



## Symposium Directors



George Matalanis



Tristan Yan



Sean Galvin

# 2025 Australasian Thoracic Aortic Symposium

Thursday 27 - Sunday 30 March 2025

Sofitel Melbourne on Collins

# SYMPOSIUM HANDBOOK

# Symposium Overview

## Thursday 27 March 2025

1000 - 1200	Training Education Session - Aortic MDT
1200 - 1300	Lunch   <i>Exhibition Area</i>
1215 - 1250	Lunch Symposium
1300 - 1515	Scientific Session 1 - Aortopathy
1515 - 1545	Afternoon Refreshments   <i>Exhibition Area</i>
1545 - 1645	Scientific Session 2 - Minimally Invasive & Robotic
1800 - 2000	Welcome Reception   <i>Exhibition Area</i>

## Friday 28 March 2025

0810 - 1000	Scientific Session 3 - TAVI and TAVI Explant
1000 - 1030	Morning Refreshments   <i>Exhibition Area</i>
1030 - 1200	Scientific Session 4 - Management of small aortic root
1200 - 1300	Lunch   <i>Exhibition Area</i>
1300 - 1430	Scientific Session 5 - Aortic Valve Repair
1430 - 1500	Afternoon Refreshments   <i>Exhibition Area</i>
1500 - 1630	Scientific Session 6 - Ross Procedure

## Saturday 29 March 2025

0810 - 1030	Scientific Session 7 - Aortic valve sparing root replacement
1030 - 1100	Morning Break   <i>Exhibition Area</i>
1100 - 1215	Scientific Session 8 - Root Endocarditis
1215 - 1315	Lunch   <i>Exhibition Area</i>
1315 - 1500	Scientific Session 9 - Mal-perfusion and organ protection
1500 - 1530	Afternoon Refreshments   <i>Exhibition Area</i>
1530 - 1700	Scientific Session 10 - Thoraco-abdominal Aortic Aneurysm
1900	Symposium Dinner   <i>Chin Chin</i>

## Sunday 30 March 2025

Minimally Invasive Cardiothoracic Surgery - The Human Cadaver Master Class (III) - Royal Australasian College of Surgeons

0800 - 1200	Cadaver Stations - Aortic Root
1200 - 1300	Lunch   <i>Exhibition Area</i>
1300 - 1700	Cadaver Station - Arch & Descending

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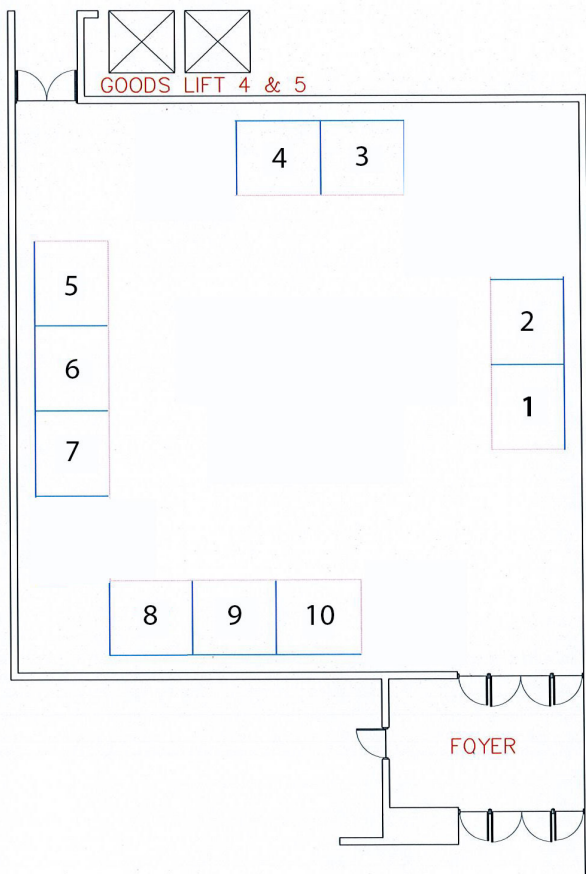
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# Exhibitors



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#### References:

1. Beaver T, Bavaria JE, Griffith B, et al. Seven-year outcomes following aortic valve replacement with a novel tissue bioprosthesis. Presented at the 103rd Annual Meeting of the American Association for Thoracic Surgery, May 2023.
2. Heimansohn DA, Baker C, Rodriguez E, Takayama H, Dagenais F, Talton DS, Mumtaz MA, Pibarot P, Puskas JD, on behalf of the COMMENCE Trial Investigators. JTCVS Open, 2023.

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0900 REGISTRATION

**Training Education Session - Aortic MDT**  
**Moderators: Tristan Yan & Homayoun Jalali**

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1000 Round Table Discussions - Aortic MDT  
**Case Presentations**

1100 Best Trainee Presentations

1200 LUNCH | *Exhibition Area*

1215 *LUNCH SYMPOSIUM - SPONSORED BY ATRICURE*  
***Treating the Aortic Valve & AF. New Developments and an International Perspective***  
*Thorsten Hanke - International Guest Presenter*

**Scientific Session 1 - Aortopathy**  
**Moderators: Emily Granger & Bo Yang**

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1300 Opening Remarks  
**George Matalanis**

1310 1.1 THINK AORTA  
**Geoff Lester**

1330 1.2 Genetics for aortic surgeons  
**Michelle Lim**

1345 1.3 EACTS/STS aortic guidelines  
**Agneta Geldenhuys**

1400 1.4 Anatomy/physiology of aortic root  
**Ruggero DePaulis - International Guest Presenter**

1415 1.5 Cardiac imaging modality for aortopathy  
**Raj Puranik**

1430 1.6 Predictors for acute aortic syndrome  
**Ashutosh Hardikar**

1445 1.7 Pathophysiology of hypertension in aortic dissection  
**Nishith Patel**

1500 1.8 AI in aortic surgery  
**David McCormack**

1515 AFTERNOON REFRESHMENTS | *Exhibition Area*

# Thursday 27 March

## Scientific Session 2 - Minimally Invasive & Robotic Moderators: David McCormack & Aung Oo

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- |      |     |   |
|------|-----|---|
| 1545 | 2.1 | Is PEARS less invasive than root replacement<br><b>Conal Austin - International Guest Presenter</b> |
| 1600 | 2.2 | Right anterior mini-thoracotomy AVR<br><b>Simon Moten</b>   |
| 1615 | 2.3 | Right lateral mini-thoracotomy AVR<br><b>Thorsten Hanke - International Guest Presenter</b>         |
| 1630 | 2.4 | Robotic AVR<br><b>Tristan Yan</b>   |
| 1645 | 2.5 | Panel Discussion – Caveats of Mini-AVR  |
| 1700 |     | WELCOME RECEPTION - Exhibition Area   |

# Friday 28 March

## Scientific Session 3 - TAVI and TAVI Explant Moderators: Simon Moten & Thorsten Hanke

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- |      |     |  |
|------|-----|--|
| 0810 | 3.1 | UK Aortic Forum<br><b>Aung Oo - International Guest Presenter</b>                                      |
| 0830 | 3.2 | TAVI and Valve-in-valve<br><b>Brian Plunkett</b>   |
| 0845 | 3.3 | Acute TAVI Surgery<br><b>Emily Granger</b>   |
| 0900 | 3.4 | TAVI Explant<br><b>Shinichi Fukuhara - International Guest Presenter</b>                               |
| 0915 | 3.5 | SAVR with Y-incision annular enlargement outperforms<br><b>Bo Yang - International Guest Presenter</b> |
| 0930 | 3.6 | Lifetime Planning for Patients with severe Aortic Stenosis<br><b>Matias Yudi</b>                       |
| 0945 | 3.7 | Panel Discussion   |
| 1000 |     | MORNING REFRESHMENTS   <i>Exhibition Area</i>  |

## Scientific Session 4 - Management of small aortic root Moderators: Brian Plunkett & Shinichi Fukuhara

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- 1030 4.1 Patient Prosthesis Mismatch and Implications on Valve-in-Valve TAVI  
**Matias Yudi**
- 1045 4.2 Rapid deployment valves  
**Adrian Pick**
- 1100 4.3 Annular enlargement  
**Bo Yang - International Guest Presenter**
- 1115 4.4 Stentless Valve  
**Peter Skillington**
- 1130 4.5 Bio-root with stented valve  
**Bo Yang - International Guest Presenter**
- 1145 4.6 MIC LATS: From multivalvular to complex aortic therapies  
**Thorsten Hanke - International Guest Presenter**
- 1200 LUNCH | *Exhibition Area*

## Scientific Session 5 - Aortic Valve Repair Moderators: Peter Skillington & Ismail El-Hamamsy

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- 1300 5.1 Sub-aortic annuloplasty  
**Martin Misfeld**
- 1315 5.2 External aortic annuloplasty  
**Emmanuel Lansac - International Guest Presenter**
- 1330 5.3 Internal aortic annuloplasty , theory and development  
HAART Implantation techniques and reasons for failure  
**Jeff McNeil - International Guest Presenter**
- 1345 5.4 The modified Modine technique for VSRR  
**Ruggero DePaulis - International Guest Presenter**
- 1400 5.5 Aortic cusp repair techniques  
**Emmanuel Lansac - International Guest Presenter**
- 1415 5.6 Panel Discussion
- 1430 AFTERNOON REFRESHMENTS | *Exhibition Area*



# Friday 28 March

## Scientific Session 6 - Ross Procedure

Moderators: Emmanuel Lansac & Ruggero DePaulis

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- |      |     |   |
|------|-----|---|
| 1500 | 6.1 | How I Do Ross (covering homografts and autografts)<br><b>Peter Skillington</b>                  |
| 1515 | 6.2 | How I Do Ross (covering small root)<br><b>Ismail El-Hamamsy - International Guest Presenter</b> |
| 1530 | 6.3 | Learning curve of Ross<br><b>Michael O'Keefe</b>  |
| 1545 | 6.4 | Ross Procedure Complications<br><b>Homayoun Jalali</b>  |
| 1600 | 6.5 | Salvaging Failing Ross<br><b>Ismail El-Hamamsy - International Guest Presenter</b>              |
| 1615 | 6.6 | PEARS for Ross<br><b>Conal Austin - International Guest Presenter</b>                           |
| 1630 | 6.7 | Panel Discussion  |

# Saturday 29 March

## Scientific Session 7 - Aortic valve sparing root replacement

Moderators: Martin Misfeld & Conal Austin

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- |      |     |   |
|------|-----|---|
| 0810 | 7.1 | Developing a Cardiac Surgery Program in Nigeria<br><b>Jeff McNeil - International Guest Presenter</b>                                       |
| 0830 | 7.2 | Yacoub Procedure<br><b>Ismail El-Hamamsy - International Guest Presenter</b>  |
| 0845 | 7.3 | Bicuspid aortic valve sparing root replacement<br><b>Emmanuel Lansac - International Guest Presenter</b>                                    |
| 0900 | 7.4 | Update on the PEARS Procedure<br><b>Nelson Alphonso</b>   |
| 0915 | 7.5 | BAV Repair with or without root replacement in a symmetric and asymmetric valves<br><b>Ruggero DePaulis - International Guest Presenter</b> |
| 0930 | 7.6 | Predictors of Failure after AV Repair/AVSRR<br><b>George Matalanis</b>  |
| 0945 | 7.7 | David Procedure – Valsalva graft vs two graft technique<br><b>Bo Yang - International Guest Presenter</b>                                   |

# Saturday 29 March

1000	7.8	Aortoscopy <b>Tristan Yan</b>
1015	7.9	Panel Discussion
1030		MORNING REFRESHMENTS   <i>Exhibition Area</i>

## Scientific Session 8 - Root Endocarditis Moderators: Randolph Wong & Jeff McNeil

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1100	8.1	CAMPAIGN – multi-center analysis of infective endocarditis <b>Martin Misfeld</b>
1115	8.2	Root endocarditis <b>Shinichi Fukuhara - International Guest Presenter</b>
1130	8.3	UFO Procedure <b>Martin Misfeld</b>
1145	8.4	LVOT and aorto-mitral fibrous skeleton – Double annular enlargement to upsize 3 valve sizes for both AV and MV <b>Bo Yang - International Guest Presenter</b>
1200	8.5	Panel Discussion
1215		LUNCH   <i>Exhibition Area</i>

## Scientific Session 9 Mal-perfusion and Organ Protection Moderators: Sean Galvin & Rafi Qasabian

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1315	9.1	New Aortic Dissection Classification <b>Randolph Wong - International Guest Presenter</b>
1330	9.2	Management of mal-perfusion in acute dissection <b>Shinichi Fukuhara - International Guest Presenter</b>
1345	9.3	Upfront FET in mal-perfusion <b>Aung Oo - International Guest Presenter</b>
1400	9.4	AMDS <b>Randolph Wong - International Guest Presenter</b>
1415	9.5	Branch-First TAR <b>George Matalanis</b>
1430	9.6	Warm and no circulatory arrest arch surgery <b>Shinichi Fukuhara - International Guest Presenter</b>

# Saturday 29 March

- 1445 9.7 Decision making in severe malperfusion - When is surgery a step too far  
**Sean Galvin**
- 1500 AFTERNOON REFRESHMENTS | *Exhibition Area*

## Scientific Session 10 - Thoraco-abdominal Aortic Aneurysm Moderators: George Matalanis & Tristan Yan

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- 1530 10.1 Management of infected descending aortic graft  
**Sean Galvin**
- 1545 10.2 Collateral network concept and MIS2ACE trial  
**Martin Misfeld**
- 1600 10.3 THORACOFLO  
**Aung Oo - International Guest Presenter**
- 1615 10.4 Minimally invasive TAAA  
**Randolph Wong - International Guest Presenter**
- 1630 10.5 Endovascular Approaches for the Stages Surgical Management of Complex Aortic Pathology  
**Rafi Qasabian**
- 1645 10.6 Panel Discussion & Session Close
- 1900 SYMPOSIUM DINNER - Chin Chin

# Sunday 30 March

## MINIMALLY INVASIVE CARDIOTHORACIC SURGERY – THE HUMAN CADAVER MASTER CLASS (III) Venue: Royal Australasian College of Surgeons

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### AORTIC ROOT

- 0800 - 1000 Cadaver Station 1 & 2  
Mini-access Valve Sparing Root Replacement/Aortoscopy  
**Emmanuel Lansac & Tristan Yan**
- Cadaver Station 3 & 4  
Valve Sparing Root Replacement/Aortoscopy  
**George Matalanis & Martin Misfeld**
- Cadaver Station 5 & 6  
Aortic Root Enlargement  
**Bo Yang & Peter Skillington**

The Sunday Cadaver Master Class is ideal for SET Trainees, Fellows and Early Career Consultants. (Limited spots available - Pre registration was required)

# Sunday 30 March

1000 - 1200	Cadaver Station 1 - 6 Ross Procedure <b>Peter Skillington, Martin Misfeld, Homayoun Jalali, Ismail El-Hamamsy and Michael O'Keefe</b>
1200 - 1300	LUNCH  <b>ARCH &amp; DESCENDING</b>
1300 - 1500	Cadaver Station 1 - 6 Stage 1: Branch First Total Arch and Frozen Elephant Trunk/ Aortoscopy <b>Aung Oo, George Matalanis, Martin Misfeld, Sean Galvin and Tristan Yan</b>
1500 - 1700	Cadaver Station 1 - 6 Stage 2: Descending Aortic Replacement with Left Pneumonectomy <b>Aung Oo, George Matalanis, Martin Misfeld, Sean Galvin and Tristan Yan</b>  <b>Simulation Models (Root/Arch Vascular Models &amp; Thoracoflo Model)</b>
1700	CLOSURE

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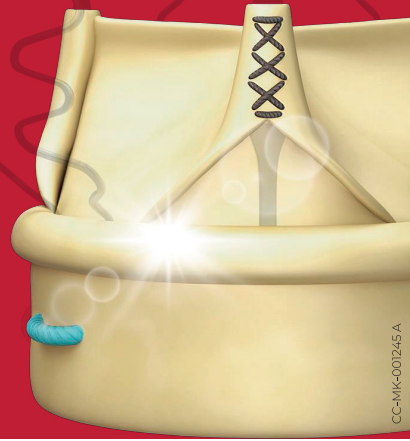
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2. Corcym data on file
3. Lamberigts M, et al. "Sutureless aortic valves in isolated and combined procedures: 13 years of experience in 784 patients." *J Thorac Cardiovasc Surg.*(2022)






# 2025 AUSTRALASIAN THORACIC AORTIC SYMPOSIUM

Conference Secretariat



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