



# WORLD CONGRESS OF ECHOCARDIOGRAPHY AND ALLIED TECHNIQUES

**6-8 MAY 2022**  
ADELAIDE CONVENTION CENTRE

## Friday 6<sup>th</sup> May 2022

Time	Registration Opens 8am			
9-10:30am – session 1	<b>Welcome to country and opening plenary</b> 9:15am Welcome to country 9:15-9:30am Welcome by President of the Congress Dr Rebecca Perry 9:30-10am Echocardiography: From 50's to the Present International President of the Congress Professor Navin Nanda and 10-10:30am The changing role and future of echocardiography – Professor David Playford <i>City Rooms 2 &amp; 3</i>			
10:30-11am	<b>Morning tea</b>			
<i>Concurrent Session 2</i>	<b>POCUS</b> <i>City Rooms 2 &amp; 3</i>	<b>Basic to Advanced Echo</b> <i>City Room 1</i>	<b>Structural Heart</b> <i>City Room 4</i>	<b>Virtual stream</b> <i>Virtual session 2</i>
11am-12:30pm	<b>A focus on POCUS – part 1</b>	<b>Imaging in HFpEF</b>	<b>State of the art aortic valve</b>	<b>Valvular heart disease – part 1</b>

11-11:20am	<b>POCUS - where we are now? And where we are going?</b> Dr Patrick Feeny (Adelaide, Australia)	<b>Myocardial deformation</b> Prof Liza Thomas (NSW, Australia)	11-11:30am <b>Wet lab aortic root and valve</b> Presenter: TBA	<b>Doppler echocardiography in the evaluation of valvular regurgitation</b> Prof Julius Gardin (USA)
11:20-11:40am	<b>Get to know your machine/ machine optimisation</b> Leah Kallos (Vic, Australia)	<b>Diastolic evaluation</b> Prof Sudhir Wahi (Qld, Australia)	11:30-11:45am <b>Echo assessment of the aortic valve 101</b> A/Prof Darryl Burstow (Qld, Australia)	<b>Multi-modality imaging in valvular heart disease</b> Dr Prabash C Manoria (India)
11:40-12pm	<b>Echo Basics – parasternal window (live scanning demonstration)</b> A/Prof Sam Orde (NSW, Australia)	<b>Exercise evaluation</b> Prof Andre La Gerche (Vic, Australia)	11:45-12pm <b>Quantification of aortic stenosis:</b> Bonita Anderson (Qld, Australia)	<b>Echocardiography for prosthetic valve mismatch</b> Prof Poonam Malhotra Kapoor (India)
12-12:30pm	<b>Echo Basics – apical window (live scanning demonstration)</b> A/Prof Sam Orde (NSW, Australia)	<b>Cardiac amyloid</b> Professor Rodney Falk (USA)	12-12:15pm <b>Intraprocedural Echo for TAVR</b> Dr Kathy Lau (Qld, Australia)	12-12:15pm <b>Importance of quantification in structural heart disease</b> Prof Steven Smart (USA)
			12:15-12:30am <b>TAVR case presentation</b> Dr Kul Aggarwal (USA)	12:15-12:30pm <b>A gain independent two- dimensional method to objectively quantify aortic valve calcium and predict aortic stenosis severity</b> Prof Lee Frazin (USA)
12:30-1:30pm	<b>Lunch</b>			
<i>Concurrent Session 3</i>	<b>POCUS</b> <i>City Rooms 2 &amp; 3</i>	<b>Basic to Advanced Echo</b> <i>City Room 1</i>	<b>Structural Heart</b> <i>City Room 4</i>	<b>Virtual stream</b> <i>Virtual session 3</i>
1:30-3pm	<b>A focus on POCUS – part 2</b>	<b>Robotics and AI</b>	<b>Mitral valve – Part 1</b>	<b>Tips and tricks in 3D echocardiography - Joint Session with the International Young Academy of Cardiology (IYAC)</b>

				Chairs: Dr Geoffrey Evans (Australia) and Professor Tugba Kemaloglu (Turkey)
1:30-1:50pm	<b>Echo Basics – apical window (live scanning demonstration)</b> Anthony Wald (Vic, Australia)	<b>Artificial Intelligence in echocardiography reporting</b> Will Hewitt (NZ)	<b>Wet lab mitral valve</b> Presenter: TBA	<b>Image Acquisition and Optimisation</b> Dr Corrado Fiore (Italy)
1:50-2:10pm	<b>Bariatric scanning</b> Ruth Ramm (Qld, Australia)	<b>Machine learning for ASE standard echo measurements</b> Rolf Baumann (Germany)	<b>Mitral Echo Anatomy 101</b> Prof Greg Scalia (Qld, Australia)	<b>Cropping and Orientation</b> Dr Konstantinos Papadopoulos (Greece)
2:10-2:30pm	<b>Colour Doppler Imaging.</b> Ruth Ramm (Qld, Australia)	<b>AI guidance in clinical practice</b> Prof Partho Sengupta (USA)	<b>Quantification of mitral regurgitation</b> Bonita Anderson (Qld, Australia)	<b>How to distinguish normal and pathological structures in 3D</b> Dr Hani Mahmoud-Elsayed (Egypt)
2:30-3pm	<b>KAHOOT quiz</b> Expert panel	<b>Experience in Australia</b> Dr Angus Baumann (NT, Australia)	<b>Multidisciplinary team for mitral valve procedures</b> Prof Ross Roberts-Thomson (SA, Australia)	2:30-2:45pm <b>The incremental value of 3D in daily practice</b> Dr Abdallah Almaghraby (Egypt)
				2:45-3pm <b>3D modelling of LAA: Anatomic and percutaneous closure considerations</b> Prof Muhamed Saric (USA)
3-3:30pm	<b>Afternoon tea</b>			
<i>Concurrent Session 4</i>	<b>POCUS</b> <i>City Rooms 2 &amp; 3</i>	<b>Basic to Advanced Echo</b> <i>City Rooms 2 &amp; 3</i>	<b>Structural Heart</b> <i>City Room 4</i>	<b>Virtual stream</b> <i>Virtual session 4</i>
3:30-5pm	<b>COVID – a joint session with Basic to Advanced Echo stream</b>	<b>COVID – a joint session with POCUS stream</b>	<b>Mitral valve – Part 2</b>	<b>Cardiomyopathies and mimickers</b>
3:30-3:50pm	<b>Acute clinical presentations of COVID</b> Dr Yang Yang (Vic, Australia)		<b>Selection of secondary MR patients for edge to edge repair</b> Prof Jeroen Bax (Netherlands)	3:30-3:45pm <b>Isolated left atrial cardiomyopathy</b> Dr Jagdish Mohan (India)
3:50-4:10pm	<b>COVID in the ICU: long term stay</b> A/Prof Sam Orde (NSW, Australia)		<b>Edge to edge repair</b> Prof Maurizio Parato (Italy)	3:45-4pm <b>Computed tomography assessment of saw-tooth cardiomyopathy</b>

			Prof Nilda Espinola-Zavaleta (Mexico)
4:10-4:30pm	<b>Myocarditis post vaccine</b> Dr Ben Costello (Vic, Australia)	<b>TMVR and PBMV for MS</b> Dr Majo Joseph (SA, Australia)	4-4:15pm <b>Multimodality imaging in cardiac sarcoidosis</b> Prof Roland Brandt (Germany)
4:30-5pm	<b>My experience of COVID</b> Dr Yale Tung Chen (Madrid, Spain)	<b>Mitral case presentation</b> Prof Vratika Agarwal (USA)	4:15-4:30pm <b>Newer concepts in Recognition and diagnosis of Left Ventricular Non-Compaction Cardiomyopathy</b> Dr Amrish Agarwal (UAE)
			4:30-4:45pm <b>Chagas disease: multimodality imaging for cardiac complications diagnosis and prognosis</b> Dr Roberto Saraiva (Brazil)
			4:45-5pm <b>Cardiac amyloidosis: the power of echocardiography</b> Dr Fabiola Sozzi (Italy)
			<b>Virtual stream</b> <i>Virtual session 5</i>
5:30-7:20pm			<b>Case studies</b>
5:30-5:50pm			<b>CASE-based education from the CASE CV Imaging Journal Editor-in-Chief</b> Prof Vincent Sorrell (USA)
5:50-6:05pm			<b>Sub-valvular left ventricular aneurysm - a rare cause of severe MR</b> Dr Ashok Garg (India)
6:05-6:20pm			<b>Simultaneous Percutaneous Opening and Closing Treatment in a Young Adult with Pulmonary Valve</b>

				<b>Stenosis and Atrial Septal Defect</b> Prof Tevfik Fikret Ilgenli (Turkey)
6:20-6:35pm				<b>Interesting cases in multimodality imaging</b> Prof Madhavi Kadiyala (USA)
6:35-6:50pm				<b>Usefulness of right ventricular strain assessment in sub-massive pulmonary thromboembolism undergoing ultrasound facilitated thrombolysis</b> Dr Harvinder Dod (USA)
6:50-7:05pm				<b>Cardiac tumour causing pulmonary hypertension</b> Prof Debasish Roychoudhury (USA)
7:05-7:20pm				<b>Cardiac masses</b> Prof Kalgi Modi (USA)

## Saturday 7<sup>th</sup> May 2022

Time	Registration Opens 7:30am			
<i>Concurrent Session 5</i>	<b>POCUS</b> <i>City Rooms 2 &amp; 3</i>	<b>Basic to Advanced Echo</b> <i>City Room 1</i>	<b>Structural Heart</b> <i>City Room 4</i>	<b>Virtual stream</b> <i>Virtual session 6</i>
<i>8:30-10am</i>	<b>Assessment of ventricular function</b>	<b>Cardiac Transplant and Ventricular Assist Devices</b>	<b>Septal defects and intervention</b>	<b>Heart Failure</b>
8:30-8:50am	<b>Five Echo Diagnoses not to miss!</b> Emilie Rasheed (SA, Australia)	<b>What do we need to know from echo?</b> Presenter: TBA	<b>Embryology and anatomy</b> Prof Aarti Bhat (USA)	8:30-8:45am <b>Stereotypical echocardiographical images of patients with LV diastolic heart failure</b> Prof Hanumanth Reddy (USA)
8:50-9:10am	<b>If you build it.....Establishing UK POCUS training</b> Dr Marcus Peck (UK)	<b>Echo evaluation of VADs</b> Presenter: TBA	<b>Pre-procedure assessment of ASD/PFO</b> Prof Rakesh Gupta (India)	8:45-9am <b>Diagnosing heart failure with preserved ejection fraction – role of the echocardiogram</b> Prof Abdullah Al Shafi Majumder (Bangladesh)
9:10-9:30am	<b>VExUS- technique and clinical implications</b> Prof Phillippe Rola (Canada)	<b>Echo evaluation of transplants</b> Prof Luigi Badano (Italy)	<b>Intra-procedure ASD/PFO – evolving new devices</b> A/Prof Ajay Sinhal (SA, Australia)	9-9:15am <b>Heart failure in patients with supranormal ejection fraction (a new group)</b> Prof Sibel Enar (Turkey)
9:30-10am	<b>Contrast basics</b> Tony Forshaw (Qld, Australia)	<b>The sonographer's perspective</b> Jacinta Warburton (Vic, Australia)	<b>VSD anatomy and closure</b> Dr Patrick Disney (SA, Australia)	9:15-9:30am <b>Artificial intelligence in the echocardiographic evaluation of failing heart</b> Prof Nurgul Keser (Turkey)
				9:30-9:45am <b>Mechanical complications of acute myocardial infarction: A primer</b> Prof Kameswari Maganti (USA)

				9:45-10am <b>COVID myocarditis</b> Prof Kalpana Prakasa (USA)
10-10:30am	<b>Morning tea</b>			
<i>Concurrent Session 6</i>	<b>POCUS</b> City Rooms 2 & 3	<b>Basic to Advanced Echo</b> City Room 1	<b>Structural Heart</b> City Room 4	<b>Virtual stream</b> Virtual session 7
10:30am-12pm	<b>Imaging in the critically ill patient</b>	<b>Strain Imaging</b>	<b>Right heart and its valves</b>	<b>Congenital heart disease</b>
10:30-10:50am	<b>What the critical care consultant needs from POCUS</b> Dr Segun Olusanya (UK)	<b>LA strain and atrial assessment</b> Prof Faraz Pathan (NSW, Australia)	<b>Mild to moderate tricuspid regurgitation – perspectives from big data</b> Prof Geoff Strange (WA, Australia)	<b>When to close the adult atrial septal defect</b> Prof Serdar Kucukoglu (Turkey)
10:50-11:10am		<b>Dysynchrony and CRT</b> Prof Jens-Uwe Voigt (Belgium)	<b>Tricuspid anatomy and landmarks</b> Prof Rebecca Hahn (USA)	<b>Updates to management and follow up of patients with Bicuspid aortic valve disease</b> Prof Jyothy Puthumana (USA)
11:10-11:30am	<b>Haemodynamic support in ICU</b> Dr Yang Yang (Vic, Australia)	<b>Myocardial work</b> Prof Jonathan Chan (Qld, Australia)	<b>Intervention</b> Prof Maurizio Taramasso (Zurich)	<b>Postoperative imaging for follow-up of adults with congenital heart disease</b> Prof Reema Chugh (USA)
11:30-12pm	<b>Imaging for managing ECMO</b> Dr Trent Hartshorne (Vic, Australia)	<b>Mechanical Dispersion</b> Prof Kristina Haugaa (Norway)	<b>What the surgeon needs to know</b> Presenter: TBA	11:30-11:45am <b>New echo aspects of Tetralogy of Fallot</b> Dr Devyani Choudhury (USA)
				11:45-12pm <b>Echocardiography in complex congenital heart disease</b> Prof Bharathi Upadhy (USA)
12-1pm	<b>Lunch</b>			
<i>Concurrent Session 7</i>	<b>POCUS</b> City Rooms 2 & 3	<b>Basic to Advanced Echo</b> City Room 1	<b>Structural Heart</b> City Room 4	<b>Virtual stream</b> Virtual session 8
1-2:30pm	<b>Valvular heart disease</b>	<b>Research for sonographers</b>	<b>LA appendage and HCM</b>	<b>Valvular heart disease – part 2</b>

1-1:20pm	<b>All things metal</b> Dr John Gelman (Vic, Australia)	<b>Full time research</b> Prof Gillian Whalley (Dunedin, NZ)	<b>LAA anatomy</b> Prof Raj Janardhanan (USA)	<b>Assessment of mitral regurgitation</b> Dr Zee Pin Ding (Singapore)
1:20-1:40pm	<b>Setting up TOE in ED</b> Presenter: TBA	<b>Current research</b> Dr Leah Wright (Vic, Australia)	<b>TOE imaging pre and intra procedure</b> Prof Raj Janardhanan (USA)	<b>Infective endocarditis</b> Prof Tahir Tak (USA)
1:40-2pm	<b>Pros and cons of TOE</b> Dr Stephen Burke (SA, Australia)	<b>Current research</b> Dr Natalie Edwards (Qld, Australia)	<b>Surgical approaches to LAA and AF</b> Presenter: TBA	<b>Mitral valve prolapse: from mid systolic click to the Padua Hypothesis</b> Prof Sabino Iliceto (Italy)
2-2:30pm	<b>KAHOOT quiz</b> Expert panel	<b>Research presentations from HDR students</b>	<b>HCM – assessment and septal ablation</b> Prof Linda Gillam (USA)	2-2:15pm <b>Tips and tricks in aortic valve imaging</b> Dr Ajay Jindal (India)
				2:15-2:30pm <b>Bicuspid aortic valve: is it a syndrome?</b> Prof Galal-Eldin Elkilany (Egypt)
2:30-3pm	<b>Afternoon tea</b>			
<i>Concurrent Session 8</i>	<b>POCUS</b> <i>City Rooms 2 &amp; 3</i>	<b>Basic to Advanced Echo</b> <i>City Rooms 2 &amp; 3</i>	<b>Structural Heart</b> <i>City Room 4</i>	<b>Virtual stream</b> <i>Virtual session 9</i>
3-4:30pm	<b>Heart failure – a joint session with Basic to Advanced stream</b>	<b>Heart failure – a joint session with POCUS stream</b>	<b>Multimodality imaging in structural heart</b>	<b>Pulmonary Hypertension and the right heart</b>
3-3:20pm	<b>Readmission- a failure of decongestion</b> Dr Elizabeth Potter (Vic, Australia)		<b>Role of CT</b> Prof Christian Hamilton-Craig (Qld, Australia)	<b>Lung ultrasound in acute cardiac care</b> Dr Hatem Soliman Aboumarie (UK)
3:20-3:40pm	<b>Assessment of filling pressure</b> Presenter: TBA		<b>MRI</b> Prof Andrew Taylor (Vic, Australia)	<b>Right ventricular efficiency</b> Prof Angel Lopez-Candales (USA)
3:40-4pm	<b>Valvular heart disease in heart failure – where is the tipping point?</b> Professor Linda Gillam (USA)		<b>ICE</b> Presenter: TBA	<b>Pulmonary hypertension in echo - advanced analysis</b> Prof Jaroslaw Kasprzak (Poland)
4-4:30pm	<b>Lung ultrasound using the phased array transducer</b> Dr Kylie Baker (Qld, Australia)		<b>3D echo in structural planning</b>	<b>Exercise induced pulmonary hypertension</b>



			Distinguished Prof Navin Nanda (USA)	Prof Eduardo Bossone (Italy)
				<b>Virtual stream</b> <i>Virtual session 10</i>
5-6:30pm				<b>Stress echo and structural valvular intervention</b>
5-5:15pm				<b>The Importance of Stress/Dobutamine Echo in the management of patients with Coronary Artery Disease</b> Dr Arnold Pasia (Philippines)
5:15-5:30pm				<b>Stress echo for valvular heart disease</b> Prof Smadar Kort (USA)
5:30-5:45pm				<b>Is stress echocardiography relevant in the era of CTCA as the initial investigation for suspected CAD?</b> Prof Roxy Senior (UK)
5:45-6pm				<b>Clinical implication of low flow state for management of aortic stenosis. Is low flow state a disease or physiological variant?</b> Prof Min Pu (USA)
6-6:15pm				<b>Durability of TAVI. What we need to know</b> Prof Jose Zamorano (Spain)
6:15-6:30pm				<b>TEE for MitraClip</b> Prof Kishore Harjai (USA)

## Sunday 8<sup>th</sup> May 2022

Time	Registration Opens 7:30am			
<i>Concurrent Session 9</i>	<b>POCUS</b> City Rooms 2 & 3	<b>Basic to Advanced Echo</b> City Room 1	<b>Structural Heart</b> City Room 4	<b>Virtual stream</b> Virtual session 11
8:30-10am	<b>Echo in the field case studies - part 1</b>	<b>Valvular heart disease</b>	<b>The multidisciplinary team</b>	<b>COVID and multidisciplinary imaging</b>
8:30-8:50am	<b>Prehospital Ultrasound: Shifting the Locus of Care</b> Aidan Baron (NSW, Australia)	<b>Aortic stenosis variants – perspective from big data</b> Prof Geoffrey Strange (WA, Australia)	<b>How to build a structural team</b> Mr Jayme Bennetts, A/Prof Ajay Sinhal and Dr Majo Joseph (SA, Australia)	<b>Multiple faces of severe COVID - cardiac presentations</b> Dr Khalifa Ashmeik (USA)
8:50-9:10am	<b>Remote paediatric cardiology – Timor</b> Presenter: TBA	<b>Mitral regurgitation</b> Prof David Russell (Tas, Australia)	<b>Virtual MDT aortic</b> Prof Alan Vainrib (USA)	<b>Prospective follow-up of COVID-19 pneumonia survivors: latent left ventricular systolic dysfunction one year after discharge</b> Prof Elena Yaroslavskaya (Russia)
9:10-9:30am	<b>When your nearest cardiac sonographer is 1000km away.....</b> Dr Sandi Dawson (Thursday Island)	<b>Unrepaired mitral stenosis</b> Prof Jose Donato Magno (Philippines)	<b>Virtual MDT mitral</b> Prof Kishore Harjai (USA)	<b>Echocardiography for ECMO</b> Prof Kanchi Muralidhar (India)
9:30-10am	<b>My experience with COVID</b> Dr Rachel Liu (USA)	<b>Tricuspid regurgitation</b> Prof David Playford (WA, Australia)	<b>Paravalvular leaks</b> Prof Joseph Maalouf (USA)	<b>Scintigraphic identification of Hibernating Myocardium</b> Prof Amolak Singh (USA)
10-10:30am	<b>Morning tea</b>			
<i>Concurrent Session 10</i>	<b>POCUS</b> City Rooms 2 & 3	<b>Basic to Advanced Echo</b> City Room 1	<b>Structural Heart</b> City Room 4	<b>Virtual stream</b> Virtual session 12

10:30-12pm	<b>Echo in the field case studies – part 2</b>	<b>Cardio-oncology</b>	<b>Adventures and misadventures</b>	<b>Novel pathologies and technologies</b>
10:30-10:50am	<b>ARTICA Experience</b> A/Prof Amer Johri (Canada)	<b>Clinical challenge</b> Dr Mark Nolan (Vic, Australia)	<b>Heroic case – aortic</b> Presenter: TBA	10:30-10:45am <b>Speckle tracking echocardiography - recent developments</b> Prof Zvi Vered (Israel)
10:50-11:10am	<b>SAAS MedSTAR Retrieval</b> Stefan Mazur (SA, Australia)	<b>LV – GLS</b> Prof Tom Marwick (Vic, Australia)	<b>Mitral marvels</b> Prof Joseph Maalouf (USA)	10:45-11am <b>Clinical usefulness of left atrial strain by speckle tracking echocardiography</b> Dr Satish Parashar (India)
11:10-11:30am	<b>Paediatric Rheumatic heart disease in the NT</b> Dr Bo Remenyi (NT, Australia)	<b>LA strain</b> Prof Kazuaki Negishi (NSW, Australia)	<b>Holes, plugs and mysteries</b> Presenter: TBA	11-11:15am <b>Cardiovascular risk assessment in subjects for deployment to Antarctica</b> Prof Masood Ahmad (USA)
11:30-12pm	<b>Physiotherapist - Diagnostic Lung Ultrasound</b> Presenter: TBA	<b>CMR and tissue characterisation</b> Dr Suchi Grover (SA, Australia)	<b>Trouble, trouble, troubles.....</b> Presenter: TBA	11:15-11:30am <b>Speckle tracking imaging in cardio-oncology</b> Prof Krasimira Hristova (Bulgaria)
				11:30-11:45am <b>Usefulness of novel echocardiographic techniques in detection of subclinical diabetic cardiomyopathy</b> Prof Silvana Jovanova (Macedonia)
				11:45-12pm <b>3D printing based on cardiac imaging</b> Bernhard Mumm (Germany)
12-12:30pm	<b>Close of meeting – City Rooms 2 &amp; 3</b>			