



### Course Description

The STS Coronary Conference – *Digital Archive* will address the most common type of heart disease and connect surgeon attendees with advanced educational content on the latest techniques for coronary artery bypass surgery presented by experts from around the globe.

The course includes didactic presentations, “How I Do It” video sessions on surgical techniques, practical tips and tricks, abstracts sessions, and case-based panel discussions.

Session topics will focus on the current state of revascularization, conduit selection and harvest, graft configuration, off- and on-pump coronary artery bypass graft (CABG), endarterectomy, low ejection fraction, minimally invasive CABG, myocardial revascularization, CABG and fractional flow reserve, and postoperative medical therapy.

### Target Audience

The STS Coronary Conference – *Digital Archive* targets cardiothoracic surgeons and heart team members who focus on coronary artery surgery.

### Learning Objectives

- Upon completion of this activity, participants should be able to:
- Discuss the latest advances in coronary artery surgery
- Identify the imaging and non-invasive diagnostic testing methods for CABG
- Define the cardiologist’s role and perspectives on coronary artery revascularization and coronary artery disease treatment
- Describe and demonstrate on-pump CABG/off-pump CABG methods, as well as minimally invasive CABG methods
- Describe and demonstrate the various techniques in conduit harvesting
- Describe and demonstrate the various master techniques in graft configuration
- Delineate the specific challenges in coronary surgery by different patient populations
- Outline the strategies for postoperative medical therapy

### Accreditation Information

The Society of Thoracic Surgeons is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

### Continuing Medical Education (CME) Credits

The Society of Thoracic Surgeons designates this enduring material for a maximum of 17.00 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity. Physician Assistants (PAs) may claim *AMA PRA Category 1 Credits™* for completing this activity.

## Society of Thoracic Surgeons Education Disclosure Policy

As a sponsor of continuing medical education accredited by the Accreditation Council for Continuing Medical Education (ACCME), The Society of Thoracic Surgeons requires that any individual who is in a position to control the content of an educational activity must disclose all financial relationships with any ineligible companies. This is to ensure all decisions related to the planning, faculty selection, delivery, and evaluation of accredited education are made without any influence or involvement from the owners and employees of an ineligible company.

The ACCME defines ineligible companies as those whose “primary business is producing, marketing, selling, reselling, or distributing health care products used by or on patients.” The question of whether a disclosed conflict situation could represent undue influence on the educational activity by an ineligible company or whether the disclosed information is sufficient to consider an abstract, presentation, or other educational enduring material to represent potentially biased information must be mitigated prior to an individual’s involvement in STS educational programming.

Required disclosures must include all financial relationships with ineligible companies in the prior 24 months. Examples of financial relationships include employee, researcher, consultant, advisor, speaker, independent contractor (including contracted research), royalties or patent beneficiary, executive role, and ownership interest. Individual stocks and stock options should be disclosed; diversified mutual funds do not need to be disclosed. Research funding from ineligible companies should be disclosed by the principal or named investigator even if that individual’s institution receives the research grant and manages the funds. Individuals who are owners or employees of ineligible companies are excluded from controlling content or participating as planners or faculty in STS educational activities.

There are three exceptions to this exclusion—employees of ineligible companies can participate as planners or faculty in these specific situations:

1. When the content of the activity is not related to the business lines or products of their employer/company.
2. When the content of the accredited activity is limited to basic science research, such as preclinical research and drug discovery, or the methodologies of research, and they do not make care recommendations.
3. When they are participating as technicians to teach the safe and proper use of medical devices, and do not recommend whether or when a device is used.

Disclosure is mandatory for any person involved in the planning, management, presentation, and/or evaluation of STS educational activities. Failure to disclose all relationships with ineligible companies disqualifies the individual from being a planning committee member, a teacher, or an author of educational materials, and this individual cannot have any responsibility for the development, management, presentation, or evaluation of STS educational activities. This requirement is intended neither to imply any impropriety of such relationships nor to prejudice any individual planner, presenter, or author. It is merely to identify such relationships through full disclosure, and to allow STS to assess and mitigate potential influences on the educational activity prior to the planning and implementation of an educational activity. Speakers are required to disclose that they have nothing to disclose if this is the case.

### Society of Thoracic Surgeons Education Disclosure Policy, cont.

Additionally, the fact that the presentation, paper, or other educational product describes (a) the use of a device, product, or drug that is not FDA approved or (b) an off-label use of an approved device, product, or drug or (c) a new or evolving topic advocating for, or promoting, practices that are not, or not yet, adequately based on current science, evidence, and clinical reasoning must also be disclosed. This requirement has been adopted in response to FDA policy and case law involving medical societies, and is not intended to prohibit or inhibit independent presentation or discussion regarding the uses of devices, products, and drugs as described in (a) or (b) above.

All relevant financial information will be disclosed to learners before they engage with or access STS educational content and activities. For live presentations, all disclosures must be stated orally and on a slide at the beginning of the presentation and will be noted in published material related to the activity. Disclosure to learners will include each of the following:

1. The names of the individuals with relevant financial relationships.
2. The names of the ineligible companies with which they have relationships.
3. The nature of the relationships.
4. A statement that all relevant financial relationships have been mitigated.

Disclosure to learners must not include ineligible companies' corporate or product logos, trade names, or product group messages. If applicable, the absence of relevant financial relationships with ineligible companies will also be disclosed to learners.

In order to ensure that STS educational activities are free of marketing or sales of products and services, faculty must not actively promote or sell products or services that serve their professional or financial interests during accredited education. Slides, handouts, and other materials utilized as part of an educational activity cannot contain any advertising, trade names or a product group message.

Amended by the STS Executive Committee: June 9, 2021

# Course Directors, Faculty, Abstract Presenters and STS Staff Disclosure Information

Refer to the *STS Education Disclosure Policy* in the program book. The individuals below have disclosed whether they have financial relationships with ineligible companies in the past 24 months. All relevant financial relationships have been mitigated. (*current as of June 1, 2022*)

## Course Directors

- David Glineur, MD, PhD  
**Financial Relationships:** *Nothing to disclose*
- Marc Ruel, MD, MPH  
**Financial Relationships:** Medtronic – MICS Proctor and Research Grant Support (MIST Trial), Speaker/Honoraria
- Joseph F. Sabik III, MD  
**Financial Relationships:** Medtronic – Speaker/Honoraria
- Sigrid E. Sandner, MD  
**Financial Relationships:** *Nothing to disclose*

## Faculty

*The following faculty have nothing to disclose:*

Faisal G. Bakaeen, MD  
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Gloria Färber, MD  
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Ki-Bong Kim, MD, PhD  
Andre Lamy, MD, MHSc  
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Thomas A. Schwann, MD, MBA  
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The following faculty have nothing to disclose (cont'd.):

Viviany R. Taqueti, MD, MPH  
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Gianluca Torregrossa, MD  
Bobby Yanagawa, MD, PhD  
Alicja Zientara, MD

The following faculty have disclosed these financial relationships with ineligible companies in the past 24 months:

- Hirokuni Arai, MD, PhD  
**Financial Relationships:** Medistim – Speaker/Honoraria (*No longer, within past 24 mo.*); Medtronic – Speaker/Honoraria; Sumitomo Bakelite Cp., Ltd. – Royalties
- Andreas Böning, MD  
**Financial Relationships:** Abiomed – Speaker/Honoraria; Guard Pharmaceuticals – Advisory Board, Consultant; Marizyme – Advisory Board; ZOLL Medical – Speaker/Honoraria (*No longer, within past 24 mo.*)
- Husam H. Balkhy, MD  
**Financial Relationships:** Edwards Lifesciences – Consultant; Intuitive – Proctor
- Joseph E. Bavaria, MD  
**Financial Relationships:** Abbott/St. Jude Medical – Primary Investigator/DSMB Chair; Edwards Lifesciences – Consultant, Primary Investigator; Medtronic Vascular – Primary Investigator; Terumo Aortic -- Primary Investigator, Speaker's Bureau; W. L. Gore & Associates – Consultant, Primary Investigator
- Rob Beanlands, MD  
**Financial Relationships:** GE Healthcare – Advisory Board, Research Grant; JDI – Consultant, Research Grant; Lantheus – Advisory Board, Research Grant
- Duke Cameron, MD  
**Financial Relationships:** Z-Medica – Consultant (*No longer, within past 24 mo.*)
- Aun-Yeong Chong, MD  
**Financial Relationships:** Abbott Vascular – Advisory Board, Independent Contractor, Speaker/Honoraria
- Gry Dahle, MD, PhD  
**Financial Relationships:** Abbott – Consultant, Speaker/Honoraria
- Piroze M. Davierwala, MD  
**Financial Relationships:** Medtronic – Speaker/Honoraria
- Torsten Doenst, MD, PhD  
**Financial Relationships:** Medistim – Speaker/Honoraria (*No longer, within past 24 mo.*)

- Pierre-Yves Etienne, MD  
**Financial Relationships:** Medtronic – Speaker/Honoraria
- Michael Farkouh, MD, MSc  
**Financial Relationships:** AstraZeneca – Research Grant, Novartis – Research Grant (*No longer, within past 24 mo.*); Novo Nordisk – Research Grant
- Stephen E. Fremes, MD  
**Financial Relationships:** Boston Scientific – Site investigator for NeoAccurate IDE trial; Medtronic – Site investigator for SURTAVI trial, Site investigator for Low-Risk trial
- A. Marc Gillinov, MD  
**Financial Relationships:** Edwards Lifesciences – Consultant, Speaker/Honoraria; Medtronic – Consultant, Speaker/Honoraria; AtriCure – Consultant, Speaker/Honoraria; Clearflow – Consultant, Speaker/Honoraria; Abbott – Consultant, Speaker/Honoraria; Artivion – Consultant, Speaker/Honoraria
- Dawn S. Hui, MD  
**Financial Relationships:** Astellas Pharma – Site PI for investigational drug (*No longer, within past 24 mo.*)
- Bob Kiaii, MD  
**Financial Relationships:** Abbott Inc. – Consultant; Boston Scientific – Speaker/Honoraria; Ethicon – Consultant, Speaker/Honoraria; Medtronic – Speaker/Honoraria
- Teresa Kieser, MD, PhD  
**Financial Relationships:** Ethicon Endosurgery – Speaker/Honoraria; Medistim ASA – Speaker/Honoraria; Medistim USA – Speaker/Honoraria
- Keita Kikuchi, MD, PhD  
**Financial Relationships:** Medtronic – MICS CABG proctor
- Roxana Mehran, MD  
**Financial Relationships:** Abbott – Consultant, Institutional research payments; Abiomed – Institutional research payments; Alleviant – Institutional research payments; AM-Pharma – Institutional research payments; Applied Therapeutics – Institutional research payments, Ownership interest (stocks, stock options, excludes diversified mutual funds); Arena – Institutional research payments; AstraZeneca – Institutional research payments; BAIM Institute – Institutional research payments; Bayer – Institutional research payments; Biosensors International – Institutional research payments; BIOTRONIK – Institutional research payments; Boston Scientific – Institutional research payments; Bristol Myers Squibb – Institutional research payments; Cardiawave – Institutional research payments; CellAegis – Institutional research payments; CeloNova BioSciences – Institutional research payments; Chiesi – Institutional research payments; CineMed Research – Personal fees; Concept Medical – Institutional research payments; CSL Behring – Institutional research payments; CytoSorbents – Institutional research payments; DSI – Institutional research payments; Element Science – Institutional research payments; Elixir Medical – Consultant; Faraday Pharmaceuticals – Institutional research payments; Humacyte – Institutional research payments; Idorsia Pharmaceuticals – Institutional research payments; Insel Gruppe AG – Institutional research payments; Janssen – Consultant; Magenta – Institutional research payments; Medtronic – Consultant, Institutional research payments; Novartis – Consultant, Institutional research payments; OrbusNeich – Institutional research payments; Philips – Institutional research payments;

RenalPro Medical, Inc. – Institutional research payments; Stel – Consultant; Vivasure Medical – Institutional research payments; ZOLL Medical – Institutional research payments

- Milan Milojevic, MD, PhD, MSCE  
**Financial Relationships:** LivaNova – Speaker/Honoraria (*No longer, within past 24 mo.*)
- John D. Puskas, MD  
**Financial Relationships:** CryoLife – Research Grant/Support; Edwards Lifesciences – Research Grant/Support; Medtronic Inc. – Consultant; Scanlan Inc. – Royalties
- Fraser Rubens, MD, MSc  
**Financial Relationships:** Abbott Vascular – Advisory Board
- David Taggart, MD  
**Financial Relationships:** Medistim – Consultant, Research Funding, Speaker/Honoraria; Medtronic – Speaker/Honoraria, Speaker's Bureau; VGS – Advisory Board, Ownership Interest (stocks, stock options or other intellectual property excluding diversified mutual funds), Speaker/Honoraria
- Elaine Tseng, MD  
**Financial Relationships:** Amgen Inc. – Site PI for clinical trial; Artivion – Site PI for clinical trial; Duravena – Consultant; Potrero Med – Site PI of clinical registry; ReValve Med – Founder, ownership interest (stocks, stock options, or other intellectual property excluding diversified mutual funds)
- Michael Vallely, PhD, FRACS  
**Financial Relationships:** Getinge – Advisory Board; Medtronic – Advisory Board, Consultant
- Pierre Voisine, MD  
**Financial Relationships:** Abbvie – Consultant; HLS Therapeutics – Advisory Board, Consultant, Speaker/Honoraria

## Abstract Presenters

*The following abstract presenters have nothing to disclose:*

Gary S. Allen, MD  
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Willa Potosnak  
Fabio Ramponi, MD  
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The following abstract presenters have nothing to disclose (cont'd.):

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## STS Staff

The following STS Staff have nothing to disclose:

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