

PROGRAM AT A GLANCE

| DAY 1 | 2023.11.02 (Thu)

ROOM	GRAND BALLROOM I (5F)	GRAND BALLROOM II (5F)	GRAND BALLROOM III (5F)	ORCHID (2F)	CHRYSANTHEMUM (2F)	ROSE (5F)
07:30-08:30	Registration					
08:30-10:00	Opening and Keynote Address					
10:00-10:30	Break & Exhibition					
10:30-12:00	Plenary Session					
12:00-12:30	Break for room partition					
12:30-13:30	Luncheon Session 1	Luncheon Session 2	Luncheon Session 3	Luncheon Session 4		
	Sponsored by Abbott Medical Korea	Sponsored by Medtronic Korea	Sponsored by TRANSONIC	Sponsored by Genewel		
13:30-14:50				A Paradigm Shift in ECPR Following the Inception and Prague Trials?	How do I do it ?	VV ECMO in Neonatal and Pediatric ECMO (Joint Session with Korean Society of Pediatric Critical Care Medicine)
14:50-15:10	Break & Exhibition					
15:10-16:30				Cardiogenic Shock: Unresolved Issues (Joint Session with Korea Cardiogenic Shock Working Group)	Specialist Session 1. ICU Monitoring and Management	Surviving Neonatal and Pediatric ECMO: Insights from Patients and Families
16:30-16:50	Break & Exhibition					
16:50-18:10				Exit Strategies in Cardiac Failure (Joint Session with Korean Society of Heart Failure Surgery)	Specialist Session 2. Safety Issue in ECMO Patients	ECMO Device: Cutting-Edge Technology
18:30~	Welcome Ceremony - Grand Intercontinental Seoul Parnas, Rose & Carnation (5F)					

DAY 2 | 2023.11.03 (Fri)

(Continued)

ROOM	GRAND BALLROOM I (5F)	GRAND BALLROOM II (5F)	GRAND BALLROOM III (5F)	ORCHID (2F)	CHRYSANTHEMUM (2F)	ROSE (5F)	CARNATION (5F)
08:00-09:00				Round-Table Discussion 1: Venovenous ECMO after Two Pandemics - Where do We Stand? (Breakfast Sponsored by Abbott Medical Korea)			
09:00-10:20				Redefining ARDS and Expanding Boundaries (Joint Session with Korean Intensive Care Study Group)	ECMO Education	Best Abstract Presentation (Competition)	
10:20-10:40					Break & Exhibition		
10:40-12:00				Unforgettable Case in My Experience	Inflammation and Coagulation	ECMO : Other Perspectives	
12:00-13:00	Luncheon Session 5 Sponsored by Getinge Medical Korea	Luncheon Session 6 Sponsored by Edwards Lifesciences	Luncheon Session 7 Sponsored by Fresenius Medical Care Korea	Luncheon Session 8 Sponsored by Nihon Kohden Korea	Luncheon Session 9 Sponsored by Intuitive Surgical Korea		
13:00-14:20				Prone Position during ECMO	Configuring ECMO Modes during Lung Transplantation		Poster Presentation 1
14:20-14:40					Break & Exhibition		
14:40-16:00				Demystifying Septic Shock	Organizing High Quality ECMO Program		Poster Presentation 2
16:00-16:20					Break & Exhibition		
16:20-17:40				Recall the COVID Pandemic: Lessons learned	Time to Set New Standards: Quality Improvement in ECMO		Oral Presentation (Non-competition)
19:00~	Gala Dinner - Floating Island Convention Center (Some Saevit)						

PROGRAM AT A GLANCE

| DAY 3 | 2023.11.04 (Sat)

ROOM	GRAND BALLROOM I (5F)	ROSE (5F)
08:00-09:00	Round-Table Discussion 2: Recent RCTs in VA-ECMO - How do we do it differently in the Future (Breakfast Sponsored by Terumo Korea)	
09:00-10:20	Postcardiotomy ECLS (Joint Session with KTCVS ECMO Study Group)	Upcoming Issues in Adult VA-ECMO
10:20-10:30	Break & Exhibition	
10:30-10:50	Award of Excellence Ceremony	
10:50-12:30	APEL SO Regional Updates	
12:30	Award & Closing Session	

DETAILED SCIENTIFIC PROGRAM

DAY 1 : November 2 (Thu)

ROOM : GRAND BALLROOM I, II, III (5F)

TIME	SESSION TITLE	
08:30-10:00	Opening and Keynote Address	Moderators: Kyung Hwan Kim (KTCVS Chief Director, Korea), John Fraser (APELSO Chair, Australia)
08:30-08:45	Opening and Welcome Address	Kiick Sung (APELSO 2023 Conference President, Korea)
08:45-09:10	Planning for future: Building systems with sustainable ECMO infrastructure	Graeme MacLaren (ELSO President, Singapore)
09:10-09:35	APELSO : Scaling newer heights and global collaborations	John Fraser (APELSO Chair, Australia)
09:35-10:00	ECMO in South Korea: Past, Present and Future	Jae Seung Jung (APELSO 2023 Conference Chair, Korea)
10:00-10:30	Break	
10:30-12:00	Plenary Session	Moderators: Gee Young Suh (Korea), Glenn Whitman (USA)
10:30-10:50	ECLS, what should future research focus on? (*Online)	Robert Bartlett (USA)
10:50-11:10	Postcardiotomy ECLS, what is the future?	Roberto Lorusso (Netherlands)
11:10-11:30	Brain MRI during ECMO support: Results from SAFE MRI ECMO study	Sung-Min Cho (USA)
11:30-11:50	Development of ECMO in Japan and prospects for the future	Shingo Ichiba (Japan)
11:50-12:00	Intermission	
12:00-12:30	Break for room partition (Grand ballroom, 5F)	
12:30-13:30	Luncheon Session 1: Sponsored by Abbott Medical Korea (Grand Ballroom I, 5F)	Moderator: Jae Seung Jung (Korea)
12:40-13:00	Reimbursement of CentriMag in Korea	Yang hyun Cho (Korea)
13:10-13:30	Clinical theory of CentriMag	Joon Hwa Hong (Korea)
12:30-13:30	Luncheon Session 2: Sponsored by Medtronic Korea (Grand Ballroom II, 5F)	Moderator: Cheong Lim (Korea)
12:30-12:35	Opening Remarks	Cheong Lim (Korea)
12:35-12:50	Avalus Valve Overview & Experience	Seung Hyun Lee (Korea)
12:50-13:05	Mosaic valve overview & experience	Jae Suk Yoo (Korea)
13:05-13:25	Q&A Discussion	All
13:25-13:30	Closing Remarks	Cheong Lim (Korea)
12:30-13:30	Luncheon Session 3: Sponsored by TRANSONIC (Grand Ballroom III, 5F)	Moderator: Seunghwan Song (Korea)
12:30-13:10	How recirculation measurement by ELSA monitor can optimize V-V ECMO treatment and indicate potential heart problem	Nikolai Krivitski (USA)
18:30~	Welcome Ceremony - Grand Intercontinental Seoul Parnas	

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DETAILED SCIENTIFIC PROGRAM

DAY 1 : November 2 (Thu)

ROOM : ORCHID (2F)

TIME	SESSION TITLE	
12:30-13:30	Luncheon Session 4: Sponsored by Genewel (Orchid, 2F) - Novel Approach of Postoperative Pain Control Using WELPASS® Gel-Form Drug Delivery Kit	Moderator: Kwahnmien Kim (Korea)
12:30-12:50	Gel-Form Poloxamer 407 Enabling Extended Release	Jae Hyun Jeon (Korea)
12:50-13:10	Clinical and Practical Application Video	Yong Won Seong (Korea)
13:30-14:50	A Paradigm Shift in ECPR Following the Inception and Prague Trials?	Moderator: Hyeon Soo Kim (Korea), Yih-Shang Chen (Taiwan)
13:30-13:45	ECPR: When to Say No	Vincent Pellegrino (Australia)
13:45-14:00	Inception trial, do we need specialized centers for ECPR?	Roberto Lorusso (Netherlands)
14:00-14:15	ED-ECMO program	Su Jin Kim (Korea)
14:15-14:30	Indication of ECPR for IHCA (Korea Experience)	Eui-Suk Chung (Korea)
14:30-14:50	Discussion	Panels: Byuk Sung Ko (Korea), Yonghun Jung (Korea), Wonho Chang (Korea)
14:50-15:10	Break	
15:10-16:30	Cardiogenic Shock: Unresolved Issues Joint Session with Korea Cardiogenic Shock Working Group	Moderators: Hyeon-Cheol Gwon (Korea), Vincent Pellegrino (Australia)
15:10-15:25	Progressive cardiogenic shock: Which device and when?	Kollengode Ramanathan (Singapore)
15:25-15:40	Optimal timing of ECMO and revascularization strategy in AMI complicated by CS	Jeong Hoon Yang (Korea)
15:40-15:55	Delivering VA ECMO within a state based ECMO Network	Vincent Pellegrino (Australia)
15:55-16:10	Unloading the Left Ventricle in Venoarterial ECMO: In Whom, When, and How?	Min-seok Kim (Korea)
16:10-16:30	Discussion	Panels: Min Chul Kim (Korea), Soo Yong Lee (Korea), Ki Hong Choi (Korea), Chul-Min Ahn (Korea)
16:30-16:50	Break	
16:50-18:10	Exit Strategies in Cardiac Failure Joint Session with Korean Society of Heart Failure Surgery	Moderators: Young-Nam Youn (Korea), Pranya Sakyalak (Thailand)
16:50-17:05	Timing the Transition: ECMO Weaning Failure and Decision to Next Step	Yih-Shang Chen (Taiwan)
17:05-17:20	Transplantation versus VAD: what is the best evidence?	Yang Hyun Cho (Korea)
17:20-17:35	ECLS Again in post-transplant or VAD	Sung-Ho Jung (Korea)
17:35-17:50	Bridge to nowhere, what can we do?	Glenn Whitman (USA)
17:50-18:10	Discussion	Panels: Ho Young Hwang (Korea), Jae Suk Yoo (Korea), Jung-Hwan Kim (Korea), Jun Sung Kim (Korea)
18:30~	Welcome Ceremony - Grand Intercontinental Seoul Parnas	

ROOM : CHRYSANTHEMUM (2F)

TIME	SESSION TITLE	
12:30-13:30	Lunch	
13:30-14:50	How do I do it ?	Moderators: Hyun-Jai Cho (Korea), Cara Agerstrand (USA)
13:30-13:50	Morbidly obese female (160 kg) for VV ECMO	Priya Nair (Australia)
13:50-14:10	Desaturation on VV ECMO: how low is too low?	Kollengode Ramanathan (Singapore)
14:10-14:30	VA ECMO in pregnancy	Cara Agerstrand (USA)
14:30-14:50	Awake ECMO	Min Ho Ju (Korea)
14:50-15:10	Break	
15:10-16:30	Specialist Session 1. ICU Monitoring and Management	Moderators: Jae Bum Kim (Korea), Sung-Min Cho (USA)
15:10-15:30	Hemodynamic monitoring and patient interaction	Dong Joong Kim (Korea)
15:30-15:50	Ventilator management and patient interaction	Bo Kim (USA)
15:50-16:10	Neurological Monitoring and Prevention of Acute Brain Injury	Sung-Min Cho (USA)
16:10-16:30	Rehabilitation in ECMO patients	Seung Tak Kang (Korea)
16:30-16:50	Break	
16:50-18:10	Specialist Session 2. Safety Issue in ECMO Patients	Moderators: Sang Hyun Lim (Korea), Sun Hee Lee (Korea)
16:50-17:05	Transport	Sung Jin Bae (Korea)
17:05-17:20	RRT in the ECMO patient	Sun Hee Lee (Korea)
17:20-17:35	Hypoxia on ECMO	Dong Ju Yoon (Korea)
17:35-17:50	Donation after Circulatory Death	Velia Antonini (Italy)
17:50-18:10	Discussion	Joo Jin Park (Korea), Su Hyun Cho (Korea), Suk Ho Lee (Korea)
18:30~	Welcome Ceremony - Grand Intercontinental Seoul Parnas	

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DETAILED SCIENTIFIC PROGRAM

DAY 1 : November 2 (Thu)

ROOM : ROSE (5F)

TIME	SESSION TITLE	
13:30-14:50	VV ECMO in Neonatal and Pediatric ECMO Joint Session with Korean Society of Pediatric Critical Care Medicine	Moderators: Won Kyoung Jhang (Korea), Mark Ogino (USA)
13:30-13:45	Pediatric ARDS: conventional treatment and ECMO	Jacqueline Ong (Singapore)
13:45-14:00	Increasing role of VV ecmo in neonates	PP Roeleveld (Netherlands)
14:00-14:15	Cannulation strategy for neonates and children	Jae Gun Kwak (Korea)
14:15-14:30	Prolonged VV ECMO: How long is too long?	Matthew Paden (USA)
14:30-14:50	Discussion	Panels: Joongbum Cho (Korea), Lakshmi Raman (USA), Eva Marwali (Indonesia), Peta Alexander (USA)
14:50-15:10	Break	
15:10-16:30	Surviving Neonatal and Pediatric ECMO: Insights from Patients and Families	Moderators: Woong-Han Kim (Korea), Gail Annich (Canada)
15:10-15:25	Cannulation strategy for Single Ventricle	Michael McMullan (USA)
15:25-15:40	Mechanical circulatory support bridging to transplant	Yu Rim Shin (Korea)
15:40-15:55	Neurologic complications and neuromonitoring of neonatal and pediatric ECMO	Lakshmi Raman (USA)
15:55-16:10	Improving ECMO survivorship	Thomas Brogan (USA)
16:10-16:30	Discussion	Panels: Grace van Leeuwen (Brazil), PP Roeleveld (Netherlands), Ryan Barbaro (USA)
16:30-16:50	Break	
16:50-18:10	ECMO Device: Cutting-Edge Technology	Moderators: Joon Hwa Hong (Korea), Steven Keller (USA)
16:50-17:10	Membrane Technology for Hemocompatible Blood Oxygenation Devices	Jeong Kim (Korea)
17:10-17:30	Bio-endothelium: Time for lateral thinking	Gail Annich (Canada)
17:30-17:50	Functional Zwitterionic Molecules for Non-thrombogenic Artificial Lungs	Sang-Ho Ye (USA)
17:50-18:10	Pulsatile ECMO: Do we need to mimic human physiology?	Yang Hyun Cho (Korea)
18:30~	Welcome Ceremony - Grand Intercontinental Seoul Parnas	

DAY 2 : November 3 (Fri)

ROOM : GRAND BALLROOM I, II, III (5F)

TIME	SESSION TITLE	
12:00-13:00	Luncheon Session 5: Sponsored by Getinge Medical Korea (Grand Ballroom I, 5F) "Is extracorporeal cardiopulmonary resuscitation effective in both IHCA and OHCA?"	Moderator: Jae Seung Jung (Korea)
12:00~12:20	ECPR- Out of Hospital Cardiac Arrest	Vincent Pellegrino (Australia)
12:20~12:40	ECPR- Intra Hospital Cardiac Arrest	Matthieu Schmidt (France)
12:40~13:00	Discussion	
12:00-13:00	Luncheon Session 6: Sponsored by Edwards Lifesciences (Grand Ballroom II, 5F) - New treatment paradigm : Standard heart valve surgery with RESILIA	Moderator: Cheong Lim (Korea), Sak Lee (Korea)
12:00~12:25	Should RESILIA Tissue be the First line treatment for AV disease patients?	Todd M. Dewey (USA)
12:25~12:50	INSPIRIS RESILIA experience in AMC and introducing new mitral valve with Resilia tissue, MITRIS RESILIA	Jae Suk Yoo (Korea)
12:50~13:00	Q&A	
12:00-13:00	Luncheon Session 7: Sponsored by Fresenius Medical Care Korea (Grand Ballroom III, 5F) - Optimizing Extracorporeal life support (ECLS) Care	Moderator: Kyung Hwan Kim (Korea)
12:00~13:00	Bloodcell trauma by modern ECMO devices: innocent bystander or killer	Thomas Müller (Germany)
19:00~	Gala Dinner - Floating Island Convention Center (Some Saevit)	

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DETAILED SCIENTIFIC PROGRAM

DAY 2 : November 3 (Fri)

ROOM : ORCHID (2F)

TIME	SESSION TITLE	
08:00-09:00	Round-Table Discussion 1: Venovenous ECMO after Two Pandemics - Where do We Stand? (Breakfast Sponsored by Abbott Medical Korea)	Moderator: Kollengode Ramanathan (Singapore)
08:00-09:00	Panel Discussion	Nicholas Barrett (UK), Su Hwan Lee (Korea), Bishoy Zakhary (USA)
09:00-10:20	Redefining ARDS and Expanding Boundaries Joint Session with Korean Intensive Care Study Group	Moderators: Woo Hyun Cho (Korea), Kollengode Ramanathan (Singapore)
09:00-09:15	Mechanical Ventilation during VV ECMO: Lessons learnt	Matthieu Schmidt (France)
09:15-09:30	RV dysfunction in ARDS despite ECMO: How to manage?	Eddy Fan (Canada)
09:30-09:45	VV ECMO weaning : Is there a right way of doing it?	Cara Agerstrand (USA)
09:45-10:00	Prolonged ECMO for ARDS: tips for success	Kyeongman Jeon (Korea)
10:00-10:20	Discussion	Panels: Sunghoon Park (Korea), Won-Young Kim (Korea), Young-Jae Cho (Korea), Bo Kim (USA)
10:20-10:40	Break	
10:40-12:00	Unforgettable Case in My Experience	Moderators: Palle Palmer (Sweden), Chi-Ryang Chung (Korea)
10:40-10:55	Prolonged ECMO	Palle Palmer (Sweden)
10:55-11:10	ECMO transport	Toshiyuki Aokage (Japan)
11:10-11:25	Rehabilitation	Chi-Ryang Chung (Korea)
11:25-12:00	Interview of ECMO survivor	Pil Sung Kang (Korea), Dong Hyun Kim (Korea), Insang Cho (Korea), Hyunmi Kim (Australia)
12:00-13:00	Luncheon Session 8: Sponsored by Nihon Kohden Korea (Orchid, 2F)	Moderators: Sang-Hyun Lim (Korea)
12:00-12:45	Predictive analytical tool that provides early warning of a patient's risk for critical events in Smart hospital	Harsh Dharwad (USA)
12:45-13:00	Q&A	
13:00-14:20	Prone Position during ECMO	Moderators: Kyeongman Jeon (Korea), Thomas Müller (Germany)
13:00-13:20	Prone Position doesn't work: Let me clarify! (cons)	Kiran Shekar (Australia)
13:20-13:40	Prone Position definitely works: Let me explain! (pros)	Bishoy Zakhary (USA)
13:40-14:00	Prone positioning during ECMO : Is it safe?	Shay Mc Guinness (New Zealand)
14:00-14:20	Prone positioning during ECMO : Korean Experience	Jinwoo Lee (Korea)
14:20-14:40	Break	
14:40-16:00	Demystifying Septic Shock	Moderators: Sunghoon Park (Korea), Graeme MacLaren (Singapore)
14:40-15:00	What is septic cardiomyopathy? an unresolved enigma	Ki Hong Choi (Korea)
15:00-15:20	Pediatric and adult septic shock: Is there a role for VA ECMO?	Graeme MacLaren (Singapore)
15:20-15:40	How to manage VAV ECMO in septic shock	Bo Kim (USA)
15:40-16:00	ECMO in Immunocompromised patients : Are we pushing the limits?	Matteo Di Nardo (Italy)
16:00-16:20	Break	
16:20-17:40	Recall the COVID Pandemic: Lessons learned	Moderators: Myoung-don OH (Korea), Nicholas Barrett (UK)
16:20-16:35	ECMO for COVID-19: evolving outcomes since 2020	Ryan Barbaro (USA)
16:35-16:50	COVID-19 and ECMO: Are Long term functional outcome good? (Korea multicenter study)	Kuk Hui Son (Korea)
16:50-17:05	Allocation of Scarce ECMO Resources in the COVID-19 pandemic	Chenglong Li (China)
17:05-17:20	Post-pandemic, New Standard : How we changed our practice?	Mark Ogino (USA)
17:20-17:40	Discussion	Panels: Jae Bum Kim (Korea), Young Sam Kim (Korea), Kollengode Ramanathan (Singapore), Matthew Paden (USA)
19:00~	Gala Dinner - Floating Island Convention Center (Some Saevit)	

ROOM : CHRYSANTHEMUM (2F)

TIME	SESSION TITLE	
09:00-10:20	ECMO Education	Moderators: Seunghwan Song (Korea), Bishoy Zakhary (USA)
09:00-09:20	Using simulation to improve an ECMO program	Hiroshi Kurosawa (Japan)
09:20-09:40	ECMO Education and APELSO	Wai Ching Sin (Hong Kong)
09:40-10:00	Global ECMO Education : Updates	Bishoy Zakhary (USA)
10:00-10:20	ECMO Education in Korea	Seunghwan Song (Korea)
10:20-10:40	Break	
10:40-12:00	Inflammation and Coagulation	Moderators: Ji-Hyuk Yang (Korea), Heidi Dalton (USA)
10:40-11:00	No anticoagulation in VA-ECMO	Heidi Dalton (USA)
11:00-11:20	Best practices for the monitoring of anticoagulation	Grace van Leeuwen (Brazil)
11:20-11:40	Pandora's Box of Oxygenators: A Look at Infection and Inflammation	Keibun Liu (Japan)
11:40-12:00	Pros and Cons : Blood purification device for ECMO patients	Ryoung-Eun Ko (Korea)
12:00-13:00	Luncheon Session 9: Sponsored by Intuitive Surgical Korea (Chrysanthemum, 2F)	Moderator: HyunKoo Kim (Korea)
12:00-12:20	Xi Lobectomy w/ Synchro Seal	Bongsoo Son (Korea)
13:00-14:20	Configuring ECMO Modes during Lung Transplantation	Moderators: Jin Gu Lee (Korea), Eddy Fan (Canada)
13:00-13:20	Peripheral VA with PA cannula: does it overcome central support?	Do Hyung Kim (Korea)
13:20-13:40	Central VA ECMO during Lung Transplant: are outcomes better?	Samina Park (Korea)
13:40-14:00	VV ECMO support during lung transplantation: Decision making and outcomes	Hisashi Oishi (Japan)
14:00-14:20	Personalized ECMO for Lung Transplant: is it feasible	Hsao-Hsun Hsu (Taiwan)
14:20-14:40	Break	
14:40-16:00	Organizing High Quality ECMO Program	Moderators: Chang-Hyu Choi (Korea), Joselito Chavez (Philippines)
14:40-15:00	Maintaining resilient ECMO team : Lessons from Pandemic	Peta Alexander (USA)
15:00-15:20	Centralization and regionalization : Does Hub and Spoke model work in Asia Pacific?	Do Wan Kim (Korea)
15:20-15:40	New ECLS program amidst the pandemic: Lessons from Asia Pacific	Eva Marwali (Indonesia)
15:40-16:00	How to setup retrieval team for ECMO?	Keiki Shimizu (Japan)
16:00-16:20	Break	
16:20-17:40	Time to Set New Standards: Quality Improvement in ECMO	Moderators: Hwa Jin Cho (Korea), Rene D. Gomez (Mexico)
16:20-16:40	ELSO registry and Quality improvement	Peter Rycus (USA)
16:40-17:00	Updates on APELSO ECMO Registry	Pauline Yeung Ng (Hong Kong), Prompak Nitayavardhana (Thailand)
17:00-17:20	EXCEL registry: Tips to learn	Priya Nair (Australia)
17:20-17:40	ELSO Universal Center Certification: How to improve quality of ECMO services?	Christine Stead (USA)
19:00~	Gala Dinner - Floating Island Convention Center (Some Saevit)	

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DETAILED SCIENTIFIC PROGRAM

DAY 2 : November 3 (Fri)

ROOM : ROSE (5F)

TIME	SESSION TITLE	
09:00-10:20	Best Abstract Presentation (Competition)	Moderators: In-Seok Jeong (Korea), Kiran Shekar (Australia)
09:00-09:10	ECMO for COVID-19 acute respiratory distress syndrome: an emulated target trial analysis	Won-Young Kim (Korea)
09:10-09:20	A Promising short-term Mechanical circulatory support (MCS) Approach to Treat Acute Heart Failure (AHF) and Cardiogenic Shock (CS): the First Chinese Clinical Trial to Assess the Efficacy and Safety of MoyoAssist® Extra-VAD System	Ping Li (China)
09:20-09:30	Early Mobilization, Pressure Injuries, and Discontinuation Disposition in Veno-venous Extracorporeal Membrane Oxygenation Therapy	Juaymah Go (USA)
09:30-09:40	Left Ventricular Systolic Unloading by the Percutaneous Counter-pulsation Pump Catheter Under Extracorporeal Membrane Oxygenation Support	Kei Sato (Japan)
09:40-09:50	Nationwide Perspective on ECMO in Hypothermia: Trends and Results	Thomas Jasny (Germany)
09:50-10:00	Impact of Obesity on Neurological Outcomes in Patients Undergoing Venoarterial Extracorporeal Membrane Oxygenation	Jin Kook Kang (USA)
10:00-10:10	Tracheostomy in patients receiving venovenous ECMO for acute respiratory failure: a systematic review and meta-analysis	Yang Lu (Singapore)
10:10-10:20	Clinical Characteristics of Neonatal and Pediatric Extracorporeal Membrane Oxygenation: A 19-year Single-Center Experience	Yoonseo Lee (Korea)
10:20-10:40	Break	
10:40-12:00	ECMO : Other Perspectives	Moderators: Moo Suk Park (Korea), Nicholas Barrett (UK)
10:40-11:00	Social media and ECMO : pros and cons	Velia Antonini (Italy)
11:00-11:20	ECCO ₂ R : whats the future?	Nicholas Barrett (UK)
11:20-11:40	Organ donation and ECMO: possibilities and problems	Thomas Müller (Germany)
11:40-12:00	ECMO in trauma patients	Erik Osborn (USA)
19:00~	Gala Dinner - Floating Island Convention Center (Some Saevit)	

ROOM : CARNATION (5F)

TIME	SESSION TITLE	
13:00-14:20	Poster Presentation 1	Moderator: Mi Hee Lim (Korea)
13:00-13:02	Ethical Decision-Making Process for ECMO Bridging to Nowhere Patients: A Single-center Retrospective Study	Takako Akimoto (Japan)
13:02-13:04	Zero Recirculation (REC) and Cardiac Output (CO) in VV ECMO Patients	Nikolai Krivitski (USA)
13:04-13:06	Safety issue on Dual-Lumen Extracorporeal Membrane Oxygenation (ECMO) Cannulation Technique Using Transthoracic Echocardiography (TTE) during COVID-19 Outbreak	Lin Huang (China)
13:06-13:08	The novel weaning strategy converted from VAV to VV ECMO by applying pump-controlled retrograde trial off	Kazuki Matsumura (Japan)
13:08-13:10	Overt disseminated intravascular coagulation and antithrombin III predict bleeding and in-hospital mortality in patients undergoing extracorporeal membrane oxygenation	Tae Wan Kim (Korea)
13:10-13:12	The usability of ECMO Support in Tracheobronchial Airway Stenting	Bong Soo Son (Korea)
13:12-13:14	Examination of Complications in Decannulation of V-A ECMO	Ryuhei Yoneda (Japan)
13:14-13:16	Long-term survival outcome and the quality of life of patients with postcardiotomy venoarterial extracorporeal membrane oxygenator	Poramin Theanpramuk (Thailand)
13:16-13:18	Right Atrium and Pulmonary artery cannulation in extracorporeal life support. A nationwide perspective: Trends and Results	Benjamin Friedrichson (Germany)
13:18-13:20	The Safety of Near-infrared Spectroscopy-Directed Selective Distal Perfusion in Patients on Venoarterial Extracorporeal Membrane Oxygenation	Seohee Joo (Korea)
13:20-13:22	Pulse Pressure as a Potential Predictive Factor for Successful Weaning in Patients Supported by Venoarterial Extracorporeal Membrane Oxygenation without Left Ventricular Venting	Jiseok Lee (Korea)
13:22-13:24	Neurological prognosis and clinical analysis under ECMO after cardiac arrest	Wu Tao (China)
13:24-13:26	Extracorporeal membrane oxygenation treatment for traumatic subaxial cervical spine injury with SLIC score	Dowan Kim (Korea)
13:26-13:28	Flow patterns through side holes of venous cannula in mock circulation loop	Dong Hoon Kang (Korea)
13:28-13:30	Efficacy of V-V ECMO in obese patients with COVID-19-related ARDS : a retrospective study at three ECMO centers in Japan	Yuichi Sato (Japan)
13:30-13:32	Long-term survival and predictors of mortality in patients with veno-arterial-venous ECMO support	Joohyung Son (Korea)
13:32-13:34	Impact of morbid obesity on ECMO supported Covid-19 patient outcomes	Agne Jankuviene (Lithuania)
13:34-13:36	The "weekend effect" in extracorporeal cardiopulmonary resuscitation	Kinam Shin (Korea)
13:36-13:38	Prolonged Veno-venous ECMO (Extracorporeal Membrane Oxygenation) in COVID-19 related ARDS	Suji Oh (Korea)
13:38-13:40	Ten-year outcomes of extracorporeal cardiopulmonary resuscitation in emergency department: A single-center experience	Ji Seong Kim (Korea)
13:40-13:42	Comparing left ventricular assist device and central extracorporeal membrane oxygenation as bridge to heart transplantation	Ilkun Park (Korea)
14:40-16:00	Poster Presentation 2	Moderator: Lim Yongwhan (Korea)
14:40-14:42	Argatroban Use in Extracorporeal membrane oxygenation (ECMO): Bleeding Complications and Risk Factors	Seungwook Lee (Korea)
14:42-14:44	Clustering analysis of viscoelastic hemostatic assays and conventional blood tests in V-V ECMO patients	Yudai Iwasaki (Japan)
14:44-14:46	Extracorporeal membrane oxygenation in acute poisoning: a systematic review and meta-analysis	Hui Xin See Tow (Singapore)
14:46-14:48	Association between hyperoxemia, survival, and neurological outcomes in ECPR patients undergoing TTM: A retrospective observational analysis of the SAVE-J II study	Tomoaki Takeda (Japan)

(Continued)

DETAILED SCIENTIFIC PROGRAM

DAY 2 : November 3 (Fri)

ROOM : CARNATION (5F)

TIME	SESSION TITLE	
14:48-14:50	Percutaneous OxyRVAD in a Patient with Severe Respiratory Failure and Right Heart Failure	Ga Young Yoo (Korea)
14:50-14:52	New Noninvasive Method To Monitor Cardiac Recovery During VA ECMO*	Nikolai Krivitski (USA)
14:52-14:54	Outcomes of Extracorporeal Membrane Oxygenation in Coronavirus 19: A Single-Center Study	Hojun Nam (Korea)
14:54-14:56	Does Targeted Temperature Management improve outcome in ECPR patients or not?	Ji Hwan Park (Korea)
14:56-14:58	Sex difference in clinical outcomes following extracorporeal cardiopulmonary resuscitation	Seung hyong Lee (Korea)
14:58-15:00	Real-world clinical outcome in patients with shock treated by veno-arterial extracorporeal membranous oxygenator in Korea	Eun-mi Kang (Korea)
15:00-15:02	Initiation of venoarterial extracorporeal life support prior to cardiac arrest: Risk factors for in-hospital mortality	Jun Ho Lee (Korea)
15:02-15:04	Veno-Pulmonary artery cannulation (V-Pa) for refractory hypoxemia in pregnant women with VV-ECMO support for SARS-CoV-2 infection	Leonardo SALAZAR (Columbia)
15:04-15:06	5-Year Single Center Experience: Peripheral Cannulation in VA-ECMO for Heart Transplantation	Kyo Seon Lee (Korea)
15:06-15:08	Comparative Evaluation of Surgical Decannulation Strategies in Patients Undergoing Femoral ECMO Insertion	Siwon Oh (Korea)
15:08-15:10	Pediatric Extracorporeal Membrane Oxygenation in Korea: A Multicenter Retrospective Study on Utilization and Outcomes Spanning over a Decade	Younga Kim (Korea)
15:10-15:12	Etiology and Outcomes of Cardiogenic Shock after Venoarterial Extracorporeal Membrane Oxygenation	Jaeyoung Choi (Korea)
15:12-15:14	Ultrasonographic Evaluation of Arterial Complications after Peripheral Venoarterial Extracorporeal Membrane Oxygenation Decannulation	Yonghoon Shin (Korea)
15:14-15:16	Novel tube surface modification with antithrombotic property: Towards improve ECMO treatment	Hyung Jun Choi (Korea)
15:16-15:18	The effect of mesenchymal stem cells and media on ECMO-induced systemic inflammatory response	Hwa Jin Cho (Korea)
15:18-15:20	High Incidence of Acute Kidney Injury in Extracorporeal Resuscitation, Leading to Poor Prognosis	Dong Gi Kim (Korea)
15:20-15:22	Unloading strategy in venoarterial extracorporeal membrane oxygenation with cardiogenic shock: Post hoc analysis of the EARLY UNLOAD Trial	Yongwhan Lim (Korea)
15:22-15:24	CHARACTERISTICS AND OUTCOMES OF CRITICALLY ILL COVID-19 PATIENTS RECEIVING EXTRACORPOREAL LIFE SUPPORT IN MILITARY HOSPITAL 175 COVID-19 TREATMENT CENTER	Nguyen Canh Chung (Vietnam)
16:20-17:40	Oral Presentation (Non-competition)	Moderator: Palle Palmer (Sweden), Sung Bum Hong (Korea)
16:20-16:30	Improving Safety During ECMO Transport by Implementing Mobile tele-ICU	Jun Hamaguchi (Japan)
16:30-16:40	The role of Pediatric ECMO in limited resource center: A retrospective review	Natakorn Harnhathya (Thailand)
16:40-16:50	Do race and gender "matter" on Extracorporeal Membrane Oxygenation (ECMO)?	Weiting Chen (USA)
16:50-17:00	Hemodynamic effect of left ventricular unloading by trans-aortic catheter venting in peripheral veno-arterial extra-corporeal membrane oxygenation for cardiogenic shock: human-sized porcine model of acute hypoxic biventricular dysfunction	Sang Yoon Kim (Korea)
17:00-17:10	Predicting Complications through the Analysis of Blood Flow and Emboli Transport Patterns in Venoarterial Extracorporeal Membrane Oxygenation	Mehrdad Khamooshi (Australia)
17:10-17:20	Clinical Profile and Treatment Outcomes of Patients with Leptospirosis and Acute Respiratory Failure Who Underwent Extracorporeal Membrane Oxygenation at the National Kidney and Transplant Institute Philippines	Joann Kathleen Garcia (Philippines)
17:20-17:30	Impact of Extracorporeal Life Support for a Refractory Out-of-Hospital Cardiac Arrest: Result from National Sudden Cardiac Arrest Survey	Wan Kee Kim (Korea)
19:00~	Gala Dinner - Floating Island Convention Center (Some Saevit)	

DAY 3 : November 4 (Sat)

ROOM : GRAND BALLROOM I (5F)

TIME	SESSION TITLE	
08:00-09:00	Round-Table Discussion 2: Recent RCTs in VA-ECMO - How do we do it differently in the Future (Breakfast Sponsored by Terumo Korea)	Moderator: Hyeon-Cheol Gwon (Korea)
08:00-09:00	Panel Discussion	Rene D. Gomez (Mexico), Roberto Lorusso (Netherlands), Vincent Pellegrino (Australia)
09:00-10:20	Postcardiotomy ECLS Joint Session with KTCVS ECMO Study Group	Moderators: Cheong Lim (Korea), Roberto Lorusso (Netherlands)
09:00-09:15	Postcardiotomy shock: How to stratify risks	Heemoon Lee (Korea)
09:15-09:30	Postcardiotomy MCS management: what are my options?	Leonardo Salazar (Columbia)
09:30-09:45	Bridge to surgery with Post-infarction mechanical complications: Is there a role for ECLS?	Roberto Lorusso (Netherlands)
09:45-10:00	Postcardiotomy ECMO and frailty: tips for success	Pranya Sakiyalak (Thailand)
10:00-10:20	Discussion	Panels: Pil-Je Kang (Korea), Sue Hyun Kim (Korea), Seok In Lee (Korea), Hee Jung Kim (Korea)
10:20-10:30	Break	
10:30-10:50	Award of Excellence Ceremony	Moderator: Christine Stead (USA), Peter Rycus (USA), Joseph Deng (USA)
10:50-12:30	APELSO Regional Updates	Moderators: Hwa Jin Cho (Korea), John Fraser (Australia)
5 min	Australia	Jacky Suen (Australia)
5 min	China	Liangshan Wang (China)
5 min	Hong Kong	Wai Ching Sin (Hong Kong)
5 min	Indonesia	Ibnu Sofa (Indonesia)
5 min	Japan	Keibun Liu (Japan)
5 min	Korea	Jae Seung Jung (Korea)
5 min	Malaysia	Suhaini Kadiman (Malaysia)
5 min	New Zealand	Shay Mc Guinness (New Zealand)
5 min	Philippines	Joselito Chavez (Philippines)
5 min	Singapore	Mathew Jose (Singapore)
5 min	Taiwan	Yih-Sharnq Chen (Taiwan)
5 min	Thailand	Pranya Sakiyalak (Thailand)
5 min	Vietnam	Nguyen Canh Chung (Vietnam), Dinh Van Hong (Vietnam)
12:30~	Award & Closing Session	

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DETAILED SCIENTIFIC PROGRAM

DAY 3 : November 4 (Sat)

ROOM : ROSE (5F)

TIME	SESSION TITLE	
09:00-10:20	Upcoming Issues in Adult VA-ECMO	Moderators: Hyun-Joong Kim (Korea), Wai Ching Sin (Hong Kong)
09:00-09:20	Dual mechanical support to optimize cardiac state during VA ECMO	Steven Keller (USA)
09:20-09:40	Optimal Cannulation Strategy in ECPR	Liangshan Wang (China)
09:40-10:00	Which option will be better after VA-ECMO for acute PTE? embolectomy versus waiting	Bum-Sung Kim (Korea)
10:00-10:20	ECPELLA: Is there lack of evidence still?	Wai Ching Sin (Hong Kong)