomes 3:00 - 3:15 Moderator: Ryan Barbaro, MD 3:30 - 3:45 What quality and research databases and enhancing international linkages Eddy Fan, MD 3:30 - 3:45 What quality metrics and data should we be collecting to challenge the status quo? Carol Hodgson PT, PhD 3:45 - 4:00 What can ELSO do for you? Using the ELSO Registry to improve local practice Ryan Barbaro, MD 4:15 - 5:30 Breakout 1: Not so Common Indications for ECMO in Adults Moderators: Robert Bartlett, MD, Bish 4:15 - 5:30 Breakout 1: Not so Common Indications for ECMO in Adults Phil Mason, MD	
Research grant presentations The PROTECMO study: research team description, preliminary data, and plan for analysis Analysis of Platelet Function in Patients on Extracorporeal Membrane Oxygenation Therapy The effects of chlorhexidine disinfection on infection in patients supported with ECMO Pediatric ECMO Anticoagulation CollaborativE (PEACE) Anticoagulation in ECMO: Is there a better option? Discussion and questions for ELSO research grant presentations Sponsored talk brought to you by Abbott: Optimal initiation of ECMO: Is Earlier Better for Outcomes? Sponsored talk brought to you by CytoSorbents: Cytokine absorption by CytoSorb in critically ill COVID-19 patients Sponsored talk brought to you by CytoSorbents: Cytokine absorption by CytoSorb in critically ill COVID-19 patients Moderator: Robert L Kormos, MD Moderator: Robert L Kormos, MD Moderator: Bryands in Carol Hodgson PT, PhD Alexander Supady, MD Plenary Session Quality and Outcomes Outcomes Outcomes Plenary Session Alexander Supady, MD Discussion and quality and research databases and enhancing international linkages Eddy Fan, MD What quality metrics and data should we be collecting to challenge the status quo? Carol Hodgson PT, PhD What can ELSO do for you? Using the ELSO Registry to improve local practice Prid Moderators: Robert Bartlett, MD, Bish Discussion and questions Breakout 1: Not so Common Indications for ECMO in Adults Moderators: Robert Bartlett, MD, Bish Phil Mason, MD	
The PROTECMO study: research team description, preliminary data, and plan for analysis Analysis of Platelet Function in Patients on Extracorporeal Membrane Oxygenation Therapy The effects of chlorhexidine disinfection on infection in patients supported with ECMO Pediatric ECMO Anticoagulation CollaborativE (PEACE) Anticoagulation in ECMO: Is there a better option? Discussion and questions for ELSO research grant presentations 2:30 - 3:00 Sponsored talk brought to you by Abbott: Optimal initiation of ECMO: Is Earlier Better for Outcomes? Sponsored talk brought to you by CytoSorbents: Cytokine absorption by CytoSorb in critically ill COVID-19 patients Moderator: Robert L Kormos, MD Alexander Supady, MD 3:00 - 4:15 Plenary Session Quality and Outcomes Moderator: Ryan Barbaro, MD Alexander Supady, MD 3:00 - 3:15 Understanding the barriers to providing quality ECMO care Garol Hodgson PT, PhD Bridging quality and research databases and enhancing international linkages Bridging quality metrics and data should we be collecting to challenge the status quo? Carol Hodgson PT, PhD What can ELSO do for you? Using the ELSO Registry to improve local practice What can ELSO do for you? Using the ELSO Registry to improve local practice Phil Mason, MD Moderators: Robert Bartlett, MD, Bish CEMO in burn patients Phil Mason, MD	, Ravi Thiagarajan MD
Analysis of Platelet Function in Patients on Extracorporeal Membrane Oxygenation Therapy The effects of chlorhexidine disinfection on infection in patients supported with ECMO Pediatric ECMO Anticoagulation CollaborativE (PEACE) Anticoagulation in ECMO: Is there a better option? Discussion and questions for ELSO research grant presentations 2:30 - 3:00 Sponsored talk brought to you by Abbott: Optimal initiation of ECMO: Is Earlier Better for Outcomes? Sponsored talk brought to you by CytoSorbents: Cytokine absorption by CytoSorb in critically ill COVID-19 patients Moderator: Robert L Kormos, MD 3:00 - 4:15 Understanding the barriers to providing quality ECMO care Carol Hodgson PT, PhD 3:15 - 3:30 Bridging quality and research databases and enhancing international linkages Eddy Fan, MD 3:40 - 4:10 What quality metrics and data should we be collecting to challenge the status quo? Carol Hodgson PT, PhD 3:45 - 4:00 What can ELSO do for you? Using the ELSO Registry to improve local practice Ryan Barbaro, MD 4:15 - 5:30 Breakout 1: Not so Common Indications for ECMO in Adults Moderators: Robert Bartlett, MD, Bish Phil Mason, MD	
The effects of chlorhexidine disinfection on infection in patients supported with ECMO Pediatric ECMO Anticoagulation CollaborativE (PEACE) Anticoagulation in ECMO: Is there a better option? Discussion and questions for ELSO research grant presentations 2:30 - 3:00 Sponsored talk brought to you by Abbott: Optimal initiation of ECMO: Is Earlier Better for Outcomes? Discussion and questions Outcomes? Sponsored talk brought to you by CytoSorbents: Cytokine absorption by CytoSorb in critically ill COVID-19 patients Moderator: Robert L Kormos, MD Inderstanding the barriers to providing quality ECMO care Quality and Outcomes Moderator: Ryan Barbaro, MD Inderstanding the barriers to providing quality ECMO care Carol Hodgson PT, PhD Inderstanding the barriers and data should we be collecting to challenge the status quo? Carol Hodgson PT, PhD What quality metrics and data should we be collecting to challenge the status quo? Carol Hodgson PT, PhD What can ELSO do for you? Using the ELSO Registry to improve local practice What can ELSO do for you? Using the ELSO Registry to improve local practice What palaity and research databases and enhancing international linkages Breakout 1: Not so Common Indications for ECMO in Adults Moderators: Robert Bartlett, MD, Bish #15 - 4:30 ECMO in burn patients	
Anticoagulation in ECMO: Is there a better option? Discussion and questions for ELSO research grant presentations 2:30 - 3:00 Sponsored talk brought to you by Abbott: Optimal initiation of ECMO: Is Earlier Better for Outcomes? Sponsored talk brought to you by CytoSorbents: Cytokine absorption by CytoSorb in critically ill COVID-19 patients Sponsored talk brought to you by CytoSorbents: Cytokine absorption by CytoSorb in critically Nader Moazami, Prof Michael Firstenberg, MD Alexander Supady, MD 3:00 - 4:15 Plenary Session Quality and Outcomes Moderator: Ryan Barbaro, MD 3:00 - 3:15 Understanding the barriers to providing quality ECMO care 3:15 - 3:30 Bridging quality and research databases and enhancing international linkages Eddy Fan, MD 3:30 - 3:45 What quality metrics and data should we be collecting to challenge the status quo? Carol Hodgson PT, PhD 3:45 - 4:00 What can ELSO do for you? Using the ELSO Registry to improve local practice Ryan Barbaro, MD 4:15 - 5:30 Breakout 1: Not so Common Indications for ECMO in Adults Moderators: Robert Bartlett, MD, Bish Phil Mason, MD	
Discussion and questions for ELSO research grant presentations 2:30 - 3:00 Sponsored talk brought to you by Abbott: Optimal initiation of ECMO: Is Earlier Better for Outcomes? Sponsored talk brought to you by CytoSorbents: Cytokine absorption by CytoSorb in critically ill COVID-19 patients Moderator: Efthymios "Makis" Deliarg Nader Moazami, Prof Michael Firstenberg, MD Alexander Supady, MD 3:00 - 4:15 Plenary Session Quality and Outcomes 3:00 - 3:15 Understanding the barriers to providing quality ECMO care 3:15 - 3:30 Bridging quality and research databases and enhancing international linkages Bridging quality metrics and data should we be collecting to challenge the status quo? 3:45 - 4:00 What can ELSO do for you? Using the ELSO Registry to improve local practice Breakout 1: Not so Common Indications for ECMO in Adults ECMO in burn patients Phil Mason, MD	
2:30 - 3:00 Sponsored talk brought to you by Abbott: Optimal initiation of ECMO: Is Earlier Better for Outcomes? Sponsored talk brought to you by CytoSorbents: Cytokine absorption by CytoSorb in critically ill COVID-19 patients Sponsored talk brought to you by CytoSorbents: Cytokine absorption by CytoSorb in critically Nader Moazami, Prof Michael Firstenberg, MD Alexander Supady, MD 3:00 - 4:15 Plenary Session Quality and Outcomes 3:00 - 3:15 Understanding the barriers to providing quality ECMO care 3:15 - 3:30 Bridging quality and research databases and enhancing international linkages Eddy Fan, MD 3:30 - 3:45 What quality metrics and data should we be collecting to challenge the status quo? Carol Hodgson PT, PhD 3:45 - 4:00 What can ELSO do for you? Using the ELSO Registry to improve local practice Ryan Barbaro, MD 4:15 - 5:30 Breakout 1: Not so Common Indications for ECMO in Adults Phill Mason, MD	
Outcomes? Sponsored talk brought to you by CytoSorbents: Cytokine absorption by CytoSorb in critically ill COVID-19 patients Nader Moazami, Prof Michael Firstenberg, MD Alexander Supady, MD 3:00 - 4:15 Plenary Session Quality and Outcomes 3:00 - 3:15 Understanding the barriers to providing quality ECMO care 3:15 - 3:30 Bridging quality and research databases and enhancing international linkages Bridging quality metrics and data should we be collecting to challenge the status quo? 3:45 - 4:00 What can ELSO do for you? Using the ELSO Registry to improve local practice 4:15 - 5:30 Breakout 1: Not so Common Indications for ECMO in Adults Phil Mason, MD	
Sponsored talk brought to you by CytoSorbents: Cytokine absorption by CytoSorb in critically ill COVID-19 patients Sponsored talk brought to you by CytoSorbents: Cytokine absorption by CytoSorb in critically Nader Moazami, Prof Michael Firstenberg, MD Alexander Supady, MD 3:00 - 4:15 Plenary Session Quality and Outcomes Moderator: Ryan Barbaro, MD 3:00 - 3:15 Understanding the barriers to providing quality ECMO care 3:15 - 3:30 Bridging quality and research databases and enhancing international linkages Eddy Fan, MD 3:30 - 3:45 What quality metrics and data should we be collecting to challenge the status quo? Carol Hodgson PT, PhD 3:45 - 4:00 What can ELSO do for you? Using the ELSO Registry to improve local practice Ryan Barbaro, MD 4:15 - 5:30 Breakout 1: Not so Common Indications for ECMO in Adults Moderators: Robert Bartlett, MD, Bish 4:15 - 4:30 ECMO in burn patients	
ill COVID-19 patients Nader Moazami, Prof Michael Firstenberg, MD Alexander Supady, MD 3:00 - 4:15 Plenary Session Quality and Outcomes Moderator: Ryan Barbaro, MD 3:15 - 3:30 Bridging quality and research databases and enhancing international linkages Eddy Fan, MD 3:30 - 3:45 What quality metrics and data should we be collecting to challenge the status quo? 3:45 - 4:00 What can ELSO do for you? Using the ELSO Registry to improve local practice Ryan Barbaro, MD 4:15 - 5:30 Breakout 1: Not so Common Indications for ECMO in Adults Moderators: Robert Bartlett, MD, Bish 4:15 - 4:30 ECMO in burn patients Phil Mason, MD	
Michael Firstenberg, MD Alexander Supady, MD 3:00 - 4:15 Plenary Session Quality and Outcomes Understanding the barriers to providing quality ECMO care 3:15 - 3:30 Bridging quality and research databases and enhancing international linkages Eddy Fan, MD 3:30 - 3:45 What quality metrics and data should we be collecting to challenge the status quo? Carol Hodgson PT, PhD 3:45 - 4:00 What can ELSO do for you? Using the ELSO Registry to improve local practice Ryan Barbaro, MD 4:15 - 5:30 Breakout 1: Not so Common Indications for ECMO in Adults Moderators: Robert Bartlett, MD, Bish 4:15 - 4:30 ECMO in burn patients Michael Firstenberg, MD Alexander Supady, MD	eliargyris, MD
Alexander Supady, MD 3:00 - 4:15 Plenary Session Quality and Outcomes Moderator: Ryan Barbaro, MD 3:00 - 3:15 Understanding the barriers to providing quality ECMO care Carol Hodgson PT, PhD 3:15 - 3:30 Bridging quality and research databases and enhancing international linkages Eddy Fan, MD 3:30 - 3:45 What quality metrics and data should we be collecting to challenge the status quo? Carol Hodgson PT, PhD 3:45 - 4:00 What can ELSO do for you? Using the ELSO Registry to improve local practice Ryan Barbaro, MD 4:10 - 4:15 Discussion and questions Breakout 1: Not so Common Indications for ECMO in Adults Phil Mason, MD	
3:00 - 4:15 Plenary Session Quality and Outcomes Moderator: Ryan Barbaro, MD 3:00 - 3:15 Understanding the barriers to providing quality ECMO care 3:15 - 3:30 Bridging quality and research databases and enhancing international linkages Eddy Fan, MD 3:30 - 3:45 What quality metrics and data should we be collecting to challenge the status quo? Carol Hodgson PT, PhD 3:45 - 4:00 What can ELSO do for you? Using the ELSO Registry to improve local practice Ryan Barbaro, MD 4:10 - 4:15 Discussion and questions Breakout 1: Not so Common Indications for ECMO in Adults Phil Mason, MD ECMO in burn patients Phil Mason, MD	
Quality and Outcomes 3:00 - 3:15 Understanding the barriers to providing quality ECMO care Carol Hodgson PT, PhD 3:15 - 3:30 Bridging quality and research databases and enhancing international linkages Eddy Fan, MD 3:30 - 3:45 What quality metrics and data should we be collecting to challenge the status quo? Carol Hodgson PT, PhD 3:45 - 4:00 What can ELSO do for you? Using the ELSO Registry to improve local practice Ryan Barbaro, MD 4:00 - 4:15 Discussion and questions 4:15 - 5:30 Breakout 1: Not so Common Indications for ECMO in Adults 4:15 - 4:30 ECMO in burn patients Moderators: Robert Bartlett, MD, Bish	
Quality and Outcomes 3:00 - 3:15 Understanding the barriers to providing quality ECMO care Carol Hodgson PT, PhD 3:15 - 3:30 Bridging quality and research databases and enhancing international linkages Eddy Fan, MD 3:30 - 3:45 What quality metrics and data should we be collecting to challenge the status quo? Carol Hodgson PT, PhD 3:45 - 4:00 What can ELSO do for you? Using the ELSO Registry to improve local practice Ryan Barbaro, MD 4:00 - 4:15 Discussion and questions 4:15 - 5:30 Breakout 1: Not so Common Indications for ECMO in Adults 4:15 - 4:30 ECMO in burn patients Moderators: Robert Bartlett, MD, Bish	
3:00 - 3:15 Understanding the barriers to providing quality ECMO care Carol Hodgson PT, PhD 3:15 - 3:30 Bridging quality and research databases and enhancing international linkages Eddy Fan, MD 3:30 - 3:45 What quality metrics and data should we be collecting to challenge the status quo? Carol Hodgson PT, PhD 3:45 - 4:00 What can ELSO do for you? Using the ELSO Registry to improve local practice Ryan Barbaro, MD 4:00 - 4:15 Discussion and questions 4:15 - 5:30 Breakout 1: Not so Common Indications for ECMO in Adults 4:15 - 4:30 ECMO in burn patients Phil Mason, MD	
3:30 - 3:45 What quality metrics and data should we be collecting to challenge the status quo? Carol Hodgson PT, PhD 3:45 - 4:00 What can ELSO do for you? Using the ELSO Registry to improve local practice Ryan Barbaro, MD 4:00 - 4:15 Discussion and questions 4:15 - 5:30 Breakout 1: Not so Common Indications for ECMO in Adults Moderators: Robert Bartlett, MD, Bish 4:15 - 4:30 ECMO in burn patients Phil Mason, MD	
3:30 - 3:45 What quality metrics and data should we be collecting to challenge the status quo? Carol Hodgson PT, PhD 3:45 - 4:00 What can ELSO do for you? Using the ELSO Registry to improve local practice Ryan Barbaro, MD 4:00 - 4:15 Discussion and questions 4:15 - 5:30 Breakout 1: Not so Common Indications for ECMO in Adults Moderators: Robert Bartlett, MD, Bish 4:15 - 4:30 ECMO in burn patients Phil Mason, MD	
4:00 - 4:15 Discussion and questions 4:15 - 5:30 Breakout 1: Not so Common Indications for ECMO in Adults Moderators: Robert Bartlett, MD, Bish 4:15 - 4:30 ECMO in burn patients Phil Mason, MD	
4:15 - 5:30 Breakout 1: Not so Common Indications for ECMO in Adults Moderators: Robert Bartlett, MD, Bish 4:15 - 4:30 ECMO in burn patients Phil Mason, MD	
4:15 - 4:30 ECMO in burn patients Phil Mason, MD	
4:15 - 4:30 ECMO in burn patients Phil Mason, MD	
), Bishoy Zakhary MD
4:30 - 4:45 FCMO in hypothermia Derek Gunning MD	
Delek dullillig, MD	
4:45 - 5:00 ECMO in patients with Type A Aortic Dissection Karol Mudy, MD	
5:00 - 5:15 ECMO in non-transplant surgery Cara Agerstrand, MD	
5:15 - 5:30 Discussion and questions	
4:15 - 5:30 Breakout 2: Not so Common Indications for ECMO in Children and Neonates Moderator: Shri Deshpande, MD, Gail	, Gail Annich, MD

4:15 - 4:30	Next frontier in anti-viral therapy: viral specific T cell	Ranjit Chima, MD
4:30 - 4:45	Pulmonary hypoplasia from renal disease - what is the real survival?	Eugenia Pallotto, MD MSCE
4:45 - 5:00	ECMO and active cancer - absolute contraindication or not?	Todd Kilbaugh, MD
5:00 - 5:15	Pulmonary hemorrhage syndrome - when to think about ECMO	Matthew Paden, MD
5:15 - 5:30	Discussion and questions	,
2.20 0.00	Sistematical and questions	
4:15 - 5:30	Breakout 3: All About the Circuit	Moderator: Kelly Tointon CCP
4:15 - 4:30	Update on available PMP oxygenators	Ryan Kleinman, CCP
4:30 - 4:45	Centrifugal pumps for all or not?	Clinton Jones, CCP
4:45 - 5:00	To fogarty or not to fogarty - "clampless" arterial cannula clot removal technique	Kevin Charette, CCP
5:00 - 5:15	The slow decannulation: how to safely leave cannulas in place after removing the circuit	Azadeh Jahadi, CCP
5:15 - 5:30	Discussion and questions	
4:15 - 5:30	Breakout 4: LATAM ELSO Session (Presented in Spanish)	Moderator: Leonardo Salazar, MD
4:15 - 4 :25	Coordination nacional de centros de ECMO en COVID-19, exepriencia en Chile	Rodrigo Diaz, MD
4:25- 4:35	ECMO en sepsis pediatrica	Grace van Leeuwen, MD FSCAI
4:35 - 4:45	Anticoagulacion en ECMO COVID-19	Rene Gomez, MD
4:45 - 4:55	ECMO en cardiopatias congenitas	Luis Caneo, MD
4:55 - 5:05	ECMO VA vs Asistiencia Ventricular temporal en choque cardiogenico	Leonardo Salazar, MD
5:05 - 5:15	Una vuelta en la montana rusa de COVID-19- 59 dias en ECMO	Ramiro Saavedra, MD
5:20 - 5:30	Discussion and questions	
5:30 - 5:45	Exhibitors/Poster Session	
J.30 - J.43	Exhibitoral Foster account	
F 4F 7.00	Part of The Other Worlds	Madagara Bahada Lacas MD
5:45 - 7:00	Breakout 1 - The Other Ventricle	Moderator: Roberto Lorusso, MD
5:45 - 6:00	Clinical right ventricular failure - what do we really know about it?	Michael Samara, MD
6:00 - 6:15	Mechanical support for RV failure - what are the options?	Christian Bermudez MD
6:15 - 6:30	PERT - should ECMO be part of the equation	Phillip Green, MD
6:30 - 6:45	Struggling RV - how to accurately assess VA ECMO weaning	Bishoy Zakhary, MD
6:45 - 7:00	Discussion and questions	
	,	
5:45 - 7:00	Breakout 2 - Patient Management	Moderator: Christine Franciscovich, NP
5:45 - 6:00	Teenagers on ECMO - what should we think about?	Thomas Brogan, MD
6:00 - 6:15	Painful part of managing pain	Melissa Jones, NP
6:15 - 6:30	Early mobilization on ECMO - how to be successful	Carol Hodgson, PT, PhD
6:30 - 6:45	Taking care of a burn patient - what are the challenges?	Colleen Mitchell, RN
6:45 - 7:00	Discussion and questions	
5:45 - 7:00	Breakout 3: Ask the experts - Peds and Neonate	Joanne Starr, MD, Natalie Rintoul, MD, Gail Annich, MD, Justin Sleasman, CCP, Heidi Dalton, MD
	C	
I	Saturday, September 26, 2020	
8.00.0.00		Madazatari Arthur C. Clutela - M.C.
8:00-9:00	Late Breaking Report from The Lancet: The ELSO Registry on ECMO for COVID-19	Moderator: Arthur S. Slutsky, MD
8:00-9:00		Ryan Barbaro, MD, Daniel Brodie, MD, Graeme
8:00-9:00		Ryan Barbaro, MD, Daniel Brodie, MD, Graeme MacLaren, MD, Alain Combes, MD, Robert Bartlett,
	Late Breaking Report from The Lancet: The ELSO Registry on ECMO for COVID-19	Ryan Barbaro, MD, Daniel Brodie, MD, Graeme MacLaren, MD, Alain Combes, MD, Robert Bartlett, MD, Roberto Lorusso, MD, Phil Boonstra, PhD
9:00 - 12:00	Late Breaking Report from The Lancet: The ELSO Registry on ECMO for COVID-19 Plenary Session - ECMO Economics and The Great Debates	Ryan Barbaro, MD, Daniel Brodie, MD, Graeme MacLaren, MD, Alain Combes, MD, Robert Bartlett,
	Late Breaking Report from The Lancet: The ELSO Registry on ECMO for COVID-19	Ryan Barbaro, MD, Daniel Brodie, MD, Graeme MacLaren, MD, Alain Combes, MD, Robert Bartlett, MD, Roberto Lorusso, MD, Phil Boonstra, PhD
9:00 - 12:00	Late Breaking Report from The Lancet: The ELSO Registry on ECMO for COVID-19 Plenary Session - ECMO Economics and The Great Debates	Ryan Barbaro, MD, Daniel Brodie, MD, Graeme MacLaren, MD, Alain Combes, MD, Robert Bartlett, MD, Roberto Lorusso, MD, Phil Boonstra, PhD Moderators: Matthew Paden, MD
9:00 - 12:00 9:00 - 9:20	Late Breaking Report from The Lancet: The ELSO Registry on ECMO for COVID-19 Plenary Session - ECMO Economics and The Great Debates Whistling past the graveyard - physicians, advanced technologies, and financing healthcare Discussion and questions	Ryan Barbaro, MD, Daniel Brodie, MD, Graeme MacLaren, MD, Alain Combes, MD, Robert Bartlett, MD, Roberto Lorusso, MD, Phil Boonstra, PhD Moderators: Matthew Paden, MD
9:00 - 12:00 9:00 - 9:20 9:20 - 9:30	Late Breaking Report from The Lancet: The ELSO Registry on ECMO for COVID-19 Plenary Session - ECMO Economics and The Great Debates Whistling past the graveyard - physicians, advanced technologies, and financing healthcare Discussion and questions The Great Debates	Ryan Barbaro, MD, Daniel Brodie, MD, Graeme MacLaren, MD, Alain Combes, MD, Robert Bartlett, MD, Roberto Lorusso, MD, Phil Boonstra, PhD Moderators: Matthew Paden, MD Gordon Morewood, MD
9:00 - 12:00 9:00 - 9:20 9:20 - 9:30 9:30 - 9:55	Late Breaking Report from The Lancet: The ELSO Registry on ECMO for COVID-19 Plenary Session - ECMO Economics and The Great Debates Whistling past the graveyard - physicians, advanced technologies, and financing healthcare Discussion and questions The Great Debates ECPR should be offered to all children for out of hospital cardiac arrest	Ryan Barbaro, MD, Daniel Brodie, MD, Graeme MacLaren, MD, Alain Combes, MD, Robert Bartlett, MD, Roberto Lorusso, MD, Phil Boonstra, PhD Moderators: Matthew Paden, MD Gordon Morewood, MD Kevin Maher, MD vs Giles Peek, MD
9:00 - 12:00 9:00 - 9:20 9:20 - 9:30	Late Breaking Report from The Lancet: The ELSO Registry on ECMO for COVID-19 Plenary Session - ECMO Economics and The Great Debates Whistling past the graveyard - physicians, advanced technologies, and financing healthcare Discussion and questions The Great Debates ECPR should be offered to all children for out of hospital cardiac arrest ECMO rather than Berlin Heart should be used as bridge to heart transplantation in neonates	Ryan Barbaro, MD, Daniel Brodie, MD, Graeme MacLaren, MD, Alain Combes, MD, Robert Bartlett, MD, Roberto Lorusso, MD, Phil Boonstra, PhD Moderators: Matthew Paden, MD Gordon Morewood, MD
9:00 - 12:00 9:00 - 9:20 9:20 - 9:30 9:30 - 9:55 9:55 - 10:20	Late Breaking Report from The Lancet: The ELSO Registry on ECMO for COVID-19 Plenary Session - ECMO Economics and The Great Debates Whistling past the graveyard - physicians, advanced technologies, and financing healthcare Discussion and questions The Great Debates ECPR should be offered to all children for out of hospital cardiac arrest ECMO rather than Berlin Heart should be used as bridge to heart transplantation in neonates and young infants	Ryan Barbaro, MD, Daniel Brodie, MD, Graeme MacLaren, MD, Alain Combes, MD, Robert Bartlett, MD, Roberto Lorusso, MD, Phil Boonstra, PhD Moderators: Matthew Paden, MD Gordon Morewood, MD Kevin Maher, MD vs Giles Peek, MD Michael McMullan, MD vs Katsuhide Maeda, MD
9:00 - 12:00 9:00 - 9:20 9:20 - 9:30 9:30 - 9:55 9:55 - 10:20	Late Breaking Report from The Lancet: The ELSO Registry on ECMO for COVID-19 Plenary Session - ECMO Economics and The Great Debates Whistling past the graveyard - physicians, advanced technologies, and financing healthcare Discussion and questions The Great Debates ECPR should be offered to all children for out of hospital cardiac arrest ECMO rather than Berlin Heart should be used as bridge to heart transplantation in neonates and young infants Hypoxemia on VV ECMO - hi flow VV vs medical therapy	Ryan Barbaro, MD, Daniel Brodie, MD, Graeme MacLaren, MD, Alain Combes, MD, Robert Bartlett, MD, Roberto Lorusso, MD, Phil Boonstra, PhD Moderators: Matthew Paden, MD Gordon Morewood, MD Kevin Maher, MD vs Giles Peek, MD Michael McMullan, MD vs Katsuhide Maeda, MD Darryl Abrams, MD vs Bishoy Zakhary, MD
9:00 - 12:00 9:00 - 9:20 9:20 - 9:30 9:30 - 9:55 9:55 - 10:20	Late Breaking Report from The Lancet: The ELSO Registry on ECMO for COVID-19 Plenary Session - ECMO Economics and The Great Debates Whistling past the graveyard - physicians, advanced technologies, and financing healthcare Discussion and questions The Great Debates ECPR should be offered to all children for out of hospital cardiac arrest ECMO rather than Berlin Heart should be used as bridge to heart transplantation in neonates and young infants	Ryan Barbaro, MD, Daniel Brodie, MD, Graeme MacLaren, MD, Alain Combes, MD, Robert Bartlett, MD, Roberto Lorusso, MD, Phil Boonstra, PhD Moderators: Matthew Paden, MD Gordon Morewood, MD Kevin Maher, MD vs Giles Peek, MD Michael McMullan, MD vs Katsuhide Maeda, MD Darryl Abrams, MD vs Bishoy Zakhary, MD Cory Alwardt, CCP, PhD vs Tim Maul, CCP, PhD
9:00 - 12:00 9:00 - 9:20 9:20 - 9:30 9:30 - 9:55 9:55 - 10:20	Late Breaking Report from The Lancet: The ELSO Registry on ECMO for COVID-19 Plenary Session - ECMO Economics and The Great Debates Whistling past the graveyard - physicians, advanced technologies, and financing healthcare Discussion and questions The Great Debates ECPR should be offered to all children for out of hospital cardiac arrest ECMO rather than Berlin Heart should be used as bridge to heart transplantation in neonates and young infants Hypoxemia on VV ECMO - hi flow VV vs medical therapy	Ryan Barbaro, MD, Daniel Brodie, MD, Graeme MacLaren, MD, Alain Combes, MD, Robert Bartlett, MD, Roberto Lorusso, MD, Phil Boonstra, PhD Moderators: Matthew Paden, MD Gordon Morewood, MD Kevin Maher, MD vs Giles Peek, MD Michael McMullan, MD vs Katsuhide Maeda, MD Darryl Abrams, MD vs Bishoy Zakhary, MD
9:00 - 12:00 9:00 - 9:20 9:20 - 9:30 9:30 - 9:55 9:55 - 10:20 10:20 - 10:45 10:45 - 11:10	Late Breaking Report from The Lancet: The ELSO Registry on ECMO for COVID-19 Plenary Session - ECMO Economics and The Great Debates Whistling past the graveyard - physicians, advanced technologies, and financing healthcare Discussion and questions The Great Debates ECPR should be offered to all children for out of hospital cardiac arrest ECMO rather than Berlin Heart should be used as bridge to heart transplantation in neonates and young infants Hypoxemia on VV ECMO - hi flow VV vs medical therapy Drugs and blood products should never be administered to the ECMO circuit	Ryan Barbaro, MD, Daniel Brodie, MD, Graeme MacLaren, MD, Alain Combes, MD, Robert Bartlett, MD, Roberto Lorusso, MD, Phil Boonstra, PhD Moderators: Matthew Paden, MD Gordon Morewood, MD Kevin Maher, MD vs Giles Peek, MD Michael McMullan, MD vs Katsuhide Maeda, MD Darryl Abrams, MD vs Bishoy Zakhary, MD Cory Alwardt, CCP, PhD vs Tim Maul, CCP, PhD
9:00 - 12:00 9:00 - 9:20 9:20 - 9:30 9:30 - 9:55 9:55 - 10:20 10:20 - 10:45 10:45 - 11:10 11:10 - 11:35	Plenary Session - ECMO Economics and The Great Debates Whistling past the graveyard - physicians, advanced technologies, and financing healthcare Discussion and questions The Great Debates ECPR should be offered to all children for out of hospital cardiac arrest ECMO rather than Berlin Heart should be used as bridge to heart transplantation in neonates and young infants Hypoxemia on VV ECMO - hi flow VV vs medical therapy Drugs and blood products should never be administered to the ECMO circuit Distal perfusion catheter should be placed in all adult VA ECMO patients	Ryan Barbaro, MD, Daniel Brodie, MD, Graeme MacLaren, MD, Alain Combes, MD, Robert Bartlett, MD, Roberto Lorusso, MD, Phil Boonstra, PhD Moderators: Matthew Paden, MD Gordon Morewood, MD Kevin Maher, MD vs Giles Peek, MD Michael McMullan, MD vs Katsuhide Maeda, MD Darryl Abrams, MD vs Bishoy Zakhary, MD Cory Alwardt, CCP, PhD vs Tim Maul, CCP, PhD
9:00 - 12:00 9:00 - 9:20 9:20 - 9:30 9:30 - 9:55 9:55 - 10:20 10:20 - 10:45 10:45 - 11:10 11:10 - 11:35 11:35 - 12:00	Plenary Session - ECMO Economics and The Great Debates Whistling past the graveyard - physicians, advanced technologies, and financing healthcare Discussion and questions The Great Debates ECPR should be offered to all children for out of hospital cardiac arrest ECMO rather than Berlin Heart should be used as bridge to heart transplantation in neonates and young infants Hypoxemia on VV ECMO - hi flow VV vs medical therapy Drugs and blood products should never be administered to the ECMO circuit Distal perfusion catheter should be placed in all adult VA ECMO patients Discussion and questions	Ryan Barbaro, MD, Daniel Brodie, MD, Graeme MacLaren, MD, Alain Combes, MD, Robert Bartlett, MD, Roberto Lorusso, MD, Phil Boonstra, PhD Moderators: Matthew Paden, MD Gordon Morewood, MD Kevin Maher, MD vs Giles Peek, MD Michael McMullan, MD vs Katsuhide Maeda, MD Darryl Abrams, MD vs Bishoy Zakhary, MD Cory Alwardt, CCP, PhD vs Tim Maul, CCP, PhD
9:00 - 12:00 9:00 - 9:20 9:20 - 9:30 9:30 - 9:55 9:55 - 10:20 10:20 - 10:45 10:45 - 11:10 11:10 - 11:35 11:35 - 12:00	Plenary Session - ECMO Economics and The Great Debates Whistling past the graveyard - physicians, advanced technologies, and financing healthcare Discussion and questions The Great Debates ECPR should be offered to all children for out of hospital cardiac arrest ECMO rather than Berlin Heart should be used as bridge to heart transplantation in neonates and young infants Hypoxemia on VV ECMO - hi flow VV vs medical therapy Drugs and blood products should never be administered to the ECMO circuit Distal perfusion catheter should be placed in all adult VA ECMO patients Discussion and questions Award Ceremony, Exhibitors, Sponsored Talks, Labs and Poster Presentations	Ryan Barbaro, MD, Daniel Brodie, MD, Graeme MacLaren, MD, Alain Combes, MD, Robert Bartlett, MD, Roberto Lorusso, MD, Phil Boonstra, PhD Moderators: Matthew Paden, MD Gordon Morewood, MD Kevin Maher, MD vs Giles Peek, MD Michael McMullan, MD vs Katsuhide Maeda, MD Darryl Abrams, MD vs Bishoy Zakhary, MD Cory Alwardt, CCP, PhD vs Tim Maul, CCP, PhD Jonathan Haft, MD vs Peter Eckman, MD
9:00 - 12:00 9:00 - 9:20 9:20 - 9:30 9:30 - 9:55 9:55 - 10:20 10:20 - 10:45 10:45 - 11:10 11:10 - 11:35 11:35 - 12:00	Plenary Session - ECMO Economics and The Great Debates Whistling past the graveyard - physicians, advanced technologies, and financing healthcare Discussion and questions The Great Debates ECPR should be offered to all children for out of hospital cardiac arrest ECMO rather than Berlin Heart should be used as bridge to heart transplantation in neonates and young infants Hypoxemia on VV ECMO - hi flow VV vs medical therapy Drugs and blood products should never be administered to the ECMO circuit Distal perfusion catheter should be placed in all adult VA ECMO patients Discussion and questions	Ryan Barbaro, MD, Daniel Brodie, MD, Graeme MacLaren, MD, Alain Combes, MD, Robert Bartlett, MD, Roberto Lorusso, MD, Phil Boonstra, PhD Moderators: Matthew Paden, MD Gordon Morewood, MD Kevin Maher, MD vs Giles Peek, MD Michael McMullan, MD vs Katsuhide Maeda, MD Darryl Abrams, MD vs Bishoy Zakhary, MD Cory Alwardt, CCP, PhD vs Tim Maul, CCP, PhD Jonathan Haft, MD vs Peter Eckman, MD Giles Peek, MD, Micheal Heard, RN, Tracy Morrison,
9:00 - 12:00 9:00 - 9:20 9:20 - 9:30 9:30 - 9:55 9:55 - 10:20 10:20 - 10:45 10:45 - 11:10 11:10 - 11:35 11:35 - 12:00 12:00 - 12: 45 12:00 - 12:45	Plenary Session - ECMO Economics and The Great Debates Whistling past the graveyard - physicians, advanced technologies, and financing healthcare Discussion and questions The Great Debates ECPR should be offered to all children for out of hospital cardiac arrest ECMO rather than Berlin Heart should be used as bridge to heart transplantation in neonates and young infants Hypoxemia on VV ECMO - hi flow VV vs medical therapy Drugs and blood products should never be administered to the ECMO circuit Distal perfusion catheter should be placed in all adult VA ECMO patients Discussion and questions Award Ceremony, Exhibitors, Sponsored Talks, Labs and Poster Presentations Award Ceremony - FELSO/Centers of Excellence	Ryan Barbaro, MD, Daniel Brodie, MD, Graeme MacLaren, MD, Alain Combes, MD, Robert Bartlett, MD, Roberto Lorusso, MD, Phil Boonstra, PhD Moderators: Matthew Paden, MD Gordon Morewood, MD Kevin Maher, MD vs Giles Peek, MD Michael McMullan, MD vs Katsuhide Maeda, MD Darryl Abrams, MD vs Bishoy Zakhary, MD Cory Alwardt, CCP, PhD vs Tim Maul, CCP, PhD Jonathan Haft, MD vs Peter Eckman, MD Giles Peek, MD, Micheal Heard, RN, Tracy Morrison, RN, Barb Haney, RN
9:00 - 12:00 9:00 - 9:20 9:20 - 9:30 9:30 - 9:55 9:55 - 10:20 10:20 - 10:45 10:45 - 11:10 11:10 - 11:35 11:35 - 12:00 12:00 - 12:45 12:00 - 12:45	Late Breaking Report from The Lancet: The ELSO Registry on ECMO for COVID-19 Plenary Session - ECMO Economics and The Great Debates Whistling past the graveyard - physicians, advanced technologies, and financing healthcare Discussion and questions The Great Debates ECPR should be offered to all children for out of hospital cardiac arrest ECMO rather than Berlin Heart should be used as bridge to heart transplantation in neonates and young infants Hypoxemia on VV ECMO - hi flow VV vs medical therapy Drugs and blood products should never be administered to the ECMO circuit Distal perfusion catheter should be placed in all adult VA ECMO patients Discussion and questions Award Ceremony, Exhibitors, Sponsored Talks, Labs and Poster Presentations Award Ceremony - FELSO/Centers of Excellence Hemodynamics lab	Ryan Barbaro, MD, Daniel Brodie, MD, Graeme MacLaren, MD, Alain Combes, MD, Robert Bartlett, MD, Roberto Lorusso, MD, Phil Boonstra, PhD Moderators: Matthew Paden, MD Gordon Morewood, MD Kevin Maher, MD vs Giles Peek, MD Michael McMullan, MD vs Katsuhide Maeda, MD Darryl Abrams, MD vs Bishoy Zakhary, MD Cory Alwardt, CCP, PhD vs Tim Maul, CCP, PhD Jonathan Haft, MD vs Peter Eckman, MD Giles Peek, MD, Micheal Heard, RN, Tracy Morrison,
9:00 - 12:00 9:00 - 9:20 9:20 - 9:30 9:30 - 9:55 9:55 - 10:20 10:20 - 10:45 10:45 - 11:10 11:10 - 11:35 11:35 - 12:00 12:00 - 12:45 12:00 - 12:45 12:00 - 12:45	Late Breaking Report from The Lancet: The ELSO Registry on ECMO for COVID-19 Plenary Session - ECMO Economics and The Great Debates Whistling past the graveyard - physicians, advanced technologies, and financing healthcare Discussion and questions The Great Debates ECPR should be offered to all children for out of hospital cardiac arrest ECMO rather than Berlin Heart should be used as bridge to heart transplantation in neonates and young infants Hypoxemia on VV ECMO - hi flow VV vs medical therapy Drugs and blood products should never be administered to the ECMO circuit Distal perfusion catheter should be placed in all adult VA ECMO patients Discussion and questions Award Ceremony, Exhibitors, Sponsored Talks, Labs and Poster Presentations Award Ceremony - FELSO/Centers of Excellence Hemodynamics lab Poster presentations	Ryan Barbaro, MD, Daniel Brodie, MD, Graeme MacLaren, MD, Alain Combes, MD, Robert Bartlett, MD, Roberto Lorusso, MD, Phil Boonstra, PhD Moderators: Matthew Paden, MD Gordon Morewood, MD Kevin Maher, MD vs Giles Peek, MD Michael McMullan, MD vs Katsuhide Maeda, MD Darryl Abrams, MD vs Bishoy Zakhary, MD Cory Alwardt, CCP, PhD vs Tim Maul, CCP, PhD Jonathan Haft, MD vs Peter Eckman, MD Giles Peek, MD, Micheal Heard, RN, Tracy Morrison, RN, Barb Haney, RN Daniel Burkhoff, MD
9:00 - 12:00 9:00 - 9:20 9:20 - 9:30 9:30 - 9:55 9:55 - 10:20 10:20 - 10:45 10:45 - 11:10 11:10 - 11:35 11:35 - 12:00 12:00 - 12:45 12:00 - 12:45	Late Breaking Report from The Lancet: The ELSO Registry on ECMO for COVID-19 Plenary Session - ECMO Economics and The Great Debates Whistling past the graveyard - physicians, advanced technologies, and financing healthcare Discussion and questions The Great Debates ECPR should be offered to all children for out of hospital cardiac arrest ECMO rather than Berlin Heart should be used as bridge to heart transplantation in neonates and young infants Hypoxemia on VV ECMO - hi flow VV vs medical therapy Drugs and blood products should never be administered to the ECMO circuit Distal perfusion catheter should be placed in all adult VA ECMO patients Discussion and questions Award Ceremony, Exhibitors, Sponsored Talks, Labs and Poster Presentations Award Ceremony - FELSO/Centers of Excellence Hemodynamics lab	Ryan Barbaro, MD, Daniel Brodie, MD, Graeme MacLaren, MD, Alain Combes, MD, Robert Bartlett, MD, Roberto Lorusso, MD, Phil Boonstra, PhD Moderators: Matthew Paden, MD Gordon Morewood, MD Kevin Maher, MD vs Giles Peek, MD Michael McMullan, MD vs Katsuhide Maeda, MD Darryl Abrams, MD vs Bishoy Zakhary, MD Cory Alwardt, CCP, PhD vs Tim Maul, CCP, PhD Jonathan Haft, MD vs Peter Eckman, MD Giles Peek, MD, Micheal Heard, RN, Tracy Morrison, RN, Barb Haney, RN
9:00 - 12:00 9:00 - 9:20 9:20 - 9:30 9:30 - 9:55 9:55 - 10:20 10:20 - 10:45 10:45 - 11:10 11:10 - 11:35 11:35 - 12:00 12:00 - 12:45 12:00 - 12:45 12:00 - 12:45	Late Breaking Report from The Lancet: The ELSO Registry on ECMO for COVID-19 Plenary Session - ECMO Economics and The Great Debates Whistling past the graveyard - physicians, advanced technologies, and financing healthcare Discussion and questions The Great Debates ECPR should be offered to all children for out of hospital cardiac arrest ECMO rather than Berlin Heart should be used as bridge to heart transplantation in neonates and young infants Hypoxemia on VV ECMO - hi flow VV vs medical therapy Drugs and blood products should never be administered to the ECMO circuit Distal perfusion catheter should be placed in all adult VA ECMO patients Discussion and questions Award Ceremony, Exhibitors, Sponsored Talks, Labs and Poster Presentations Award Ceremony - FELSO/Centers of Excellence Hemodynamics lab Poster presentations	Ryan Barbaro, MD, Daniel Brodie, MD, Graeme MacLaren, MD, Alain Combes, MD, Robert Bartlett, MD, Roberto Lorusso, MD, Phil Boonstra, PhD Moderators: Matthew Paden, MD Gordon Morewood, MD Kevin Maher, MD vs Giles Peek, MD Michael McMullan, MD vs Katsuhide Maeda, MD Darryl Abrams, MD vs Bishoy Zakhary, MD Cory Alwardt, CCP, PhD vs Tim Maul, CCP, PhD Jonathan Haft, MD vs Peter Eckman, MD Giles Peek, MD, Micheal Heard, RN, Tracy Morrison, RN, Barb Haney, RN Daniel Burkhoff, MD Christian Bermudez, MD
9:00 - 12:00 9:00 - 9:20 9:20 - 9:30 9:30 - 9:55 9:55 - 10:20 10:20 - 10:45 10:45 - 11:10 11:10 - 11:35 11:35 - 12:00 12:00 - 12:45 12:00 - 12:45 12:00 - 12:45 12:00 - 12:45 12:00 - 12:45	Late Breaking Report from The Lancet: The ELSO Registry on ECMO for COVID-19 Plenary Session - ECMO Economics and The Great Debates Whistling past the graveyard - physicians, advanced technologies, and financing healthcare Discussion and questions The Great Debates ECPR should be offered to all children for out of hospital cardiac arrest ECMO rather than Berlin Heart should be used as bridge to heart transplantation in neonates and young infants Hypoxemia on VV ECMO - hi flow VV vs medical therapy Drugs and blood products should never be administered to the ECMO circuit Distal perfusion catheter should be placed in all adult VA ECMO patients Discussion and questions Award Ceremony, Exhibitors, Sponsored Talks, Labs and Poster Presentations Award Ceremony - FELSO/Centers of Excellence Hemodynamics lab Poster presentations Sponsored talk brought to you by Abiomed: LV Unloading during ECMO	Ryan Barbaro, MD, Daniel Brodie, MD, Graeme MacLaren, MD, Alain Combes, MD, Robert Bartlett, MD, Roberto Lorusso, MD, Phil Boonstra, PhD Moderators: Matthew Paden, MD Gordon Morewood, MD Kevin Maher, MD vs Giles Peek, MD Michael McMullan, MD vs Katsuhide Maeda, MD Darryl Abrams, MD vs Bishoy Zakhary, MD Cory Alwardt, CCP, PhD vs Tim Maul, CCP, PhD Jonathan Haft, MD vs Peter Eckman, MD Giles Peek, MD, Micheal Heard, RN, Tracy Morrison, RN, Barb Haney, RN Daniel Burkhoff, MD Christian Bermudez, MD

1		
12:45 - 2:00	Breakout 1: Mechanical Circulatory Support in Organ Transplantation	Moderators: Karol Mudy, MD, Mike McMullan, MD
12:45 - 1:00	Pediatric MCS - square peg in a round hole	Katsuhide Maeda, MD
1:00 - 1:15	ECMO as bridge to lung transplantation - which modality and when to think about VA	Christian Bermudez, MD
1:15 - 1:30	ECMO in heart and lung transplantation - single center experience	Yasuhiro Shudo, MD
1:30 - 1:45	ECMO in heart transplantation in adults - when to think about it?	Jaime Moriguchi, MD
1:45 - 2:00	Discussion and questions	
21.10 2.00	Discussion and questions	
12:45 - 2:00	Breakout 2: Neonatology	Moderator: Mark Ogino, MD
12:45 - 1:00	ECMO and prematurity, how young is too young?	Natalie Rintoul, MD
1:00 - 1:15	Hemolysis during neonatal ECMO - do we need to worry?	Peta Alexander, MD
1:15 - 1:30	Routine use of EEG/US monitoring in neonates on ECMO - what is the evidence	Robert DiGeronimo, MD
	, ,	·
1:30 - 1:45	Renal replacement therapies in neonates - to do or not to do?	Rachel Chapman, MD
1:45 - 2:00	Discussion and questions	
12.45 2.00	Paralle at 2. House Thire the Disad. Charles the Europiana	Mandageters Chause Coursed MAD DbD Coil Agrich MAD
12:45 - 2:00	Breakout 3: How to Thin the Blood - Sharing the Experience	Moderators: Steven Conrad, MD PhD, Gail Annich, MD
12:45 - 1:00	Anticoagulant selection and monitoring in ECMO: chaos brings opportunity	Matthew Lillyblad, PharmD
1:00 - 1:15	Heparin and aPTT - how do we do it and why?	Laurance Lequier, MD
1:15 - 1:30	Heparin and heparin levels - how do we do it and why?	Bishoy Zakhary, MD
1:30 - 1:45	Bivalirudin is the way to go!	Lakshmi Raman, MD
1:45 - 2:00	Discussion and questions	
12:45 - 2:00	Breakout 4: Simulations Dissected	Moderator: Bhavesh Patel, MD
12:45 - 12:55	Why do we even do it? How often? What kind works best?	Bhavesh Patel, MD
12:55 - 1:10	Transport sims	Jason Zimmerman, CCP
1:10 - 1:25	ECPR sims	Timothy Byrne, MD
1:25 - 1:40	Circuit emergency sims - which ones are most useful	Mary Frances Quinn, RN
1:40 - 1:50	Debriefing sims	Simmie Kalan, RN
1:50 - 2:00	Discussion and questions	
2:00 - 2:10	Exhibitors / Poster Session	
2:10 - 3:25	Breakout 1: From Bench to Bedside	Moderators: Robert Bartlett, MD, Daniel Brodie, MD
2:10 - 2:25	Porcine model of pediatric ECPR - how long is too long before devastating traumatic brain injury	
2.25 2.40		
2:25 - 2:40	Prolonged organ circulation	Jonathan Haft, MD
2:40 - 2:55	New cannula design - look into the future	Jay Zwischenberger, MD
2:40 - 2:55 2:55 - 3:10	New cannula design - look into the future ARDS Subphenotypes: Moving Closer to Precision Medicine in the ICU	
2:40 - 2:55	New cannula design - look into the future	Jay Zwischenberger, MD
2:40 - 2:55 2:55 - 3:10 3:10 - 3:25	New cannula design - look into the future ARDS Subphenotypes: Moving Closer to Precision Medicine in the ICU Discussion and questions	Jay Zwischenberger, MD Carolyn Calfee, MD
2:40 - 2:55 2:55 - 3:10	New cannula design - look into the future ARDS Subphenotypes: Moving Closer to Precision Medicine in the ICU	Jay Zwischenberger, MD Carolyn Calfee, MD Roberto Lorusso, MD, Melissa Doucette, CCP, Kiran
2:40 - 2:55 2:55 - 3:10 3:10 - 3:25	New cannula design - look into the future ARDS Subphenotypes: Moving Closer to Precision Medicine in the ICU Discussion and questions	Jay Zwischenberger, MD Carolyn Calfee, MD
2:40 - 2:55 2:55 - 3:10 3:10 - 3:25	New cannula design - look into the future ARDS Subphenotypes: Moving Closer to Precision Medicine in the ICU Discussion and questions	Jay Zwischenberger, MD Carolyn Calfee, MD Roberto Lorusso, MD, Melissa Doucette, CCP, Kiran
2:40 - 2:55 2:55 - 3:10 3:10 - 3:25	New cannula design - look into the future ARDS Subphenotypes: Moving Closer to Precision Medicine in the ICU Discussion and questions	Jay Zwischenberger, MD Carolyn Calfee, MD Roberto Lorusso, MD, Melissa Doucette, CCP, Kiran
2:40 - 2:55 2:55 - 3:10 3:10 - 3:25 2:10 - 3:25	New cannula design - look into the future ARDS Subphenotypes: Moving Closer to Precision Medicine in the ICU Discussion and questions Breakout 2: Ask the Experts - Adults Breakout 3: We Hate When They Happen but They do - ECMO Related Complications - Recognition, Management and Prognosis	Jay Zwischenberger, MD Carolyn Calfee, MD Roberto Lorusso, MD, Melissa Doucette, CCP, Kiran Shekhar, MD, Peter Eckman, MD, Moderator: Steven Conrad, MD PhD
2:40 - 2:55 2:55 - 3:10 3:10 - 3:25 2:10 - 3:25 2:10 - 3:25 2:10 - 2:25	New cannula design - look into the future ARDS Subphenotypes: Moving Closer to Precision Medicine in the ICU Discussion and questions Breakout 2: Ask the Experts - Adults Breakout 3: We Hate When They Happen but They do - ECMO Related Complications - Recognition, Management and Prognosis You got it stuck where? It's in what? Troubleshooting double lumen cannulas	Jay Zwischenberger, MD Carolyn Calfee, MD Roberto Lorusso, MD, Melissa Doucette, CCP, Kiran Shekhar, MD, Peter Eckman, MD, Moderator: Steven Conrad, MD PhD Melissa Brunsvold, MD
2:40 - 2:55 2:55 - 3:10 3:10 - 3:25 2:10 - 3:25 2:10 - 3:25 2:10 - 2:25 2:25 - 2:40	New cannula design - look into the future ARDS Subphenotypes: Moving Closer to Precision Medicine in the ICU Discussion and questions Breakout 2: Ask the Experts - Adults Breakout 3: We Hate When They Happen but They do - ECMO Related Complications - Recognition, Management and Prognosis You got it stuck where? It's in what? Troubleshooting double lumen cannulas Circuit disasters - you need to act fast!	Jay Zwischenberger, MD Carolyn Calfee, MD Roberto Lorusso, MD, Melissa Doucette, CCP, Kiran Shekhar, MD, Peter Eckman, MD, Moderator: Steven Conrad, MD PhD Melissa Brunsvold, MD Desiree Bonadonna, CCP
2:40 - 2:55 2:55 - 3:10 3:10 - 3:25 2:10 - 3:25 2:10 - 3:25 2:10 - 2:25 2:25 - 2:40 2:40 - 2:55	New cannula design - look into the future ARDS Subphenotypes: Moving Closer to Precision Medicine in the ICU Discussion and questions Breakout 2: Ask the Experts - Adults Breakout 3: We Hate When They Happen but They do - ECMO Related Complications - Recognition, Management and Prognosis You got it stuck where? It's in what? Troubleshooting double lumen cannulas Circuit disasters - you need to act fast! Bugs and ECMO - how to prevent and treat ECMO associated infections	Jay Zwischenberger, MD Carolyn Calfee, MD Roberto Lorusso, MD, Melissa Doucette, CCP, Kiran Shekhar, MD, Peter Eckman, MD, Moderator: Steven Conrad, MD PhD Melissa Brunsvold, MD Desiree Bonadonna, CCP Jenelle Badulak, MD
2:40 - 2:55 2:55 - 3:10 3:10 - 3:25 2:10 - 3:25 2:10 - 3:25 2:10 - 2:25 2:25 - 2:40 2:40 - 2:55 2:55 - 3:10	New cannula design - look into the future ARDS Subphenotypes: Moving Closer to Precision Medicine in the ICU Discussion and questions Breakout 2: Ask the Experts - Adults Breakout 3: We Hate When They Happen but They do - ECMO Related Complications - Recognition, Management and Prognosis You got it stuck where? It's in what? Troubleshooting double lumen cannulas Circuit disasters - you need to act fast! Bugs and ECMO - how to prevent and treat ECMO associated infections Catastrophic brain bleeds in children	Jay Zwischenberger, MD Carolyn Calfee, MD Roberto Lorusso, MD, Melissa Doucette, CCP, Kiran Shekhar, MD, Peter Eckman, MD, Moderator: Steven Conrad, MD PhD Melissa Brunsvold, MD Desiree Bonadonna, CCP
2:40 - 2:55 2:55 - 3:10 3:10 - 3:25 2:10 - 3:25 2:10 - 3:25 2:10 - 2:25 2:25 - 2:40 2:40 - 2:55	New cannula design - look into the future ARDS Subphenotypes: Moving Closer to Precision Medicine in the ICU Discussion and questions Breakout 2: Ask the Experts - Adults Breakout 3: We Hate When They Happen but They do - ECMO Related Complications - Recognition, Management and Prognosis You got it stuck where? It's in what? Troubleshooting double lumen cannulas Circuit disasters - you need to act fast! Bugs and ECMO - how to prevent and treat ECMO associated infections	Jay Zwischenberger, MD Carolyn Calfee, MD Roberto Lorusso, MD, Melissa Doucette, CCP, Kiran Shekhar, MD, Peter Eckman, MD, Moderator: Steven Conrad, MD PhD Melissa Brunsvold, MD Desiree Bonadonna, CCP Jenelle Badulak, MD
2:40 - 2:55 2:55 - 3:10 3:10 - 3:25 2:10 - 3:25 2:10 - 3:25 2:10 - 2:25 2:25 - 2:40 2:40 - 2:55 2:55 - 3:10 3:10 - 3:25	New cannula design - look into the future ARDS Subphenotypes: Moving Closer to Precision Medicine in the ICU Discussion and questions Breakout 2: Ask the Experts - Adults Breakout 3: We Hate When They Happen but They do - ECMO Related Complications - Recognition, Management and Prognosis You got it stuck where? It's in what? Troubleshooting double lumen cannulas Circuit disasters - you need to act fast! Bugs and ECMO - how to prevent and treat ECMO associated infections Catastrophic brain bleeds in children Discussion and questions	Jay Zwischenberger, MD Carolyn Calfee, MD Roberto Lorusso, MD, Melissa Doucette, CCP, Kiran Shekhar, MD, Peter Eckman, MD, Moderator: Steven Conrad, MD PhD Melissa Brunsvold, MD Desiree Bonadonna, CCP Jenelle Badulak, MD Shri Deshpande, MD
2:40 - 2:55 2:55 - 3:10 3:10 - 3:25 2:10 - 3:25 2:10 - 3:25 2:10 - 2:25 2:25 - 2:40 2:40 - 2:55 2:55 - 3:10 3:10 - 3:25 2:10 - 3:25	New cannula design - look into the future ARDS Subphenotypes: Moving Closer to Precision Medicine in the ICU Discussion and questions Breakout 2: Ask the Experts - Adults Breakout 3: We Hate When They Happen but They do - ECMO Related Complications - Recognition, Management and Prognosis You got it stuck where? It's in what? Troubleshooting double lumen cannulas Circuit disasters - you need to act fast! Bugs and ECMO - how to prevent and treat ECMO associated infections Catastrophic brain bleeds in children Discussion and questions Breakout 4: Different Models of ECMO Specialists and How Best to Train Them	Jay Zwischenberger, MD Carolyn Calfee, MD Roberto Lorusso, MD, Melissa Doucette, CCP, Kiran Shekhar, MD, Peter Eckman, MD, Moderator: Steven Conrad, MD PhD Melissa Brunsvold, MD Desiree Bonadonna, CCP Jenelle Badulak, MD Shri Deshpande, MD Moderator: Elizabeth Moore, MBA,RN
2:40 - 2:55 2:55 - 3:10 3:10 - 3:25 2:10 - 3:25 2:10 - 3:25 2:10 - 2:25 2:25 - 2:40 2:40 - 2:55 2:55 - 3:10 3:10 - 3:25 2:10 - 3:25 2:10 - 3:25	New cannula design - look into the future ARDS Subphenotypes: Moving Closer to Precision Medicine in the ICU Discussion and questions Breakout 2: Ask the Experts - Adults Breakout 3: We Hate When They Happen but They do - ECMO Related Complications - Recognition, Management and Prognosis You got it stuck where? It's in what? Troubleshooting double lumen cannulas Circuit disasters - you need to act fast! Bugs and ECMO - how to prevent and treat ECMO associated infections Catastrophic brain bleeds in children Discussion and questions Breakout 4: Different Models of ECMO Specialists and How Best to Train Them Perfusionists	Jay Zwischenberger, MD Carolyn Calfee, MD Roberto Lorusso, MD, Melissa Doucette, CCP, Kiran Shekhar, MD, Peter Eckman, MD, Moderator: Steven Conrad, MD PhD Melissa Brunsvold, MD Desiree Bonadonna, CCP Jenelle Badulak, MD Shri Deshpande, MD Moderator: Elizabeth Moore, MBA,RN Justin Sleasman, CCP
2:40 - 2:55 2:55 - 3:10 3:10 - 3:25 2:10 - 3:25 2:10 - 3:25 2:10 - 2:25 2:25 - 2:40 2:40 - 2:55 2:55 - 3:10 3:10 - 3:25 2:10 - 3:25 2:10 - 3:25	New cannula design - look into the future ARDS Subphenotypes: Moving Closer to Precision Medicine in the ICU Discussion and questions Breakout 2: Ask the Experts - Adults Breakout 3: We Hate When They Happen but They do - ECMO Related Complications - Recognition, Management and Prognosis You got it stuck where? It's in what? Troubleshooting double lumen cannulas Circuit disasters - you need to act fast! Bugs and ECMO - how to prevent and treat ECMO associated infections Catastrophic brain bleeds in children Discussion and questions Breakout 4: Different Models of ECMO Specialists and How Best to Train Them Perfusionists RNs	Jay Zwischenberger, MD Carolyn Calfee, MD Roberto Lorusso, MD, Melissa Doucette, CCP, Kiran Shekhar, MD, Peter Eckman, MD, Moderator: Steven Conrad, MD PhD Melissa Brunsvold, MD Desiree Bonadonna, CCP Jenelle Badulak, MD Shri Deshpande, MD Moderator: Elizabeth Moore, MBA,RN Justin Sleasman, CCP Kelly Tointon, CCP
2:40 - 2:55 2:55 - 3:10 3:10 - 3:25 2:10 - 3:25 2:10 - 3:25 2:10 - 2:25 2:25 - 2:40 2:40 - 2:55 2:55 - 3:10 3:10 - 3:25 2:10 - 3:25 2:10 - 3:25 2:10 - 3:25	New cannula design - look into the future ARDS Subphenotypes: Moving Closer to Precision Medicine in the ICU Discussion and questions Breakout 2: Ask the Experts - Adults Breakout 3: We Hate When They Happen but They do - ECMO Related Complications - Recognition, Management and Prognosis You got it stuck where? It's in what? Troubleshooting double lumen cannulas Circuit disasters - you need to act fast! Bugs and ECMO - how to prevent and treat ECMO associated infections Catastrophic brain bleeds in children Discussion and questions Breakout 4: Different Models of ECMO Specialists and How Best to Train Them Perfusionists RNS RTS	Jay Zwischenberger, MD Carolyn Calfee, MD Roberto Lorusso, MD, Melissa Doucette, CCP, Kiran Shekhar, MD, Peter Eckman, MD, Moderator: Steven Conrad, MD PhD Melissa Brunsvold, MD Desiree Bonadonna, CCP Jenelle Badulak, MD Shri Deshpande, MD Moderator: Elizabeth Moore, MBA,RN Justin Sleasman, CCP Kelly Tointon, CCP David Hebert, RRT-NPS
2:40 - 2:55 2:55 - 3:10 3:10 - 3:25 2:10 - 3:25 2:10 - 3:25 2:10 - 2:25 2:25 - 2:40 2:40 - 2:55 2:55 - 3:10 3:10 - 3:25 2:10 - 3:25 2:10 - 3:25 2:10 - 3:25 2:10 - 3:25	New cannula design - look into the future ARDS Subphenotypes: Moving Closer to Precision Medicine in the ICU Discussion and questions Breakout 2: Ask the Experts - Adults Breakout 3: We Hate When They Happen but They do - ECMO Related Complications - Recognition, Management and Prognosis You got it stuck where? It's in what? Troubleshooting double lumen cannulas Circuit disasters - you need to act fast! Bugs and ECMO - how to prevent and treat ECMO associated infections Catastrophic brain bleeds in children Discussion and questions Breakout 4: Different Models of ECMO Specialists and How Best to Train Them Perfusionists RNS RTS Debate: only perfusionists should sit ECMO	Jay Zwischenberger, MD Carolyn Calfee, MD Roberto Lorusso, MD, Melissa Doucette, CCP, Kiran Shekhar, MD, Peter Eckman, MD, Moderator: Steven Conrad, MD PhD Melissa Brunsvold, MD Desiree Bonadonna, CCP Jenelle Badulak, MD Shri Deshpande, MD Moderator: Elizabeth Moore, MBA,RN Justin Sleasman, CCP Kelly Tointon, CCP David Hebert, RRT-NPS Tim Maul, CCP, PhD vs Elizabeth Moore MBA, RN
2:40 - 2:55 2:55 - 3:10 3:10 - 3:25 2:10 - 3:25 2:10 - 3:25 2:10 - 2:25 2:25 - 2:40 2:40 - 2:55 2:55 - 3:10 3:10 - 3:25 2:10 - 3:25 2:10 - 2:20 2:20 - 2:30 2:30 - 2:40 2:40 - 3:00 3:00 - 3:10	New cannula design - look into the future ARDS Subphenotypes: Moving Closer to Precision Medicine in the ICU Discussion and questions Breakout 2: Ask the Experts - Adults Breakout 3: We Hate When They Happen but They do - ECMO Related Complications - Recognition, Management and Prognosis You got it stuck where? It's in what? Troubleshooting double lumen cannulas Circuit disasters - you need to act fast! Bugs and ECMO - how to prevent and treat ECMO associated infections Catastrophic brain bleeds in children Discussion and questions Breakout 4: Different Models of ECMO Specialists and How Best to Train Them Perfusionists RNS RTS Debate: only perfusionists should sit ECMO ELSO individual practicioner certificataion - how far from reality	Jay Zwischenberger, MD Carolyn Calfee, MD Roberto Lorusso, MD, Melissa Doucette, CCP, Kiran Shekhar, MD, Peter Eckman, MD, Moderator: Steven Conrad, MD PhD Melissa Brunsvold, MD Desiree Bonadonna, CCP Jenelle Badulak, MD Shri Deshpande, MD Moderator: Elizabeth Moore, MBA,RN Justin Sleasman, CCP Kelly Tointon, CCP David Hebert, RRT-NPS
2:40 - 2:55 2:55 - 3:10 3:10 - 3:25 2:10 - 3:25 2:10 - 3:25 2:10 - 2:25 2:25 - 2:40 2:40 - 2:55 2:55 - 3:10 3:10 - 3:25 2:10 - 3:25 2:10 - 3:25 2:10 - 3:25 2:10 - 3:25	New cannula design - look into the future ARDS Subphenotypes: Moving Closer to Precision Medicine in the ICU Discussion and questions Breakout 2: Ask the Experts - Adults Breakout 3: We Hate When They Happen but They do - ECMO Related Complications - Recognition, Management and Prognosis You got it stuck where? It's in what? Troubleshooting double lumen cannulas Circuit disasters - you need to act fast! Bugs and ECMO - how to prevent and treat ECMO associated infections Catastrophic brain bleeds in children Discussion and questions Breakout 4: Different Models of ECMO Specialists and How Best to Train Them Perfusionists RNS RTS Debate: only perfusionists should sit ECMO	Jay Zwischenberger, MD Carolyn Calfee, MD Roberto Lorusso, MD, Melissa Doucette, CCP, Kiran Shekhar, MD, Peter Eckman, MD, Moderator: Steven Conrad, MD PhD Melissa Brunsvold, MD Desiree Bonadonna, CCP Jenelle Badulak, MD Shri Deshpande, MD Moderator: Elizabeth Moore, MBA,RN Justin Sleasman, CCP Kelly Tointon, CCP David Hebert, RRT-NPS Tim Maul, CCP, PhD vs Elizabeth Moore MBA, RN
2:40 - 2:55 2:55 - 3:10 3:10 - 3:25 2:10 - 3:25 2:10 - 3:25 2:10 - 2:25 2:25 - 2:40 2:40 - 2:55 2:55 - 3:10 3:10 - 3:25 2:10 - 2:20 2:20 - 2:30 2:30 - 2:40 2:40 - 3:00 3:00 - 3:10 3:10 - 3:25	New cannula design - look into the future ARDS Subphenotypes: Moving Closer to Precision Medicine in the ICU Discussion and questions Breakout 2: Ask the Experts - Adults Breakout 3: We Hate When They Happen but They do - ECMO Related Complications - Recognition, Management and Prognosis You got it stuck where? It's in what? Troubleshooting double lumen cannulas Circuit disasters - you need to act fast! Bugs and ECMO - how to prevent and treat ECMO associated infections Catastrophic brain bleeds in children Discussion and questions Breakout 4: Different Models of ECMO Specialists and How Best to Train Them Perfusionists RNS RTS Debate: only perfusionists should sit ECMO ELSO individual practicioner certificataion - how far from reality Discussion and questions	Jay Zwischenberger, MD Carolyn Calfee, MD Roberto Lorusso, MD, Melissa Doucette, CCP, Kiran Shekhar, MD, Peter Eckman, MD, Moderator: Steven Conrad, MD PhD Melissa Brunsvold, MD Desiree Bonadonna, CCP Jenelle Badulak, MD Shri Deshpande, MD Moderator: Elizabeth Moore, MBA,RN Justin Sleasman, CCP Kelly Tointon, CCP David Hebert, RRT-NPS Tim Maul, CCP, PhD vs Elizabeth Moore MBA, RN
2:40 - 2:55 2:55 - 3:10 3:10 - 3:25 2:10 - 3:25 2:10 - 3:25 2:10 - 2:25 2:25 - 2:40 2:40 - 2:55 2:55 - 3:10 3:10 - 3:25 2:10 - 3:25 2:10 - 2:20 2:20 - 2:30 2:30 - 2:40 2:40 - 3:00 3:00 - 3:10	New cannula design - look into the future ARDS Subphenotypes: Moving Closer to Precision Medicine in the ICU Discussion and questions Breakout 2: Ask the Experts - Adults Breakout 3: We Hate When They Happen but They do - ECMO Related Complications - Recognition, Management and Prognosis You got it stuck where? It's in what? Troubleshooting double lumen cannulas Circuit disasters - you need to act fast! Bugs and ECMO - how to prevent and treat ECMO associated infections Catastrophic brain bleeds in children Discussion and questions Breakout 4: Different Models of ECMO Specialists and How Best to Train Them Perfusionists RNS RTS Debate: only perfusionists should sit ECMO ELSO individual practicioner certificataion - how far from reality	Jay Zwischenberger, MD Carolyn Calfee, MD Roberto Lorusso, MD, Melissa Doucette, CCP, Kiran Shekhar, MD, Peter Eckman, MD, Moderator: Steven Conrad, MD PhD Melissa Brunsvold, MD Desiree Bonadonna, CCP Jenelle Badulak, MD Shri Deshpande, MD Moderator: Elizabeth Moore, MBA,RN Justin Sleasman, CCP Kelly Tointon, CCP David Hebert, RRT-NPS Tim Maul, CCP, PhD vs Elizabeth Moore MBA, RN
2:40 - 2:55 2:55 - 3:10 3:10 - 3:25 2:10 - 3:25 2:10 - 3:25 2:10 - 2:25 2:25 - 2:40 2:40 - 2:55 2:55 - 3:10 3:10 - 3:25 2:10 - 2:20 2:20 - 2:30 2:30 - 2:40 2:40 - 3:00 3:00 - 3:10 3:10 - 3:25 3:25 - 3:35	New cannula design - look into the future ARDS Subphenotypes: Moving Closer to Precision Medicine in the ICU Discussion and questions Breakout 2: Ask the Experts - Adults Breakout 3: We Hate When They Happen but They do - ECMO Related Complications - Recognition, Management and Prognosis You got it stuck where? It's in what? Troubleshooting double lumen cannulas Circuit disasters - you need to act fast! Bugs and ECMO - how to prevent and treat ECMO associated infections Catastrophic brain bleeds in children Discussion and questions Breakout 4: Different Models of ECMO Specialists and How Best to Train Them Perfusionists RNS RTS Debate: only perfusionists should sit ECMO ELSO individual practicioner certificataion - how far from reality Discussion and questions Exhibitors / Poster Session	Jay Zwischenberger, MD Carolyn Calfee, MD Roberto Lorusso, MD, Melissa Doucette, CCP, Kiran Shekhar, MD, Peter Eckman, MD, Moderator: Steven Conrad, MD PhD Melissa Brunsvold, MD Desiree Bonadonna, CCP Jenelle Badulak, MD Shri Deshpande, MD Moderator: Elizabeth Moore, MBA,RN Justin Sleasman, CCP Kelly Tointon, CCP David Hebert, RRT-NPS Tim Maul, CCP, PhD vs Elizabeth Moore MBA, RN
2:40 - 2:55 2:55 - 3:10 3:10 - 3:25 2:10 - 3:25 2:10 - 3:25 2:10 - 2:25 2:25 - 2:40 2:40 - 2:55 2:55 - 3:10 3:10 - 3:25 2:10 - 3:25 2:10 - 3:25 2:10 - 3:25 2:10 - 3:25 2:10 - 3:25 2:10 - 3:25 2:10 - 3:25 3:30 - 2:40 2:40 - 3:00 3:10 - 3:25 3:25 - 3:35 3:35 - 4:05	New cannula design - look into the future ARDS Subphenotypes: Moving Closer to Precision Medicine in the ICU Discussion and questions Breakout 2: Ask the Experts - Adults Breakout 3: We Hate When They Happen but They do - ECMO Related Complications - Recognition, Management and Prognosis You got it stuck where? It's in what? Troubleshooting double lumen cannulas Circuit disasters - you need to act fast! Bugs and ECMO - how to prevent and treat ECMO associated infections Catastrophic brain bleeds in children Discussion and questions Breakout 4: Different Models of ECMO Specialists and How Best to Train Them Perfusionists RNS RTS Debate: only perfusionists should sit ECMO ELSO individual practicioner certificataion - how far from reality Discussion and questions Exhibitors / Poster Session Exhibitors/Posters/Committee Updates/Sponsored Talks	Jay Zwischenberger, MD Carolyn Calfee, MD Roberto Lorusso, MD, Melissa Doucette, CCP, Kiran Shekhar, MD, Peter Eckman, MD, Moderator: Steven Conrad, MD PhD Melissa Brunsvold, MD Desiree Bonadonna, CCP Jenelle Badulak, MD Shri Deshpande, MD Moderator: Elizabeth Moore, MBA,RN Justin Sleasman, CCP Kelly Tointon, CCP David Hebert, RRT-NPS Tim Maul, CCP, PhD vs Elizabeth Moore MBA, RN Jenelle Badulak, MD
2:40 - 2:55 2:55 - 3:10 3:10 - 3:25 2:10 - 3:25 2:10 - 3:25 2:10 - 2:25 2:25 - 2:40 2:40 - 2:55 2:55 - 3:10 3:10 - 3:25 2:10 - 2:20 2:20 - 2:30 2:30 - 2:40 2:40 - 3:00 3:00 - 3:10 3:10 - 3:25 3:25 - 3:35	New cannula design - look into the future ARDS Subphenotypes: Moving Closer to Precision Medicine in the ICU Discussion and questions Breakout 2: Ask the Experts - Adults Breakout 3: We Hate When They Happen but They do - ECMO Related Complications - Recognition, Management and Prognosis You got it stuck where? It's in what? Troubleshooting double lumen cannulas Circuit disasters - you need to act fast! Bugs and ECMO - how to prevent and treat ECMO associated infections Catastrophic brain bleeds in children Discussion and questions Breakout 4: Different Models of ECMO Specialists and How Best to Train Them Perfusionists RNS RTS Debate: only perfusionists should sit ECMO ELSO individual practicioner certificataion - how far from reality Discussion and questions Exhibitors / Poster Session	Jay Zwischenberger, MD Carolyn Calfee, MD Roberto Lorusso, MD, Melissa Doucette, CCP, Kiran Shekhar, MD, Peter Eckman, MD, Moderator: Steven Conrad, MD PhD Melissa Brunsvold, MD Desiree Bonadonna, CCP Jenelle Badulak, MD Shri Deshpande, MD Moderator: Elizabeth Moore, MBA,RN Justin Sleasman, CCP Evely Tointon, CCP David Hebert, RRT-NPS Tim Maul, CCP, PhD vs Elizabeth Moore MBA, RN Jenelle Badulak, MD Moderators: Robert Bartlett, MD, Elaine Cooley, MSN,
2:40 - 2:55 2:55 - 3:10 3:10 - 3:25 2:10 - 3:25 2:10 - 3:25 2:10 - 2:25 2:25 - 2:40 2:40 - 2:55 2:55 - 3:10 3:10 - 3:25 2:10 - 3:25 2:10 - 3:25 2:10 - 3:25 2:10 - 3:25 2:10 - 3:25 2:10 - 3:25 2:10 - 3:25 2:10 - 3:25 3:10 - 3:25 3:30 - 3:40 3:40 - 3:00 3:10 - 3:25 3:25 - 3:35 3:35 - 4:05	New cannula design - look into the future ARDS Subphenotypes: Moving Closer to Precision Medicine in the ICU Discussion and questions Breakout 2: Ask the Experts - Adults Breakout 3: We Hate When They Happen but They do - ECMO Related Complications - Recognition, Management and Prognosis You got it stuck where? It's in what? Troubleshooting double lumen cannulas Circuit disasters - you need to act fast! Bugs and ECMO - how to prevent and treat ECMO associated infections Catastrophic brain bleeds in children Discussion and questions Breakout 4: Different Models of ECMO Specialists and How Best to Train Them Perfusionists RNS RTS Debate: only perfusionists should sit ECMO ELSO individual practicioner certificataion - how far from reality Discussion and questions Exhibitors / Poster Session Exhibitors/Posters/Committee Updates/Sponsored Talks Patient and Family Experiences	Jay Zwischenberger, MD Carolyn Calfee, MD Roberto Lorusso, MD, Melissa Doucette, CCP, Kiran Shekhar, MD, Peter Eckman, MD, Moderator: Steven Conrad, MD PhD Melissa Brunsvold, MD Desiree Bonadonna, CCP Jenelle Badulak, MD Shri Deshpande, MD Moderator: Elizabeth Moore, MBA,RN Justin Sleasman, CCP Kelly Tointon, CCP David Hebert, RRT-NPS Tim Maul, CCP, PhD vs Elizabeth Moore MBA, RN Jenelle Badulak, MD
2:40 - 2:55 2:55 - 3:10 3:10 - 3:25 2:10 - 3:25 2:10 - 3:25 2:10 - 2:25 2:25 - 2:40 2:40 - 2:55 2:55 - 3:10 3:10 - 3:25 2:10 - 3:25 2:10 - 3:25 2:10 - 3:25 2:10 - 3:25 2:10 - 3:25 2:10 - 3:25 2:10 - 3:25 2:10 - 3:25 3:10 - 3:25 3:30 - 3:10 3:10 - 3:25 3:25 - 3:35 3:35 - 4:05	New cannula design - look into the future ARDS Subphenotypes: Moving Closer to Precision Medicine in the ICU Discussion and questions Breakout 2: Ask the Experts - Adults Breakout 3: We Hate When They Happen but They do - ECMO Related Complications - Recognition, Management and Prognosis You got it stuck where? It's in what? Troubleshooting double lumen cannulas Circuit disasters - you need to act fast! Bugs and ECMO - how to prevent and treat ECMO associated infections Catastrophic brain bleeds in children Discussion and questions Breakout 4: Different Models of ECMO Specialists and How Best to Train Them Perfusionists RNs RTS Debate: only perfusionists should sit ECMO ELSO individual practicioner certificataion - how far from reality Discussion and questions Exhibitors / Poster Session Exhibitors/Posters/Committee Updates/Sponsored Talks Patient and Family Experiences Esperanza Pineda: First Neonatal Patient Experience	Jay Zwischenberger, MD Carolyn Calfee, MD Roberto Lorusso, MD, Melissa Doucette, CCP, Kiran Shekhar, MD, Peter Eckman, MD, Moderator: Steven Conrad, MD PhD Melissa Brunsvold, MD Desiree Bonadonna, CCP Jenelle Badulak, MD Shri Deshpande, MD Moderator: Elizabeth Moore, MBA,RN Justin Sleasman, CCP Evely Tointon, CCP David Hebert, RRT-NPS Tim Maul, CCP, PhD vs Elizabeth Moore MBA, RN Jenelle Badulak, MD Moderators: Robert Bartlett, MD, Elaine Cooley, MSN,
2:40 - 2:55 2:55 - 3:10 3:10 - 3:25 2:10 - 3:25 2:10 - 3:25 2:10 - 2:25 2:25 - 2:40 2:40 - 2:55 2:55 - 3:10 3:10 - 3:25 2:10 - 3:25 2:10 - 3:25 2:10 - 3:25 2:10 - 3:25 2:10 - 3:25 2:10 - 3:25 2:10 - 3:25 2:10 - 3:25 3:10 - 3:25 3:30 - 3:40 3:40 - 3:00 3:10 - 3:25 3:25 - 3:35 3:35 - 4:05	New cannula design - look into the future ARDS Subphenotypes: Moving Closer to Precision Medicine in the ICU Discussion and questions Breakout 2: Ask the Experts - Adults Breakout 3: We Hate When They Happen but They do - ECMO Related Complications - Recognition, Management and Prognosis You got it stuck where? It's in what? Troubleshooting double lumen cannulas Circuit disasters - you need to act fast! Bugs and ECMO - how to prevent and treat ECMO associated infections Catastrophic brain bleeds in children Discussion and questions Breakout 4: Different Models of ECMO Specialists and How Best to Train Them Perfusionists RNS RTS Debate: only perfusionists should sit ECMO ELSO individual practicioner certificataion - how far from reality Discussion and questions Exhibitors / Poster Session Exhibitors/Posters/Committee Updates/Sponsored Talks Patient and Family Experiences Esperanza Pineda: First Neonatal Patient Experience Hannah Abraham: Neonatal Experience	Jay Zwischenberger, MD Carolyn Calfee, MD Roberto Lorusso, MD, Melissa Doucette, CCP, Kiran Shekhar, MD, Peter Eckman, MD, Moderator: Steven Conrad, MD PhD Melissa Brunsvold, MD Desiree Bonadonna, CCP Jenelle Badulak, MD Shri Deshpande, MD Moderator: Elizabeth Moore, MBA,RN Justin Sleasman, CCP David Hebert, RRT-NPS Tim Maul, CCP, PhD vs Elizabeth Moore MBA, RN Jenelle Badulak, MD Moderators: Robert Bartlett, MD, Elaine Cooley, MSN,
2:40 - 2:55 2:55 - 3:10 3:10 - 3:25 2:10 - 3:25 2:10 - 3:25 2:10 - 2:25 2:25 - 2:40 2:40 - 2:55 2:55 - 3:10 3:10 - 3:25 2:10 - 3:25 2:10 - 3:25 2:10 - 3:25 2:10 - 3:25 2:10 - 3:25 2:10 - 3:25 2:10 - 3:25 3:30 - 2:40 2:40 - 3:00 3:10 - 3:25 3:25 - 3:35 3:35 - 4:05	New cannula design - look into the future ARDS Subphenotypes: Moving Closer to Precision Medicine in the ICU Discussion and questions Breakout 2: Ask the Experts - Adults Breakout 3: We Hate When They Happen but They do - ECMO Related Complications - Recognition, Management and Prognosis You got it stuck where? It's in what? Troubleshooting double lumen cannulas Circuit disasters - you need to act fast! Bugs and ECMO - how to prevent and treat ECMO associated infections Catastrophic brain bleeds in children Discussion and questions Breakout 4: Different Models of ECMO Specialists and How Best to Train Them Perfusionists RNS RTS Debate: only perfusionists should sit ECMO ELSO individual practicioner certificataion - how far from reality Discussion and questions Exhibitors / Poster Session Exhibitors / Poster Session	Jay Zwischenberger, MD Carolyn Calfee, MD Roberto Lorusso, MD, Melissa Doucette, CCP, Kiran Shekhar, MD, Peter Eckman, MD, Moderator: Steven Conrad, MD PhD Melissa Brunsvold, MD Desiree Bonadonna, CCP Jenelle Badulak, MD Shri Deshpande, MD Moderator: Elizabeth Moore, MBA,RN Justin Sleasman, CCP Evely Tointon, CCP David Hebert, RRT-NPS Tim Maul, CCP, PhD vs Elizabeth Moore MBA, RN Jenelle Badulak, MD Moderators: Robert Bartlett, MD, Elaine Cooley, MSN,
2:40 - 2:55 2:55 - 3:10 3:10 - 3:25 2:10 - 3:25 2:10 - 3:25 2:10 - 2:25 2:25 - 2:40 2:40 - 2:55 2:55 - 3:10 3:10 - 3:25 2:10 - 3:25 2:10 - 3:25 2:10 - 3:25 2:10 - 3:25 2:10 - 3:25 2:10 - 3:25 2:10 - 3:25 3:30 - 2:40 2:40 - 3:00 3:10 - 3:25 3:25 - 3:35 3:35 - 4:05	New cannula design - look into the future ARDS Subphenotypes: Moving Closer to Precision Medicine in the ICU Discussion and questions Breakout 2: Ask the Experts - Adults Breakout 3: We Hate When They Happen but They do - ECMO Related Complications - Recognition, Management and Prognosis You got it stuck where? It's in what? Troubleshooting double lumen cannulas Circuit disasters - you need to act fast! Bugs and ECMO - how to prevent and treat ECMO associated infections Catastrophic brain bleeds in children Discussion and questions Breakout 4: Different Models of ECMO Specialists and How Best to Train Them Perfusionists RNS RTS Debate: only perfusionists should sit ECMO ELSO individual practicioner certificataion - how far from reality Discussion and questions Exhibitors / Poster Session Exhibitors/Posters/Committee Updates/Sponsored Talks Patient and Family Experiences Esperanza Pineda: First Neonatal Patient Experience Hannah Abraham: Neonatal Experience	Jay Zwischenberger, MD Carolyn Calfee, MD Roberto Lorusso, MD, Melissa Doucette, CCP, Kiran Shekhar, MD, Peter Eckman, MD, Moderator: Steven Conrad, MD PhD Melissa Brunsvold, MD Desiree Bonadonna, CCP Jenelle Badulak, MD Shri Deshpande, MD Moderator: Elizabeth Moore, MBA,RN Justin Sleasman, CCP Kelly Tointon, CCP David Hebert, RRT-NPS Tim Maul, CCP, PhD vs Elizabeth Moore MBA, RN Jenelle Badulak, MD Moderators: Robert Bartlett, MD, Elaine Cooley, MSN,

3:35 - 4:05	ELSO Registry Update	Ryan Barbaro, MD
3:35 - 4:05	ELSO Education Committee Update	Bishoy Zakhary, MD, Jenelle Badulak, MD, Elizabeth
		Moore MBA,RN
3:35 - 4:05	Sponsored talk brought to you by Medtronic: The evolution of ECMO catheters: Dual and Single	William Jakobleff, MD, Jeremiah Hayanga, MD
	Lumen designs	
3:35 - 4:05	Near term vision for ambulatory lung	Bartley Griffith, MD
4:05 - 4:15	Exhibitors / Poster Session	
4:15 - 5:30	Breakout 1: Patient Management - How to Best Approach COVID-19 Patients	Moderator: Justin Sleasman, CCP
4:15 - 4:30	Results from 150 ECMO Procedures for COVID-19 Patients	Al Stammers, MSA,PBMS,CCP Emeritus
4:30 - 4:45	The joint perfusion COVID-19 task force: A model of global collaboration	Jim Reagor, CCP
4:45 - 5:00	59 long ECMO road to recovery - challenges, frustrations and lessons learned	Ramiro Saavedra, MD, Bryan Waits RN
5:00 - 5:15	Team & Program Stress Management during COVID-19	Bridget Toy, RN
5:15 - 5:30	Discussion and questions	
4:15 - 5:30	Breakout 2: Resuscitation in Special Populations	Moderator: Karol Mudy, MD
4:15 - 4:30	REBOA in traumatic hemorrhagic shock - why, when and how?	Valerie Hart, MD
4:30 - 4:45	VV ECMO in trauma - how long to support?	David Zonies, MD
4:45 - 5:00	Unusual circuit configurations for unusual situations	Kiran Shekhar, MD
5:00 - 5:15	Unique aspects of resuscitation in pregnancy	Lisa Kirkland, MD
5:15 - 5:30	Discussion and questions	
4:15 - 5:30	Breakout 3: What's New in ELSO Guidelines	Moderator: Ravi Thiagarajan, MD
4:15 - 4:25	What is the process?	Lakshmi Raman, MD
4:25 - 4:35	ECMO transport	Ahmad Labib Shehatta, MD
4:35 - 4:45	Pediatric ECPR	Anne-Marie Guerguerian, MD
4:45 - 4:55	Neurodevelopmental follow up in children	Aparna Hoskote, MD
4:55 - 5:05	Fluid management in pediatrics	Brian Bridges, MD
5:05 - 5:15	Fluid management in adults	Kollengode Ramanathan, MD
5:15 - 5:30	Discussion and questions	
4:15 - 5:30	Breakout 4: How to Credential Physicians and is it Even Needed	Moderator: Bishoy Zakhary, MD
4:15 - 4:25	Surgeon's perspective	Karol Mudy, MD
4:25 - 4:35	Adult intensivist's perspective	Kiran Shekar, MD
4:35 - 4:45	Cardiologist's perspective	Kasia Hryniewicz, MD
4:45 - 4:55	Pediatrician's perspective	Shri Deshpande, MD
4:45 - 4:55 4:55 - 5:05	Neonatologist's perspective	Lindsay Johnston MD, MEd
	5 1 1	
5:05 - 5:15	Putting it all together	Michael McMullan, MD
5:15 - 5:30	Discussion and questions	Panel
5:30 - 5:35	Closing remarks	Matthew Paden, MD - ELSO President
3.30 - 3.33	Closing Terridins	Matthew Fauch, MD - LLSO Fleshuellt