

3SCTS 2022

The inaugural
Tri-Society Cardiac & Thoracic Symposium
Wednesday 16 - Saturday 19 November 2022
Cairns Convention Centre, Cairns, Queensland, Australia

PROVISIONAL PROGRAM

(Correct as at September 2022, however the organising committee reserve the right to change the program without notice)

Please refer to the Symposium website for further information on our speakers

THURSDAY 17 NOVEMBER 2022

8:00am - 8:10am	SYMPOSIUM WELCOME Jayme Bennetts (Adelaide), Rob Baker (Adelaide) and Martin Kim (Melbourne)	1:40pm	Neurocognitive David Scott (Melbourne)
8:10am - 10:00am	SESSION 1: CARDIAC CARE IN 2030 Chairs: Rob Baker (Adelaide), Jayme Bennetts (Adelaide) and Martin Kim (Melbourne)	2:00pm	Frailty Jai Darvall (Melbourne)
8:10am	A Surgeon's Prediction Bob Kiaii (Sacramento, USA)	2:20pm	Inotropes and Vasopressors: Science, Evidence, Art Fabio Guarracino (Pisa, Italy)
8:30am	An Anaesthetist's Prediction David Scott (Melbourne)	2:40pm	Discussion
8:50am	A Perfusionist's Prediction Kenneth Shann (Boston, USA)	1:00pm - 3:00pm	CONCURRENT SESSION 3A: THORACIC SURGERY AND ANAESTHESIA 1 Chairs: Jazmin Eckhaus (Melbourne) and Jaime O'Loughlin (Auckland)
9:10am	An Echocardiographer's Prediction Stan Shernan (Boston, USA)	1:00pm	Lung Volume Reduction Surgery - When, Who, and Why? Abbas Abbas (Philadelphia, USA)
9:30am	A Cardiologist's Prediction David Muller (Sydney)	1:25pm	Update on surgery for mesothelioma Julian Gooi (Melbourne)
9:50am	Discussion	1:40pm	VATS- Dealing with Vascular Injuries, Mediastinal Node Dissection, Small Nodules Stephen Barnett (Melbourne)
10:00am - 10:30am	Morning Tea with Industry	1:55pm	Empyema - Not the Registrar's Operation! Michael Harden (Sydney)
10:30am - 12noon	SESSION 2: BUILDING FOR A STRONG FUTURE Chairs: Emily Granger (Sydney) and Warren Pavey (Perth)	2:10pm	Regional Anaesthesia and Opioid Sparing in Thoracic Surgery Kris Skeggs (Brisbane)
10:30am	Healthcare challenges in a Post-Pandemic world Dr Brendan Murphy AC Secretary (Canberra)	2:25pm	Lung Transplant Update - What's New on the Horizon Arjun Iyer (Sydney)
10:55am	Globalisation of Cardiac Care Madhav Swaminathan (Durham, USA)	2:40pm	Discussion
11:20am	Getting better outcomes in Cardiac Surgery Julie Mundy (Brisbane)	3:00pm - 3:30pm	Afternoon Tea with Industry
11:45am	Discussion	3:30pm - 5:00pm	CONCURRENT SESSION 4A: CARDIAC & THORACIC SURGERY ABSTRACTS Chairs: Julie Mundy (Brisbane) and Ben Dunne (Melbourne)
12noon - 1:00pm	Lunch with Industry	3:30pm - 5:00pm	CONCURRENT SESSION 4B: CARDIAC ANAESTHESIA ABSTRACTS Chair: Andrew Silvers (Melbourne)
1:00pm - 3:00pm	SESSION 3: MAKING A DIFFERENCE Chairs: Andrew Cochrane (Melbourne) and Jo Irons (Sydney)	3:30pm - 5:00pm	CONCURRENT SESSION 4C: PERFUSION ABSTRACTS Chairs: Steve Horton (Melbourne) and David Fitzgerald (Charleston, USA)
1:00pm	Renal Protection Madhav Swaminathan (Durham, USA)		
1:20pm	Myocardial Protection Rob Baker (Adelaide)		

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THURSDAY 17 NOVEMBER 2022 (CONT'D)

- 5:00pm - 6:00pm **ANZSCTS AGM**
5:00pm - 6:00pm **CTVP SIG AGM**
6:00pm - 9:00pm **WELCOME RECEPTION**

FRIDAY 18 NOVEMBER 2022

- 7:00am - 8:15am **MASTERCLASS (MEDTRONIC)**
8:30am - 10:00am **SESSION 5: EVIDENCE BASED MEDICINE**
Chairs: David Scott (Melbourne) and Tim Willcox (Auckland)
8:30am Fooled By Significance Testing
David Sidebotham (Auckland)
8:55am Innovations in Cardiac Trial Design
Paul Myles (Melbourne)
9:20am Basic Science: The Ground Floor
John Fraser (Brisbane)
9:45am Discussion
10:00am - 10:30am Morning Tea with Industry
10:30am - 12:30pm **SESSION 6: THE HEART OF THE MATTER**
Chairs: Christine Goh (Auckland) and Andrew Silvers (Melbourne)
10:30am CABG Evidence Update
William Shi (USA, Online)
10:50am Teaching Coronary Bypass in the Current Era
George Tolis (Boston, USA) - Online
11:10am Case Presentation - Part 1
Arjun Iyer (Sydney)
11:15am Management of the Sick Heart
Sara-Jane Allen (Auckland)
11:40am Post-cardiotomy ECMO: Lessons Learnt
Silvana Marasco (Melbourne)
12:05pm Case Presentation - Part 2
Arjun Iyer (Sydney)
12:10pm Discussion
10:30am - 12:30pm **CONCURRENT SESSION 6A: THORACIC SURGICAL AND CONGENITAL DATABASES AND MINI-ORAL ABSTRACTS**
Chairs: Phillip Antippa (Melbourne) and Jordan Ross (Brisbane)
10:30am ANZTHOR Database
Philip Antippa (Melbourne)
10:45am ANZCOR Registry
Nelson Alphonso (Brisbane)

- 11:00am Mini Orals
12:15pm Discussion
10:30am - 12:30pm **CONCURRENT SESSION 6B: PERFUSION EDUCATION AND TRAINING (STUDENT ONLY)**
Chair: Casey Edwards (Sydney)
10:30am MUSC update
David Fitzgerald (Charleston, USA)
11:00am Perfusion leadership
Kenneth Shann (Boston, USA)
11:30am STUDENT ONLY breakout session
Casey Edwards (Sydney)
12:30pm - 1:30pm Lunch with Industry
1:30pm - 3:00pm **SESSION 7: TRANSCATHETER INTERVENTIONS**
Chairs: Levi Bassin (Sydney) and Ann Ngui (Perth)
1:30pm The Heart Team: Evolving Roles in Transcatheter Interventions
Fabio Guarracino (Pisa, Italy)
1:55pm New Transcatheter Mitral & Tricuspid Interventions
David Muller (Sydney)
2:20pm TAVI: Summary of the Major Trials and Controversies
ISMICS - Kendra Grubb (Atlanta, USA)
2:40pm Australian TAVI Fellowship for Surgeons
Chris Cole (Brisbane)
2:50pm Discussion
1:30pm - 3:00pm **CONCURRENT SESSION 7A: PATRICK PRITZWALD-STEGMANN CARDIOTHORACIC YOUNG ACHIEVERS AWARD AND BAXTER TRAVELLING GRANTS**
Chairs: Jayme Bennetts (Adelaide) and Andrew Cochrane (Melbourne)
Presentation of recipients of Baxter Travelling Grants
1:30pm - 3:00pm **CONCURRENT SESSION 7B: PERFUSION ABSTRACTS**
Chairs: Kenneth Shann (Boston) and Carla Zazulak (Brisbane)
3:00pm - 3:30pm Afternoon Tea with Industry

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- 3:30pm - 5:00pm** **SESSION 8: MINIMALLY INVASIVE ISMICS SESSION**
Chairs: Trevor Fayers (Brisbane) and Silvana Marasco (Melbourne)
- 3:30pm Do Minimally Invasive Approaches Make a Difference?
ISMICS
- 3:50pm When Minimal Becomes Maximal: The Decision to Convert
Martin Misfeld (Leipzig, Germany)
- 4:10pm Innovative, New Minimally Invasive Procedures
IISMICS - Danny Ramzy (Houston, USA)
- 4:30pm How to Start a Minimally Invasive Program
ISMICS - Piotr Suwalski (Warsaw, Poland)
- 4:50pm Developing and maintaining the Robotic Cardiac Surgery Team
ISMICS - Art Martella (Camden, USA)
- 5:10pm Discussion
- 3:30pm - 5:00pm** **CONCURRENT SESSION 8A: CARDIOTHORACIC MODERATED POSTERS**
Chairs: Livia Williams (Brisbane) and Gila Lepar (Sydney)
- 3:30pm - 5:00pm** **CONCURRENT SESSION 8B: PERFUSION QUALITY IMPROVEMENT**
Chairs: Steve Horton (Melbourne) and Jonathan Cropper (Sydney)
- 3:30pm Reporting safety: the role of the Perfusion improvement reporting system
Tim Willcox (Auckland)
- 4:00pm Evidence based practice, does that ensure safer perfusion?
Kenneth Shann (Boston, USA)
- 4:30pm Perfusion guidelines, how important is registry?
Rob Baker (Adelaide)
- 7:00pm - 11:00pm** **ANZSCTS EXECUTIVE DINNER**
- 7:00pm - 11:00pm** **CTVP SIG DINNER**
- 7:00pm - 11:00pm** **ANZCP DINNER**

SATURDAY 19 NOVEMBER 2022

- 7:00am - 8:15am** **MASTERCLASS**
- 8:30am - 10:00am** **SESSION 9: BLOOD MANAGEMENT**
Chairs: Alistair Royse (Melbourne) and Laurence Weinberg (Melbourne)
- 8:30am Current Status of Tranexamic Acid & Antifibrinolytics
Paul Myles (Melbourne)
- 8:50am Haemoglobin Targets
David Mazer (Toronto, Canada)
- 9:10am Innovations in Transfusion / What is on the Horizon
Michael Reade (Brisbane)
- 9:30am Blood Matters on Bypass
David Fitzgerald (Charleston, USA)
- 9:50am Discussion
- 10:00am - 10:30am** **Morning Tea with Industry**
- 10:30am - 12:30pm** **SESSION 10: TYPE A AORTIC DISSECTION**
Chairs: Paul Bannon (Sydney) and Kenneth Shann (Boston, USA)
- 10:30am Current ANZSCTS Database Results for Type A Dissection Presentation of a Complex Case - Part 1
Jordan Ross (Brisbane)
- 10:45am The Surgical Approach
Tristan Yan (Sydney)
- 11:05am The Anaesthetic Approach
Bruce Cartwright (Sydney)
- 11:25am The Perfusion Approach
Alison Horton (Melbourne)
- 11:45am Case Presentation - Part 2
Jordan Ross (Brisbane)
- 11:55am Discussion with Expert Panel
Jordan Ross, Tristan Yan, Bruce Cartwright, Alison Horton and Peter McCall/George Matalanis
- 10:30am - 12:30pm** **CONCURRENT SESSION 10A: THORACIC SURGERY & ANAESTHESIA 2**
Chairs: Julian Gooi (Melbourne) and Jo Irons (Sydney)
- 10:30am Thoracic sarcoma resection - centralised units do it better
Chris Cole (Brisbane)
- 10:45am ECMO for Thoracic Surgery
Natalie Kruit (Sydney)

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SATURDAY 19 NOVEMBER 2022 (CONT'D)

11:00am Tracheal Resection Techniques -
Not for the Beginner?
Siven Seevanayagam (Melbourne)

11:15am Chest Wall Reconstruction Post
Trauma - Who, When, How
Silvana Marasco (Melbourne)

11:30am Intrathoracic chest flaps - Filling
the Gaps?
Simon Knight (Melbourne)

11:45am Discussion

12:30pm - 1:30pm Lunch with Industry

1:30pm - 3:00pm **SESSION 11: MITRAL VALVE MANAGEMENT**

**Chairs: Catherine Ashes
(Sydney) and Silvana Marasco
(Melbourne)**

1:30pm Selecting the Access and
Approach, Resect vs Respect
Martin Misfeld (Leipzig Germany)

1:50pm Echo Evaluation - Past, Present
and Future
Stan Shernan (Boston, USA)

2:10pm Minimally Invasive mitral valve
with Atrial Fibrillation surgery on
the fibrillating heart.
ISMICS - Niv Ad (Maryland, USA)

2:30pm Mitral Case Presentation
Aubrey Almeida (Melbourne)

2:40pm Panel Discussion
**Martin Misfeld, Stan Shernan,
Niv Ad, Fabio Guarracino and
Madhav Swaminathan**

1:30pm - 3:00pm **CONCURRENT SESSION 11A:
CARDIOTHORACIC SURGERY
ABSTRACTS**
**Chairs: Yi Chen (Melbourne) and
Yishay Orr (Sydney)**

1:30pm - 3:00pm **CONCURRENT SESSION 11B:
HOT TOPICS IN PERFUSION**
**Chairs: Britney Westbrook
(Waikato) and Clarke Thuys
(Melbourne)**

1:30pm Lung Ventilation During CPB
Kate Drummond (Adelaide)

2:00pm Anticoagulation Management for
Coagulopathies and Alternate
Monitoring in CPB & ECMO
**David Fitzgerald (Charleston,
USA)**

2:30pm Psychological and Human
Factors: Impact on Safety and
Performance in the Cardiac OR
Sara-Jane Allen (Auckland)

3:00pm - 3:30pm Afternoon Tea with Industry

3:30pm - 5:45pm

SESSION 12: ROBOTIC SURGERY - PEARLS & PITFALLS

**Chairs: Elli Tutungi (Melbourne)
and Gavin Wright (Melbourne)**

3:30pm

Robotic Thoracic Surgery - What
can we do and How do I teach it?
Abbas Abbas (Philadelphia, USA)

3:55pm

Robotic Lobectomy
Christopher Cao (Sydney)

4:10pm

Robotic Mitral Surgery
**ISMICS - Husam Balkhy
(Chicago, USA)**

4:25pm

Robotic CABG
Levi Bassin (Sydney)

4:40pm

Perfusion & Anaesthesia for
Robotic Surgery
Jo Irons (Sydney)

5:00pm

A Robotic Fellowship
Yi Chen (Melbourne)

5:15pm

Discussion

3:30pm - 5:45pm

CONCURRENT SESSION 12A: CARDIAC SURGICAL MINI-ORAL ABSTRACTS

**Chairs: Gareth Crouch
(Adelaide) and Simon Moten
(Melbourne)**

3:30pm - 5:45pm

CONCURRENT SESSION 12B: PERFUSION FIRESIDE CHAT

**Chairs: Jane Ottens (Adelaide)
and Carla Zazulak (Brisbane)**

3:30pm

Interesting Paediatric Cases
*The last 40 years of Tetralogy of
Fallot and VSD surgeries at RCH.
How do we measure progress?*
Clarke Thuys (Melbourne)

*Experiences across Paediatric
units*

Molly Oldeen (Chicago, USA)

Case questions and discussion

4:10pm

Paediatric ECMO

*The Clinical Effects of Nitric
Oxide Added to the Oxygenator
of Children on ECMO*

Steve Horton (Melbourne)

Case questions and discussion

4:50pm

Perfusion Education - Towards
the Masters Degree

**Rob Baker (Adelaide), David
Fitzgerald (Charleston, USA)
and Casey Edwards (Sydney)**

5:45pm - 6:00pm

SYMPOSIUM CONCLUDES

5:45pm

Closing Ceremony

**Jayme Bennetts (Adelaide),
Warren Pavey (Perth) and
Carla Zazulak (Brisbane)**

7:00pm - 11:00pm

SYMPOSIUM DINNER

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PRE-SYMPOSIUM WORKSHOPS

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WEDNESDAY 16 NOVEMBER 2022

Nursing /Allied Health Education Day

7:30am Registration

8:00am - 10:00am **SESSION 1: ADULT AND PAEDIATRIC TRANSPLANT SURGERY**

8:00am Welcome and Acknowledgement of Country
Therese Gordon / Julie Hulston

8:10am Presidents Welcome
Jayne Bennetts ANZSCTS President

8:15am Paediatric Transplant Surgery - Indications and Surgical Management
Yishay Orr (Sydney)

8:35am Paediatric Transplant Surgery - Nursing Perspectives
Maree Standoloft (Sydney)

9:00am Organ retrieval challenges in the OR & DCD Retrieval
Arjun Iyer (Sydney)

9:20am Setting Up an Organ Retrieval Service
Gareth Crouch (Adelaide)

9:40am Donate Life
Loren Ginders (Cairns)

10:00am - 10:30am Morning Tea

10:30am - 12:30pm **SESSION 2: TRICUSPID VALVE SURGERY & IMAGING**

10:30am Anatomy & Physiology Tricuspid Valve
Andrew Sherrah (Sydney)

10:45am Wetlab - Tricuspid Valve Surgery
Dr Andrew Sherrah (Sydney), Dr Graham Meredith (Sydney)

11:35am Ebstein's Anomaly of the Tricuspid Valve - Cone Repair
Ian Nicholson (Sydney)

11:55am TOE Workshop - Tricuspid Valve Imaging
David Canty (Melbourne)

12:45pm - 1:45pm Lunch

1:45pm - 3:15pm

1:45pm

2:05pm

2:25pm

2:45pm

3:00pm

3:15pm - 3:30pm

3:30pm - 4:30pm

3:30pm

3:50pm

4:10pm

4:25pm

4:30pm

SESSION 3

Robotic Surgery - Surgical and Anaesthetic Considerations
Aubrey Almeida (Melbourne), Elli Tutungi (Melbourne)

Robotic Thoracic Surgery
Gavin Wright (Melbourne)

Physio Rehab Following Cardiac and Thoracic Surgery
Christiany Viana (Adelaide)

Safety And Feasibility of EARly Resistance (SAFE-ARMS) Exercise following Median Sternotomy for Cardiac Surgery
TBA

Supervised Early Resistance Training versus aerobic-based rehabilitation on cognitive recovery following cardiac surgery
TBA

Afternoon Tea

SESSION 4

COVID Response UK experience
Rachel Johnson (London)

Indigenous Patients and Challenges Related to Surgery
Jaiden Graham (Adelaide)

TBC
Julie Hulston (Sydney)

Education Day Evaluation and Close
Therese Gordon (Adelaide) / Julie Hulston (Sydney)

NURSING / ALLIED HEALTH EDUCATION DAY WELCOME RECEPTION

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WEDNESDAY 16 NOVEMBER 2022 (CONT'D)

ANZSCTS Trainees Day

8:30am - 9:30am	ANATOMY OF THE TRICUSPID VALVE
9:30am - 10:30am	PULMONARY VALVE DISEASE: CONGENITAL AND ACQUIRED
10:30am - 11:00am	Morning Tea with Industry
11:00am - 12noon	ECHOCARDIOGRAPHIC AND IMAGING ASSESSMENT OF PULMONARY VALVE DISEASE
12noon - 1:00pm	HOW I DO IT: PULMONARY VALVE REPLACEMENT
1:00pm - 2:30pm	WOMEN SURGERY
1:00pm - 2:30pm	Lunch with Industry
2:30pm - 3:45pm	WETLAB: PULMONARY VALVE REPLACEMENT
2:30pm - 3:45pm	TOE, TTE AND ULTRASOUND WORKSHOP
3:45pm - 4:15pm	Afternoon Tea with Industry
4:15pm - 5:30pm	TOE, TTE AND ULTRASOUND WORKSHOP
4:15pm - 5:30pm	WETLAB: PULMONARY VALVE REPLACEMENT
7:00pm - 10:30pm	SURGICAL TRAINEE DINNER Supported by Avant

Focused Transthoracic Echocardiography and Lung Ultrasound Simulator Course

Places are limited to 20 delegates.
Please see page 27 for fee information.

9:30am - 12:30pm	SUPERVISED HANDS ON WORKSHOP FOLLOWED BY SELF-DIRECTED SIMULATOR PRACTICE
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Course Details:

- The focused heart and lung ultrasound course uses a novel teaching system to maximise hands-on learning to develop your ultrasound acquisition and interpretation skills. The course is aimed at cardiothoracic anaesthetists, surgeons, cardiologists and sonographers. No experience or prior training is required.

- Learn how to perform transthoracic echocardiography and lung ultrasound for rapid non-invasive and accurate bedside assessment of left and right ventricular function, volume, vasodilation, valvular regurgitation and stenosis, pericardial effusion, pleural effusion, pulmonary oedema, consolidation, collapse and pneumothorax.
- The course is provided by the University of Melbourne Ultrasound Education Group and includes high quality pre-course reading material (15 hours) accessible on a web browser, which includes 16 online pathology cases for interpretation, a 3-hour supervised hands-on workshop using high-fidelity simulators.
- The simulators will be accessible for the rest of the Symposium to complete the 12 self-directed simulated pathology cases (6 hours) guided by the learning portal; hence the workshop is held on the day before the Symposium commences. End-of course online 20 MCQ exam.

(Only delegates registered for this course, the Nurse and Allied Health Day and ANZCTS Trainees Day will be able to access the simulators for the remainder of the Symposium)

THURSDAY 17 NOVEMBER 2022

Perfusion Simulation Session supported by Medtronic

10:30am - 12:30pm

This session will be available for registered individuals and teams to attend, with each session tailored to meet the needs of the attendees. Please refer to the Symposium website for further details or contact arthur.preovolos@medtronic.com for information. Places are limited.

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FRIDAY 18 NOVEMBER 2022

3D Toe Course

Places are limited to 12 delegates.
Please see page 27 for fee information.

3:30pm - 6:00pm **SUPERVISED HANDS ON WORKSHOP**

Course Details:

- The 3D echocardiography short course uses a novel teaching system to maximise hands-on learning to develop your 3D TOE acquisition and display skills. The course is aimed at cardiothoracic anaesthetists, cardiologists and sonographers. No experience or prior training is required.
- Learning outcomes include 2D simultaneous multiplane and electronic steering, real-time narrow sector 3D and colour navigation of the whole heart, 3D and colour zoom and cropping, single to 6-beat full volume 3D and colour and multiplanar reconstruction and measurements.
- The course consists of interactive eLearning and a workshop and post workshop QLAB practice. The pre-workshop learning is approximately 25 hours and is accessed on a web-browser. It covers the basic theory and 10 real pathology cases for interpretation practice. The 3-hour workshop is in small groups (up to 5 per instructor) and consists of 90 minutes hands-on image acquisition using a Philips Epiq system and 90 minutes of hands-on manipulation of 3D data sets using Philips QLAB with a laptop.
- After the workshop, private QLAB practice is available to complete 10 case studies (measurements) guided by the learning portal. End-of course online 20 MCQ exam.

(Only delegates registered for this course will be able to access the QLAB for the remainder of the Symposium)

Perfusion Simulation Session supported by Medtronic

10:30am - 12:30pm

This session will be available for registered individuals and teams to attend, with each session tailored to meet the needs of the attendees. Please refer to the Symposium website for further details or contact arthur.preovolos@medtronic.com for information. Places are limited.