



**ASIA-PACIFIC ELSO
CONFERENCE 2017**
GOLD COAST, QLD • 12-14 OCT 2017

ECMO...and beyond – the future of mechanical support



FRIDAY 13 OCTOBER

Breakfast Session 0730 – 0830 **Allied Health and Nursing Breakfast** – Tea, toast and turns – pressure injury prevention for ECMO patients – sponsored by Stryker – FULL
Medical breakfast – Heart recovery with Impella – sponsored by Abiomed

Inaugural session

Moderated by: John Fraser / Kiran Shekar / Graeme MacLaren

Morning Session 1
0900 – 1030

0900 – 0905	Welcome from Conference Chair	John Fraser / Kiran Shekar
0905 – 0910	Welcome to Country	
0910 – 0920	Official opening	Hon Cameron Dick, Minister for Health and Minister for Ambulance Services
0920 – 0945	Patient stories	
0945 – 1000	History of ECMO	Robert Bartlett
1000 – 1020	Beyond ECMO: What the future holds	Daniel Brodie
1020 – 1030	ECMO In Asia Pacific: An update	Graeme MacLaren

Morning Tea, Industry Exhibition, Poster Viewing and Interactive Zone
1030 – 1100

ADULT PROGRAM 1

ADULT PROGRAM 2

ECPR: Are we over promising and under delivering?

Moderated by: Vincent Pellegrino / James Winearls / Darren Walters

#apelsoECPR

ECMO around the world: Current status and How I started my centre

Moderated by: Graeme MacLaren / Nick Barrett / Malaika Mendonca

#apelsoWORLD

Morning Session 2
1100 – 1230

1100 – 1115	ECPR – How, when, where and why	Vincent Pellegrino	1100 – 1135	5 minute pearls and pitfalls: How I started my centre	Graeme MacLaren (Singapore), Feilong Hei (China), Shingo Ichiba (Japan), Hwa Jin Cho (South Korea), Dan Mullany (Australia/New
1115 – 1130	Realism in the age of ECPR	Paul Forrest			
1130 – 1145	How to set up an ECPR service	Yih-Sharnng Chen			
1145 – 1200	Prehospital ECPR – really?	Nicolas Bréchet	1135 – 1210	<i>Debate: Is bigger always better? The size debate continues</i>	Carl Davis vs Neil Orford vs Matthieu Schmidt vs Shingo Ichiba <i>Debate Moderator: Chris Joyce</i>
1200 – 1230	<i>Debate: ECPR – Are we over promising and under delivering?</i>	Paul Forrest vs Yih-Sharnng Chen vs Nicolas Bréchet vs Peter Lai <i>Debate Moderator: Vincent Pellegrino</i>	1210 – 1230	ELSO Center of Excellence Award	Cory Ellis

Lunch, Industry Exhibition, Poster Viewing and Interactive Zone
1230 – 1400



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Afternoon Session 1 1400 – 1530	Ventilator, the forgotten V in V-VV ECMO		It doesn't start with ECMO, and it doesn't stop with ECMO (Life on ECMO and team work)		
	Moderated by: Matthieu Schmidt / Hassan Ibrahim / Kiran Shekar		Moderated by: John Fraser / Jayne Sheldrake / Oystein Tronstad		
	#apelsoVV		#apelsoLIFEON		
	1400 – 1415	VV ECMO – still a rescue therapy?	Daniel Brodie	1400 – 1440	Let's go ECMO: How to get an ECMO patient to eat, walk and engage
	1415 – 1430	Who should not get VV ECMO?	Thomas Müller	1400 – 1410:	Keeping cannulas in situ and infection free Amanda Corley
				1410 – 1425:	Advances in nutrition therapy on ECMO Suzie Ferrie
			1425 – 1440:	How to get an ECMO patient to walk and talk Anna-Liisa Sutt / Oystein Tronstad	
	1430 – 1445	Oxygenation comes with a cost	Eddy Fan	1440 – 1500	Building strong ECMO teams Zhao Ju
	1445 – 1500	How do I know the lungs are getting better?	Shay McGuiness	1500 – 1520	<i>Debate: Doctor, please let me die! Futility and when to stop.</i> Liz Crowe vs Roberto Lorusso vs Neil Orford vs Jeff Breeding vs Peter Lai
	1500 – 1530	<i>Debate: ARDS Showdown: Rest vs Recruit</i>	David Tuxen vs Danny McAuley vs Niall Ferguson <i>Debate Moderator: Daniel Brodie</i>	1520 – 1530	Group discussion <i>Debate Moderators: John Fraser/Jayne Sheldrake</i>
Afternoon Tea, Industry Exhibition, Poster Viewing and Interactive Zone 1530 – 1600					
Afternoon Session 2 1600 – 1730	Life after ECMO: Happily ever after? (What's in it beyond the smiling case reports)		Mechanical circulatory support – Engineering the next generation of devices		
	Moderated by: Carol Hodgson / Eddy Fan / Carl Davis		Moderated by: John Fraser / Michael Stevens		
	#apelsoLIFEAFter		#apelsoMCS		
	1600 – 1610	Long-term survival – is ECMO to blame?	Viktor von Bahr	1600 – 1620	The current state of MCS Uli Steinseifer
	1610 – 1630	Back to normal?	Carol Hodgson	1620 – 1635	Designing a rotary blood pump – what are they key factors? Geoff Tansley
	1630 – 1645	What are the relevant outcome measures – lessons learned from the paediatric world	Johnny Millar, Eddy Fan	1635 – 1650	It's not just a pump – A focus on the MCS system Shaun Gregory
	1645 – 1705	ECMO-nomics	Marc Ziegenfuss, Indrek Rätsep	1650 – 1705	Improving the user-device interaction with MCS Cara Wrigley
	1705 – 1730	<i>Debate: ECMO: Is it really worth it?</i>	Jayne Sheldrake, Nick Barrett vs Malaika Mendonca vs Eva Marwali <i>Debate Moderators: Carol Hodgson / Eddy Fan / Carl Davis</i>	1705 – 1730	<i>Debate: How do we promote the interaction between clinicians, engineers, and patients for the next generation of MCS and ECMO development?</i> Robert Bartlett vs John Fraser vs Uli Steinseifer vs Cara Wrigley vs Mathew Reid <i>Debate Moderators: John Fraser / Michael Stevens</i>



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SATURDAY 14 OCTOBER

Breakfast Session
0730 – 0830

ECMO Breakfast sponsored by Getinge
ECMO model initiation: A unique case mix discussion
Hosted by Dr James Winearls

PAEDIATRIC PROGRAM

ADULT PROGRAM 1

ADULT PROGRAM 2

Morning Session 1
0830 – 1000

Paediatric Inauguration and Session 1: Children are not small adults: paediatric specific ECLS delivery

#apelsoPAEDS

0830 – 0845	Inaugural Paediatric Speech: Paediatric ECLS in Asia Pacific and the world, where are we and where from here	Graeme MacLaren
0845 – 0900	The Lung: the lost black box – considerations for VV and VA ECLS	Andreas Schibler
0900 – 0915	State of the Art: Devices for Children	TBA
0915 – 0930	Update on VAD	Bennett Sheridan
0930 – 0945	Challenges on ECLS in congenital heart disease	Sarah Tabbutt
0945 – 1000	An unsolved problem: infection and inflammation on ECLS	Luregn Schlapbach

VA ECMO – imperfectly perfect

Moderated by: Hergen Buscher / David Tuxen / Nchafatso Obonyo

#apelsoVA

0830 – 0850	Not all cardiogenic shock are equal	Roberto Lorusso
0850 – 0905	VA ECMO as bridge to decision – hard decision to make?	Ichiro Takeuchi
0905 – 0925	RCTs in VA ECMO for MCS – all eggs can't be in one basket	Alain Combes
0925 – 0940	VA ECMO is a journey not a destination – getting there	Hergen Buscher
0940 – 1000	VA ECMO in sepsis – the good , bad and the ugly	Paul Forrest

ECMO beyond the ICU: There's something for everyone

Moderated by: Shinichiro Ohshimo / Mark MayBauer / Kiran Shekar

#apelsoEDECIMO

0830 – 0845	Damage control ECMO – first step in mending broken hearts	Kiran Shekar
0845 – 0910	<i>Debate: ECMO at the front door – are you kidding? (ED ECMO pro/con debate)</i>	Sean Scott vs Thomas Müller vs Niall Ferguson
0910 – 0923	Can cardiologists be trusted with ECMO? (Coz I don't think intensivists should be)	Darren Walters
0923 – 0935	Central vs. peripheral ECMO: Lets talk geography, not anatomy	Heidi Dalton
0935 – 1000	<i>Debate: ECMO: Who, why, where and when?</i>	James Winearls vs Kenneth Palmer vs Ibrahim Hassan <i>Debate Moderator: Kiran Shekar</i>

Morning Tea, Industry Exhibition, Poster Viewing and Interactive Zone

1000 – 1030

Paediatric Pro-Con Session: current challenges and controversies in paediatric ECLS

#apelsoPAEDS

1030 – 1050	Pro/Con: ECPR: can you die without ECLS in our hospital?	Sarah Tabbutt, Roberto Chilletti, TBA
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When VA ECMO falls short: Mechanical Circulatory Support beyond ECMO

Moderated by: John Fraser / Paul Forrest

#apelsoMCS

1030 – 1050	Making peripheral VA ECMO work – the fallacy of high flow VA ECMO	Matthieu Schmidt
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Best abstracts session

#apelsoRESEARCH

Chair:	Dan Mullany
Committee:	Danny McAuley, Heidi Dalton, Amanda Corley, Shaun Gregory



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Morning Session 2 1030 – 1230	1050 – 1110	Pro/Con: ECLS for septic shock (indications, cannulation, outcomes)	Roberto Chiletto, John Beca, Kenneth Palmer (Chair)	1050 – 1110	MCS: ECMO and beyond – we can't do it without the surgeons	Nicolas Bréchet	<i>VA-ECMO in Cardiopulmonary Failure Of Peripartum Patients</i> Hsun-Yi Fu , National Taiwan University Hospital, Taiwan <i>Skin Integration Around Modified Driveline Surfaces for Ventricular Assist Devices</i> Eléonore C Bolle , Critical Care Research Group and Queensland University of Technology, Australia <i>Pulmonary Computer Tomography Findings and St George Respiratory Questionnaire in Patients 3-17 Years Post Respiratory ECMO.</i> Håkan Kalzén , Karolinska University Hospital, Sweden <i>A Randomised Controlled Trial of the Safety and Feasibility of a Thromboelastometry (Tem®) Based Algorithm to Treat Bleeding Episodes in Extracorporeal Life Support (ECLS)</i> David Zhang , St Vincent's Hospital and University of New South Wales, Australia <i>Difference of Activated Partial Thromboplastin Time (APTT) between Patient and Circuit during Venous-Arterial Ecmo with Infusion of Nafamostat Mesilate</i> Hang Jea Jang , Inje University Haeundae Paik Hospital, Republic of Korea <i>Association between Survival Rates and Detailed Underlying Diseases in Patients Who Underwent ECMO: Report from the Japanese Registry of Respiratory ECMO</i> Toshiyuki Aokage , Tokyo Metropolitan Children's Medical Center, Japan <i>An International Survey of Bedside Clinical Practices Regarding Cannula and Circuit Management in Extracorporeal Membrane Oxygenation</i> Taressa Bull , Critical Care Research Group and University of Queensland, Australia <i>An Incremental Approach to Describing the Altered Pharmacokinetics of Ciprofloxacin during Extracorporeal Membrane Oxygenation</i> Hafiz Abdul-Aziz , University of Queensland Centre of Clinical Research (UQCCR), Australia
	1110 – 1130	Pro/Con: Challenging respiratory ECLS (CDH, Pneumonia, Oncology)	Graeme MacLaren, Adrian Mattke, Carl Davis (Chair)	1110 – 1130	Is there a perfect way to "vent" the heart or is a horses for courses approach best?	Vincent Pellegrino	
	1130 – 1150	Pro/Con: Anticoagulation	Peter Roeleveld, Christian Stocker, Robert Bartlett (Chair)	1130 – 1150	The role of ECMO in critical cardiac illness	David McGiffin	
	1150 – 1210	Round Table: What research questions should we ask for paediatric ECLS?	TBA, Giles Peek, Graeme MacLaren, Luregn Schlapbach, Malaika Mendonca, Heidi Dalton	1150 – 1210	Total artificial heart –reality or just a dream?	BiVACOR	



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		1210 – 1230	Rescue VA ECMO for adults with congenital heart disease	Marc Maybauer	<p><i>ECPR under Fluoroscopic Guidance Reduces Complications without Prolonging the Time before Initiation of ECMO</i> Keisuke Shimizu, Hachinohe City Hospital, Japan</p> <p><i>Retrieval of Adult Patients on Extra-Corporeal Membrane Oxygenation: The Nine-Year Experience in New South Wales, Australia.</i> Danielle Austin, St Vincent's Hospital, Australia</p> <p><i>Effect of Ex-Vivo Circulation on Mesenchymal Stem Cell in Miniaturized ECMO Circuit: A Pilot Study</i> Hwa Jin Cho, Chonnam National University Hospital, Republic of Korea</p> <p><i>Discrepancies between Autopsy Reports and Clinical Findings in Patients Who Underwent Extra-Corporeal Membrane Oxygenation.</i> Kollengode Ramaswamy Ramanathan, National University of Singapore and National University Hospital, Singapore</p> <p><i>Investigation of microcirculatory effects of extracorporeal membrane oxygenation (ECMO) in an ovine model of ARDS treated with ECMO</i> Nchafatso Obonyo, Critical Care Research Group</p> <p><i>Quality of Life and Long-Term Follow-Up Post Extracorporeal Life Support (ECLS)</i> Olivia Harley, St Vincent's Hospital and University of New South Wales, Australia</p> <p><i>Supra-Normal Oxygenation during ECMO Cardiopulmonary Resuscitation. A Retrospective Study.</i> Aidan Burrell, Alfred Hospital, South Yarra, VICK, Australia</p>
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Lunch, Industry Exhibition, Poster Viewing and Interactive Zone
1230 – 1330

Afternoon Session 1 1330 – 1500	Paediatric ECLS Service Delivery and Development and Regional Experiences: lessons learnt and and keys to success #apelsoPAEDS		Late breaking studies on ECLS: Key trials and the 5 best papers of the last year Moderated by: Daniel Brodie / John Fraser #apelsoRESEARCH		Monitoring and Imaging in ECMO – Seeing is believing Moderated by: Maximilian Malferteiner / Toshiyuki Aokage #apelsoMONITORING	
	1330 – 1345	ECLS transport for Children and Neonates Kenneth Palmer	1330 – 1345	Antibiotics in ECMO, ACTIONS to REDUCE Jason Roberts	1330 – 1350	Monitoring haemostasis – the right dose to the right patient on the right time Priya Nair
	1345 – 1400	Beyond mortality: What are the relevant quality and outcome questions for children on ECLS Johnny Millar	1345 – 1400	ECMOnet introduction and the 5 best papers of the last year Daniel Brodie	1350 – 1410	The role of echocardiography in patient selection and initiation of ECMO David Platts
	1400 – 1415	ECLS Circuit 2025 Robert Bartlett	1400 – 1415	International Centre for Research on Mechanical Support John Fraser	1410 – 1420	Monitoring microcirculation Nchafatso Obonyo



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	1415 – 1455	Regional Experiences: Lessons learnt and keys to success	Eva Marwali (Indonesia), Hwa Jin Cho (Korea), Adrian Mattke / Christian Stocker (Australia), Satoshi Nakagawa (Japan)	1415 – 1427	Will EOLIA change everything in VV ECMO?	Alain Combes	1420 – 1430	Novel monitoring techniques in ECMO	Jonathan Millar
	1427 – 1440			1427 – 1440	Is RESTing the lungs the answer?	Danny McAuley	1430 – 1440	From intra-operative VAD optimisation to the alarming VAD – the critical role of echocardiography	David Platts
	1440 – 1500			1440 – 1500	<i>Debate: Is there a role for an Asia-Pacific research collaboration?</i>	Yih-Shang Chen vs John Fraser vs Daniel Brodie <i>Debate Moderator: Graeme MacLaren</i>	1440 – 1500	Monitoring ventilation and diaphragm function during ECMO	Niall Ferguson

Afternoon Tea, Industry Exhibition, Poster Viewing and Interactive Zone

1500 – 1530

Closing session

Moderated by: John Fraser / Kiran Shekar

Afternoon Session 2 1530 – 1700	1530 – 1545	ELSO Nomenclature Initiative on ECMO cannulation	Maximilian Malfertheiner
	1545 – 1605	What I would advice my 30 year old self	Robert Bartlett / Kenneth Palmer / Roberto Lorusso
	1605 – 1625	What I hope has been achieved when I'm 65	Eddy Fan / Vincent Pellegrino
	1625 – 1700	Making the most of ECMO inflation in ASIA -> Awards and closing remarks	John Fraser