COMMERCIAL DISCLOSURE STATEMENTS OF COUNCIL MEMBERS AND PROGRAM PLANNERS

STSA would like to thank the following STSA leaders for planning the educational content of the STSA 63rd Annual Meeting. Unless otherwise noted, these STSA leaders have no relevant commercial relationships to disclose.

Andrea J. Carpenter: President, Program Committee, Postgraduate Committee
COMMERCIAL RELATIONSHIPS:

Faisal G. Bakaeen: Program Committee
COMMERCIAL RELATIONSHIPS: Consultant/Advisory Board: JACE Medical

John H. Calhoon: Program Committee, Postgraduate Committee

Paul Chai: Postgraduate Committee Chair, CME Committee

Robert J. Dabal: Postgraduate Committee

Elizabeth A. David: Program Committee

Melanie Edwards: Postgraduate Committee

Richard K. Freeman: Program Committee, Postgraduate Committee, CME Committee Chair
COMMERCIAL RELATIONSHIPS:

Charles B. Huddleston: Program Committee Chair, CME Committee

S. Adil Husain: Program Committee

Kirk Kanter: Postgraduate Committee

Richard L. Lee: Program Committee
COMMERCIAL RELATIONSHIPS: Consultant/Advisory Board: CryoLife

Scott A. LeMaire: Postgraduate Committee Chair, CME Committee

Daniel L. Miller: Program Committee, Postgraduate Committee

Himanshu J. Patel: Program Committee Chair, CME Committee
COMMERCIAL RELATIONSHIPS: Ownership Interest: WL Gore (co-patent holder), Consultant/Advisory Board: W. L. Gore, Medtronic, Terumo Cardiovascular Systems

Chad Stasik: Postgraduate Committee

COMMERCIAL RELATIONSHIPS OF ABSTRACT REVIEWERS
STSA would like to thank the following leaders for reviewing the abstracts submitted for consideration for presentation at the STSA 63rd Annual Meeting. Unless otherwise noted, the abstract reviewers have no relevant commercial relationships.

Paul Brown
Felix Fernandez
RELATIONSHIP DISCLOSURE INDEX

Bryan Helsel
David Jones
Vinayak Kamath
William Keeling
Min Kim
Bradley Leshnower
COMMERCIAL RELATIONSHIPS: Consultant/Advisory Board: CryoLife, Inc.

Keith Mortman
COMMERCIAL RELATIONSHIPS: Consultant/Advisory Board: Ethicon, Inc.; Speakers Bureau/Honoraria: Bard/Davol; Research Grant: Myriad Inc.

Charles Murrah
Basil Nasir
COMMERCIAL RELATIONSHIPS: Consultant/Advisory Board: Ethicon Endo Surgery

James Rankin
T. Brett Reece
James St. Louis
Randy Stevens
COMMERCIAL RELATIONSHIPS OF STSA STAFF
Unless otherwise noted, staff members have no relevant commercial relationships.

Nicole Schroeder: Executive Director
Rachel Pebworth: Senior Coordinator
Beth Winer: Senior Manager

RELATIONSHIP DISCLOSURES FROM PRESENTERS
The following presenters have indicated, in accordance with the Accreditation Council for Continuing Medical Education Standards and the STSA Disclosure Policy, that they have a financial or other relationship with a healthcare-related business or other entity whose products or services may be discussed in, or directly affected in the marketplace by the educational program/product under consideration. Listed too are abstracts whose content describes the use of a device, product, or drug, that is not FDA approved, or the off-label use of an approved device, product, or drug.

Unless noted in this program book or verbally by the speakers, speakers have no relevant financial relationships to disclose and will only be presenting information on devices, products, or drugs that are FDA approved for the purposes they are discussing.
WEDNESDAY, NOVEMBER 9, 2016

STSA/CTS NET SURGICAL MOTION PICTURES

Moderator Commercial Relationships

Helen Mari Merritt, Nothing to Disclose
Richard L. Lee, Consultant/Advisory Board: CryoLife

1V. Robotic Repair of Mitral Commissural Endocarditis With a Bridging Patch Technique


4V. Combined Pulmonary Artery Sleeve Resection / Left Upper Lobectomy and Extended Resection of the Thoracic Aorta After TEVAR For T4 Lung Cancer

COMMERCIAL RELATIONSHIPS: Isaac George: Consultant/Advisory Board: Bolton Medical; Joshua R. Sonett: Consultant/Advisory Board: WebMD

THURSDAY, NOVEMBER 10, 2016

POSTGRADUATE PROGRAM

GENERAL SESSION

Moderator Commercial Relationships

Paul J. Chai, Nothing to Disclose

Managing an Expanding ECMO Program

COMMERCIAL RELATIONSHIPS: Joseph B. Zwischenberger: Ownership Interest: Maquet, W-Z Biotech, LLC

Blood Conservation: Best Practices for Reducing Bleeding and Transfusion Requirements

COMMERCIAL RELATIONSHIPS: Victor A. Ferraris: Consultant/Advisory Board: Acelity

How I Teach It: Thoracoscopic Lobectomy

COMMERCIAL RELATIONSHIPS: Joshua R. Sonett: Consultant/Advisory Board: WebMD

ADULT CARDIAC BREAKOUT

Moderator Commercial Relationships

Anthony L. Estrera, Consultant/Advisory Board: Gore (DSMB, Consulting), Speakers Bureau/Honoraria: Maquet
Neal D. Kon, Nothing to Disclose

Trouble During TAVR: Prevention and Management

COMMERCIAL RELATIONSHIPS: Vinod H. Thourani: Research Grant/PI: Edwards Lifesciences, Medtronic, St. Jude Medical, Boston Scientific; Consultant Advisory Board: Medtronic, Sorin Medical, Abbott Medical, Edwards Lifesciences

GENERAL THORACIC BREAKOUT

Moderator Commercial Relationships

Melanie A. Edwards, Nothing to Disclose
Richard K. Freeman, Nothing to Disclose
RELATIONSHIP DISCLOSURE INDEX

CONGENITAL BREAKOUT
Moderator Commercial Relationships
Paul J. Chai, Nothing to Disclose
Robert J. Dabal, Nothing to Disclose

INTERDISCIPLINARY CARE PROVIDER BREAKOUT
Moderator Commercial Relationships
James St. Louis, Nothing to Disclose

ETHICS DEBATE
Moderator Commercial Relationships
Robert M. Sade, Nothing to Disclose

Case Introduction: Should Hospital Policy Forbid Surgeons to Schedule Concurrent Cases in the Operating Room: Con
COMMERCIAL RELATIONSHIPS: Vinod H. Thourani: Research Grant/PI: Edwards Lifesciences, Medtronic, St. Jude Medical, Boston Scientific; Consultant Advisory Board: Medtronic, Sorin Medical, Abbott Medical, Edwards Lifesciences

THURSDAY NOVEMBER 10, 2016
FIRST SCIENTIFIC SESSION

Moderator Commercial Relationships
Andrea J. Carpenter, Nothing to Disclose

1. Early Surgical Intervention in Patients With Mitral Valve Infective Endocarditis and Acute Stroke: Implications for Timing of Surgery
COMMERCIAL RELATIONSHIPS: James S. Gammie: Consultant/Advisory Board: Edwards Lifesciences; Ownership Interest: Harpoon Medical

2. Outcomes of Adult Extracorporeal Membrane Oxygenation With Outside Facility Transfer: A Regional Referral Center Experience
COMMERCIAL RELATIONSHIPS: Mani A. Daneshmand: Speakers Bureau/Honoraria: Maquet; DISCUSSANT: Joseph B. Zwischenberger: Ownership Interest: Maquet (patent holder), W-Z Biotech, LLC

5. The Changing Spectrum of Tracheostomy Related and Post Intubation Tracheal Stenosis: Implications for Surgical Treatment

6. Contemporary Practice Patterns and Outcomes of Surgery for Acute Type A Aortic Dissection: An Analysis of a Multi-Institutional Regional STS Database

7. Determinants of Hospital Variation in Pneumonia Rates After Coronary Artery Bypass Grafting: An Analysis of 324,085 Consecutive CABG Patients
8. Improved Lymph Node Staging in Early Stage Non-Small Cell Lung Cancer in the National Cancer Database

COMMERCIAL RELATIONSHIPS: DISCUSSANT: Robert J. Cerfolio:
Consultant/Advisory Board: Baird, Community Health Service, Fruitstreet, Myriad, Intuitive, Ethicon, C-SATS, Bovie

FRIDAY, NOVEMBER 11, 2016
BASIC SCIENCE FORUM

 Moderator Commercial Relationships
Min P. Kim, Nothing to Disclose
T. Brett Reece, Nothing to Disclose

2B. Ex Vivo Lung Perfusion Rehabilitates Sepsis-Induced Lung Injury
COMMERCIAL RELATIONSHIPS: DISCUSSANT: Joshua Sonett:
Consultant/Advisory Board: WebMD

4B. Erythropoietin Attenuation of Spinal Cord Ischemia Injury is cR-Receptor Dependent
COMMERCIAL RELATIONSHIPS: Joseph C. Cleveland: Research Grant: St. Jude Medical, HeartWare; DISCUSSANT: Scott LeMaire: Other Research Support: PI Baxter Healthcare, Co-Investigator CytoSorbants, PI Vascutek Terumo, Co-Investigator W. L. Gore & Associates, Co-Investigator Medtronic, Co-Investigator Glaxo Smith Kline

SECOND SCIENTIFIC SESSION

 Moderator Commercial Relationships
Charles B. Huddelston, Nothing to Disclose
Himanshu J. Patel, COMMERCIAL RELATIONSHIPS: Ownership Interest: WL Gore (co-patent holder), Consultant/Advisory Board: W. L. Gore, Medtronic, Terumo Cardiovascular Systems

11. Variability in Integrated Cardiothoracic Surgery Training Program Curriculum
COMMERCIAL RELATIONSHIPS: DISCUSSANT: Richard L. Lee: Consultant/Advisory Board: CryoLife

12. Concomitant Atrial Fibrillation Ablation Remains Underutilized Despite No Additive Risk

15. Surgical Outcomes in Clinical Stage IIIA – N2 Positive, Older Lung Cancer Patients in The Society of Thoracic Surgeons Database
COMMERCIAL RELATIONSHIPS: Patricia Cowper: Research Grant: BMS, Tenax Therapeutics, Gilead, Lilly, AGA Medical, GE, AstraZeneca, Medtronic Inc.

COMMERCIAL RELATIONSHIPS: Tsuyoshi Kaneko: Speakers Bureau Honoraria: Edwards Lifescience

18. Contemporary Outcomes for Low-risk Surgical Aortic Valve Replacement: A Benchmark for Evaluating Transcatheter Aortic Valve Technology
COMMERCIAL RELATIONSHIPS: Alan Speir: Consultant/Advisory Board: Medtronic, Inc.; Gorav Ailawadi: Consultant/Advisory Board: Abbott Vascular, Edwards Lifesciences, St. Jude, Medtronic; Speakers Bureau/
THIRD SCIENTIFIC SESSION A
ADULT CARDIAC BREAKOUT

Moderator Commercial Relationships
Dawn S. Hui, Nothing to Disclose
Chad N. Stasik, Nothing to Disclose

19. Risk Factors for Late Aortic Valve Dysfunction Following the David V Valve Sparing Root Replacement
COMMERCIAL RELATIONSHIPS: Brad Leshnower: Consultant/Advisory Board: CryoLife, Inc.

20. Whole Body Perfusion Strategy for Aortic Arch Repair Under Moderate Hypothermia: Simultaneous Antegrade Cerebral Perfusion and Lower Body Perfusion

21. Moderate Hypothermia and Unilateral Selective Antegrade Cerebral Perfusion is a Safe Perfusion Strategy for Extended Arch Replacement in Patients with Acute Aortic Dissection
COMMERCIAL RELATIONSHIPS: Brad Leshnower: Consultant/Advisory Board: CryoLife, Inc.; DISCUSSANT: Anthony Estrera: Consultant/Advisory Board: Gore (DSMB, Consulting), Speakers Bureau/Honoraria: Maquet

22. Frozen Elephant Trunk is Not the “Bad Boy” Compared With the Traditional Elephant Trunk: Current Trends and Lessons Learned Using the Simplified US Version of the FET

23. Transcatheter Aortic Valve Implantation for Patients With Bicuspid Aortic Valves: Still a Contraindication?

24. Statewide Impact of Transcatheter Aortic Valve Replacement on Surgical Aortic Valve Replacement
THIRD SCIENTIFIC SESSION A
GENERAL THORACIC BREAKOUT

Moderator Commercial Relationships
Elizabeth A. David, Nothing to Disclose
Richard K. Freeman, Nothing to Disclose

25. Multi-institutional Validation of a Modified Thoracic Revised Cardiac Risk Index (m-ThRCRI) for Predicting Cardiac Complications Following Lung Resection
COMMERCIAL RELATIONSHIPS: Frank C. Detterbeck: Research Grant: Medela; Other Research Support: Olympus

26. Is Repeat Pulmonary Metastasectomy Indicated for Soft Tissue Sarcoma?

28. Evaluation of Esophageal Anastomotic Integrity With Serial Pleural Amylase Levels

THIRD SCIENTIFIC SESSION A
CONGENITAL BREAKOUT

Moderator Commercial Relationship
James D. St. Louis, Nothing to Disclose
Mark Plunkett, Nothing to Disclose

THIRD SCIENTIFIC SESSION B
ADULT CARDIAC BREAKOUT

Moderator Commercial Relationships
Faisal G. Bakaeen, Consultant/Advisory Board: JACE Medical
Bryan S. Helsel, Nothing to Disclose

37. Similar Outcomes in Diabetic Patients After CABG With Single ITA Plus Radial Artery Grafting & Bilateral ITA Grafting
COMMERCIAL RELATIONSHIPS: Eugene Blackstone: Research Grant: Edwards Lifesciences; Joseph Sabik: Consultant/Advisory Board: Medtronic, Sorin; Research Grant: Edwards Lifesciences, Abbott

38. Diagnosis and Surgical Management of Pericardial Constriction After Cardiac Surgery

39. Incidence, Risk Factors, and Outcomes of Conversion from Off-pump Coronary Artery Bypass Grafting to On-pump Coronary Artery Bypass Grafting: A Report from the STS Adult Cardiac National Database
RELATIONSHIP DISCLOSURE INDEX

40. Surgical Ablation of Atrial Fibrillation in the United States

THIRD SCIENTIFIC SESSION B
GENERAL THORACIC BREAKOUT

**Moderator Commercial Relationships**
Linda W. Martin, Nothing to Disclose
Basil Nasir, Consultant/Advisory Board: Ethicon Endo Surgery

41. Transcervical Extended Mediastinal Lymphadenectomy (TEMLA) – Experience from a North American Cancer Center
   **COMMERCIAL RELATIONSHIPS:** Elisabeth Dexter: Employment: Up to Date

42. Transversus Abdominis Plane (TAP) Block Improves Perioperative Outcomes After Esophagectomy Compared to Thoracic Epidural (TE)
   **COMMERCIAL RELATIONSHIPS:** Brian E. Louie: Consultant/Advisory Board: Torax Medical, Inc.; Research Grant: Torax Medical, Inc.

43. Office-Based Spirometry: A New Model of Care in Preoperative Assessment for Low-Risk Pulmonary Resections
   **COMMERCIAL RELATIONSHIPS:** Traves D. Crabtree: Consultant/Advisory Board: Ethicon Endo Surgery

THIRD SCIENTIFIC SESSION B
CONGENITAL BREAKOUT

**Moderator Commercial Relationships**
Kara Christian, Nothing to Disclose
Kristine J. Guleserian, Nothing to Disclose

45. Medium-Term Outcomes After Implantation of Expanded-Polytetrafluoroethylene Valved Conduit (ePTFE VC) for Right Ventricular Outflow Tract
   **COMMERCIAL RELATIONSHIPS:** DISCUSSANT: James A. Quintessenza:

SATURDAY, NOVEMBER 12, 2016
Cardiothoracic Coding and Reimbursement Update for 2017

**Moderator Commercial Relationships**
Jeffrey P. Jacobs, Nothing to Disclose

Cardiothoracic CPT Coding Changes
**COMMERCIAL RELATIONSHIPS:** Joseph C. Cleveland: Research Grant: St. Jude Medical, HeartWare
FOURTH SCIENTIFIC SESSION
ADULT CARDIAC BREAKOUT

Moderator Commercial Relationships
Tom C. Nguyen, Nothing to Disclose
Ouraonia Preventza, Consultant/Advisory Board: Medtronic, Gore

49. Midterm Results of Hybrid Arch Repair With Zone 0 Stent Graft Deployment
COMMERCIAL RELATIONSHIPS: Adam Beck: Consultant/Advisory Board: Medtronic, Inc., Cook Medical; Research Grant: W.L. Gore & Associates;
Robert Feezor: Consultant/Advisory Board: Medtronic, Inc., Cook Medical; Research Grant: Cook Medical; Tomas Martin: Consultant/Advisory Board: Medtronic, Terumo, Johnson & Johnson

50. Transmyocardial Laser Revascularization (TMR) for Class IV Angina: 30-Day Outcomes from a Contemporary, Multi-Center Patient Registry
COMMERCIAL RELATIONSHIPS: V. Seenu Reddy: Consultant/Advisory Board: Cryolife

51. Intermediate Outcomes After Conservative Repair of Type A Aortic Dissection
COMMERCIAL RELATIONSHIPS: Michael E. Bowdish: Research Grant: Medtronic, HeartWare, Inc., Sunshine Heart, Inc.

FOURTH SCIENTIFIC SESSION
GENERAL THORACIC BREAKOUT

Moderator Commercial Relationships
Traves Crabtree, Consultant/Advisory Board: Ethicon Endo Surgery
DuyKhanh Ceppa, Nothing to Disclose

FOURTH SCIENTIFIC SESSION A
CONGENITAL BREAKOUT

Moderator Commercial Relationships
Jeffrey P. Jacobs, Nothing to Disclose
Randy Stevens, Nothing to Disclose

57. AvalonElite DLC Provides Reliable Total Cavopulmonary Assist in Failing Fontan Sheep Model Using Valved Extracardiac Conduit

FOURTH SCIENTIFIC SESSION A TRANSPLANT BREAKOUT

Moderator Commercial Relationships
Chadrick R. Denlinger, Nothing to Disclose
Jay D. Pal, Consultant/Advisory Board: St. Jude, HeartWare

62. Donation After Cardiac Death Donors: A Single Center Experience
COMMERCIAL RELATIONSHIPS: Joshua R. Sonett: Consultant/Advisory Board: WebMD

63. Minimally Invasive Left Ventricular Assist Device (LVAD) Implantation Reduces Blood Product Utilization After Heart Transplant
COMMERCIAL RELATIONSHIPS: Simon Maltais: Consultant/Advisory Board: Heartware, Thoratec
HAROLD URSCHEL HISTORY LECTURESHIP

Moderator Commercial Relationships
David R. Jones, Nothing to Disclose
S. Adil Husain, Nothing to Disclose

FOURTH SCIENTIFIC SESSION B

Moderator Commercial Relationships
Andrea J. Carpenter, Nothing to Disclose
Richard L. Prager, Nothing to Disclose

66. Individual Assessment of Frailty Parameters in High-And Extreme-Risk Patients Who Underwent Transcatheter Aortic Valve Replacement

69. Left Ventricular Outflow Tract Obstruction After Transcatheter Mitral Valve-in-Ring Implantation: A Word of Caution
COMMERCIAL RELATIONSHIPS: Charanjit Rihal: Research Grant: Abbott Vascular, Edwards Lifesiences

HOW TO DO IT

Hyperthermic Intrathoracic Chemotherapy for Pleural Malignancies

Axillary Artery Cannulation: Workhorse and Gold Standard
COMMERCIAL RELATIONSHIPS: Ourania Preventza: Consultant/Advisory Board: Medtronic, Gore