ANZSCTS

Annual Scientific Meeting 2018

8-11 November 2018
Sofitel Noosa Pacific
Queensland, Australia

www.anzsctsasm.com

FINAL PROGRAM
CONTENTS

WELCOME 03
SPONSORS 04
INVITED SPEAKERS 06
GENERAL INFORMATION 10
ANZSCTS ASM 2018 ORGANISING COMMITTEE 12
INDUSTRY EXHIBITION 14
NURSES EDUCATION (INCLUDING ALLIED HEALTH) DAY 16
STATISTICS WORKSHOP 18
ADVANCED TRAINEES DAY 20
SCIENTIFIC PROGRAM 21
ASM 2019 SAVE THE DATE - GRAND CHANCELLOR HOBART 31
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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Grant Program:

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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 Coauthor 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 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.

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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.

Therefore 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.

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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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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:

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
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<tbody>
<tr>
<td>Thursday 8 November</td>
<td>7:00am to 5:00pm</td>
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<tr>
<td>Friday 9 November</td>
<td>7:00am to 5:30pm</td>
</tr>
<tr>
<td>Saturday 10 November</td>
<td>6:30am to 5:30pm</td>
</tr>
<tr>
<td>Sunday 11 November</td>
<td>7:30am to 10:30am</td>
</tr>
</tbody>
</table>

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.
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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Mitral
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- Memo 3D ReChord
  Advanced solution: ring of choice in mitral valve repair – for physiological annulus motion and neo chordae sizing system

Not all products available in all countries, please consult local label.

Please always refer to the Instructions For Use (IFU) manual provided with each product for detailed information, warnings, precautions and possible adverse side effects.
INDUSTRY EXHIBITION

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

BOOTH  COMPANY NAME
5 .................. Abbott Medical
9 .................. Admedus
22 ................. Advanced Biomedical
4 .................. ANZSCTS Database
26 ................. Avant Mutual
18 ................. BD Bard
16 .................. Bio-Excel (Australia) Pty Ltd
13 .................. De Soutter Medical
7 .................. Defence Jobs Australia
25 ................. Device Technologies
3 ................. Edwards Lifesciences
14 .................. Fisher & Paykel Healthcare
11 ................. Getinge
19 .................. Hearts4Heart

BOOTH  COMPANY NAME
10 .................. Johnson & Johnson Medical
6 .................. Karl Storz Endoscopy Australia Pty Ltd
2 .................. LivaNova
15 ................. MediGroup EBI
1 ................. Medtronic
8 ................. Perios
17 ................. Roche
23 ................. Scanlan International, Inc.
20 ................. Scanmedics
24 ................. Siemens Healthineers
27 ................. Teleflex Medical Australia
12 ................. Terumo Australia Pty Ltd
21 .................. Zimmer Biomet
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LivaNova – sustaining their future
IM-01091/A
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

11:30am - 12:30pm | CONCURRENT WORKSHOP 3  
Ballroom 2 & 3
Anatomy of the heart dissection  
Christopher Smith

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
3:30pm | Theory and practical session  
Amy Rogers, Vikram Masurkar and David Gutierrez
Introducing the INSPIRIS RESILIA aortic valve – the first product offering in a new class of resilient heart valves.

Shouldn’t your patients have a valve as resilient as they are?

Discover more at Edwards.com
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
FOR EACH INCREASE OF 1 MMHG IN MEAN GRADIENT,
THE RELATIVE RISK OF HEART FAILURE (HF) RECURRENCE OR HF-RELATED DEATH IS INCREASED BY 6%'

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
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
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
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>12:40pm</td>
<td>Functional outcomes following surgical management of pulmonary atresia with intact ventricular septum: a Queensland experience</td>
<td>Douglas Bell</td>
</tr>
<tr>
<td>12:45pm</td>
<td>A novel method of cardioprotection via inhibition of acid-sensing ion channel (ASIC) 1a</td>
<td>Sarah Scheuer</td>
</tr>
<tr>
<td>12:50pm</td>
<td>The obesity paradox within cardiothoracic surgery</td>
<td>Abby Walsh</td>
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<tr>
<td>12:55pm</td>
<td>Carbon dioxide insufflation reduces airborne contamination in a cardiac wound cavity model</td>
<td>David McCormack</td>
</tr>
<tr>
<td>1:00pm</td>
<td>Network meta-analysis of antiplatelet therapy following CABG: none versus one versus two antiplatelet agents</td>
<td>Adam Chakos</td>
</tr>
<tr>
<td>1:05pm</td>
<td>Reduction ascending aortoplasty suitability of waist coat aortoplasty Egyptian experience with reference to the Gold Coast experience</td>
<td>Ahmed El Bishry</td>
</tr>
<tr>
<td>1:10pm</td>
<td>The frequency and outcomes of limited-access valve, all-arterial graft and off-pump coronary surgery in Australia</td>
<td>Gil Shardey</td>
</tr>
<tr>
<td>1:15pm</td>
<td>Mandatory ultrasound-guided pleural drain and vascular cannulation training program for cardiothoracic trainees: a scalable solution</td>
<td>David Canty</td>
</tr>
</tbody>
</table>
| 1:30pm - 3:15pm | Session 3: Thoracic Surgery  
Noosa Ballroom  
Chairs: Andrie Stroebel and Morgan Windsor | |
## SCIENTIFIC PROGRAM (CONT’D)

<table>
<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>2:20pm</td>
<td>2:30pm</td>
<td>Characterisation of skeletal muscle oxygen kinetics after cardiac surgery</td>
<td>Mathew Doyle</td>
</tr>
<tr>
<td>2:40pm</td>
<td>2:50pm</td>
<td>Rapid bedside frailty assessment and cardiac surgery outcomes: A pilot study</td>
<td>Felicity McIvor</td>
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<tr>
<td>3:00pm</td>
<td>3:15pm</td>
<td>Preoperative full blood count markers as a predictor of mortality and morbidity risk after cardiac surgery</td>
<td>Cheyaanthan Haran</td>
</tr>
<tr>
<td>3:45pm</td>
<td>4:05pm</td>
<td>First Australian series of totally thoracoscopic left atrial appendage occlusion with AtriClip PRO2TM device in Australia - an alternative to percutaneous device</td>
<td>Pragnesh Joshi</td>
</tr>
<tr>
<td>3:45pm</td>
<td>3:55pm</td>
<td>Reoperations after single-ventricle palliation: The Fontan may not be the final procedure</td>
<td>Michael Daley</td>
</tr>
<tr>
<td>4:05pm</td>
<td>4:25pm</td>
<td>Leadership and succession planning in cardiac surgery</td>
<td>John Pepper</td>
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<tr>
<td>4:25pm</td>
<td>4:40pm</td>
<td>Developing thoracic surgery programs in South Africa</td>
<td>Anthony Linegar</td>
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<td>4:40pm</td>
<td>5:00pm</td>
<td>Results of the surgical workforce review in Australia</td>
<td>Fabiano Viana</td>
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<tr>
<td>5:00pm</td>
<td>5:10pm</td>
<td>Training and preparation for contemporary Cardiothoracic surgery</td>
<td>Julian Smith</td>
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<tr>
<td>5:20pm</td>
<td></td>
<td>Bringing out the best in trainees</td>
<td>Ashutosh Hardikar</td>
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<td>5:00pm</td>
<td>5:10pm</td>
<td>Establishing a game plan as a trainee / fellow</td>
<td>Marco Larobina</td>
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<tr>
<td>5:20pm</td>
<td>5:30pm</td>
<td>Medtronic pipeline: Our future in cardiac surgery</td>
<td>Arie Pieter Kappetein</td>
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### ABSTRACTS / FREE PAPERS

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<tbody>
<tr>
<td>3:45pm</td>
<td>4:05pm</td>
<td>ECMO post DCD heart transplantation: A retrospective study</td>
<td>Hong Chee Chew</td>
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<tr>
<td>3:55pm</td>
<td>4:25pm</td>
<td>Long-term survival and related outcomes for hybrid versus traditional arch repair - a meta-analysis</td>
<td>Adam Chakos</td>
</tr>
<tr>
<td>4:05pm</td>
<td>4:25pm</td>
<td>Endoscopic radial artery and saphenous vein harvest for CABG: Early and mid-term outcomes</td>
<td>Wing Kuk Timmy Au</td>
</tr>
<tr>
<td>4:25pm</td>
<td>5:00pm</td>
<td>CRAM charts: State of the art performance monitoring for cardiac surgery in Australasia</td>
<td>Michael Byrom</td>
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<tr>
<td></td>
<td>5:10pm</td>
<td>Inherent danger of dabigatran in cardiothoracic surgical patients</td>
<td>Damian Gimpel</td>
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</tbody>
</table>
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

7:00am - 8:15am  MASTERCLASS - LIVANOVA
        Noosa Ballroom
        Advancing left atrial appendage management

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 Sparron
        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

<table>
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<tr>
<td>10:45am</td>
<td>Management of complex emphyema and the infected pleural space</td>
<td>Anthony Linegar</td>
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<tr>
<td>11:05am</td>
<td>Early discharge from intensive care after cardiac surgery is feasible</td>
<td>Damian Gimpel</td>
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<td></td>
<td>after an adequate fast track, stepdown unit: Waikato experience</td>
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<td>11:10am</td>
<td>Mass casualties - what can you do?</td>
<td>Alexandra Douglas</td>
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<tr>
<td>11:10am</td>
<td>Prehabilitation for individuals having lung cancer surgery</td>
<td>Anna Shukla</td>
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<td>11:30am</td>
<td>Thoracic injuries in the warzone</td>
<td>Alistair Royse</td>
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<td>An ovine model of mitral bioprosthetic valve induced left ventricular</td>
<td>Hugh Paterson</td>
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<td>outflow tract obstruction due to systolic anterior motion of the fully</td>
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<td>retained native anterior leaflet</td>
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<td>11:45am</td>
<td>Thoracic injuries for the non thoracic surgeon</td>
<td>Adam Zimmet</td>
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<td>Learning curve for aortic valve replacement via right anterior thoracot</td>
<td>Priscilla Bevan</td>
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<td>12:00pm</td>
<td>Massive transfusion: learnings from the frontline</td>
<td>James Winearls</td>
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<td>ECG changes associated with Intuity Edwards rapid deployment aortic</td>
<td>Amalan Thuraisingam</td>
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<td>Australia-wide experience with tissue-engineered bovine pericardium</td>
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<td>(CardioCel®) for the repair of congenital heart defects</td>
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<td>10:45am</td>
<td>What exercise prescription maximises cognitive and functional recovery</td>
<td>Jacqueline Pengelly</td>
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<td>during Phase II Cardiac rehabilitation? A systematic review with meta-</td>
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<td>analysis</td>
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<td>10:50am</td>
<td>Surgical management of pulmonary atresia with ventricular septal defects</td>
<td>Weidan Chan</td>
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<td>and Major Aorta Pulmonary Collaterals</td>
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<tr>
<td>10:55am</td>
<td>Challenges faced in the learning curve of uniportal VATS</td>
<td>Timothy Oh</td>
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<tr>
<td>11:35am</td>
<td>Australia-wide experience with tissue-engineered bovine pericardium</td>
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<td>(CardioCel®) for the repair of congenital heart defects</td>
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<tr>
<td>11:35am</td>
<td>Drug-eluting stents versus baremetal stents for saphenous vein grafts</td>
<td>Daniel Florisson</td>
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<tr>
<td>11:35am</td>
<td>Where are they now? An update on the first Australian case of Mycobacterium Chimaera infection following cardiac surgery</td>
<td>Tovi Vo</td>
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<td></td>
<td>Break</td>
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<td>Time</td>
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</tbody>
</table>
| 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 |
| 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-STEIGMANN 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)

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<th>Presenter(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3:05pm</td>
<td>Outcomes of primary valvular surgery in Indigenous Australians with rheumatic heart disease</td>
<td></td>
<td>Matthew Yong</td>
</tr>
</tbody>
</table>
| 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**

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<tr>
<th>Time</th>
<th>Session</th>
<th>Location</th>
<th>Venue</th>
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</table>
| 8:00am - 10:00am | **CARDIOTHORACIC BOARD OF STUDIES (BY INVITATION)**  
Laguna 2 |                                           |                                     |
| 10:00am - 10:30am | **MORNING TEA**  
Lily Pond Terrace |                                           | Lily Pond Terrace  |
| 10:30am - 12:30pm | **THORACIC DATABASE DISCUSSION**  
Laguna 2 |                                           |                                     |
| 12:30pm - 1:30pm | **LUNCH**  
Lily Pond Terrace |                                           | Lily Pond Terrace  |
ANZSCTS ANNUAL SCIENTIFIC MEETING
7-10 NOVEMBER 2019 | HOTEL GRAND CHANCELLOR, HOBART, TASMANIA

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anzsctsasm@surgeons.org
www.anzsctsasm.com
FURTHER INFORMATION

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F: +61 3 9276 7431
E: anzsctsasm@surgeons.org