



The Cardiac Society
of Australia and
New Zealand

on the *pulse*

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President's Report 2016

Delivered by A/Professor Andrew MacIsaac

Volume XXVIII, No 3

September 2016

It gives me great pleasure to provide the members of the Society with the President's report for 2016.

The Society aims included the promotion of the highest standards of education, training, research and practice in cardiovascular medicine. This has been exemplified by this Annual Scientific Meeting and I would like to extend my congratulations to Stephen Nicholls and Joseph Selvanayagam and the whole organising committee for their hard work in producing such an outstanding meeting. There have been 1460 registrants, 26 invited international speakers, 150 local speakers and 822 abstract were submitted. The meeting is a wonderful success.

The ANZET meeting celebrated its 10th anniversary this year. ANZET continues to be successful and provides an important unifying forum for Interventional Cardiologists in Australia and New Zealand and ensures that the Society stays relevant to their needs. I would like to congratulate Jim Stewart and all the ANZET organising committee.

Early this year the Society hosted its 2nd International Clinical Cardiovascular Genetic Conference in Brisbane. The Society's members should be very grateful to John Atherton and Julie McGaughran, Chris Semsarian and John Skinner and the whole organising committee for their endeavours in this very important field.

The Board continues to see these academic and educational Meetings as a core activity for the Society. Next year's ASM will be held in Perth, WA. Brendan McQuillan will be the conference convenor with Carl Schultz as the chair of the scientific committee. Members will be interested to know that the 2018 meeting will be held in Brisbane with a local organising committee, with Melbourne to organise the 2019 and New Zealand the 2020 meetings at venues that are still to be decided. The Board has also agreed to support an Adult Congenital Heart Disease meeting to be held in Queenstown late November 2017.

I would like to add my congratulations to Heart Lung and Circulation on its 25th anniversary and to Rob Denniss, who will continue to edit the journal for the next 5 years, and to Derek Chew and all involved in the NHF/CSANZ ACS guidelines launched at this meeting.

In the last year, the Society engaged Association Forum to review its board structure. We were advised that our current board of 25 members is larger than best practice. However, it was also noted that the Society is a highly efficient and inclusive organisation. The Board formed the view that it's structure should not be altered as a reduction would risk disenfranchising various groups and limit communication between Councils.

However, it was noted that demands on the Society and its workload are increasing. In order to deal with these

demands the Society's Executive Officers: The President, President-Elect, Honorary Secretary, Honorary Treasurer and Executive Officer have formed a subcommittee to implement board decisions and advance issues between formal board meetings.

I would also like to take this opportunity to publicly thank Ms Martha McCall, the Executive Officer of the Cardiac Society who took up her post following last year's AGM. The transition to our new EO has been seamless. She is also a great ambassador for the Society and a great support for the executive, the board and all the members. Thank you Martha.

I'd now like to turn my attention to the Australian Cardiac Outcomes Registry (ACOR). The Society continues its work to develop registries to document the quality of cardiac procedures throughout Australia and New Zealand through both the devices and procedure registries. The devices registry was allocated \$1.1M in the last Federal budget to document cardiac device implantation, including stents, pacing devices and other cardiac prosthesis with the oversight of the Australian Commission for Quality and Safety in Health Care. Negotiations to combine the procedures and devices registry to risk adjust device performance have commenced. The ACOR procedure registry is now active with 4 states contributing and we expect the first reports later this year.

Negotiations are on-going with other groups to ensure that all states and territories are included in the registries. Jim Cameron is the Chair of ACOR and has put in an enormous effort to get us this far. David Brieger is Chair of the Steering Committee and has devoted a huge amount of time and energy to this whole process and they both deserve our thanks. Special mention should also be made of Lynne Portelli the ACOR Project Manager.

I would also like to update members on CPD activities. As Clara mentioned our CPD Committee is chaired by Richmond Jeremy. The site is fully functional and contains a wealth of educational

material, including lectures, presentations and articles from the ASMs, ANZET, HLC and links to numerous journal and other resources. Members can perform their CPD through HeartOne. Until the Society becomes a registered training organisation, CPD will still need to be submitted through the College. HeartOne can readily output its records to the College's site and the site contains a video demonstrating how to complete this simple process. Members will find the HeartOne site relevant to their practice. The site also automatically records members CPD activities.

That brings me to our relationship with the College. Our major interaction with the College is through the STC and advanced training. Clara has already spoken about the exam. The only other College activity we have engaged in is their Choose Wisely program. Although this is a negative program aimed at defining inappropriate medical practice. We have developed 7 statements as it was felt very important Cardiologists are seen to advocate appropriate care and standards. In the last year it has become apparent that the Society is looked to as an advocate of appropriate patients care. The Society's views on the appropriateness of coronary stenting featured on an episode of Four Corners as did our views on the appropriateness of the definition of myocardial infarction used by some Insurance companies.

In the last year the Society has provided advice to the MSAC, HIC, and the TGA. Several members of the Society are involved in oversight committee and the working groups of the MBS Review of Cardiac Services. This review will alter the practice of Cardiology in Australia. There are several overarching principles that will produce a profound effect on the schedule. Firstly, descriptors will be introduced outlining the clinical circumstances under which procedural and imaging rebates will be available, eg cardiac stenting for stable coronary syndromes. In order to ensure appropriate practice Heart Team Item numbers may be introduced. Recommendations by a heart team may be required under some circumstances to ensure appropriate patient care.

Multiple item numbers will no longer apply to the one procedure or test, so multiple item numbers will be consolidated. Although this is not a review of remuneration, the fee assigned to these consolidated item numbers is uncertain.

The Society has also provided advice to MSAC on the introduction of TAVI which will be contingent on a Heart Team approach and accreditation by a conjoint committee involving CSANZ.

Finally, I would like to thank the members for the privilege of being the Society's President over the last two years and now open the floor to any questions from the membership.

Deaths

It is with deep regret that the passing of the following Members is noted:

Professor Henry Krum (FCSANZ VIC), Dr Geoff Mews (FCSANZ WA), Professor Gishel New (FCSANZ VIC) and Professor Robin Norris (Fellow and Life Member New Zealand).

CSANZ Distinguished Career Achievement Medal



The CSANZ Distinguished Career Achievement Medal was awarded to **Professor Henry Krum for his many outstanding achievements in the field of cardiovascular disease and as a role-model through service, research and teaching.**

Andrew MacIsaac presenting the Medal to Prof Krum's wife Lauren Berkowitz.

2016 R T Hall Prize - Professor Malcolm West AM



The R T Hall Prize is the most prestigious research award of CSANZ and recognises the achievements of senior and established investigators. The winner of the 2016 R T Hall Prize is Professor Malcolm West AM in recognition of an outstanding body of research work conducted in Australia over the last five decades.

Over the course of his career, Professor West has made significant contributions at an international level in his chosen fields of cardiovascular research, principally on the topics of hypertension, coronary artery disease, vascular biology, and aortic aneurysm disease. His work has both a clinical and basic science dimension that spans patient management, cell biology and the genetic determinants of disease. His research has contributed substantially to changing clinical practice on a global scale. Professor West has had a distinguished academic career with more than 150 peer reviewed and published book papers and book chapters in high impact journals with an impressive H index of 36.

Professor West has excelled in research environments in Sydney as a research Fellow at the Hallstrom Institute of Cardiology (University of Sydney), in the United Kingdom at Oxford University, in the United States at the

National Heart Lung and Blood Institute (NIH) Bethesda, in Adelaide as Associate Professor in Medicine at Flinders University and in Brisbane as Mayne Professor of Medicine at the University of Queensland. Professor West has been a key part of the internationally lauded LIPID study which was a landmark publication demonstrating the key clinical benefit of statin therapy in reducing the burden of cardiovascular disease. In conjunction with several other similarly highly impactful studies, this work has embedded lipid lowering therapy as a benchmark in care for patients with coronary artery disease. This is a therapy that has been pivotal in reducing mortality from coronary disease the world over. Professor West has been a key member of the LIPID Management Committee that set up this study in 1990.

In the field of hypertension, Professor West has made a significant research contribution as a key member of the research team behind the Second Australian National Blood Pressure (ANBP2) study that demonstrated for the first time the mortality benefits of ACE Inhibitors as well as diuretic in older hypertensive Australians. He continues as a member of subcommittees that are investigating genetic risk factors associated with cardiovascular outcomes in both the LIPID study and the ANBP2 trial. In the last 20 years, Professor West has worked both as a clinician and researcher in the field of thoracic aortic aneurysm disease, especially related to Marfan syndrome. He has made substantial contributions to research in the clinical management and basic pathophysiology of these conditions.

Having driven the establishment of a multidisciplinary Marfan syndrome diagnostic and management clinic at Prince Charles Hospital in 1993, the first of this type of clinic to

be set up in Australia, he has guided the national recommendations for the diagnosis and management of Marfan syndrome in this country. Professor West's group was the first to show the presence of over-expression of transforming growth factor beta in aortic tissue derived from Marfan subjects. This important finding has supported the view that early treatment of aortic aneurysm in Marfan syndrome with angiotensin 11 receptor blocking drugs is able to reduce the rate of aortic dilation. With Professor Kim Summers, he initiated investigations that are uncovering the genomic basis of Marfan syndrome and other inherited aortic aneurysm conditions. This work has received global recognition with Professor West presenting at major scientific meetings in the USA, Europe and Asia.

Professor West has been a leader and innovator in medical education. He has transformed the medical school curriculum at prestigious centres such as the University of Queensland and Flinders University. He is actively involved in supporting younger colleagues and trainees in cardiovascular research activities with his supervision of postgraduate students. Professor West's outstanding contributions to Cardiology and Marfan syndrome disease were acknowledged by the broader community in 2012 with the award of Membership of the Order of Australia.

The 2016 RT Hall Prize was presented to Professor West at the CSANZ Annual Scientific Meeting in Adelaide. [Professor West joins an illustrious group of past winners.](#)

2017 R T Hall Prize Nominations now open

Nominations are now open for the 2017 RT Hall Prize. If you know a member of CSANZ who is a senior, established investigator with a sustained and outstanding record of research achievement, consider nominating them for the R T Hall Prize. Please [visit the website for further information](#). Nominations close 4 November, 2016.



Mark Webster
presenting Malcolm West with the
2016 R T Hall Prize

CSANZ Cardiovascular Research Innovation Grants



Project Grant – \$100K

Professor Robert Graham

Victor Chang Cardiac Research Institute, Sydney

Project Title: Molecular analysis of spontaneous coronary artery dissection.

Spontaneous coronary artery dissection (SCAD) is a non-atherosclerotic disease of the coronary arteries that presents as an acute coronary syndrome (ACS) or sudden cardiac death (SCD). It predominantly affects women who are relatively young accounting for one quarter of cases of myocardial infarction (MI) in women aged <50. It is now recognised to be the cause of 2-4% of all ACS cases.

They will use a range of methodologies including whole genome sequencing studies to investigate the prevalence of common and rare variants in the PHACTR1 gene in SCAD patients, and also utilise fibroblasts obtained from skin biopsies of these patients for phenotypic characterisation.

Stipend Grant – \$35K

Susann Beier

University of Auckland, New Zealand

Project Title: Coronary Artery Flow Atlas

Susan is a Research Fellow and Professional Teaching Fellow at the University of Auckland. She holds a Masters in Engineering. Her post-doctoral project is under the supervision of Prof John Ormiston. The hemodynamics of normal, diseased and stented coronary artery bifurcations assessed by magnetic resonance imaging (MRI) and computational fluid dynamics (CFD).

She will utilise an existing large coronary shape atlas to investigate the hypotheses that: Normal and pathological coronary geometries show significant differences in haemodynamics; that coronary geometry can function as an indicator for atherosclerotic risk and that Bifurcation geometry and stent strategy affect haemodynamics and therefore influences treatment outcome.

CSANZ Prizes and Scholarships

The following prizes and scholarships have been awarded through the year and also at the 2016 Annual Scientific Meeting:

2016 CSANZ Research Scholarship

- **Dr Jay Ramchand**, The University of Melbourne, VIC
- **Dr Geoffrey Wong**, Melbourne Health, VIC

Indigenous Researcher/Scientist Scholarship

- **Mr Roy Hoerara**, Massey University, New Zealand

The CSANZ Travel Grants

To attend the **ESC Congress** in Rome, Italy, 27 - 31 August, 2016, were awarded to:

- **Dr Jerrett Lau**, Concord Hospital and The University of Sydney, NSW
- **Dr Liz Paratz**, St Vincent's Hospital, Melbourne, VIC
- **Dr Geoff Wong**, Royal Melbourne Hospital, VIC

To attend the **AHA Meeting** in Orlando, Florida, 7-11 November, 2015, were awarded to:

- **Dr Rajeev Kumar Pathak**, Centre for Heart Rhythm Disorders, University of Adelaide and Royal Adelaide Hospital, SA (McCredie/Wilcken recipient)
- **Dr Jordan Fulcher**, NHMRC Clinical Trials Centre, The University of Sydney, NSW
- **Dr Christnan Nalliah**, Royal Melbourne Hospital, Melbourne, VIC

To attend the **ACC Meeting** in Chicago, Illinois, 2-4 April, 2016, were awarded to:

- **Dr Bo Xu**, MonashHeart, Monash Health, Melbourne, VIC, (McCredie/Wilcken recipient)
- **Dr Tom Wang**, Auckland City Hospital, New Zealand

CSANZ Affiliate Clinical Development Awards

Nursing:

- **Kimberley Bardsley**, St Vincent's Hospital, Sydney, NSW
- **Kellie Black**, The Prince Charles Hospital, Brisbane, QLD
- **Julia Reynolds**, North Shore Hospital, Auckland, New Zealand

Non-Nursing:

- **Nicole Lowres**, University of Sydney, NSW
- **Samia Toukhsati**, Austin Health, VIC

Thank you to reviewers:

Thanks to the many judges who assist, not only at the ASM, but in assessing the various scholarships and travel grants which are awarded throughout the year. They do a wonderful job and the Board is extremely grateful for their time and contribution.

Affiliate Nursing Prize

Peita Price, Royal Melbourne Hospital and Merri Health, Victoria

Effectiveness of a phone-based care co-ordination pilot on reducing hospital utilisation and costs for patients with chest pain.

Judges: Sally Inglis, Andrea Driscoll, Jenny Tagney, Carolyn Astley



Peita Price
2016 Affiliate Nursing Prize Winner



2016 Affiliate Nursing Prize Finalists
Tanya Milburn, Catherine McCormack,
Peita Price (Winner) and Kai Jin

Allied Health Affiliate Prize

Joanna Sweeting, Centenary Institute, Sydney

Assessment of physical activity in hypertrophic cardiomyopathy

Judges: Mark Haykowsky, Lee Nedkoff, Carmine de Pasquale



2016 Allied Health Affiliate Prize Finalists
Joanna Sweeting (Winner), Hannah Wechkunanukul,
Rita Hwang and Kelly Wilson-Stewart

Ralph Reader Prize - Basic Science Section

Cheng Xue Helena Qin, Baker IDI Heart and Diabetes Institute

Formyl peptide receptor (FPR) biased agonists as novel cardioprotection from myocardial ischaemia-reperfusion (I-R) injury

Judges: Stephen Nicholls, Christine Winterbourn, Elizabeth McNally, John Atherton, Joseph Hung



Cheng Xue Qin
Ralph Reader Prize – Basic Science Section



Quan Huynh
Ralph Reader Prize – Clinical Science Section

Ralph Reader Prize - Clinical Science Section

Quan Huynh, Menzies Institute for Medical Research, Tasmania

Readmission and death within 30 days in heart failure: interventions based on predicted risk

Judges: Joseph Selvanayagam, Victor Ferrari, Andrew Krahn, David Kaye, Mark Webster

Heart Lung and Circulation

Heart Lung and Circulation Best Review Prize (2016)

The prize is an early career award given to an eligible first author of the best review paper published in print in HLC in the previous calendar year.

2016 will only be the second time this Prize has been awarded. 2015 was the inaugural year.

Winner: Kevin Phan

Transcatheter Aortic Valve Implantation (TAVI) in Patients With Bicuspid Aortic Valve Stenosis – Systematic Review and Meta-Analysis

Heart Lung and Circulation

**Celebrating 25 years
1991 – 2016**



**Richmond Jeremy (Past Editor), Frank Rosenfeldt (Founding Editor)
Robert Denniss (Editor-in-Chief)**

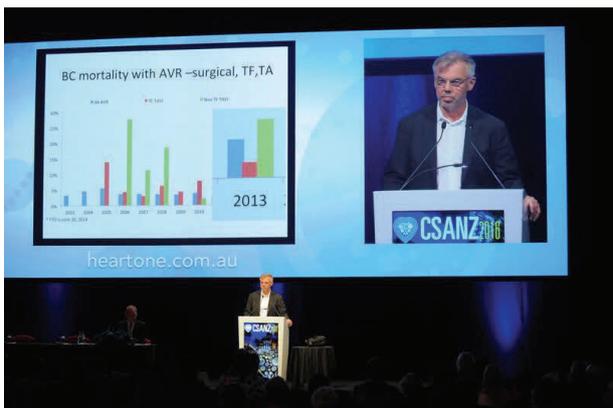
CSANZ ASM 2016 Highlights



Welcome to Country
Tauondi Aboriginal College led by Jack Buckskin



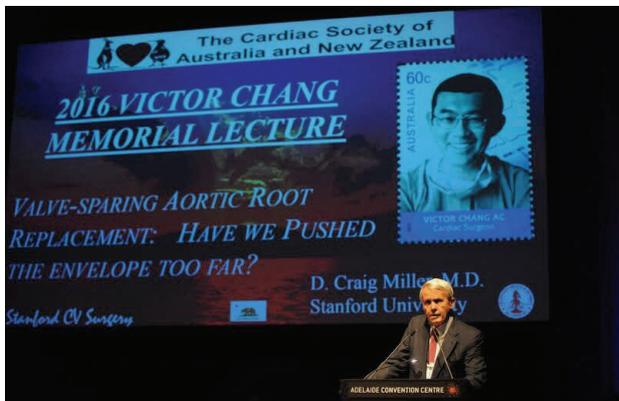
Stephen Nicholls, Convenor
opens the CSANZ 2016 ASM



R T Hall Lecturer
John Webb



Robyn Gallagher, Chair CSANZ
Cardiovascular Nursing Council presenting
Andrea Driscoll, as the Cardiovascular
Nursing Lecturer



D Craig Miller delivering
the 2016 Victor Chang Memorial Lecture

CSANZ ASM 2016 Highlights



David Kaye delivers the Kempson Maddox Lecture - *Heart Failure with Preserved Ejection Fraction – From physiologic insights to therapy*

Livia Hool, President ISHR,
Christine Winterbourne,
Basic Science Lecturer and Jon Kalman,
Chair CSANZ Scientific Committee



Ralph Reader Basic Science Finalists—
Jack Hywood, Cheng Xue Qin and
Shivshankar Thanigaimani

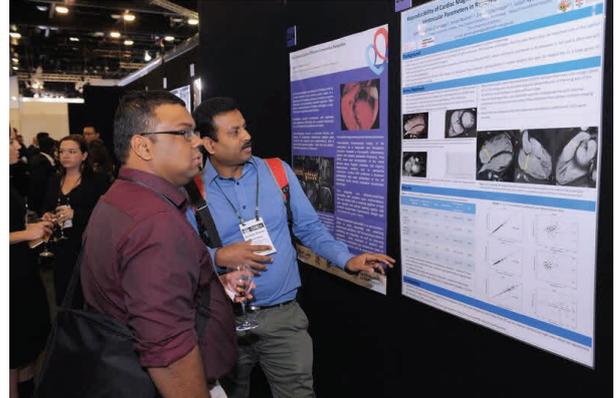


Ralph Reader Clinical Science Finalists—
Quan Huynh, Muhammad Imran and
Belinda Gray

CSANZ ASM 2016 Highlights



Andrew Burns, Peter Kistler and David Prior enjoying the President's Reception



Delegates at the popular Cheese and Wine Poster Session



Aravinda Thiagalingam, Andrew MacIsaac, and Stephen Nicholls at the Gala Dinner



Panel at Emerging Leaders Mentor Dinner



Delegates at the Opening Session



Delegates enjoying the Gala Dinner

Congratulations to ISHR Prize Winners



Livia Hool, President ISHR, Jim Bell, **Gabriel Bernasochi** and Julie McMullen
Gabriel Bernasochi (University of Melbourne) Student Investigator Prize



Livia Hool, **My-Nhan Nguyen** and Jim Bell
My-Nhan Nguyen, Student Mini-Oral Prize



Livia Hool, **Su Jen Chua** and Jim Bell
Su Jen Chua, Student Poster Prize

CSANZ Board August 2016



Front row (L-R): Jenny Deague, Aravinda Thiagalingam, Robyn Gallagher, Martha McCall, Andrew MacIsaac, Clara Chow, Mark Webster and Ian Meredith

Middle row (L-R): Will Parsonage, Jim Stewart, Stephen Duffy, Robert Denniss, Luke Galligan, and Tom Gentles.

Back row (L-R): Jodie Ingles, Richmond Jeremy, David Prior, Jonathan Kalman, Stephen Nicholls, Paul Bridgman, Andrew McGavigan, Derek Chew and Len Kritharides.

ANZET16 – Celebrating 10 years of ANZET



Jim Stewart and Ravi Bhindi Opening ANZET16



Keith Oldroyd delivers the Louis Bernstein Lecture



Andrew MacIsaac and Ian Meredith celebrating 10 years of ANZET



Emmanouil S Brilakis, international speaker from Minneapolis Heart Institute



Audience enjoying the Live Cases

ANZET16 – Celebrating 10 years of ANZET



Gala Dinner Fun



Jim Stewart, Andrew MacIsaac
and Ian Meredith
celebrating 10 years of ANZET

Keith Oldroyd (Louis Bernstein
Lecturer), Ravi Bhindi with the
**Geoff Mews Memorial
ANZET Fellows' Prize
Finalists**, Kaleab Asress,
Kuljit Singh and Jalal Zamani

**Congratulations to
Kaleab Asress
Winner
Geoff Mews Memorial
ANZET Fellows' Prize**





CSANZ
2017

65TH ANNUAL SCIENTIFIC MEETING
OF THE CARDIAC SOCIETY OF
AUSTRALIA & NEW ZEALAND
HOSTED BY CSANZ WA / 8 - 13 AUGUST 2017
PERTH CONVENTION AND EXHIBITION CENTRE



10 -13 August 2017, Perth, WA

www.csanz.edu.au

Key Dates

Abstract submission opens
22 November 2016

Registration opens
7 March 2017

Abstract submission closes
5 March 2017

Earlybird registration closes
31 May 2017



ANZET17

11th Annual
Australia & New Zealand
Endovascular Therapies Meeting

8 - 10 August, 2017
Perth Convention Centre, Perth

anzet.com.au



THE INTERVENTIONAL MEETING OF THE
CARDIAC SOCIETY OF AUSTRALIA AND NEW ZEALAND

www.anzet.com.au



R T Hall Prize 2017

Call for Nominations

Nominations are invited for the 2017 R T Hall Prize of the Cardiac Society of Australia and New Zealand (CSANZ). The Prize is the most prestigious research award of the CSANZ and recognises the achievements of senior and established investigators. The Prize is awarded in open competition and is directed towards recognition of sustained and outstanding research achievement.

CONDITIONS:

- The R T Hall Prize will be awarded to **an individual investigator** for a coherent body of work, which advances knowledge of the cardiovascular system and its diseases. In exceptional circumstances, the Prize may be awarded to a small group for an outstanding contribution in the field of cardiology. The work must have been published in a scientific journal or journals. Work published in book-form and thesis, which have been accepted for higher degrees, may also be submitted.
- The investigator **MUST** be a Member of The CSANZ and the work must have been substantially undertaken in Australia or New Zealand.
- Submissions for the R T Hall Prize will consist of a nominating letter by a Member of The Society plus copies of the published manuscript(s), as well as, confirmation from the nominee(s) that they wish to be considered for the Prize.
- The R T Hall Prize will be decided by the Board after review by the Scientific Committee.
- Nominations will remain for consideration for three years without the requirement to re-submit.
- The winner of the R T Hall Prize will be announced at the Annual General Meeting of The Society.
- The value of the R T Hall Prize will be \$10,000.

Submissions should be forwarded to the Honorary Secretary, The Cardiac Society of Australia and New Zealand, Suite 601, Level 6, 1 Castlereagh Street, Sydney NSW 2000 or email to info@csanz.edu.au

Closing date:

5 pm Friday 4th November 2016

The Society reserves the right not to proceed with an appointment for any reason. Applicants requiring further information are requested to contact the CSANZ at info@csanz.edu.au

Please note: If email confirmation of receipt of the nomination is not received within 1 week of submission, please contact the CSANZ at info@csanz.edu.au. [Click here for a list of Previous R T Hall Prize Recipients.](#)

Registry Update



At the recent ANZET and ASM meetings held in Adelaide, ACOR had a booth in the Exhibition which was staffed by Erin Morton, Lauren Bell and team from SAHMRI and Lynne Portelli from ACOR. It was encouraging to hear from many who visited the booth that the Registry was starting or in the process of being introduced at their hospital. Many wanted to know more about the process of submitting data and the information which would be captured.

The original contract with the Department of Health for the Cardiac Devices Registry (CDR) finished on 31 December 2015. Since then the Department has offered and executed two Deeds of Variation. The first for six months ending 30 June 2016 and the second for a further twelve months to 30 June 2017. ACOR and the Department are actively exploring combining the CDR and the Cardiac Procedures Registry (CPR) with the aim that this will be resolved during the current Deed.

At a practical level, the focus is on helping sites with their local governance processes including legal review and training new sites for patient procedures and data entry. Support is provided to all Registry contributors via the SAHMRI helpdesk. Local governance and ethics approval has caused delays not originally accounted for, however, it is anticipated that the minimum data threshold will be reached by the end of the year with the participation of at least 5 sites for 3 months each encompassing at least 15 patients per site. ACOR's national approach has resulted in our first 4 sites encompassing 4 different Australian states/territories with 2 of the next 3 most probable starts from a further 2 states, providing a true national representation in the Registry. Furthermore the balance between public and private hospital participation is currently even.

We are keen to encourage participation from all eligible hospitals of all types in all areas. If you would like to make further enquiries please contact the SAHMRI helpdesk on 1300 725 272 or ACOR-registry@sahmri.com or ACOR on 02 9226 7900 or info@acor.net.au



Affiliate Clinical Development Award Report



As a grateful recipient of an Affiliate Clinical Development Award, I would like to thank CSANZ for enabling me to attend the CSANZ Annual Scientific Meeting in Adelaide, 5-7th August 2016.

Working as a Research Fellow in the Department of Cardiology, Austin Health, with Professor David Hare, our research program targets opportunities to improve the psychosocial management of patients with acute and chronic cardiovascular diseases, with particular emphasis on acute coronary syndrome and heart failure patients.

It was a privilege to present recent research findings from one such project that described the utility of the Cardiac Depression Scale (CDS) to identify acute coronary syndrome patients at risk of persistent depression. In our sample of 36 ACS in-patients (males = 30; mean age = 64.22 ± 9.68) with confirmed STEMI ($n = 19, 52.8\%$) or NSTEMI ($n=17, 47.2\%$), we found that 8 patients (22%) screened positive for probable depression ($CDS \geq 95$) during ACS admission. Of these, 87.5% persisted at 1 month and 71% at 6 months. We found that a CDS score ≥ 80

during admission has high sensitivity and specificity for detecting depression in the months following ACS. Routine screening of depression during patient admission for an ACS event is recommended.

Attending CSANZ provided an ideal forum to discuss these preliminary findings with experts in the field and to attend presentations in a variety of specialist cardiovascular streams, including heart failure, clinical management, and basic science. The mix of fundamental and applied science was extremely useful in both inspiring and planning translational projects in psychosocial management of cardiovascular disease patients. Among the many highlights, I particularly enjoyed the Opening Ceremony RT Hall Lecture by John Webb on transcatheter aortic valve implantation (TAVI), the multidisciplinary Cardiovascular Nursing Lecture and Nursing Prize session, and the Clinical "Heart and Brain" session. It was extremely rewarding to be exposed to the latest in cardiovascular research and to have an opportunity to network with esteemed colleagues. CSANZ has inspired ideas for many new projects which I hope to develop over the coming months for implementation in our Clinical Research Internship Program for undergraduate students.

*Samia Toukhsati
Austin Health, VIC*

Affiliate Clinical Development Award Report



This year I was fortunate to attend my first CSANZ Annual Scientific meeting in Adelaide. I would like to thank the CSANZ for the Affiliate Clinical Development Award, which enabled me to attend.

From the very beginning I was impressed. The opening ceremony was a wonderful introduction featuring the Tauondi Aboriginal College led by Jack Buckskin. The group set the scene beautifully for the beginning of the conference with their moving and humorous performance. I found myself experiencing goose bumps listening to the didgeridoo accompanied by clap-sticks and song, and the next minute laughing at Jack's sharp wit.

As a novice in the field of research, the meeting opened my eyes to all the quiet achievers, slogging away, at my own hospital and in the broader cardiology community. It highlighted the importance of fostering a strong research culture in the nursing profession and ignited my own interest in the area. Most of all, it was reassuring to see a strong focus on good patient outcomes and quality care at the forefront of specialist care and research.

The area of Heart Failure is of particular interest to me. Dr. David Kaye provided some interesting insights into links between HFPEF, cardiac fibrosis, obesity, diet and gut micro biomes in his talk "Heart Failure with preserved ejection fraction - an emerging

epidemic". Dr. Michael Felker (Duke Medical Centre) discussed the Cardio-renal syndrome and how it is continuing to cause much difficulty in the management of advanced heart failure patients. The long-standing battle between medical management of heart failure, diuresis and worsening renal function continues. Management of Heart Failure Preserved Ejection Fraction (HFPEF) and cardio-renal syndrome fascinate me and there remains plenty more work to do in finding the right therapies to manage these conditions.

Andrea Driscoll from the Deakin University presented the topic "Advanced Practice Nurses - Are we worth it?" Despite the proven benefits of Advanced Practice Nurses and Nurse practitioners involvement in reducing mortality and morbidity for cardiac patients, practitioners continue to put much energy into fighting for recognition of this good work at a national level. The benefits of specialist nursing care is often recognised at a local level yet it is not reflected in Medicare rebates offered by the government.

Finally, it was interesting to me how questions were phrased to invited speakers. Each question was preceded by a compliment or congratulation, which I found deeply respectful.

Once again, thank-you to the CSANZ for a fantastic meeting and I look forward to attending many more in the future.

*Kellie Black
Registered Nurse
The Prince Charles Hospital, Brisbane*

Affiliate Clinical Development Award Report

I was so appreciative to receive the affiliate clinical development award (CDA) to enable me to attend the CSANZ Annual Scientific Meeting in Adelaide South Australia 4-7th August 2016. This meeting was such an enriching experience for me, with an inspirational cohort of speakers not to mention the fellow attendees. Many sessions have challenged and encouraged me as a Heart Failure Nurse Practitioner to enhance, apply and develop the services and care back at the "coal face". There were also numerous opportunities for me to meet and network with others to learn from their knowledge, experience and research.

Just some highlights from the meeting for me are:

The Tribute to Prof Henry Krum by Stephen Duffy was outstanding. Like many people who work in the heart failure field, I have long admired Prof Henry Krum and was saddened at his untimely death. Although I did not know him personally, I have read his work and on many occasions I had heard him speak. It is clear he was a very special person who made very significant contribution to the state of heart failure as it is today.

I was inspired to meet invited international speaker Jenny Tagney, from the Bristol Heart Institute, she outlined the similarities and differences between the UK and our health care systems as each struggles to keep up with the challenging drivers of constant change in health care and the increasingly heavy burden of chronic disease in progressively ageing populations. Jenny highlighted the need for expert nurses in practice delivery, service development, leadership, education and research and in addressing and filling the inevitable gaps in clinical care delivery. Jenny outlined how expert nurses enhance stability in health care systems as they have vast experience, holistic assessment skills and collaborative relationships with multidisciplinary teams, specialists and the patient and their families/carers.

The sessions on end of life care for patients with ICDs by Justin Mariani were thought-provoking, he discussed the often problematic scenarios we find patients increasingly in due to the complexities of end of life care for the heart failure patient. Justin reported that 20% of patients with an active ICD had a shock in their final weeks of life! Suggested strategies included providing skills, information and an appropriate magnet for use by the community palliative care teams. As a result of these presentations, I am in the process of implementing these strategies with local palliative care teams.

Gregory Crawford's presentation on palliative care in the setting of acute heart failure was both thought and tear provoking. He acknowledged our poor prognosticating for heart failure patients and the multiple unmet needs in their final weeks; reporting that up to 1/3 of patients have acute heart failure in the final stages of life. Greg encouraged collaboration and working together across specialities to better manage heart failure's refractory symptoms.

The session on new approaches to improving guideline and treatment adherence and improve outcomes this arrhythmia session was trail-blazing, reporting on the excellent outcomes from specialised nurse led management of atrial fibrillation clinics and focused text messaging making both a significant impact on patient survival and outcomes and improved risk factors. Implementing new strategies to engage patients in their care is certainly a savvy direction for future care.

I could write for pages about how excellent this meeting was, mainly I would like to thank the CSANZ for the CDA which enabled my attendance. CSANZ 2016 really was a fantastic meeting and has certainly motivated me, stimulated my mind and enhanced the care I will be able to provide for heart failure patients.

*Kimberley Bardsley
Heart Failure Nurse Practitioner
St Vincent's Hospital, Sydney*

Affiliate Clinical Development Award Report



Firstly I'd like to thank the Cardiac Society of Australia and New Zealand for awarding me the affiliate clinical development award, without which I would have been unable to attend the Adelaide 2016 ASM. Also to acknowledge the generosity of the local Kaurna people of Adelaide/ Tarndanya in welcoming us from far and wide to their land.

Although I wasn't presenting, I did meet the aims of my attending; meeting up and entering discussions with colleagues old and new as well as meeting other senior nurses, physiology technicians and doctors from other cardiac specialities. I aimed also to attend areas other than interventional, to broaden my knowledge over and beyond my speciality of cardiac interventional nursing. That certainly happened!

I attended some fascinating and accessible research in heart failure and an amazing array of poster presentations and could see I might be able to produce a poster for upcoming conferences as a good place to start my own presentations at conferences.

I was also drawn to the nurse led research being presented in the multidisciplinary room, the 'nursing lecture and nursing prize session' showcased some of the wonderful research

being undertaken and presented eloquently, and it would have been difficult to choose a winner. I'm especially interested in the nursing research being undertaken in Australia and NZ, as I am intending to go on and do my masters, commencing next year. It was heartening to see the level of research going on amongst nurses and other non-medical staff in the multidisciplinary sessions.

I was amazed at the high level of presentation in the hall where I chatted with representatives from different companies and made some contacts for teaching sessions in NZ, some aren't in NZ yet, but some fascinating products all the same. I especially like the 3D printer which could print models of hearts or brains to help practice and plan surgery. I hadn't been at a CSANZ conference for some time and can see that over time things have advanced a lot.

Having not been to a cardiac conference in some years, I was very impressed with how things have progressed; many of the talks are pitched at a much more accessible level, on the whole less data heavy, so that non-academic attendees can really get a grip on what's happening in their areas and to understand in more depth the evidence behind how we apply treatments and therapies as we do and how much research is going on.

Once again, many thanks

*Julia Reynolds
RN Clinical Coach
North Shore Hospital,
Auckland, New Zealand*

Paediatric & Congenital Council Travelling Fellowship Reports

I would like to thank Cardiac Society of Australia and New Zealand for the opportunity to attend this year's 64th annual scientific meeting in Adelaide with the assistance of the traveling fellowship award.

I was grateful for the opportunity to be part of the rheumatic fever session, as part of the Paediatric/Adult congenital stream of the conference. It was interesting to hear updates on rheumatic fever screening from Australia, New Zealand and across the pacific, as well as to hear about innovations in the field. I was fortunate to be able to present my research on the use of advanced AV conduction abnormalities on ECG in the diagnosis of rheumatic fever in South Auckland to this forum. I am grateful for the opportunity to get feedback on our data from my colleagues and experts in the field of rheumatic fever.

Throughout the conference I attended the paediatric and adult congenital stream presentations. It was both educational and inspiring to attend the presentations from both local and international experts, and to keep up to date with recent advances on a wide range of cardiology topics. I found the two sessions on the failing Fontan, as well as the final session on aortopathy in the paediatric age range to be of particular interest.

Overall, I found the conference a great learning experience. The conference was also a great way to be able to catch up with colleagues, and also to network with colleagues from other centres. I would like to thank the Cardiac Society of Australia and New Zealand for the travelling fellowship award.

*Josh Agnew
Starship Hospital, Auckland, New Zealand*

I would like to thank the Cardiac Society of Australia and New Zealand for kindly presenting me with a Paediatric & Congenital Council Travelling Fellowship. It was a pleasure to present at the conference, and I was delighted to receive the award.

As a UK cardiology registrar, it's always a beneficial experience to travel abroad to European and other international conferences, and attendance at CSANZ allowed me to gain a perspective on the excellent work going on down under.

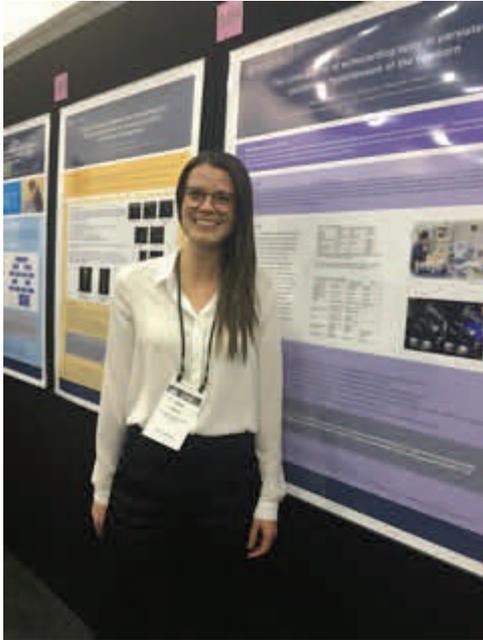
I've undertaken a research and cardiac imaging fellowship in Adelaide over the last year, within which I was able to develop basic training in cardiac MRI acquisition and interpretation. Whilst the mainstay of cardiac MRI scanning is clinically indicated for diagnosis of cardiomyopathies, ventricular function studies and aortic diseases, much of my work focused on a rather more specialised area of grown-up congenital heart disease. Patients born with congenital cardiac abnormalities now have an ever-improving life expectancy and quality of life, thanks to

marked advances in paediatric cardiothoracic surgery, and general cardiac care. Cardiac MRI is the gold standard modality for confirming structure, function, and detection of complications and abnormalities. Through interrogation of cardiac MRI scans pre and post corrective surgery, I was able to demonstrate clearly that for those with surgically repaired Tetralogy of Fallot, having a timely pulmonary valve replacement in the setting of severe pulmonary regurgitation and right ventricular dilatation markedly improved the function and dimensions of a right ventricle, which would otherwise progress to failure. Due to its accuracy and reproducibility, cardiac MRI is exactly the right tool to ascertain when the right time for such an intervention has arisen.

I'm now undertaking a PhD at the University of Edinburgh (Scotland, UK) and I know my experience in Adelaide and at CSANZ16 will stand me in good stead.

*John Hung
Royal Adelaide Hospital, Adelaide*

Paediatric & Congenital Council Travelling Fellowship Report



I was honoured to receive a CSANZ Paediatric & Congenital Council Travelling Fellowship to attend the recent ASM in Adelaide. As a second year trainee in paediatric cardiology, it was a fantastic opportunity to present at a national forum, meet experts in the field and exchange ideas with other trainees.

Leading clinicians from Australia, New Zealand and abroad covered current hot topics in paediatric cardiology over the three-day program. Of particular interest was the comprehensive session on the Fontan circulation, including childbearing and other issues faced in adulthood. Having little experience in adult CHD at this stage of training, I found this both relevant and insightful. The presentations from Melbourne and Toronto researchers regarding the current investigation and assessment of neurodevelopmental outcomes following neonatal surgery were also thought provoking.

Research conducted in the various domains of adult and paediatric/congenital cardiology from across Australia and New Zealand was

presented. It was incredible to see such great work displayed, particularly by trainees. I presented two posters - a case of severe Kawasaki disease with persistent giant coronary aneurysms, and a clinical audit of the echocardiographic assessment of neonates with severe pulmonary hypertension. Both generated interesting discussion during the poster evening over a glass of wine.

My most sincere thanks goes to the CSANZ Paediatric and Congenital Council for the encouragement and support! It was a great experience for which I am incredibly grateful.

*Zoë Wake
Princess Margaret Hospital for Children
Perth, WA*

Paediatric & Congenital Council Travelling Fellowship Report



I would like to thank the Cardiac Society of Australia and New Zealand for their generous support in attending the 64th Annual Scientific Meeting in Adelaide. As a final year medical student from the University of Melbourne, I was honoured to have had the opportunity to deliver an oral presentation and to be awarded the Travelling Fellowship.

This was the first CSANZ meeting that I have attended and it was a truly valuable learning experience. It was inspiring to hear from world-leading cardiologists and cardiac surgeons presenting on such a variety of topics in cardiovascular disease, which I very much have an interest in as I am just about to embark on my medical career. Many of the presentations were directly relevant to my clinical experience on the ward and offered renewed insight on the topics, whilst others took me beyond my level of expertise and challenged me to explore

further. I was particularly impressed by the high quality of research presented by the Ralph Reader Prize finalists and the academic rigour with which they defended their theses.

I delivered an oral presentation in paediatric cardiac surgery representing the Cardiac Surgery Unit of the Royal Children's Hospital and the University of Melbourne. I reported the outcomes of atrioventricular valve surgery in children undergoing single-ventricle palliation for unbalanced atrioventricular septal defect. It was a truly daunting experience for me to be presenting for the first time at a scientific conference. However, I received kind words of encouragement from quite a few members of the audience after my presentation, for which I am very grateful. I have no doubt that this experience will always be a highlight of my medical career.

Overall, the three-day conference was a fantastic experience that reaffirmed my interest in clinical research going forward.

I would like to thank the Cardiac Society once again for this opportunity.

*Xin Tao Ye
The Royal Children's Hospital and
The University of Melbourne, VIC*

Paediatric & Congenital Council Travelling Fellowship Report

White coat hypertension - definition:

1. *The phenomenon by which a patient's blood pressure increases in response to investigation by a medical professional*

****and new for 2016****

2. *The phenomenon by which a medical student's blood pressure skyrockets in response to presenting their research to a room of medical professionals*

All kidding aside, I am very honoured to have been awarded the 2016 Paediatric & Congenital Council Travelling Fellowship for NSW. Through that generous support, I was able to attend this year's annual scientific meeting of the Cardiac Society of Australia and New Zealand in Adelaide and present some of the exciting research that I have been a part of at the University of Sydney. Being able to share my work and interests with a group of other professionals working in the field was a fantastic opportunity. I did not anticipate that so many would approach me afterwards to ask questions or share details of their projects. It left me feeling part of a greater community, of individuals with similar curiosities.

I was able to further delve into that community during the rest of the conference, where I was able to attend many excellent talks by an array of talented clinicians and researchers. What I would like to make a special mention of though, are the contributions from my fellow students. From undergraduates to PhDs, we were there in force and it was wonderful to see the variety and scope of projects that we are involved in. Although I only had the

opportunity to speak to a handful in depth, I left with a number of interesting ideas for my own work and confidence that we upcoming clinicians and researchers will continue the trend of excellence set by our more seasoned counterparts.

I would like to finish by thanking the selections committee for inviting me to present my group's research and everyone who worked so hard to make the convention the success that it was. I am very much looking forward to doing it all again in 2017. I hope to see you there!

*Doug Drak
University of Sydney, NSW*

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A publication of The
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Forthcoming Meetings

NORTH AMERICA

AHA16

12–16 November, 2016

New Orleans, Louisiana

www.scientificsessions.americanheart.org/

ACC17

17–19 March, 2017

Washington, DC

accscientificsession.acc.org/

EUROPE

ESC Congress 2017

26–30 August 2017

Barcelona, Spain

www.escardio.org

ASIA PACIFIC

CSANZ New Zealand Annual
Scientific Meeting

28–30 June 2017

Hamilton, New Zealand

Contact details:

The Conference Company

Phone: 64 9 360 1240

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ANZET17

8–10 August, 2017

Perth, Western Australia

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10–13 August, 2017

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ACHD 2017

30 November–2 December, 2017

Queenstown, New Zealand

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