Advanced Echo Symposium (AES 2019)

Echo Asia (AAE 2019)

Imaging Australis 2019

Scientific Program

Advanced Echo Symposium

AAE
ASIAN-PACIFIC
ASSOCIATION OF
ECHOCARDIOGRAPHY

Day 1

Friday, 24th May 2019
Brisbane Convention &
Exhibition Centre

0800 – 0830	Registration / Introduction	Mezzanine 3

0830 - 1000	Quality Assurance in Cardiac Imaging (Plenary)	Mezzanine 3
	Chairs: Sandhir Prasad & Jonathan Lindner	
0830 - 0850	What is quality and how do you measure it?	Tom Marwick (AUS)
0850 - 0910	Quality assurance in the echolab - Sonographer's perspective	Bonita Anderson (AUS)
0910 - 0930	Quality assurance in the echolab - Physician's perspective	Jae Oh (KOR)
0930 - 0950	Credentialing in echocardiography - Need of the hour	Sudhir Wahi (AUS)
0950 – 1000	Questions and comments	

1000 – 1030	Morning Tea

1030 – 1200	Novel Imaging in 2019	Mezzanine 3
	Chairs: TBA	
1030 - 1050	Vortex imaging - What are the clinical signals?	Satoshi Nakatani (JAP)
1050 - 1110	Myocardial strain – from physiology to prognosis	Erwan Donal (FRA)
1110 - 1130	Fusion imaging - Clinical tool or toy?	Mehdi Eskandari (UK)
1130 - 1150	Approved, novel and off label use of UEAs in clinical practice	Jonathan Lindner (USA)
1150 - 1210	3D printing and its role in structural heart disease	Alex Lee (HK)
1210 – 1230	Questions and comments	

1030 - 1230	Back to Basics (Echo 101)	Mezzanine 4
	Chairs: TBA	
1030 - 1055	Chamber quantification (LV/RV/Atria)	Gillian Whalley
1055 - 1120	Valvular stenosis	Michael Bartlett
1120 – 1145	Valvular regurgitation	Natalie Edwards
1145 - 1210	Basic hemodynamics in the echolab	Leah Wright
1210 - 1230	Questions and comments	

1030 - 1230		Mezzanine 2

1230 – 1330	LUNCH

1330 - 1500	Congenital Heart Disease for the General Cardiologist	Mezzanine 3
	Chairs: TBA	
1330 - 1350	Assessing function in systemic RV and single ventricles - How to do it in the absence of guidelines?	Mugur Nicolae (AUS)
1350 - 1410	Hemodynamic assessment of intra-cardiac shunts - Is echo still useful?	Darryl Burstow (AUS)
1410 – 1430	Role of stress echo in congenital heart disease	Luke Galligan (AUS)
1430 - 1450	When to intervene in congenital heart disease - Role of imaging in decision making?	Luke Burchill (AUS)
1450 - 1500	Questions and comments	

	Stress Echocardiography Refresher	Mezzanine 4
	Chairs: TBA	
1330 - 1355	Stress echo in coronary artery disease	Tony Stanton (AUS)
1355 - 1420	Diastolic stress test	Sandhir Prasad (AUS)
1420 – 1445	Stress echo in valvular heart disease	Kenya Kusunose (JAP)
1445 - 1500	Questions and comments	

1330 - 1500	Imaging Australis (I)	Mezzanine 2
	Mitral regurgitation / Aortic regurgitation (Liza Thomas) *Case-based interactive session designed to improve interpretive skills, quality assurance in imaging, and concordance in clinical reports. These sessions are targeted at the level of the Advanced Trainees in Cardiology in Australia and New Zealand.*	

1500 – 1530	Afternoon Tea

1530 - 1700	Echo in Critical Care / POCUS Update	Mezzanine 3
	Chairs: TBA	
1530 - 1550	Role of echo in ICU - Assessing hemodynamics and volume status (Clinical applications and limitations)	Robyn Moss (AUS)
1550 - 1610	Post-myocardial infarction complications - Echo to the rescue	Devan Mahadevan (AUS)
1610 – 1630	Assessing VAD and ECMO with echo	David Platts (AUS)
1630 - 1650	Sepsis and the heart	Chris Joyce (AUS)
1650 - 1700	Questions & Comments	

1530 - 1700	Beyond 2D Echo in 2019	Mezzanine 4
	Chairs: TBA	
1530 - 1550	Challenges in assessing LV diastolic function	Satoshi Nakatani (JAP)
1550 - 1610	Added value of strain in LV systolic function	Rebecca Perry (AUS)
1610 – 1630	Incorporating 3D echo into clinical practice	Kazuaki Tanabe (JAP)
1630 - 1650	Assessing Pulmonary Hypertension in the Echolab	William Vollbon (AUS)
1650 - 1700	Questions and comments	

1530 - 1700	Imaging Australis (II)	Mezzanine 2
	Aortic stenosis (Adrian Chong) *Case-based interactive session designed to improve interpretive skills, quality assurance in imaging, and concordance in clinical reports. These sessions are targeted at the level of the Advanced Trainees in Cardiology in Australia and New Zealand.*	

0900 - 1030	Read With the Experts (Panelists + Moderator)	Mezzanine 3
	Moderators: Dominic Leung and Arun Dahiya **Panelists:** Jae Oh, David Prior, Erwan Donal, Jonathan Lindner, Tom Marwick, Bonita Anderson, Liza Thomas	

0900 - 1030	Computer Based Workshop (GE)	Mezzanine 4
	Myocardial Strain Imaging (Kaz Negishi & Tony Stanton) *Computer workstation-based interactive session designed to provide hands-on experience with strain analysis for both novice and advanced users.* *Workshop attendance is included in the conference registration. However places are strictly limited to 25–30 delegates per session due to the number of workstations available. Please plan ahead and nominate your preferred workshops sessions at the time of registration.*	

0900 - 1030		Mezzanine 2

0900 - 1030	Computer Based Workshop (Philips)	Mezzanine 1
	Working with 3D datasets *Computer workstation-based interactive session designed to teach both basic 3D measurements and advanced manipulations of 3D datasets.* *Workshop attendance is included in the conference registration. However, places are strictly limited to 25–30 delegates per session due to the number of workstations available. Please plan ahead and nominate your preferred workshops sessions at the time of registration.*	

1030 – 1100	Morning Tea	

1100 – 1230	Myocardial structure and function	Mezzanine 3
	Chairs: TBA	
1100 - 1120	Latent myocardial dysfunction - Imaging to screen or treat (or not to treat)?	Goo-Yeong Cho (KOR)
1120 - 1140	Left ventricular Hypertrophy - differentiating the good, bad and ugly by imaging.	Kevin Kam (HK)
1140 - 1200	Straining the atria - what does it mean?	Liza Thomas (AUS)
1200 - 1220	Cardiotoxicity of Chemotherapeutic agents - how to assess and how to manage?	Kaz Negishi (AUS)
1220 – 1230	Questions and Comments	

1100 - 1230	Contrast Echo update	Mezzanine 4
	Chairs: TBA	
1100 - 1120	The saline 'Bubble Study' - How to do it right and what does it mean?	Kate Marriott (AUS)
1120 - 1140	The 'nuts and bolts' of using Ultrasonic Enhancing Agents (UEAs)	Anthony Forshaw (AUS)
1140 - 1220	Contrast perfusion muscle and masses	David Platts (AUS)
1220 – 1230	Questions and Comments	

1100 - 1230	Imaging Australis (III)	Mezzanine 2

Cardiac CT (TAVR/Structural Heart disease) (Dr Ken Soon)

Computer workstation-based interactive session designed to teach both basic and advanced manipulations of Cardiac CT datasets in assessment of TAVR.

Workshop attendance is included in the conference registration. However places are strictly limited to 25–30 delegates per session due to the number of workstations available. Please plan ahead and nominate your preferred workshops sessions at the time of registration.

0900 - 1030	Computer Based Workshop (TOMTEC)	Mezzanine 1

RV Function / STE / 3D (Rebecca Perry & TM)

Computer workstation-based interactive session designed to provide hands-on experience with the TOMTEC-ARENA advanced analysis applications.

Workshop attendance is included in the conference registration. However places are strictly limited to 25–30 delegates per session due to the number of workstations available. Please plan ahead and nominate your preferred workshops sessions at the time of registration.

1230 – 1330	LUNCH

1330 - 1500	From Right-to-Left	Mezzanine 3
	Chairs: TBA	
1330 - 1350	Assessing right heart function by echo	Andre Le Gerche (AUS)
1350 - 1410	Echo as substitute for right heart catheterization in the assessment of pulmonary hemodynamics	David Prior (AUS)
1410 – 1430	Imaging in ARVC - Echo and MRI	Arun Dahiya (AUS)
1430 - 1450	Infiltrative myocardial diseases - Which imaging modality and when - Echo/CT/MRI?	James Hare (AUS)
1450 - 1500	Questions and comments	

1330 - 1500	Valvular Heart Disease	Mezzanine 4
	Chairs: TBA	
1330 - 1350	Functional mitral regurgitation - How to assess and when to treat?	Ling Lieng Hsi (SIN)
1350 - 1410	Echo assessment of rheumatic and degenerative mitral stenosis	Manish Bansal (IND)
1410 - 1430	Multi-modality imaging of LV remodelling in aortic stenosis	Calvin Chin (SIN)
1430 – 1450	Practical approach to assessing prosthetic valves	Kazuaki Tanabe (JAP)
1450 - 1500	Questions and Comments	

1330 - 1500	Imaging Australis (IV)	Mezzanine 2

Cardiac MR (Dr James Hare)

Computer workstation-based interactive session designed to teach both basic and advanced manipulations of Cardiac CT datasets in assessment of TAVR.

Workshop attendance is included in the conference registration. However places are strictly limited to 25–30 delegates per session due to the number of workstations available. Please plan ahead and nominate your preferred workshops sessions at the time of registration.

1500 – 1530	Afternoon Tea

1530 - 1700	Joint AAE / EACVI / ASE / CSANZ Imaging Council	Mezzanine 3
	The future of Echocardiography in the next decade – It's promise and it's challenges	
	Chairs: Sudhir Wahi & Tom Marwick	
1530 - 1550	AAE – Remote Echo and handheld devices	Manish Bansal (IND)
1550 - 1610	EACVI – AI and Machine learning	Erwan Donal (FRA)
1610 – 1630	ASE – Echo Contrast holds the key	Jonathan Lindner (USA)
1630 - 1650	CSANZ – Pivotal role of imaging in structural interventions	Greg Scalia (AUS)
1650 - 1700	Questions and comments	

1530 - 1700		Mezzanine 2

1530 - 1700	Sonographers Update	Mezzanine 4
	Chairs: TBA	
1530 - 1550	Guideline update on assessing aortic stenosis	Bonita Anderson (AUS)
1550 - 1610	When and how to quantify mitral regurgitation	Sheree Napier (AUS)
1610 – 1630	Tips for assessing mixed valvular disease	Arun Dahiya (AUS)
1630 - 1650	Practical approach to imaging Congenital Heart disease	Dominic Leung (AUS)
1650 - 1700	Questions and comments	

Day 3

Sunday, 26th May 2019
Brisbane Convention &
Exhibition Centre

0900 – 1030	Structural Heart Disease	Mezzanine 3
	Chairs:	
0900 - 0920	Pre-, intra-, and post-TAVR echocardiography - What the interventionalist needs to know?	Adrian Chong (AUS)
0920 - 0940	Role of Imaging in percutaneous interventions for ASD / VSD / PDA	Alex Lee (HK)
0940 - 1000	Current and future percutaneous mitral valve interventions	Mehdi Eskandari (UK)
1000 - 1020	Tricuspid valve interventions – When and how?	Masashi Ura (AUS)
1020 – 1030	Questions and comments	

0900 - 1030	Computer Based Workshop (GE)	Mezzanine 4
	Working with 3D datasets	
	Computer workstation-based interactive session designed to provide hands-on experience with strain analysis for both novice and advanced users.	
	Workshop attendance is included in the conference registration. However places are strictly limited to 25–30 delegates per session due to the number of workstations available. Please plan ahead and nominate your preferred workshops sessions at the time of registration.	

0900 - 1030	Imaging Australis (V)	Mezzanine 2
	Cardiac CT (CTCA) (Dr Arun Dahiya)	
	Case-based interactive session designed to improve interpretive skills, quality assurance in imaging, and concordance in clinical reports. These sessions are targeted at the level of the Advanced Trainees in Cardiology in Australia and New Zealand.	

0900 - 1030	Computer Based Workshop (Philips)	Mezzanine 1
	Myocardial Strain Imaging	
	Computer workstation-based interactive session designed to teach both basic 3D measurements and advanced manipulations of 3D datasets.	
	Workshop attendance is included in the conference registration. However, places are strictly limited to 25–30 delegates per session due to the number of workstations available. Please plan ahead and nominate your preferred workshops sessions at the time of registration.	

1030 – 1100	Morning Tea

1100 – 1300	AAE Plenary session	Mezzanine 3
	Chairs:	
1100 - 1130	**State-of-the-art lecture** - Echocardiography as the Gold Standard for Cardiac Function and Hemodynamics	Jae Oh (KOR)
1130 - 1155	Role of Stress Echo in Heart Failure	Kenya Kusunose (JPN)
1155 - 1220	Echocardiographic assessment of constrictive versus restrictive heart disease: a case-based approach	Allen Luis (USA)
1220 - 1245	Cardiac CT Beyond anatomy – functional assessment with CT perfusion	Arnold Ng (AUS)
1245 – 1300	**Concluding remarks and vote of thanks**	