ANZSCTS

Annual Scientific Meeting 2018

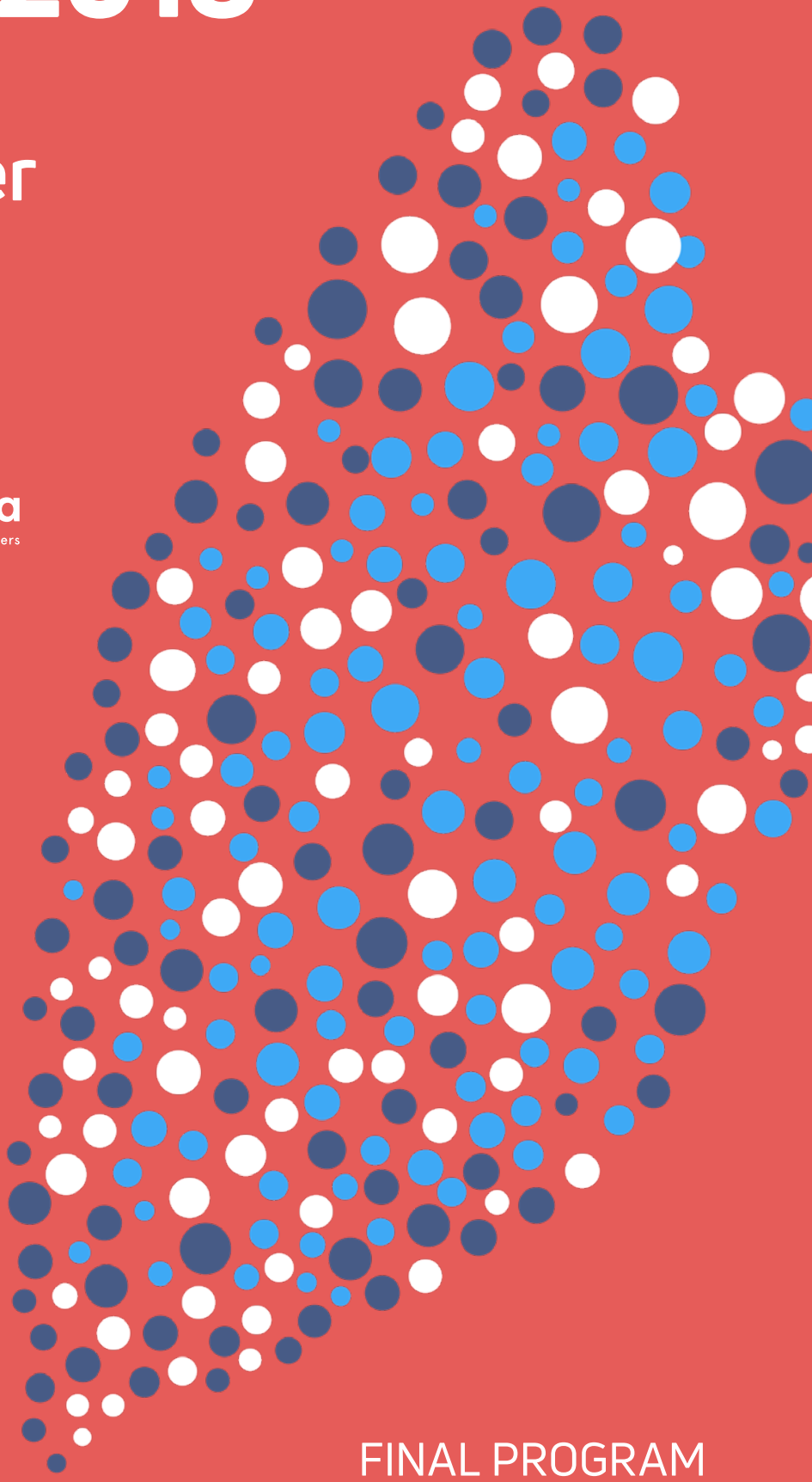
8-11 November 2018

Sofitel Noosa Pacific
Queensland, Australia

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AUSTRALIAN & NEW ZEALAND SOCIETY OF CARDIAC & THORACIC SURGEONS

FINAL PROGRAM

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WELCOME

On behalf of our colleagues and the Australian & New Zealand Society of Cardiac and Thoracic Surgeons (ANZSCTS) we extend a warm welcome to the 2018 ANZSCTS Annual Scientific Meeting held at the Sofitel Noosa Pacific, Queensland between 8 and 11 November 2018.

This meeting has invited the following international surgeons who are leaders in their areas of expertise:

- RACS Visitor, Grant Program, Professor Dr Volkmar Falk MD, Germany
- Professor Arie Pieter Kappetein, Netherlands, Medtronic Educational Sponsor
- Professor Hirokuni Arai, Japan
- Professor Anthony Linegar, South Africa
- Professor John Pepper, United Kingdom

They are known for their enthusiasm to meet challenges, embrace new technologies and encourage research and innovation.

We again incorporate an advanced trainees wet lab, cardiothoracic nurses education day and an allied health component within the meeting program. The ANZSCTS Executive will introduce a workshop for surgeons based on how to best interpret medical statistics. There will be topics to pique the interest of all – from those at the beginning of their training in our specialty to those with a wealth of experience.

A major feature of the meeting is an inclusive trade and technical exhibition providing delegates with information around technological advances and innovation.

Noosa is a relaxed and beautiful location. This is a great opportunity for delegates and sponsors to network personally and professionally.

We look forward to seeing you at the ANZSCTS 2018 Annual Scientific Meeting.

Regards

ANZSCTS 2018 Organising Committee

SPONSORS

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INVITED SPEAKERS

Professor Dr Volkmar Falk
Germany



Professor Volkmar Falk is medical director and director of the DHZB Department of Cardiothoracic and Vascular Surgery of the German Heart Center Berlin and Chair of the Division of Cardiovascular Surgery at the Charité Berlin.

After successfully completing medical school and his doctorate at the University of Bonn he began his basic surgical training at the University in Göttingen and completed his residency at the Department of Cardiac Surgery of the Heart Center Leipzig. From 1998 to 2003 he held the position of a senior surgeon there, with an interruption of his clinical work for a one year research fellowship at Stanford University, Palo Alto, California. In 2001 he completed his "Habilitation" (German post-doctoral university teaching qualification) and in 2003 he became a senior consultant. From 2009-2014 Falk was appointed Professor and Director of the Department of Cardiovascular Surgery at the University Hospital in Zurich. In 2014 he was appointed Professor and Chair of the Division of Cardiovascular Surgery at the Charité Berlin and became the Medical Director and Director of the DHZB Department of Cardiothoracic and Vascular Surgery of the Deutsches Herzzentrum Berlin.

His main areas of current clinical and academic research are in the field of endoscopic and minimally invasive cardiac surgery and image guided transcatheter therapies. He was co-founder of the Innovation Center for Computer Assisted Surgery (ICCAS) at the University of Leipzig funded by the German Ministry of Research and Education (BMBF). In Zürich he established numerous research collaborations with the ETH, among them "Zurich Heart" Project, an interdisciplinary project at the interface of medical engineering and surgery for the development of new components for mechanical circulatory assist systems. He is currently PI of the project which received intense funding over the last 5 years.

Falk is the author or coauthor of over 485 scientific publications (listed in Pubmed, Hirsh-Index 53) and serves in various functions (Board member, President, Committees) in numerous international professional societies (EACTS, ESC, DGTHG, SGHC, ISMICS and others). He serves on the editorial board of a number of journals in the field and on a number of International Guideline-Committees. He is Coauthour or Chairman of the current ESC ESC/EACTS Guidelines on myocardial revascularization, valvular heart disease and heart failure.

Professor Arie Pieter Kappetein
Netherlands



Pieter Kappetein, MD, PhD, is a Consultant Cardiothoracic Surgeon, and Professor at the Thoraxcenter at the Erasmus Medical Center in Rotterdam, The Netherlands. Before he joined Medtronic as Chief Medical Officer and Vice-President, he was Secretary General of the European Association for Cardiothoracic Surgery for 9 years, President of CTSnet and member of the Board of the Society of Thoracic Surgeons and chairman of the International Cooperation committee of the STS in the USA. Besides this he was member of the Editorial Board of the Annals of Thoracic Surgery and Eurointervention.

His clinical interests include aortic valve surgery, indications, outcome and innovations in percutaneous aortic and mitral valve replacement and repair, coronary surgery. He is also interested in education, and epidemiology. He is co-principal investigator of the SYNTAX and EXCEL trial (comparing coronary surgery with drug eluting stents) and member of the steering committee of the SURTAVI trial on percutaneous valves and the RESHAPE trial: the evaluation of the Mitraclip in patients with heart failure. He was also member of the steering committee of the Re-align Trial on Dabigatran in patients with mechanical heart valves.

His current research efforts are focused on the evaluation of new surgical techniques and the comparison of new techniques in cardiothoracic surgery with new techniques in interventional cardiology. He is project leader of the 'One valve for life' research program, a study together with the Technical University in Eindhoven and the University Hospital in Utrecht developing a tissue engineered heart valve.

INVITED SPEAKERS

Professor Hirokuni Arai
Japan



1982-1984 Resident of surgery and anesthesia at Tokyo Medical & Dental University and its affiliated hospitals

1985-1988 Resident of Cardio-thoracic Surgery at Tokyo Medical & Dental University and its affiliated hospital

1989-1991 Surgical Research Fellow at St. Louis University

1991-1994 Staff Surgeon at Tokyo Medical & Dental University

1994-2000 Director of Cardiothoracic Surgery at Hokushin General Hospital (Nagano, Japan)

2000-2005 Assistant Professor of Cardiothoracic Surgery at Tokyo Medical & Dental University

2007 Professor and Chairman of Cardiovascular Surgery at Tokyo Medical & Dental University

2016 President of Japanese Association for Coronary Artery Surgery (JACAS)

2018 President elect of the 71st Annual Scientific Meeting of the Japanese Association for Thoracic Surgery (JATS)

Prior International Experiences:

1989-1991 St. Louis University, USA; Surgical Research Fellow (Artificial Heart, Heart Transplantation)

Professional Interests:

Off pump CABG, Mitral Valve Plasty, Ventricular Assist Devices

Professor Anthony Linegar
South Africa



Professor Anthony Linegar completed undergraduate studies (MBChB) in 1984 at Stellenbosch University, South Africa. After a 2 year conscription period in the South African Medical Services at the SA Navy Medical Centre, Simon's Town, Professor Linegar joined the registrar training programme of the University of Cape Town and became a Qualified Fellow of the South African College of Cardiothoracic Surgeons in 1992.

Thereafter Professor Linegar completed a fellowship year as Senior Registrar to Professor Peter Goldstraw at the Royal Brompton Hospital, London (UK). This formative period served to cement his interest in general thoracic surgery and provided the necessary platform for a career in thoracic surgery.

On returning to South Africa in 1994, Professor Linegar worked as a consultant in cardiac and thoracic surgery at Tygerberg Hospital (University Stellenbosch). He began private practice in General Thoracic Surgery and Surgical Critical Care during 1995, whilst continuing with a part-time State Hospital appointment at Tygerberg Hospital.

During 2004 he was invited to join the academic staff at the University of the Free State in Bloemfontein for the purpose of developing general thoracic surgery for the region where hitherto, very little in the way of clinical service existed. There followed an intense period of time balancing clinical practice and family life between Cape Town and Bloemfontein. Finally Professor Linegar returned to full-time practice in Cape Town during 2010, and maintained an affiliation with the Department in Bloemfontein.

Professor Linegar completed a PhD with a thesis "A Model for the Development of Thoracic Surgery in Central SA". This was a mixed methods project which applied the principles of project management and systems theory to develop a clinical-strategic model based on a study of the factors influencing the performance gap between the burden of disease in thoracic surgery and actual surgical service provision. It included a systematic review of the complete SA thoracic surgical literature from 1955 – 2008. It culminated in the construction of a model for the development of thoracic services in central South Africa.

On returning to Cape Town, Professor Linegar was invited to head up thoracic surgery at Groote Schuur Hospital (UCT), and simultaneously joined the staff of COHSASA (Council for Health Services Accreditation SA) as a researcher in patient safety and was appointed a Director on the Board. This period came to an end in 2016 due to the pressure of work in clinical medicine.

Professor Linegar's consistent career threads include (i) an interest in all aspects of thoracic surgical patient care with particular interests in thoracic oncology, oesophageal surgery and developing world inflammatory disease of the lung; (ii) the challenge of developing thoracic surgery within the context of the SA Healthcare System; (iii) the training of registrars at intermediate level in various disciplines, and particularly in preparing candidates for the final College examinations in Cardiothoracic surgery.

INVITED SPEAKERS

Professor John Pepper OBE
London



Professor John Pepper received his medical education at Clare College, Cambridge and Guy's Hospital qualifying in 1971. He undertook his general surgical training in Leeds and his cardiothoracic training at the National Heart, London Chest, Guy's and St.Thomas' hospitals. In 1979 John was a research Fellow at the University of Wisconsin in Milwaukee, USA. He was appointed consultant cardiothoracic surgeon to the London Chest Hospital in 1980. In 1982 he was appointed consultant cardiothoracic surgeon to St. George's Hospital where he set up a cardiac transplant programme in 1986. In 1990 he was invited to join Magdi Yacoub at Brompton and Harefield hospitals.

John has worked within the Royal Brompton and Harefield NHS Foundation Trust since 1990. Until June 2010 he was an active first operator with a busy adult cardiac surgical practice consisting of complex aortic valve and aortic disease in particular. He has been active in transplantation over 20 years and originally set up a programme at St.George's Hospital in 1986.

In addition, John has been productive in clinical research, involved in or initiating ten randomised trials all of which were published in high impact journals. As the lead clinician for Aortic and Valve research for the cardiovascular BRU, he supervises two PhD students. John is also the lead clinician for the Aortic theme in the Institute of Cardiovascular Medicine and Science (ICMS) between Brompton and Liverpool. With a team of engineers and radiologists, he has developed a new prophylactic procedure for the Marfan Syndrome which won a prize at the Royal Society in 2012. The operation is now being performed in ten centres outside the Brompton, six of which are outside the UK. The total number of procedures is 117 patients.

Since 2010 John has been chair of the Structural Heart Disease Care Group. During this time the TAVI team has continued to grow and the UK TAVI trial (NIHR-funded) was recruiting to a time-line in July 2017. He has contributed to the development of an Aortic Surgical Unit at Brompton. In 2011, he established a service for acute aortic dissection (AAD) across North West Thames Metropolitan Region between the three hospitals, Brompton, Harefield and Hammersmith, all linked to Imperial. This has been meticulously audited and there has been a significant reduction in the 30-day mortality for this serious, acute emergency from 22% to 11%.

Over the last eight years John has served on several trial steering committees (TSC) and drug safety committees and has chaired two TSCs. He works closely with the Imperial College Clinical trials Unit (ICTU) and currently chairs the ICTU peer review group meeting on alternate months. In July of last year he was appointed as one of three NIHR National Lead Clinicians for Cardiovascular Disease with a special remit for heart failure and surgery.

Fifteen years ago John ran a randomised trial to compare Fast Track management of coronary surgical patients against conventional care. This was published in Heart. Importantly, this gave rise to the Fit for-Surgery programme and the pre-admission clinics (PAC) which are now an integral part of the adult cardiac programme. Ten years ago John initiated the Heart Valve Clinic, staffed by senior nurses and supervised by him. This has enabled them to keep track of their patients and to intervene before the onset of a clinical crisis. It has also enabled several of the nurses to make national presentations and to win prizes. In March 2015 he gave the Tudor-Edwards lecture on "Innovation in Cardiac Surgery" at the annual meeting of the Society of Cardiothoracic Surgeons of Great Britain and Ireland. In June 2015 John was awarded an OBE.

Outside of the Trust, John has been a member of the Council of the European Association of Cardiothoracic Surgeons (EACTS) for the last four years, chair of the Acquired Cardiac Surgery Domain and now Director of the EACTS Academy which provides postgraduate courses on a rolling, annual basis in the headquarters at Windsor. He has served as a member of an ad hoc committee of the Royal College of Surgeons for Revalidation, and another RCS committee on post-CCT specialist training.

John is currently Director of Clinical Research at the Royal Brompton and Harefield NHS Foundation Trust. Recently, he has become an Honorary Professor at Brunel University in recognition of work with which he has assisted on mechanical support of the circulation.



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[1] Klautz RJM, Kappetein AP, Lange R, Dagenais F, Labrousse L, Bapat V Et al. Safety, effectiveness and haemodynamic performance of a new stented aortic valve bioprosthesis. Eur J Cardiothorac Surg 2017; 52:425–31.

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GENERAL INFORMATION

VENUE

The meeting will be held at the Sofitel Noosa Pacific from Thursday 8 November to Sunday 11 November 2018.

REGISTRATION DESK

The registration desk is located on the Ground Floor of the Sofitel Noosa Pacific and will be open at the following times:

Thursday 8 November	7:00am to 5:00pm
Friday 9 November	7:00am to 5:30pm
Saturday 10 November	6:30am to 5:30pm
Sunday 11 November	7:30am to 10:30am

SPEAKERS' SUPPORT CENTRE

The Speakers' Support Centre is located in Laguna 3, Ground Floor, Sofitel Noosa Pacific. It is essential that all speakers check-in at the Speakers' Support Centre no less than two sessions prior to presenting.

MEETING APP

ANZSCTS ASM 2018 has a meeting app. Information on the app includes:

- Final program
- Abstracts
- Presenter details

Delegates will receive a hard copy of the final program on-site, however speaker abstracts are only available via the meeting app.

To download the meeting app:

1. Search 'The Event App by EventsAir' in either the Google Play or Apple App store.
2. Once downloaded, enter code 'anzscts18' to access the ANZSCTS ASM 2018 meeting app, i.e: final program, abstracts and speaker information.

NAME BADGES

Your name badge is essential for entry into the Meeting. Please collect your name badge from the registration desk prior to entering the scientific sessions and industry exhibition area.

DRESS

Scientific Sessions:	Smart casual
Welcome Reception:	Smart casual
Meeting Dinner:	Smart casual

GENERAL INFORMATION (CONT'D)

CONTINUING PROFESSIONAL DEVELOPMENT

This educational activity has been approved in the RACS CPD Program. Fellows who participate can claim one point per hour (maximum 16 points) in Maintenance of Knowledge and Skills. RACS Fellows will have their CPD points automatically allocated if a RACS ID number was provided at time of registration.

E-POSTERS

Scientific posters will be displayed electronically at poster stations located in the industry exhibition area during the Meeting.

INTERNET FACILITIES

Wireless internet will be available throughout the Meeting. Details will be made available on site.

DIETARY REQUIREMENTS

Please note that the venue is responsible for all catering at the Meeting. RACS and ANZSCTS do not inspect or control food preparation areas or attempt to monitor ingredients used. You must contact the venue directly for all special dietary requirements during the event, irrespective of whether details have been provided to RACS or ANZSCTS.

If RACS/ANZSCTS requests information about your dietary requirements for a specific event, RACS/ANZSCTS will endeavour to forward the information provided to the venue (time permitting). RACS/ANZSCTS will not retain information provided for future events, so you must verify your requirements for each event. Even if information is requested or provided, RACS/ANZSCTS takes no responsibility for ensuring that the venue acknowledges your dietary requirements or that these requirements can be met. In all cases you must verify for yourself that your dietary requirements have been met and RACS/ANZSCTS refutes any and all liability for any failure to adequately provide your special dietary requirements or any consequential damage resulting from such failure.

OFFICIAL FUNCTIONS

ANZSCTS ASM Welcome Reception

Date: Thursday 8 November 2018
Venue: Poolside, Sofitel Noosa Pacific
Time: 6:00pm to 9:00pm
Cost: Complimentary for registered delegates. Additional tickets cost $95.00 per person.

Tickets are essential. If you have a full registration and would like to attend, or if you would like to purchase an additional ticket, please enquire with the staff at the registration desk regarding availability.

ANZSCTS ASM Meeting Dinner

Date: Saturday 10 November 2018
Venue: Noosa Ballroom, Sofitel Noosa Pacific
Time: 7:00pm to 10:30pm
Cost: $150.00

Tickets are essential. If you have a full registration and would like to attend or if you would like to purchase an additional ticket please enquire with the staff at the registration desk regarding availability.

GENERAL INFORMATION (CONT'D)

BUSINESS MEETINGS

RACS Board of Cardiothoracic Studies Trainees Meeting

Date: Thursday 8 November 2018
Time: 5:15pm - 6:00pm
Room: Laguna 2

ANZSCTS Board Meeting

Date: Friday 9 November 2018
Time: 12:30pm – 1:30pm
Room: Laguna 2

ANZSCTS Annual General Meeting
(ANZSCTS Members Only)

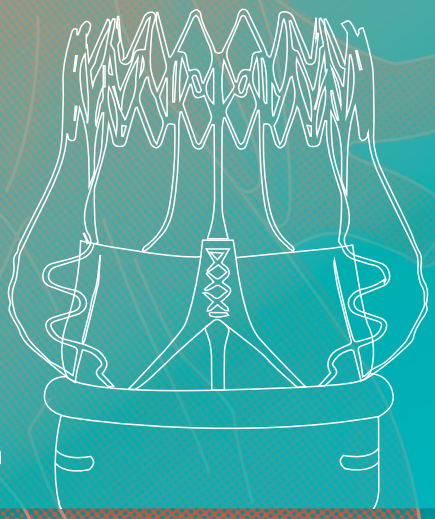
Date: Friday 9 November 2018
Time: 5:30pm – 6:30pm
Room: Noosa Ballroom

RACS Board of Cardiothoracic Surgery Meeting
Date: Sunday 11 November 2018
Time: 8:00am – 10:00am
Room: Laguna 2

ANZSCTS ASM 2018 ORGANISING COMMITTEE

Andrew Cochrane	Chief Scientific Convenor and ANZSCTS Chair, Science and Education Committee
Andrie Stroebel	Scientific Convenor
Douglas Wall	Scientific Convenor
Livia Williams	Scientific Convenor
Toni Hains	Nurses Convenor
Trevor Fayers	ANZSCTS President
Aubrey Almeida	ANZSCTS Vice President
Michael Nugara	ANZSCTS CEO
Nick Danes	ANZSCTS COO

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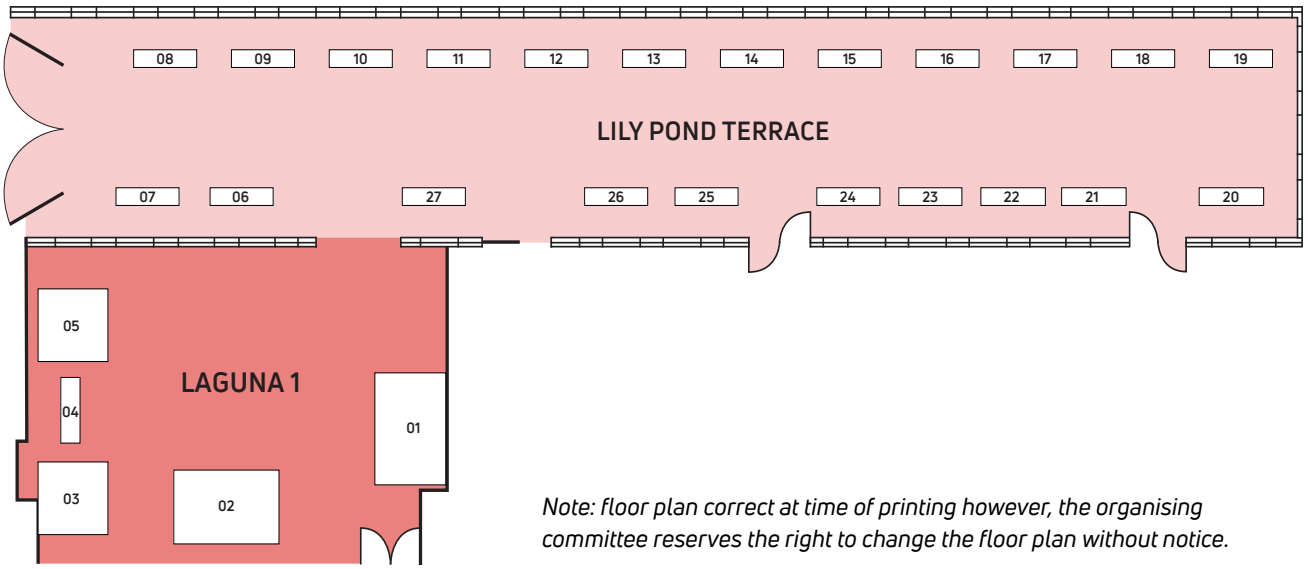
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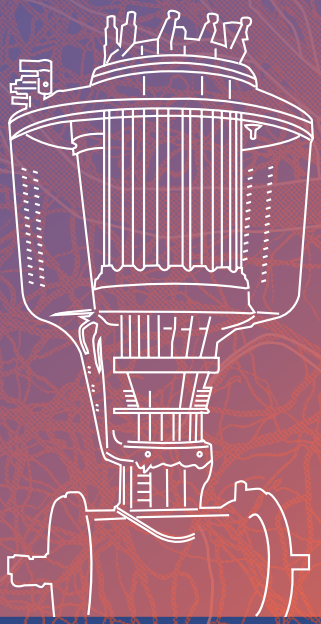


Note: floor plan correct at time of printing however, the organising committee reserves the right to change the floor plan without notice.

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NURSES EDUCATION (INCLUDING ALLIED HEALTH) DAY

Thursday 8 November 2018

8:00am - 10:00am **SESSION 1**
Ballroom 1
Chair: Doa El-Ansary

8:00am Welcome
Toni Hains

8:10am To "p" or not "p" - that is the question
Arie Pieter Kappetein

8:50am Minimally invasive thoracic surgery and intra and post-operative complications
Anthony Linegar

9:25am Enhanced recovery program for cardiothoracic surgery
John Pepper

10:00am - 10:30am **MORNING TEA**
Lily Pond Terrace

10:30am - 11:30am **SESSION 2**
Ballroom 1
Chair: Toni Hains

10:30am Ultrasound technology for management of post-op lung complications
Alistair Royse

10:50am Surgical treatment of atrial fibrillation
Lesley Palmer

11:10am Intraoperative ultrasonic quality assessment and surgical guidance to improve CABG outcomes
Hirokuni Arai

11:30am - 12:30pm **CONCURRENT WORKSHOP 1**
Ballroom 5

Lung complications post-op and point of care ultrasound
Doa El-Ansary and Alistair Royse

11:30am - 12:30pm **CONCURRENT WORKSHOP 2**
Ballroom 1 & 4

Medistim interpretation and hands on

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11:30am - 12:30pm **CONCURRENT WORKSHOP 3**
Ballroom 2 & 3

Anatomy of the heart dissection
Christopher Smith

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12:30pm - 1:30pm **LUNCH**
Lily Pond Terrace

1:30pm - 3:00pm **SESSION 3**
Ballroom 1
Chair: Karen Betts

1:30pm Sternal management
Doa El-Ansary

2:00pm Pilot program cardiac perioperative nurse surgical assistant - Alfred Hospital
Michael Henwood and Charlotte Harris-Nave

2:20pm Heart failure strategies and new artificial heart systems
Volkmar Falk

3:00pm - 3:30pm **AFTERNOON TEA**
Lily Pond Terrace

3:30pm - 5:00pm **SESSION 4**
Ballroom 1
Chair: Toni Hains

Theory and practical session

Cardiac Advanced Life Support (CALS) and re-open scenarios
Amy Rogers, Vikram Masurkar and David Gutierrez

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STATISTICS WORKSHOP

Thursday 8 November 2018

9:00am - 5:00pm	**STATISTICS WORKSHOP** Laguna 2
9:00am	Setting the scene - problems with current design, analysis and reporting of medical research **Geoff Cumming**
9:30am	Critical appraisal (common study types, levels of evidence, study bias, internal versus external validity) **Michael Byrom**
10:00am - 10:30am	**MORNING TEA** Lily Pond Terrace
10:30am	Core statistics (measures of effect confidence intervals, hypothesis tests) **Michael Byrom**
11:00am	Other study types (superiority / equivalence / non-inferiority studies) **Arie Pieter Kappetein**
11:30am	How to review a paper **Arie Pieter Kappetein**
12:30pm - 1:30pm	**LUNCH** Lily Pond Terrace
1:30pm	Multivariate analysis (logistic regression - risk-adjusted mortality using ANZSCTS Multirisk score) **Michael Byrom**
2:00pm	Multivariate analysis (hazards regression - interpretation of survival studies) **Michael Byrom**
2:30pm	Meta-analysis **Michael Seco**
3:00pm - 3:30pm	**AFTERNOON TEA** Lily Pond Terrace
3:30pm	'Open science' - the answer to the problem? **Geoff Cumming**
4:30pm	Setting up a trial **Arie Pieter Kappetein**

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1. Ruel M, Rubens FD, Masters RG, et al. Late incidence and predictors of persistent or recurrent heart failure in patients with aortic prosthetic valves. J Thorac Cardiovasc Surg. 2004;127(1):149-59.

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ADVANCED TRAINEES DAY

Thursday 8 November 2018

9:00am – 11:00am	**ADVANCED TRAINEES WET LAB** Ballroom 2 & 3 **Pragnesh Joshi and Rishendran Naidoo**
11:00am – 11:30am	**ADVANCED TRAINEES BENCH ANASTOMOSIS DRY LAB** Lily Pond Terrace **Christopher Cole and Rishendran Naidoo**
11:30am – 12:30pm	**LUNCH** Lily Pond Terrace
12:30pm - 1:30pm	**ADVANCED TRAINEES VASCULAR ULTRASOUND WORKSHOP** Ballroom 5 **David Canty**
1:30pm - 3:00pm	**ADVANCED TRAINEES PLENARY SESSION 1** Ballroom 3
1:30pm	Minimally invasive valve surgery **Volkmar Falk**
2:15pm	Radiology Tute, thoracic clinical and exam scenarios **Anthony Linegar**
3:00pm - 3:30pm	**AFTERNOON TEA** Lily Pond Terrace
3:30pm - 5:00pm	**ADVANCED TRAINEES PLENARY SESSION 2**
3:30pm	Ischaemic mitral valve repair **Hirokuni Arai**
4:15pm	New developments in the management of aortic dissection **John Pepper**
5:15pm - 6:00pm	**BOARD OF CARDIOTHORACIC SURGERY TRAINEES MEETING** Laguna 2

SCIENTIFIC PROGRAM

Friday 9 November 2018

8:00am - 10:00am **SESSION 1: MITRAL AND TRICUSPID SURGERY**
Noosa Ballroom
Chairs: Andrew Cochrane and Trevor Fayers

8:00am President's Welcome
Trevor Fayers

8:10am Minimally invasive mitral valve repair - Volume outcome relation and implications for training
Volkmar Falk

8:30am Surgical strategy for functional MR (effectiveness of papillary muscle relocation)
Hirokuni Arai

8:50am Hybrid and percutaneous mitral interventions
Paul Jansz

9:10am The redo with severe TR and percutaneous options?
Aubrey Almeida

9:30am Carcinoid heart disease and valve surgery
Marco Larobina

9:45am A novel tissue engineered bio-scaffold (CardioCel®) for cardiovascular & valvular procedures
Leon Neethling

10:00am - 10:30am **MORNING TEA**
Lily Pond Terrace

10:30am - 12:30pm **SESSION 2: AORTIC SURGERY**
Noosa Ballroom
Chairs: Paul Bannon and Livia Williams

10:30am PEARS, a prophylactic operation for aortopathy affecting the ascending aorta and root
John Pepper

11:00am Aortic genetic syndromes
Christopher Whight

11:20am Follow up of aortopathy: Tasmanian perspective
Ashutosh Hardikar

11:40am Total aortic repair in acute type A aortic dissections
Shoane Ip

12noon Panel Discussion
John Pepper, Christopher Whight, Volkmar Falk, Hirokuni Arai, Ashutosh Hardikar and Shoane Ip. To be led by Paul Bannon.

12:20pm Intra-operative 3D model application as surgical navigation for aortic valve leaflet reconstruction
Takeo Tedoriya

12:30pm - 1:30pm **LUNCH**
Lily Pond Terrace

12:30pm – 1:20pm **ANZSCTS BOARD MEETING (BY INVITATION)**
Laguna 2

12:30pm - 1:20pm **MINI ORALS**
Noosa Ballroom
Chairs: David Andrews and Julian Smith

12:30pm Congenital cardiac surgery in the modern era: a thirty year New Zealand experience
Gareth Crouch

12:35pm Analysing the impact on morbidity and mortality of eliminating competitive flow in coronary artery bypass grafts to left anterior descending artery using transit time ultrasound
Hugh Wolfenden

SCIENTIFIC PROGRAM (CONT'D)

12:40pm	Functional outcomes following surgical management of pulmonary atresia with intact ventricular septum: a Queensland experience **Douglas Bell**
12:45pm	A novel method of cardioprotection via inhibition of acid-sensing ion channel (ASIC) 1a **Sarah Scheuer**
12:50pm	The obesity paradox within cardiothoracic surgery **Abby Walsh**
12:55pm	Carbon dioxide insufflation reduces airborne contamination in a cardiac wound cavity model **David McCormack**
1:00pm	Network meta-analysis of antiplatelet therapy following CABG: none versus one versus two antiplatelet agents **Adam Chakos**
1:05pm	Reduction ascending aortoplasty suitability of waist coat aortoplasty Egyptian experience with reference to the Gold Coast experience **Ahmed El Bishry**
1:10pm	The frequency and outcomes of limited-access valve, all-arterial graft and off-pump coronary surgery in Australia **Gil Shardey**
1:15pm	Mandatory ultrasound-guided pleural drain and vascular cannulation training program for cardiothoracic trainees: a scalable solution **David Canty**
1:30pm - 3:15pm	**SESSION 3: THORACIC SURGERY** Noosa Ballroom **Chairs: Andrie Stroebel and Morgan Windsor**
1:30pm	Keynote Lecture - Lung Cancer **Anthony Linegar**
2:00pm	Advances in imaging for lung cancer **Taryn Reddy**
2:20pm	Advances in chemotherapy / immune therapy **Kenneth O'Byrne**
2:50pm	SABR rattling **Rishendran Naidoo**
3:05pm	Validating iTAP: a score to predict postoperative survival of patients undergoing surgical pleurodesis **Jazmin Echkaus**
1:30pm - 3:15pm	**ABSTRACTS / FREE PAPERS** Laguna 2 **Chairs: Aubrey Almeida and Philip Davis**
1:30pm	Mitral valve surgery in patients with extensive mitral annular calcification - outcomes and long term follow up **Michael Gardner**
1:40pm	Beating heart single port transthoracic access to the right atrium for tricuspid annuloplasty band placement through circulating blood **Paul Werner**
1:50pm	Virtual reality image analysis in aortic valve leaflet reconstruction **Takeo Tedoriya**
2:00pm	Efficacy of EuroSCORE II, AusSCORE II and STS score in isolated coronary surgery in a New Zealand population **Navneet Singh**
2:10pm	Comparison of direct versus side-arm graft cannulation of the axillary artery in patients with acute Type A aortic dissection **Arpit Talwar**

SCIENTIFIC PROGRAM (CONT'D)

2:20pm	Characterisation of skeletal muscle oxygen kinetics after cardiac surgery **Mathew Doyle**
2:30pm	Rapid bedside frailty assessment and cardiac surgery outcomes: A pilot study **Felicity McIvor**
2:40pm	Preoperative full blood count markers as a predictor of mortality and morbidity risk after cardiac surgery **Cheyaanthan Haran**
2:50pm	First Australian series of totally thoracoscopic left atrial appendage occlusion with AtriClip PRO2TM device in Australia - an alternative to percutaneous device **Pragnesh Joshi**
3:00pm	Reoperations after single-ventricle palliation: The Fontan may not be the final procedure **Michael Daley**
3:15pm - 3:45pm	**AFTERNOON TEA** Lily Pond Terrace
3:45pm - 5:30pm	**SESSION 4: CAREER PLANNING & UNIT DEVELOPMENT** Noosa Ballroom **Chairs: Livia Williams and Gilbert Ford**
3:45pm	Is super-specialization the future of Cardiothoracic surgery? **Arie Pieter Kappetein**
4:05pm	Leadership and succession planning in cardiac surgery **John Pepper**
4:25pm	Developing thoracic surgery programs in South Africa **Anthony Linegar**
4:40pm	Results of the surgical workforce review in Australia **Fabiano Viana**
4:50pm	Training and preparation for contemporary Cardiothoracic surgery **Julian Smith**
5:00pm	Bringing out the best in trainees **Ashutosh Hardikar**
5:10pm	Establishing a game plan as a trainee / fellow **Marco Larobina**
5:20pm	Medtronic pipeline: Our future in cardiac surgery **Arie Pieter Kappetein**

Proudly supported by: Medtronic

3:45pm - 5:30pm	**ABSTRACTS / FREE PAPERS** Laguna 2 **Chairs: Emily Granger and Allen James**
3:45pm	ECMO post DCD heart transplantation: A retrospective study **Hong Chee Chew**
3:55pm	Long-term survival and related outcomes for hybrid versus traditional arch repair - a meta-analysis **Adam Chakos**
4:05pm	Endoscopic radial artery and saphenous vein harvest for CABG: Early and mid-term outcomes **Wing Kuk Timmy Au**
4:15pm	CRAM charts: State of the art performance monitoring for cardiac surgery in Australasia **Michael Byrom**
4:25pm	Inherent danger of dabigatran in cardiothoracic surgical patients **Damian Gimpel**

SCIENTIFIC PROGRAM (CONT'D)

4:35pm	Recent Australian trends in prosthetic heart valve selection **Justin Chan**
4:45pm	Comparing the long-term outcome of the right ventricle to pulmonary artery conduit insertion using the Medtronic® freestyle porcine valve versus pulmonary allograft valve in adult patients with congenital heart disease **Amalan Thuraisingam**
4:55pm	A 'real-world' comparison of TEG5000 and TEG6s measurements and guided clinical management **David McCormack**
5:05pm	Hyaluronan in ex vivo lung perfusion: A key component in lung endothelium and possible therapeutic intervention **Timothy Sladden**
5:15pm	The Ongoing Evolution of DCD Heart Transplantation in Australia: an update on current clinical practice **Sarah Scheuer**
5:30pm – 6:30pm	**ANZSCTS ANNUAL GENERAL MEETING** Noosa Ballroom
7:30pm	**PRESIDENT'S DINNER (BY INVITATION)**

Saturday 10 November 2018

7:00am - 8:15am	**MASTERCLASS - MEDTRONIC** Laguna 2 Non-invasive mapping for atrial fibrillation in cardiac surgery **Marek Ehrlich** *Proudly supported by:* Medtronic
7:00am - 8:15am	**MASTERCLASS - LIVANOVA** Noosa Ballroom Advancing left atrial appendage management *Proudly supported by:* LivaNova Health innovation that matters
8:20am - 10:15am	**SESSION 5: CORONARY REVASCULARIZATION** Noosa Ballroom **Chairs: Adam El Gamel and Douglas Wall**
8:20am	SYNTAX and EXCEL study: CABG or PCI for left main diseases? **Arie Pieter Kappetein**
8:40am	Intraoperative ultrasonic quality assessment and surgical guidance to improve CABG outcomes **Hirokuni Arai**
9:00am	2018 ESC / EACTS guidelines on myocardial revascularization **Volkmar Falk**
9:20am	Conduit selection debate
9:45am	ANZSCTS Database Review **Jenni Williams-Spence**
10:00am	RACS Censor-in Chief **Anthony Sparnon**
10:15am - 10:45am	**MORNING TEA** Lily Pond Terrace

SCIENTIFIC PROGRAM (CONT'D)

10:45am - 12:30pm **SESSION 6: THORACIC SURGERY**
Noosa Ballroom

Chairs: Phillip Antippa and Andrie Stroebel

10:45am Management of complex emphyema and the infected pleural space
Anthony Linegar

11:10am Mass casualties - what can you do?
Alexandra Douglas

11:30am Thoracic injuries in the warzone
Alistair Royse

11:45am Thoracic injuries for the non thoracic surgeon
Adam Zimmet

12:00pm Massive transfusion: learnings from the frontline
James Winearls

12:15pm Pathways to thoracic surgery for lung cancer patients - sensitive referral or serendipity?
Damian Gimpel

10:45am – 11:30am **MINI ORALS**
Laguna 2

Chairs: Aubrey Almeida and Michael Byrom

10:45am What exercise prescription maximises cognitive and functional recovery during Phase II Cardiac rehabilitation? A systematic review with meta-analysis
Jacqueline Pengelly

10:50am Surgical management of pulmonary atresia with ventricular septal defects and Major Aorta Pulmonary Collaterals
Weidan Chan

10:55am Challenges faced in the learning curve of uniportal VATS
Timothy Oh

11:00am Early discharge from intensive care after cardiac surgery is feasible with an adequate fast track, stepdown unit: Waikato experience
Damian Gimpel

11:05am Prehabilitation for individuals having lung cancer surgery
Anna Shukla

11:10am An ovine model of mitral bioprosthetic valve induced left ventricular outflow tract obstruction due to systolic anterior motion of the fully retained native anterior leaflet
Hugh Paterson

11:15am Learning curve for aortic valve replacement via right anterior thoracotomy
Priscilla Bevan

11:20am ECG changes associated with Intuity Edwards rapid deployment aortic valve
Amalan Thuraisingam

11:25am Where are they now? An update on the first Australian case of Mycobacterium Chimaera infection following cardiac surgery
Tovi Vo

11:30am **BREAK**

11:35am - 12:30pm **Chairs: Shoane Ip and Anil Prabhu**

11:35am Australia-wide experience with tissue-engineered bovine pericardium (CardioCel®) for the repair of congenital heart defects
Douglas Bell

11:40am Drug-eluting stents versus baremetal stents for saphenous vein grafts lesions
Daniel Florisson

SCIENTIFIC PROGRAM (CONT'D)

11:45am	Changes in the six minute walk assessment and walking performance after cardiac surgery **Sean Mungovan**
11:50am	Hybrid repair of aneurysms of aortic arch: Is this the future treatment modality **Ahmed EL Bishry**
11:55am	Predicting unexpected postoperative air leak in thoracic surgery using digital chest drains **Nima Yaftian**
12:00pm	Stuck between a rock and a hard place: "Kokeshi Phenomenon" **Damian Gimpel**
12:05pm	Patient safety and current practice during chest drain insertion **Matthew Doyle**
12:10pm	Temporary right ventricular assistance show no benefit over permanent devices **James Farag**
12:15pm	Outcome of paracorporeal biventricular assist device in INTERMACS profile 1 and 2 patients: A quaternary referral center experience **Wing Kuk Timmy Au**
12:20pm	The sequence of aortic and mitral valve replacement in double valve surgery. Does it matter? **Tim Surman**
12:30pm - 1:30pm	**LUNCH** Lily Pond Terrace
12:30pm - 1:30pm	**LECTURE / SCENARIOS – CONCURRENT CPB CATASTROPHES** Noosa Ballroom **Arthur Prevolos**

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1:30pm - 2:15pm	**SESSION 7: MECHANICAL SUPPORT AND HEART FAILURE** Noosa Ballroom **Chairs: Emily Granger and Adam Zimmet**
1:30pm	Mechanical circulatory support - new momentum? **Volkmar Falk**
1:45pm	A lifetime in heart and lung transplantation **Phillip Spratt**
2:05pm	The role of the Impella in cardiac surgery **Alasdair Watson**
2:20pm - 3:20pm	**THE PATRICK PRITZWALD-STEGMANN PRIZE** Noosa Ballroom **Chairs: Andrew Cochrane and Trevor Fayers**
2:20pm	Long-term pulmonary valve function after the Ross Procedure **Tyson Fricke**
2:35pm	A bovine ex vivo model of the donor heart: The effect of preservation solutions **Charles Jenkinson**
2:50pm	Initial reconstruction of the right ventricular outflow tract and subsequent conduit replacement in a paediatric population **Akshat Saxena**

SCIENTIFIC PROGRAM (CONT'D)

3:05pm	Outcomes of primary valvular surgery in Indigenous Australians with rheumatic heart disease **Matthew Yong**
3:20pm - 3:50pm	**AFTERNOON TEA** Lily Pond Terrace
3:50pm - 5:00pm	**SESSION 8: THE HIGH RISK PATIENT** Noosa Ballroom **Chairs: Jayme Bennetts and Christopher Cole**
3:50pm	TAVI - a surgical procedure? **Volkmar Falk**
4:05pm	Surgeon led TAVI team **Levi Bassin**
4:20pm	International perspectives - the high risk patient **Arie Pieter Kappetein**
4:35pm	Salvage of TAVI patients **Emily Granger**
4:45pm	Panel Discussion
3:50pm - 5:00pm	**ABSTRACTS / FREE PAPERS** Laguna 2 **Chairs: Ashutosh Hardikar and Gavin Wright**
3:50pm	Common carotid artery cannulation for cerebral and arterial perfusion in complex aortic surgery **Jaishankar Raman**
4:00pm	What can sheep tell us about optimal cardiopulmonary bypass? **Andrew Cochrane**
4:10pm	Sternum sparing bilateral anterolateral thoracotomy approach improves early respiratory function after bilateral sequential lung transplantation **George Jose Valooran**
4:20pm	Minimally-invasive aortic valve replacement - the optimal surgical alternative to Transcatheter Aortic Valve Replacement (TAVI)? **Mathew Doyle**
4:30pm	Catamenial pneumothorax: An audit and case series **William Foot**
4:40pm	A unique 3D aortic model to risk stratify aortic pathology **Tim Surman**
4:50pm	Material properties of chest drain tubes and potential effects on postoperative pain **Minh Tran**
7:00pm - 10:30pm	**ANZSCTS MEETING DINNER (TICKETED EVENT)** Noosa Ballroom

Sunday 11 November 2018

8:00am – 10:00am	**CARDIOTHORACIC BOARD OF STUDIES (BY INVITATION)** Laguna 2
10:00am - 10:30am	**MORNING TEA** Lily Pond Terrace
10:30am - 12:30pm	**THORACIC DATABASE DISCUSSION** Laguna 2
12:30pm - 1:30pm	**LUNCH** Lily Pond Terrace

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SAVE THE DATE

ANZSCTS 2019

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ANZSCTS ANNUAL SCIENTIFIC MEETING

7-10 NOVEMBER 2019 | HOTEL GRAND CHANCELLOR, HOBART, TASMANIA

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AUSTRALIAN & NEW ZEALAND SOCIETY OF CARDIAC & THORACIC SURGEONS

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