

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

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### THURSDAY 17 NOVEMBER 2022 (CONT'D)

5:00pm - 6:00pm ANZSCTS AGM

5:00pm - 6:00pm CTVS 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**

Chair(s): 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**

Chair(s): 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  
DATABASE AND MINI-ORAL  
ABSTRACTS**

Chair(s): Phillip Antippa  
(Melbourne) and Jordan Ross  
(Brisbane)

10:30am ANZTHOR Database  
Philip Antippa (Melbourne)

10:40am Mini Orals

12:20pm 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**

Chair(s): 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**

Chair(s): Jayme Bennetts  
(Adelaide) and Andrew  
Cochrane (Melbourne)

Presentation of recipients of  
Baxter Travelling Grants

1:30pm - 3:00pm **CONCURRENT SESSION 7B:  
PERFUSION ABSTRACTS**

Chair(s): Kenneth Shann  
(Boston) and Carla Zazulak  
(Brisbane)

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

3:30pm - 5:00pm **SESSION 8: MINIMALLY  
INVASIVE ISMICS SESSION**

Chair(s): Trevor Fayers  
(Brisbane) and Silvana Marasco  
(Melbourne)

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### FRIDAY 18 NOVEMBER 2022 (CONT'D)

3:30pm	Do Minimally Invasive Approaches Make a Difference? <b>ISMICS - Dan Bethencourt (California, USA)</b>	8:50am	Haemoglobin Targets <b>David Mazer (Toronto, Canada)</b>
3:50pm	When Minimal Becomes Maximal: The Decision to Convert <b>Martin Misfeld (Leipzig, Germany)</b>	9:10am	Innovations in Transfusion / What is on the Horizon <b>Michael Reade (Brisbane)</b>
4:10pm	Innovative, New Minimally Invasive Procedures <b>IISMICS - Danny Ramzy (Houston, USA)</b>	9:30am	Blood Matters on Bypass <b>David Fitzgerald (Charleston, USA)</b>
4:30pm	How to Start a Minimally Invasive Program <b>ISMICS - Piotr Suwalski (Warsaw, Poland)</b>	9:50am	Discussion
4:50pm	Discussion	10:00am - 10:30am	Morning Tea with Industry
<b>3:30pm - 6:00pm</b>	<b>CONCURRENT SESSION 8A: 3D TOE COURSE</b>	<b>10:30am - 12:30pm</b>	<b>SESSION 10: TYPE A AORTIC DISSECTION</b> Chair(s): <b>Paul Bannon (Sydney) and Kenneth Shann (Boston, USA)</b>
<b>3:30pm - 5:00pm</b>	<b>CONCURRENT SESSION 8B: CARDIOTHORACIC MODERATED POSTERS</b> Chair(s): <b>Livia Williams (Brisbane) and Gila Lepar (Sydney)</b>	10:30am	Current ANZSCTS Database Results for Type A Dissection Presentation of a Complex Case - Part 1 <b>Jordan Ross (Adelaide)</b>
<b>3:30pm - 5:00pm</b>	<b>CONCURRENT SESSION 8C: CONCURRENT PERFUSION QUALITY IMPROVEMENT</b> Chair(s): <b>Steve Horton (Melbourne) and Jonathan Cropper (Sydney)</b>	10:45am	The Surgical Approach <b>Tristan Yan (Sydney)</b>
3:30pm	Reporting safety: the role of the Perfusion improvement reporting system <b>Tim Willcox (Auckland)</b>	11:05am	The Anaesthetic Approach <b>Bruce Cartwright (Sydney)</b>
4:00pm	Evidence based practice, does that ensure safer perfusion? <b>Kenneth Shann (Boston, USA)</b>	11:25am	The Perfusion Approach <b>Alison Horton (Melbourne)</b>
4:30pm	Perfusion guidelines, how important is registry? <b>Rob Baker (Adelaide)</b>	11:45am	Case Presentation - Part 2 <b>Jordan Ross (Brisbane)</b>
<b>7:00pm - 11:00pm</b>	<b>ANZSCTS EXECUTIVE DINNER</b>	11:55am	Discussion with Expert Panel <b>Jordan Ross, Tristan Yan, Bruce Cartwright, Alison Horton and Peter McCall/George Matalanis</b>
<b>7:00pm - 11:00pm</b>	<b>CTVP SIG DINNER</b>	<b>10:30am - 12:30pm</b>	<b>CONCURRENT SESSION 10A: THORACIC SURGERY &amp; ANAESTHESIA 2</b> Chair(s): <b>Julian Gooi (Melbourne) and Jo Irons (Sydney)</b>
<b>7:00pm - 11:00pm</b>	<b>ANZCP DINNER</b>	10:30am	Thoracic sarcoma resection - centralised units do it better <b>Chris Cole (Brisbane)</b>

### SATURDAY 19 NOVEMBER 2022

<b>7:00am - 8:15am</b>	<b>MASTERCLASS</b>	10:45am	ECMO for Thoracic Surgery <b>Natalie Kruit (Sydney)</b>
<b>8:30am - 10:00am</b>	<b>SESSION 9: BLOOD MANAGEMENT</b> Chair(s): <b>Alistair Royse (Melbourne) and Laurence Weinberg (Melbourne)</b>	11:00am	Tracheal Resection Techniques - Not for the Beginner? <b>Siven Seevanayagam (Melbourne)</b>
8:30am	Current Status of Tranexamic Acid & Antifibrinolytics <b>Paul Myles (Melbourne)</b>	11:15am	Chest Wall Reconstruction Post Trauma - Who, When, How <b>Silvana Marasco (Melbourne)</b>
		11:30am	Intrathoracic chest flaps - Filling the Gaps? <b>Simon Knight (Melbourne)</b>
		11:45am	Discussion

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12:30pm - 1:30pm	Lunch with Industry	3:30pm	Robotic Thoracic Surgery - What can we do and How do I teach it? <b>Abbas Abbas (Philadelphia, USA)</b>
1:30pm - 3:00pm	<b>SESSION 11: MITRAL VALVE MANAGEMENT</b> Chair(s): Catherine Ashes (Sydney) and Silvana Marasco (Melbourne)	3:55pm	Robotic Lobectomy <b>Christopher Cao (Sydney)</b>
1:30pm	Selecting the Access and Approach, Resect vs Respect <b>Martin Misfeld (Leipzig Germany)</b>	4:10pm	Robotic Mitral Surgery <b>ISMICS - Husam Balkhy (Chicago, USA)</b>
1:50pm	Echo Evaluation - Past, Present and Future <b>Stan Shernan (Boston, USA)</b>	4:25pm	Robotic CABG <b>Levi Bassin (Sydney)</b>
2:10pm	Decision-making in Moderate Ischaemic MR <b>Jurgen Passage (Perth)</b>	4:40pm	Perfusion & Anaesthesia for Robotic Surgery <b>Jo Irons (Sydney)</b>
2:30pm	Mitral Case Presentation <b>Aubrey Almeida (Melbourne)</b>	5:00pm	A Robotic Fellowship <b>Yi Chen (Melbourne)</b>
2:40pm	Panel Discussion <b>Martin Misfeld, Stan Shernan, Jurgen Passage, Fabio Guarracino and Madhav Swaminathan</b>	5:15pm	Discussion
1:30pm - 3:00pm	<b>CONCURRENT SESSION 11A: CARDIOTHORACIC SURGERY ABSTRACTS</b> Chair(s): Yi Chen (Melbourne) and Yishay Orr (Sydney)	<b>3:30pm - 5:45pm</b>	<b>CONCURRENT SESSION 12A: CARDIAC SURGICAL MINI-ORAL ABSTRACTS</b> Chair(s): Gareth Crouch (Adelaide) and Simon Moten (Melbourne)
1:30pm - 3:00pm	<b>CONCURRENT SESSION 11B: HOT TOPICS IN PERFUSION</b> Chair(s): Britney Westbrook (Waikato) and Clarke Thuys (Melbourne)	<b>3:30pm - 5:45pm</b>	<b>CONCURRENT SESSION 12B: PERFUSION FIRESIDE CHAT</b> Chair(s): Jane Ottens (Adelaide) and Carla Zazulak (Brisbane)
1:30pm	Lung Ventilation During CPB <b>Kate Drummond (Adelaide)</b>	3:30pm	Interesting Paediatric Cases: "The last 40 years of Tetralogy of Fallot and VSD surgeries at RCH. How do we measure progress?" <b>Clarke Thuys (Melbourne)</b>
2:00pm	Anticoagulation Management for Coagulopathies and Alternate Monitoring in CPB & ECMO <b>David Fitzgerald (Charleston, USA)</b>	4:10pm	"Experiences across Paediatric units" <b>Molly Oldeen (Chicago, USA)</b>
2:30pm	Psychological and Human Factors: Impact on Safety and Performance in the Cardiac OR <b>Sara-Jane Allen (Auckland)</b>	4:50pm	"Case questions and discussion" Paediatric ECMO "The Clinical Effects of Nitric Oxide Added to the Oxygenator of Children on ECMO" <b>Steve Horton (Melbourne)</b>
3:00pm - 3:30pm	Afternoon Tea with Industry	4:50pm	"Case questions and discussion" Perfusion Education - Towards the Masters Degree <b>Rob Baker (Adelaide), David Fitzgerald (Charleston, USA) and Casey Edwards (Sydney)</b>
3:30pm - 5:45pm	<b>SESSION 12: ROBOTIC SURGERY - PEARLS &amp; PITFALLS</b> Chair(s): Elli Tutungi (Melbourne) and Gavin Wright (Melbourne)	<b>5:45pm - 6:00pm</b>	<b>SYMPOSIUM CONCLUDES</b> Closing Ceremony <b>Jayme Bennetts (Adelaide), Warren Pavey (Perth) and Carla Zazulak (Brisbane)</b>
		5:45pm	
		<b>7:00pm - 11:00pm</b>	<b>SYMPOSIUM DINNER</b>

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## PRE-SYMPOSIUM WORKSHOPS

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

### WEDNESDAY 16 NOVEMBER 2022

#### Nursing /Allied Health Education Day

##### 8:15am - 10:00am SESSION 1

- 8:15am Paediatric Transplant Surgery - Indications and Surgical Management  
**Yishay Orr (Sydney)**
- 8:40am Paediatric Transplant Surgery - Nursing Perspectives  
**Maree Standaloft (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

- 10:30am Anatomy & Physiology Tricuspid Valve  
**Andrew Sherrah (Sydney)**
- 10:50am Wetlab - Tricuspid Valve Surgery  
**Jayme Bennetts (Adelaide)**
- 11:50am TOE Workshop - TV  
**David Canty (Melbourne)**

12:30pm - 1:20pm Lunch

##### 1:20pm - 3:00pm SESSION 3

- 1:20pm Robotic Surgery - Surgical and Anaesthetic Implications  
**Aubrey Almeida (Melbourne),  
Elli Tutungi (Melbourne)**
- 1:40pm Robotic Thoracic Surgery  
**Gavin Wright (Melbourne)**
- 2:00pm Management of Under Water Seal Drains  
**Therese Gordon (Adelaide)**
- 2:20pm Physio Rehab Following Cardiac and Thoracic Surgery  
**Christiany Viana (Adelaide)**
- 2:40pm COVID Response UK Experiences  
**Rachel Johnson (London, UK)**

3:10pm - 3:30pm Afternoon Tea

##### 3:30pm - 5:00pm SESSION 4

- 3:30pm Indigenous Patients and Challenges Related to Surgery  
**Jaiden Graham (Adelaide)**
- 3:50pm Patient Story - Resilia  
**Julie Hulston (Sydney)**
- 4:30pm Nurses and Allied Health Education Day conclusion  
**Therese Gordon (Adelaide),  
Julie Hulston (Sydney)**

#### 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

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## WEDNESDAY 16 NOVEMBER 2022 (CONT'D)

### 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**

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)

### Perfusion Simulation Sessions supported by Medtronic

**9:00am - 11:00am**  
**12noon - 2:00pm**  
**3:00pm - 5:00pm**

These sessions 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](mailto:arthur.preovolos@medtronic.com) for information. Places are limited.

## 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](mailto: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](mailto:arthur.preovolos@medtronic.com) for information. Places are limited.