

International faculty

Bansal, Manish	Cardiologist, Apollo Heart Centre, New Delhi, India
Doughty, Rob	Director of Cardiovascular Ultrasound, University of Auckland, NZ
Hsi, Ling Lieng	Cardiologist, National University Hospital, Singapore
Jara, Raul	Director of Echocardiography, Philippines
Kasliwal, Ravi	Director of Cardiology, Apollo Heart Centre, New Delhi, India
Nakatani, Satoshi	Osaka University Graduate School of Medicine, Osaka, Japan
Narula, Jagat	Director of Cardiology, University of California, Irvine, USA
Oh, Jae	Co-Director of Echocardiography, Mayo Clinic, USA
Rahal Yusoff	Cardiologist, Institut Jantung Negara, Kuala Lumpur, Malaysia
Shah, Pravin	Medical Director, Hoag Heart Valve Center, Newport Beach, CA, USA
Song, Jae-Kwan	Head of Echo, Asan Medical Center, Seoul, Korea
Tei, Chuwa	Director of Cardiology, Kagoshima, Japan
Theile, Karl	Senior engineer, Philips Medical Systems, Andover, MA, USA
Troughton, Richard	Cardiologist, Christchurch Hospital, NZ
Wang, Hao	Director of Echo, Fu Wei Hospital, Beijing
Whalley, Gillian	Director of Cardiovascular Ultrasound, University of Auckland, NZ
Yu, CM	Director of Cardiology, Prince of Wales Hospital, Chinese Univ of Hong Kong

Australian faculty

Abhayaratna, Walter	Cardiologist, Australian National University, Canberra
Anderson, Bonita	School of Physical and Chemical Sciences, QUT, Brisbane
Atherton, John	Director of Cardiology, RBH, Brisbane
Burstow, Darryl	Director of Echo, Prince Charles Hospital, Brisbane
Cain, Peter	Cardiologist, Wesley Hospital, Brisbane
Feneley, Michael	Director of Cardiology, St Vincent's Hospital, Sydney
Steve Fenton	Sydney Cardiology group, Sydney
Gelman, John	Cardiologist, Monash Medical Centre and Cabrini Hospital, Melbourne
Gibbs, Harry	Director of Vascular Medicine, PAH, Brisbane
Gould, Paul	Cardiac Electrophysiologist, PAH, Brisbane
Haluska, Brian	Cardiac Imaging Group, PAH, Brisbane
Horowitz, John	Director of Cardiology, QE Hospital, Adelaide
Ivens, Emma	Cardiologist, Prince Charles Hospital, Brisbane
Jenkins, Carly	Cardiac Imaging Group, PAH, Brisbane
Joyce, Chris	Director of ICU, PAH, Brisbane
Kaye, Gerry	Cardiologist, PAH, Brisbane
Kelly, Natalie	Echocardiographer, Prince Charles Hospital, Brisbane
Korczyk, Dariusz	Cardiologist, PAH, Brisbane
Kostner, Karam	Cardiologist, Mater Hospital, Brisbane
Leung, Dominic	Cardiologist, Liverpool Hospital, Sydney
Mahadevan, Devan	Cardiologist, QE Hospital, Adelaide
Marwick, Tom	Professor of Medicine, PAH/UQ, Brisbane
Moir, Stuart	Cardiologist, Box Hill Hospital, Melbourne
Mottram, Phil	Director of CV Imaging, Monash Med Centre
Mundy, Julie	Director of CT Surgery, PAH, Brisbane
Nicolae, Mugur	Paediatric Cardiologist, Prince Charles Hospital, Brisbane
Pascoe, Roess	Cardiologist, Greenslopes Hospital, Brisbane
Perry, Rebecca	Echocardiographer, Flinders Medical Centre, Adelaide
Prins, John	Endocrinologist; Head, School of Medicine (Southern Branch), UQ

13th Asia-Pacific Congress in Doppler-Echocardiography, Brisbane, 17-19 May 2009

Prior, David	Cardiologist, St Vincent's Hospital, Melbourne
Scalia, Greg	Director of Echo, The Wesley Hospital, Brisbane
Scuffham, Paul	Professor of Health Economics, Griffith University, Brisbane
Sharman, James	Research Fellow, Menzies Centre, Hobart
Slaughter, Richard	Director of CV Imaging, The Prince Charles Hospital, Brisbane
Stanton, Tony	Cardiologist, PAH, Brisbane
Stewart, Simon	Director of CV Prevention, Baker Institute, Melbourne
Stowasser, Michael	Director of Hypertension, PAH, Brisbane
Thomas, Liza	Cardiologist, Liverpool Hospital, Sydney
Thomson, Helen	Cardiologist, Alfred Hospital, Melbourne
Tonkin, Andrew	Department of Epidemiology, Monash University, Melbourne
Wahi, Sudhir	Cardiologist, PAH, Brisbane
Wright, Jeremy	Cardiologist, Greenslopes Hospital, Brisbane
Younger, John	Cardiologist, RBH, Brisbane

Sunday 17 May 2009

0900-1000 Opening session – International Health (Plaza Terrace room)

Chairs – Paul Scuffham (AU), Chuwa Tei (JP)

0900-0910	Welcome	Chuwa Tei (JP)
0910-1930	Confluence of CVD in the developed and developing worlds	Simon Stewart (AU)
0940-1000	APCDE keynote address – The contribution of echocardiography to public health – past and future	Pravin Shah (USA)

1000-1030 Morning tea, posters and exhibits

		SUNDAY - Diastole
Yue Li	301 Hospital, Beijing	A novel parameter for assessment of left atrial size in patients with hypertension
S Eshoo	Westmead Hospital	A comparison of 2D vs 3D measures in HT patients
D Leung	Liverpool Hospital	Maximum left atrial volume index is the strongest echocardiographic prognostic factor for adverse cardiac events over a long follow up period in an unselected population
S Eshoo	Westmead Hospital	Impact of atrial fibrillation in hypertrophic cardiomyopathy on left atrial size and function
R Ganesalingam	ANU	Influence of body mass on left atrial size and reservoir function in healthy children
A Boyd	Liverpool Hospital	Normal aging only results in left atrial enlargement only in the eighth decade
David Holland	Human Movements, UQ	Diastolic response to exercise is associated with exercise-induced changes in arterial compliance
KK Kadappu	Liverpool Hospital	'On line' versus 'off line' echocardiographic estimation of left ventricular end diastolic pressure using tissue doppler
Chai Keat See	Singapore Heart Centre/UQ	Impaired torsion may be a manifestation of subclinical left ventricular diastolic dysfunction
F Dianco	Philippine Heart Center	Non-invasive measurement of left ventricular end-diastolic pressure by color m-mode echocardiography and doppler pre ejection flow wave velocity
EM Chia	Liverpool Hospital	Peak VO ₂ as a marker of left ventricular systolic and diastolic function in a healthy adult population

SUNDAY - Valves		
Adarsh Kumar	Govt Med College, Amritsar	Clinicoechocardiographic profile of 95 cases of infective endocarditis(ie)
M.C. Tordecilla-Atienza	Philippine Heart Center	3-dimensional (3D) mitral valve area measurements before percutaneous transmitral commissurotomy (PTMC)
M.C. Tordecilla-Atienza	Philippine Heart Center	Tricuspid stenosis: valve area measurement using freehand transthoracic 3-dimensional echocardiography
R Leano	UQ	Diastolic and systolic parameters show different responses to aortic valve replacement
T Marwick	UQ	Timing of operation in asymptomatic MR
Weichun Wu	Cardiovascular Institute and Fuwai Hospital	Comparative study of echocardiography and surgical results, pathology in 242 patients with ruptured mitral chordae tendineae
EM Chia1	Liverpool Hospital	The effect of valvular mitral regurgitation on phasic changes in left atrial volumes
K Macdonald	PAH	Presence and severity of mitral regurgitation effects the interpretation of lv filling pressure by doppler echocardiography

1030-1200 Debates in Multi-modality Imaging (Plaza Terrace)

Chairs – Phil Mottram (AU), Jagat Narula (USA)

1030-1100	Evaluation of recurrent chest pain - CT will replace echocardiography	Pro – John Younger (AU) Con – Dominic Leung (AU)
1100-1130	Evaluation of myocardial viability - Dobutamine echo should no longer be reimbursed	Pro – Peter Cain (AU) Con – Jae-Kwan Song (KR)
1130-1200	Evaluation of heart failure - Magnetic resonance imaging should be the 1 st test	Pro – Richard Slaughter (AU) Con – Phil Mottram (AU)

1030-1200 Detection and management of myocardial fibrosis (room P2)

Chairs – David Prior (AU), Satoshi Nakatani (JP)

1030-1100	When is fibrosis important?	Devan Mahadevan (AU)
1100-1130	Echocardiographic markers of fibrosis	Richard Troughton (NZ)
1130-1200	Magnetic resonance techniques for fibrosis assessment	Jeremy Wright (AU)

1030-1200 Interactive case-based curriculum – Artifacts (room P3)

Bonita Anderson (AU), Pravin Shah (USA)

Cases will be shown to illustrate particular problems with artifacts. The audience will interact using an audience-response system.

1030-1200 Interactive cases in quantitative 2D- and 3D-echo (room P4)

Tom Marwick (AU), Manish Bansal (IN), Brian Haluska (AU)

The goal of these sessions is to help attendees become proficient in quantification of echocardiography using their own workstation. Cases will be shown to illustrate particular problems and participants will perform their own assessment before being shown how to do this by experts.

1200-1330 Lunch, posters and exhibits

1215-1315 Asia-Pacific Echo Society (room P3)

1330-1500 Selection for cardiac resynchronization (Plaza Terrace Room)

Chairs – Steve Fenton (AU), Jae Oh (KR)

1330-1400	Current indications	Gerry Kaye (AU)
1400-1430	Echo – what went wrong, what we do next	Tony Stanton (UK)
1430-1500	Alternatives to echo	Walter Abhayaratna (AU)

1330-1500 Aortic stenosis and sclerosis (Concurrent - Room P2)

Chairs – Raul Jara (PH), Rob Doughty (NZ)

1330-1400	Biology of aortic sclerosis and stenosis	John Horowitz (AU)
1400-1430	Evaluation of aortic stenosis – Avoiding misclassification	Sudhir Wahi (AU)
1430-1500	Echo guidance during valve procedures	Emma Ivens (AU)

1330-1500 Interactive case-based curriculum – Mitral valve (room P3)

Lieng Ling Hsi (SG), Dominic Leung (AU)

Cases will be shown to illustrate particular problems with mitral valve disease. The audience will interact using an audience-response system.

1330-1500 Interactive cases in 3D-echo for LV assessment (room P4)

Helen Thomson (AU), Carly Jenkins (AU), Rebecca Perry (AU)

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1500-1530 Afternoon tea, posters and exhibits

1530-1700 Detection of early vascular disease (Plaza Terrace Room)

Chairs – Karam Kostner (AU), Ravi Kasliwal (IN)

1530-1600	Limitations of Framingham risk scoring - A role for imaging?	Andrew Tonkin (AU)
1600-1630	Bedside imaging for assessment of intima-media thickness	Ravi Kasliwal (IN)
1630-1700	How ultrasound competes with other measures	Jagat Narula (USA)

1530-1700 Assessment of myocardial deformation (Room P2)

Chairs – Richard Troughton (NZ), Rahal Yusoff (MY)

1330-1400	Why should this be useful?	Rahal Yusoff (MY)
1400-1430	Tissue Doppler and strain	Satoshi Nakatani (JP)
1430-1500	MRI techniques for deformation assessment	Peter Cain (AU)

1530-1700 Interactive case-based curriculum – Adult congenital (room P3)

Mugur Nicolae (AU), Gillian Whalley (NZ)

Cases will be shown to illustrate particular problems with congenital heart disease. The audience will interact using an audience-response system.

1530-1700 Interactive cases in 3D-echo for valve and defect assessment
(room P4)

Greg Scalia (AU), John Gelman (AU), Natalie Kelly (AU)

The goal of these sessions is to help attendees become proficient in quantification of echocardiography using their own workstation. Cases will be shown to illustrate particular problems and participants will perform their own assessment before being shown how to do this by experts.

1700-1900 Welcome reception

Monday 18 May 2009

0830-1000 APCDE Symposium - Failing hearts and failing health systems (Plaza Terrace room)

Chairs – Tom Marwick (AU), Pravin Shah (USA)

0830-0900	Is imaging a solution?	John Atherton (AU)
0910-1930	Echocardiography and heart failure management	Rob Doughty (NZ)
0940-1000	APCDE keynote address – Is echocardiography enough?	Jagat Narula (USA)

1000-1030 Morning tea, posters and exhibits

		LV and RV evaluation
A Ng	Liverpool Hospital	Incremental value of two-dimensional speckle tracking strain imaging to wall motion analysis for detection of coronary artery disease in patients undergoing dobutamine stress echocardiography
I Rahman	Univ Birmingham, UK	The variability of EF in patients following on-pump coronary artery bypass grafting
J Brown	UQ	Subclinical LV dysfunction with VVI in MR
V Katyal	PG Inst Med Sciences, Rohtak	Echocardiographic evaluation of ramipril/ carvedilol as mono and adjunctive therapy in CHF
Hisao Yoshikawa		Differences of left ventricular dyssynchrony between high septal pacing and apical pacing in patient with normal left ventricular systolic function
Hong Tang	Sichuan University, Chengdu	Quantitation of Myocardial Systolic Function of Spontaneously Hypertensive Rats by Speckle Tracking Echocardiography
I Rahman	Univ Birmingham, UK	Investigating the reduction in right ventricular function following on-pump coronary artery bypass surgery
J Wang	Gen Hosp of Beijing Military	Mitral annulus displacement by speckle tracking imaging: a new technique to evaluate global systolic function of left ventricle
M Hordern	UQ	Predicting change in myocardial function in obese, renal transplant and T2DM patients
R Leano	UQ	Effect of afterload on twist and untwist and diastolic function: a model using aortic valve replacement
T Stanton	Stobhill Gen Hosp, Glasgow	ST-segment depression during negative stress echocardiograms is indicative of subendocardial ischaemia
YT Tan (withdrawn)	Univ Birmingham, UK	Progressive worsening of longitudinal function in hypertension with and without left ventricular hypertrophy
YT Tan (withdrawn)	Univ Birmingham, UK	Reduced longitudinal and radial strain in patients with hypertension without left ventricular hypertrophy
YT Tan (withdrawn)	Univ Birmingham, UK	Impaired left ventricular twist and untwist in heart failure and normal ejection fraction is associated with reduced ventricular

		suction.
T Stanton	Stobhill Gen Hosp, Glasgow	Improvement of mechanical synchrony by echocardiographic optimization of crt and its role in improving response
A Burns	St Vincent's Melbourne	Invasive validation of echocardiographic diagnostic criteria for pulmonary arterial hypertension secondary to scleroderma
A Ng3	Liverpool Hospital	RIGHT VENTRICULAR SEPTAL VERSUS APICAL PACING: LONG TERM IMPACT ON LEFT VENTRICULAR SYNCHRONY AND FUNCTION
Hong Tang	Sichuan University, Chengdu	Clinical Usefulness of Carotid Arterial Wave Intensity in Patients with Chronic Heart Failure
B Kareem	Penang Hospital, Malaysia	Velocity Vector Imaging in Patients with Hypertrophic Cardiomyopathy: Are all Strains Equivalent?
K Dauber	Loyola University	Regional Variations of Electromechanical Delay: A Study of Electrical Activation Mapping and Contraction Front Mapping
A Dahiya	PAH	Echo Assessment Raised Pulmonary Vascular Resistance: Diagnosis or Surveillance?

1030-1200 Debates on Echocardiographic Advances (Plaza Terrace room)

Chairs – Tom Marwick (AU), Jae Oh (KR)

1030-1100	Assessment of ventricular function - Ejection fraction and volumes are sufficient	Pro – Greg Scalia (AU) Con – Chuwa Tei (JP)
1100-1130	Echocardiography and mitral regurgitation - Evaluation of MR severity is enough to time surgery	Pro – Ling Lieng Hsi (SG) Con – Dominic Leung (AU)
1130-1200	Selection for cardiac resynchronization therapy - Dyssynchrony measures should be in guidelines	Pro – CM Yu (CN) Con – David Prior (AU)

1030-1200 Imaging requirements for heart failure surgery (room P2)

Chairs – Dariusz Korczyk (AU), Rob Doughty (NZ)

1030-1100	Echo for selection and management of assist devices	Dariusz Korczyk (AU)
1100-1130	Ischemic and functional mitral regurgitation	Manish Bansal (IN)
1130-1200	LV reduction surgery	Julie Mundy (AU)

1030-1200 Interactive case-based curriculum – TEE (room P3)

Sudhir Wahi (AU), Pravin Shah (USA)

Cases will be shown to illustrate particular problems with trans-esophageal echo. The audience will interact using an audience-response system.

1030-1200 Interactive cases in quantitative 2D- and 3D-echo (room P4)

Daryl Burstow (AU), John Gelman (AU), Bonita Anderson (AU)

The goal of these sessions is to help attendees become proficient in quantification of echocardiography using their own workstation. Cases will be shown to illustrate particular problems and participants will perform their own assessment before being shown how to do this by experts.

1200-1330 Lunch, posters and exhibits

1215-1315 Lunchtime Symposium (room P3)

Acute applications of echocardiography

Chairs – Hao Wang (CN), Pravin Shah (USA)

1215-1235	Technical challenges of producing portable machines	Karl Thiele (USA)
1235-1255	Bedside imaging in the intensive care unit	Chris Joyce (AU)
1255-1315	Ischemic cardiomyopathy	Jae Oh (KR)

1330-1500 Diabetic heart disease (Plaza Terrace Room)

Chairs – John Prins (AU), Richard Troughton (NZ)

1330-1400	Heart failure – The forgotten complication of diabetes	Richard Troughton (NZ)
1400-1430	Using echo to understand HF risk	Gillian Whalley (NZ)
1430-1500	CAD screening in DM	Tom Marwick (AU)

1330-1500 Developments in stress echo (Concurrent - Room P2)

Chairs – Roess Pascoe (AU), Ravi Kasliwal (IN)

1330-1400	Quantitative approaches	Manish Bansal (IN)
1400-1430	Integration of 3D echo with stress	Carly Jenkins (AU)
1430-1500	Contrast echo – LV opacification and perfusion	Stuart Moir (AU)

1330-1500 Interactive case-based curriculum – Diastology (room P3)

Phil Mottram (AU), Devan Mahadevan (AU)

Cases will be shown to illustrate particular problems with evaluation of diastolic function. The audience will interact using an audience-response system.

1330-1500 Interactive cases in 3D-echo for LV assessment (room P4)

CM Yu (CN), Dominic Leung (AU), Rebecca Perry (AU)

The goal of these sessions is to help attendees become proficient in quantification of echocardiography using their own workstation. Cases will be shown to illustrate particular problems and participants will perform their own assessment before being shown how to do this by experts.

1500-1530 Afternoon tea, posters and exhibits

1530-1700 Managing the CRT non-responder (Plaza Terrace Room)

Chairs – Paul Gould (AU), Tony Stanton (UK)

1530-1600	Is this important?	Paul Gould (AU)
1600-1630	Non-synchrony markers of responders	David Prior (AU)
1630-1700	Echo techniques for device optimization	Tony Stanton (UK)

1530-1700 Assessment of pulmonary circulation (Concurrent - Room P2)

Chairs – John Atherton (AU), Gillian Whalley (NZ)

1530-1600	What the clinician needs from imaging	Harry Gibbs (AU)
1600-1630	Contributions from rest and stress echocardiography	Bonita Anderson (AU)
1630-1700	What other techniques can offer	Richard Slaughter (AU)

1530-1700 Interactive case-based curriculum – Atria/pericardium (room P3)

Liza Thomas (AU), Jae Oh (KR)

Cases will be shown to illustrate particular problems with atrial and pericardial disease. The audience will interact using an audience-response system.

1530-1700 Interactive cases in 3D-echo for valve and defect assessment (room P4)

John Gelman (AU), Darryl Burstow (AU), Brian Haluska (AU)

The goal of these sessions is to help attendees become proficient in quantification of echocardiography using their own workstation. Cases will be shown to illustrate particular problems and participants will perform their own assessment before being shown how to do this by experts.

Tuesday 19 May 2009

0830-1000 Opening session – Young investigators award (Plaza Terrace)

Chairs – Jagut Narula (USA), Pravin Shah (USA)

0830-0845	Carly Jenkins	University of Queensland	Prognostic implications of LV volumes with 2D and 3D echo
0845-0900	David Holland	University of Queensland	Should exercise e/e' be part of the diagnostic criteria for HFpEF?
0900-0915	Satoshi Yuda	Sapporo Medical University	Quantitative Assessment of Left Atrial Function in Patients with Paroxysmal Atrial Fibrillation by Two-dimensional Speckle Tracking Imaging
0915-0930	Walter Abhayaratna	Australian National University	Asymptomatic left ventricular diastolic dysfunction and risk of death in the community
0930-0945	Arnold Ng	Liverpool Hospital	Left ventricular dyssynchrony early after non-ST elevation myocardial infarction independently predicts long term left ventricular remodelling
0945-1000	YT Tan (withdrawn)	University of Birmingham, UK	Reduced left atrial function and normal ejection fraction in hypertensive patients with dyspnoea
Judges convene – Winner presented at 10.15			

1000-1030 Morning tea, posters and exhibits

1030-1200 Debates on Current Use of Echocardiography (Plaza Terrace Rm)

Chairs – Tom Marwick (AU), Ling Lieng Hsi (SN)

1030-1100	New echocardiographic modalities (deformation imaging, 3D) - New methods entertain doctors but don't help patients	Pro – Rob Doughty (NZ) Con – David Prior (AU)
1100-1130	Echocardiography and cost-effectiveness - Cardiac imaging represents dubious value for money	Pro – Simon Stewart (AU) Con – Michael Feneley (AU)
1130-1200	Echocardiography and appropriateness - Only cardiologists should interpret echocardiograms	Pro – Roess Pascoe (AU) Con – Chris Joyce (AU)

1030-1200 Echocardiography and the hypertrophied heart (room P2)

Chairs – Liza Thomas (AU), Richard Troughton (NZ)

1030-1100	What the clinician needs	Michael Stowasser (AU)
1100-1130	Echocardiographic assessment of the LV	Richard Troughton (NZ)
1130-1200	Ventriculo-arterial coupling	James Sharman (AU)

1030-1200 Interactive case-based curriculum – prosthetic valves (room P3)

Pravin Shah (USA), Darryl Burstow (AU)

Cases will be shown to illustrate particular problems with prosthetic valve disease. The audience will interact using an audience-response system.

1030-1200 Interactive cases in quantitative 2D- and 3D-echo (room P4)

Dominic Leung (AU), Walter Abhayaratna (AU), Bonita Anderson (AU)

The goal of these sessions is to help attendees become proficient in quantification of echocardiography using their own workstation. Cases will be shown to illustrate particular problems and participants will perform their own assessment before being shown how to do this by experts.

1200-1330 Lunch, posters and exhibits

1330-1500 Echo Jeopardy - (Plaza Terrace Room)

Chairs – Greg Scalia (AU), Bonita Anderson (AU)

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1330-1500 Interactive case-based curriculum – Stress echo (room P3)

Roess Pascoe (AU), Tom Marwick (AU)

Cases will be shown to illustrate particular problems with evaluation of stress echo. The audience will interact using an audience-response system.

1330-1500 Interactive cases in 3D-echo for LV assessment (room P4)

R Doughty (NZ), Carly Jenkins (AU), Brian Haluska (AU)

The goal of these sessions is to help attendees become proficient in quantification of echocardiography using their own workstation. Cases will be shown to illustrate particular problems and participants will perform their own assessment before being shown how to do this by experts.

1500-1530 Afternoon tea, posters and exhibits

1530-1700 Interactive case-based curriculum – Aortic valve (room P3)

Sudhir Wahi (AU), Emma Ivens (AU)

Cases will be shown to illustrate particular problems with aortic valve disease. The audience will interact using an audience-response system.

**1530-1700 Interactive cases in 3D-echo for valve and defect assessment
(room P4)**

Darryl Burstow (AU), Devan Mahadevan (AU), Natalie Kelly (AU)

The goal of these sessions is to help attendees become proficient in quantification of echocardiography using their own workstation. Cases will be shown to illustrate particular problems and participants will perform their own assessment before being shown how to do this by experts.