



RELATIONSHIP DISCLOSURE INDEX

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*

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*
COMMERCIAL RELATIONSHIPS: Other Research Support: PI Baxter Healthcare, Co-Investigator CytoSorbents, PI Vascutek Terumo, Co-Investigator W. L. Gore & Associates, Co-Investigator Medtronic, Co-Investigator Glaxo Smith Kline

Daniel L. Miller: *Program Committee, Postgraduate Committee*
COMMERCIAL RELATIONSHIPS: Consultant/Advisory Board: Ethicon, Inc., Other Research Support: Medela, Inc., Speakers Bureau Honoraria: Medtronic, Acute Innovations

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

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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*

COMMERCIAL RELATIONSHIPS: J. Scott Rankin: Ownership Interest:

BioStable Science and Engineering, Consultant/Advisory Board: Amedus Corp, Atricure

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

Scott A. LeMaire, Other Research Support: PI Baxter Healthcare, Co-Investigator CytoSorbents, PI Vascutek Terumo, Co-Investigator W. L. Gore & Associates, Co-Investigator Medtronic, Co-Investigator Glaxo Smith Kline

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: Acclity

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

Daniel L. Miller, Consultant/Advisory Board: Ethicon, Inc., Other Research Support: Medela, Inc., Speakers Bureau Honoraria: Medtronic, Acute Innovations

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*

COMMERCIAL RELATIONSHIPS: DISCUSSANT: Daniel L. Miller: Consultant/Advisory Board: Ethicon, Inc., Other Research Support: Medela, Inc., Speakers Bureau Honoraria: Medtronic, Acute Innovations

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

COMMERCIAL RELATIONSHIPS: DISCUSSANT: Ourania Preventza: Consultant/Advisory Board: Medtronic, Gore; **Gorav Ailawadi:** Consultant/Advisory Board: Abbott Vascular, Edwards Lifesciences, St. Jude, Medtronic; Speakers Bureau/Honoraria: Atricure, Convatec

7. *Determinants of Hospital Variation in Pneumonia Rates After Coronary Artery Bypass Grafting: An Analysis of 324,085 Consecutive CABG Patients*

COMMERCIAL RELATIONSHIPS: J.Scott Rankin: Ownership Interest: BioStable Science and Engineering, Consultant/Advisory Board: Amedus Corp, Atricure; **DISCUSSANT: Jay D. Pal:** Consultant/Advisory Board: St. Jude, HeartWare

-
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 CytoSorbents, 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*

COMMERCIAL RELATIONSHIPS: Alan Speir: Consultant/Advisory Board:

Medtronic, Inc.; Jonathon Philpott: Speakers Bureau/Honoraria: AtriCure,

Inc.; Gorav Ailawadi: Consultant/Advisory Board: Abbott Vascular, Edwards

Lifesciences, St. Jude, Medtronic; Speakers Bureau/Honoraria: Atricure,

Convatec

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.

17. *Outcomes of Reoperative Mitral Valve Replacement in Patients With Prior Mitral Valve Repair and Replacement: A Benchmark for Future Valve-in-Valve Transcatheter Mitral Valve Replacement*

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/

RELATIONSHIP DISCLOSURE INDEX

Honoraria: Atricure, Convatec

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*

COMMERCIAL RELATIONSHIPS: Michael Chu: Speakers Bureau/Honoraria: Medtronic, Edwards Lifesciences; **DISCUSSANT: Joseph S. Coselli**: Other Research Support: Bolton Medical, Glaxo Smith Kline, WL Gore & Associates, Medtronic, Inc., Edwards Lifesciences, Vascutek Terumo; Consultant/Advisory Board: St. Jude Medical, Inc., Vascutek Terumo, Medtronic, Inc., WL Gore & Associates; **Bob Kiaii**: Speakers Bureau/Honoraria: Medtronic, LivaNova, Symetis; Consultant/Advisory Board: Johnson and Johnson

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 Estreza**: 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*

COMMERCIAL RELATIONSHIPS: Ourania Preventza: Consultant/Advisory Board: Medtronic, Gore; Scott A. LeMaire: ; Joseph S. Coselli: Other Research Support: Bolton Medical, Glaxo Smith Kline, WL Gore & Associates, Medtronic, Inc., Edwards Lifesciences, Vascutek Terumo; Consultant/Advisory Board: St. Jude Medical, Inc., Vascutek Terumo, Medtronic, Inc., WL Gore & Associates

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

COMMERCIAL RELATIONSHIPS: Won Kim: Speakers Bureau/Honoraria: Symetis, St. Jude Medical; **DISCUSSANT: Vinod H. Thourani**: Research Grant/PI: Edwards Lifesciences, Medtronic, St. Jude Medical, Boston Scientific; Consultant Advisory Board: Medtronic, Sorin Medical, Abbott Medical, Edwards Lifesciences

24. *Statewide Impact of Transcatheter Aortic Valve Replacement on Surgical Aortic Valve Replacement*

COMMERCIAL RELATIONSHIPS: Alan Speir: Consultant/Advisory Board: Medtronic, Inc.; **Gorav Ailawadi**: Consultant/Advisory Board: Abbott Vascular, Edwards Lifesciences, St. Jude, Medtronic; Speakers Bureau/Honoraria: Atricure, Convatec

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*

COMMERICAL RELATIONSHIPS: Frank C. Detterbeck: Research Grant: Medela; Other Research Support: Olympos

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

COMMERICAL RELATIONSHIPS: Rodrigo R. Munhoz: Speakers Bureau/Honoraria: BMS, Roche; Research Grant: Eli-Lilly; Consultant/Advisory Board: MSD, Eli-Lilly; **Daniela Molena**: Speakers Bureau/Honoraria: Novadaq, Inc.; **Bernard J. Park**: Speakers Bureau/Honoraria: Bard

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

COMMERICAL RELATIONSHIPS: Daniel L. Miller: Consultant/Advisory Board: Ethicon, Inc., Other Research Support: Medela, Inc., Speakers Bureau Honoraria: Medtronic, Acute Innovations

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*

COMMERICAL 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*

COMMERICAL RELATIONSHIPS: Richard Daly: Ownership Interest: NeoChord, Inc.; **DISCUSSANT: Douglas Johnston**: Consultant/Advisory Board: St. Jude Medical, Other Research Support: PI Edwards Lifesciences

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*

COMMERICAL 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; **Gorav Ailawadi**: Consultant/Advisory Board: Abbott Vascular, Edwards Lifesciences, St. Jude, Medtronic; Speakers Bureau/Honoraria: Atricure, Convatec; **DISCUSSANT: Faisal G. Bakaeen**: Consultant/Advisory Board: JACE Medical

RELATIONSHIP DISCLOSURE INDEX

40. *Surgical Ablation of Atrial Fibrillation in the United States*

COMMERCIAL RELATIONSHIPS: Niv Ad: Speakers Bureau/Honoraria: Atricure, Medtronic, Advisory Board: LivaNova; **J.S. Rankin:** Ownership Interest: BioStable Science and Engineering, Consultant/Advisory Board: Amedus Corp, Atricure; **Ralph J. Damiano:** Speakers Bureau/Honoraria: AtriCure; **Patrick McCarthy:** Consultant/Advisory Board: Edwards Lifesciences, Abbot Vascular; Ownership Interest: Edwards Lifesciences; **A.M. Gillinov:** Speakers Bureau/Honoraria: Medtronic, Edwards Lifesciences, St. Jude Medical, AtriCure; Consultant/Advisory Board: On-X Life Technologies, Abbott, Ownership Interest: ClearFlow; **Vinod H. Thourani:** Research Grant/PI: Edwards Lifesciences, Medtronic, St. Jude Medical, Boston Scientific; Consultant Advisory Board: Medtronic, Sorin Medical, Abbott Medical, Edwards Lifesciences; **James L. Cox:** Consultant/Advisory Board: Atricure, Inc., SentreHEART, Inc.; Ownership Interest: Adagio Medical, Inc.; **DISCUSSANT: Gorav Ailawadi:** Consultant/Advisory Board: Abbott Vascular, Edwards Lifesciences, St. Jude, Medtronic; Speakers Bureau/Honoraria: Atricure, Convatec

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

Karla 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

Ourania 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*

COMMERCIAL RELATIONSHIPS: Dongfang Wang: Ownership Interest: Maquet; **Cherry Ballard-Croft:** Employment: W-Z Biotech, LLC; **Joseph Zwischenberger:** Ownership Interest: Maquet, W-Z Biotech, LLC

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

RELATIONSHIP DISCLOSURE INDEX

HAROLD URSCHER 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*

COMMERCIAL RELATIONSHIPS: Brad Leshnowar: Consultant/Advisory Board: CryoLife, Inc.; Chandan Devireddy: Consultant/Advisory Board: Medtronic Inc., Vascular Dynamics; Vinod H. Thourani: Research Grant/PI: Edwards Lifesciences, Medtronic, St. Jude Medical, Boston Scientific; Consultant Advisory Board: Medtronic, Sorin Medical, Abbott Medical, Edwards Lifesciences

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 Lifesciences

HOW TO DO IT

Hyperthermic Intrathoracic Chemotherapy for Pleural Malignancies

COMMERCIAL RELATIONSHIPS: Daniel L. Miller: Consultant/Advisory Board: Ethicon, Inc., Other Research Support: Medela, Inc., Speakers Bureau Honoraria: Medtronic, Acute Innovations

Axillary Artery Cannulation: Workhorse and Gold Standard

COMMERCIAL RELATIONSHIPS: Ourania Preventza: Consultant/Advisory Board: Medtronic, Gore