



ADVANCE PROGRAM



SOUTHERN THORACIC SURGICAL ASSOCIATION

64th ANNUAL MEETING & EXHIBITION

MEETING DATES: NOVEMBER 8-11, 2017

JW MARRIOTT SAN ANTONIO | SAN ANTONIO, TEXAS

LETTER FROM STSA PRESIDENT



As President of the Southern Thoracic Surgical Association, it is my great pleasure to extend this invitation to you to attend the STSA 64th Annual Meeting, November 8-11, 2017 at the JW Marriott San Antonio Hill Country Resort & Spa in San Antonio, TX. Please take a few minutes to review the educational listings in this Advance Program. **We have made new and exciting updates to the schedule you may be accustomed to over the years, so be sure to look**

closely at these exciting changes. The STSA Program Committee carefully considered comments and suggestions received from last year's attendees when creating the 2017 program. Changes to this year's schedule reflect suggestions from our membership and hopefully will better address the educational needs and busy schedules of our STSA members.

The meeting will kick off on Thursday, Nov. 9 with the Ethics Debate and the Basic Science Forum, followed by three General Sessions featuring outstanding paper and video presentations. Another General Session and concurrent subspecialty breakouts on Friday, Nov. 10 will feature cardiac, thoracic, congenital, ECMO and transplant topics. All sessions have been scheduled to allow for plenty of opportunities for thoughtful discussion.

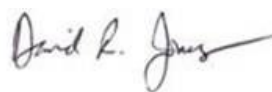
Again this year, we have an excellent Postgraduate Program, to be held on Saturday, Nov. 11. This year's theme, "Cardiothoracic Surgery: Changing Practices, Changing Technologies," will be addressed in General Sessions and subspecialty breakouts. A new addition to our programming is to feature a living legend in cardiothoracic surgery. I am thrilled that this year's spotlight will be on Dr. Joe Coselli from Texas Heart Institute/Baylor College of Medicine.

In addition to the educational sessions, don't miss this year's social events. The All Attendee Luncheon will be held on Thursday, Nov. 9, and medical students and residents are encouraged to attend the Residents Reception later that evening. Immediately following is the President's Mixer, which all attendees are welcome to attend to catch up with their colleagues. On Friday, Nov. 10, we have special luncheons have been planned for early practitioners and interdisciplinary care provides. Later that night, I invite you to join me at the Annual Awards Dinner which will feature entertainment, this year's award-winning presentations, and plenty of time to socialize with fellow members and their families. Although black tie is always in fashion, you are welcome to wear cocktail attire. And be sure to extend your stay beyond the educational sessions and sign up for the annual STSA golf outing on Saturday, Nov. 11 at 12:00 pm.

Please bring your family and enjoy the amenities and activities offered at the beautiful JW Marriott San Antonio Resort & Spa. It's a perfect fit for STSA members, family and friends. The resort is set on a 36-hole golf course, accompanied by a 9-acre water park and lazy river, stunning views and world-class amenities, including the luxurious Lantana Spa, and exceptional dining.

Make plans now to join your STSA colleagues this November. You can register at www.stsa.org. I look forward to seeing you at the JW Marriott San Antonio!

Sincerely,



David R. Jones, MD
STSA President

Special thanks to the members of the Program Committee and Postgraduate Committee and all abstract reviewers who volunteered their time, energy, and expertise in developing the STSA 64th Annual Meeting program.

PROGRAM COMMITTEE

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Richard L. Lee, MD (Co-Chair)
Faisal G. Bakaeen, MD
Andrea J. Carpenter, MD
Elizabeth A. David, MD
Joseph A. Dearani, MD
Richard K. Freeman, MD
David R. Jones, MD
Daniel L. Miller, MD
Daniela Molena, MD

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Melanie A. Edwards, MD (Co-Chair)
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Andrea J. Carpenter, MD
Richard K. Freeman, MD
Kirk R. Kanter, MD
Ahmet Kilic, MD
Daniel L. Miller, MD
Chad N. Stasik, MD

ABSTRACT REVIEWERS

Kevin D. Accola, MD
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Faisal G. Bakaeen, MD
Andrea J. Carpenter, MD
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Aaron W. Eckhauser, MD
Richard K. Freeman, MD
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Dawn S. Hui, MD
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Edward B. Savage, MD
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Vinod H. Thourani, MD

SOUTHERN THORACIC SURGICAL ASSOCIATION EDUCATION DISCLOSURE POLICY

As a sponsor of continuing medical education accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Southern Thoracic Surgical Association requires that any individual who is in a position to control the content of an educational activity must disclose all relationships with commercial interests (including known relationships of his or her immediate family, department, and partners). The ACCME defines a commercial interest as "any entity producing, marketing, reselling, or distributing health care goods or services consumed by, or used on, patients. The ACCME does not consider providers of clinical service directly to patients to be commercial interests." The question of whether a disclosed conflict situation could represent undue influence on the educational activity by a commercial interest, or whether the disclosed information is sufficient to consider an abstract, presentation, or other educational enduring material to represent potentially biased information must be resolved prior to an individual's involvement in STSA educational programming.

Required disclosures include (1) financial interest of any amount (e.g., through ownership of stock, stock options, or bonds) (2) the receipt of any amount of cash, goods, or services within the current 12-month period (e.g., through research

grants, employment, consulting fees, royalties, travel, or gifts) or (3) a non-remunerative position of influence (e.g., as officer, director, trustee or public spokesperson). EXCLUDED from this disclosure requirement are blind trusts or other passive investments such as mutual funds. In the case of a financial or other relationship disclosure, the company, product/service, and specific nature of the relationship must be noted. Disclosure is mandatory for any person involved in the planning, management, presentation, and/or evaluation of STSA educational activities.

Failure to disclose all financial relationships with commercial interests 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 STSA 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 the STSA to assess and resolve potential influences on the educational activity prior to the planning and implementation of an educational activity. All abstracts and presentations are reviewed for potential conflicts of interest. All conflicts of interest must be

resolved prior to presentation. Any abstract/paper with a conflict that is deemed unresolvable will not be presented at the Annual Meeting. If no relationships with commercial interests exist, the individual must indicate this on the disclosure form.

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 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.

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. Slides, handouts, and other materials utilized as part of an educational activity cannot contain any advertising, trade names, or a product group message. Speakers are required to disclose that they have nothing to disclose if this is the case.

Amended by the STSA Council April, 28, 2012

STSA 64th Annual Meeting

The Southern Thoracic Surgical Association is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians. The STSA designates this educational activity for a maximum of 17 AMA PRA Category 1 Credit(s)TM. Physicians should only claim credit commensurate with the extent of their participation in the activity.

SCHEDULE ** THURSDAY, NOVEMBER 9, 2017

**Schedule subject to change.

10:00 am - 12:00 pm

1:30 pm - 3:30 pm

EXHIBITS OPEN

7:00 am - 7:50 am

ETHICS DEBATE

CME Credits Available: 1.0

Moderator: *Robert M. Sade

7:00 am - 7:05 am

Case Introduction: Battling the Chimera: How Much Disclosure of Rare Risks is Necessary?

7:05 am - 7:20 am

Pro: *Richard L. Prager

University of Michigan, Ann Arbor, MI

7:20 am - 7:35 am

Con: *Gregory Trachiotis

George Washington University, Washington, DC

7:35 am - 7:50 am

Discussion

7:00 am - 7:50 am

BASIC SCIENCE FORUM

CME Credits Available: 1.0

Moderators: *Min P. Kim and *T. Brett Reece

7:02 am - 7:10 am

1B. Programmed Death Ligand 1: A Step Toward Immunoscore for Esophageal Cancer

Conor F. Hynes¹, Dong H. Kwon¹, Chaitanya Vadlamudi¹, Alexander Lofthus¹, Aya Iwamoto¹, Joe Jeffrey J. Chahine¹, Sameer Desale², *Marc Margolis¹, Bhaskar V. Kallakury¹, Thomas J. Watson¹, Nadim G. Haddad¹, *M.B. Marshall¹

¹MedStar Georgetown University Hospital, Atlanta, GA;

²MedStar Health Research Institute, Atlanta, GA

7:10 am - 7:18 am

2B. Extended Brain Death Impairs Outcomes in Swine Lung Transplantation

David J. Hall, Eduardo Fontena, David C. Holden, Joshua M. Pickering, *Thomas M. Beaver, Lyle L. Moldawer, Tiago N. Machuca
University of Florida, Gainesville, FL

7:18 am - 7:26 am

3B. Upregulation of Beta Common Subunit by Diazoxide Enhances Anti-apoptotic Effects of Erythropoietin in Mouse Model of Spinal Cord Ischemia and Reperfusion Injury

Katsuhiro Yamaka, Mohamed Eldeiry, *Muhammad Aftab, Lisa S. Foley, Joshua Mares, Xianzhong Meng, *Michael J. Weyant, *Joseph C. Cleveland, *David A. Fullerton, *T.B. Reece
University of Colorado, Aurora, CO

THURSDAY, NOVEMBER 9, 2017

7:26 am - 7:34 am

4B. Correlating Oxygen Delivery on Cardiopulmonary Bypass With the Neurological Injury Biomarker UCH-L1

J. Trent Magruder¹, Charles Fraser¹, Joshua C. Grimm¹, Todd C. Crawford¹, Alejandro Suarez-Pierre¹, Ronald Hayes², Claude Beaty³, Michael V. Johnston¹, *William A. Baumgartner¹

¹Johns Hopkins School of Medicine, Baltimore, MD;

²Banyan Biomarkers, Alachua, FL; ³University of Michigan, Ann Arbor, MI

7:34 am - 7:42 am

5B. The Association of Novel Cardiac Biomarkers and 1-Year Readmission or Mortality After Cardiac Surgery

*Jeffrey P. Jacobs¹, *Marshall Jacobs², Chirag Parikh³, Allen Everett², *Donald S. Likosky⁴, Moritz Wyler von Ballmoos⁵, *Kevin W. Lohdell⁶, Shama Alam⁷, Heather Thiessen Philbrook³, Todd MacKenzie⁷, Jeremiah Brown⁷

¹Johns Hopkins All Children's Heart Institute, St. Petersburg, FL; ²Johns Hopkins Medicine, Baltimore, MD; ³Yale School of Medicine, New Haven, CT;

⁴University of Michigan, Ann Arbor, MI; ⁵Medical College of Wisconsin, Madison, WI; ⁶Carolinas HealthCare System, Charlotte, NC; ⁷The Dartmouth Institute for Health Policy & Clinical Practice, Lebanon, NH

7:42 am - 7:50 am

6B. Thoracic and Cardiovascular Surgeons Achieve High Rates of K Award Conversion into R01 Funding

*Adishesh Narahari, *James Mehaffey, *Robert Hawkins, Pranav Baderdinni, Anirudha Chandrabhatla, *Irving Kron, *Mark Roeser, Dustin Walters, *Gorav Ailawadi

University of Virginia, Charlottesville, VA

7:50 am - 8:00 am

BREAK

8:00 am - 10:30 am

FIRST SCIENTIFIC SESSION

CME Credits Available: 2.5

Moderators: *David R. Jones and *Daniel L. Miller

8:00 am - 8:15 am

1. Favorable Early and Midterm Outcomes of Transcatheter Aortic Valve Replacement in Patients with Bicuspid Aortic Valve: A Single Center Study
Seyed Hossein Aalaei Andabili, *Thomas M. Beaver, Anthony A. Bavry, John Petersen, R. David Anderson, *Charles T. Klodell, Ashkan Karimi, Heather Reed, Teng Lee, *George Arnaoutakis
University of Florida, Gainesville, FL

8:15 am - 8:30 am

2. Long-term Results for Clinical Stage IA Lung Cancer - Comparing Recurrence and Survival Between Lobectomy and Sublobar Resection
Melanie P. Subramanian¹, Timothy McMurry², *Varun Puri¹, *Bryan F. Meyers¹, *Benjamin Kozower¹

¹Washington University/Barnes Jewish Hospital, St. Louis, MO; ²University of Virginia, Charlottesville, VA

8:30 am - 8:45 am

3. Pulmonary Arteriovenous Malformation Regression Following a Fontan is Associated With Angiopoietin-2 Driven Angiogenesis Inhibition

*Minoo N. Kavarana, Robert Stroud, Rupak Mukherjee, Jeffrey A. Jones, *Scott M. Bradley
Medical University of South Carolina, Charleston, SC

8:45 am - 9:00 am

4. A Novel Risk Score Predicts In-hospital Mortality After Operative Repair of Stanford Type A Acute Aortic Dissection

*Mehrdad Ghoreishi, Eric Wise, Luqman Croal-Abrahams, Charles Drucker, Richa Kalsi, Nandakumar Menon, Salva Hassan, Robert Crawford, Bradley S. Taylor
University of Maryland, Baltimore, MD

9:00 am - 9:15 am

5. Safety of Next Day Discharge Following Lobectomy: Have We Broken The Speed Limit?
Stephen Greer², *Ashley D. Miller¹, *Jeremiah Smith¹, *James R. Headrick, Jr.²

¹ACTVS, Chattanooga, TN; ²University of Tennessee, Chattanooga, TN

9:15 am - 9:30 am

6. Transcatheter Versus Surgical Aortic Valve Replacement in Patients With Prior Mitral Valve Surgery

John Kelly, Jessica Forcillo, David Cervantes, Jose Binongo, John Hunting, Vasilis Babaliaros, Jose Iturbe, *Robert Guyton, Chandan Devireddy, *Bradley G. Leshnower, James P Stewart, *Vinod H. Thourani
Emory University, Atlanta, GA

9:30 am - 9:45 am

7. Implementing a Thoracic Enhanced Recovery Program: Lessons Learned in the First Year

*Meredith A. Harrison, Bethany Sarosiek, Traci Hedrick, *A. Sasha Krupnick, *Christine Lau, Robert Thiele, Dustin Walters, Randal Blank, *Linda W. Martin
University of Virginia, Charlottesville, VA

9:45 am - 10:00 am

8. Predictors of Failure of Medical Management in Uncomplicated Type B Aortic Dissection

Xiaoying Lou, Yazan M. Duwayri, *Edward P. Chen, William D. Jordan, Jessica Forcillo, *Bradley G. Leshnower
Emory University, Atlanta, GA

10:00 am - 10:15 am

9. The Relationship Between Pre-operative Aortic Arch Dimensions and Late Outcome Following Coarctation Repair in Infancy via Lateral Thoracotomy

Preeti Ramachandran¹, Philip Khoury¹, Robert Beekman², Erik C. Michelfelder³, *James S. Tweddell¹, James Cnota¹

¹Pediatric Cincinnati Children's Hospital Medical Center, Cincinnati, OH; ²CS Mott Children's Hospital, Ann Arbor, MI; ³Sibley Heart Center, Children's Healthcare of Atlanta, Atlanta, GA

10:15 am - 10:30 am

10. History and Evolution of the STSA President's Award for Best Scientific Paper

*Constantine Mavroudis

Johns Hopkins Children's Heart Surgery Florida Hospital for Children, Johns Hopkins University School of Medicine, Orlando, FL

10:30 am - 11:00 am

BREAK – VISIT EXHIBITS

11:00 am - 12:00 pm

GENERAL SESSION

CME Credits Available: 1.0

Moderator: *S. Adil Husain

11:00 am - 11:20 am

President's Invited Lecturer

*Pedro del Nido

Boston Children's Hospital, Boston, MA

11:20 am - 12:00 pm

Presidential Address

*David R. Jones

Memorial Sloan Kettering Cancer Center, New York, NY

12:00 pm

ALL ATTENDEE LUNCHEON

Dessert served in the Exhibit Hall from 1:30 pm - 2:00 pm

1:30 pm - 2:00 pm

BREAK – VISIT EXHIBITS

2:00 pm - 3:00 pm

SECOND SCIENTIFIC SESSION

CME Credits Available: 1.0

Moderators: *S. Adil Husain and *Richard L. Lee

2:00 pm - 2:15 pm

11. Amiodarone Protocol Provides Cost Effective Reduction in Postoperative Atrial Fibrillation

*J.H. Mehaffey, *Robert B. Hawkins, Matthew R. Byler, *John A. Kern, *Irving L. Kron, *Gorav Ailawadi, Tanya Wanchek, Leora Yarbboro
University of Virginia, Charlottesville, VA

2:15 pm - 2:30 pm

12. Outcomes of an Intensive, Pre-Operative Smoking Cessation Program

Kayla Fay, Joseph Phillips, Timothy Millington, David Finley

Dartmouth-Hitchcock Medical Center, Lebanon, NH

2:30 pm - 2:45 pm

13. Federal Litigation of Cardiac Surgery: Neurologic Injury Predicts Plaintiff Success

*Dawn S. Hui, Katie Tichich, *Richard L. Lee
St. Louis University, St. Louis, MO



2:45 pm - 3:00 pm

14. Creation, Implementation and Assessment of a Transportable General Thoracic Surgical Skills Simulation Course in a Low-Middle Income Country
Adriana G. Ramirez¹, Fidele Byiringiro², Nebil Nuradin¹, Robinson Ssebuufu³, George J. Stukenborg¹, Georges Ntakiyiruta², Thomas M. Daniel¹

¹University of Virginia, Charlottesville, VA; ²University of Rwanda Teaching Hospital, Kigali, Rwanda; ³Kampala International University, Ishaka-Bushenyi, Uganda

3:00 pm - 3:30 pm

BREAK – VISIT EXHIBITS

3:30 pm - 5:30 pm

THIRD SCIENTIFIC SESSION

CME Credits Available: 2.0

Moderators: *Richard K. Freeman and *John H. Calhoun

3:30 pm - 3:45 pm

15. Genetic Syndromes and Extracardiac Anomalies are Associated With Inferior Single Ventricle Palliation Outcomes
*Bahaaldin Alsoufi, Courtney McCracken, *Kirk R. Kanter, Subhadra Shashidharan, *E.D. McKenzie
Emory University, Atlanta, GA

3:45 pm - 4:00 pm

16. Surgeon Led CT Screening for Lung Cancer: A 10-Year Process
*Daniel L. Miller, Vickie J. Beckler, Aaron A. Cann, Gerald A. Helms, *William R. Mayfield
WellStar Health System, Marietta, GA

4:00 pm - 4:15 pm

17. Does Mitral Valve Calcium in Patients Undergoing Mitral Valve Replacement Portend Worse Survival?
Nishant Saran, *Sameh Said, *Hartzell Schaff, Kevin Greason, *Simon Maltais, *John M. Stulak, Lyle D. Joyce, Alberto Pochettino, Richard Daly, *Joseph Dearani
Mayo Clinic, Rochester, MN

4:15 pm - 4:30 pm

18. The Role of Post-Operative Radiation Therapy (PORT) Following Induction Chemotherapy and Resection in Patients With Stage III (N2) Non-Small Cell Lung Cancer
Whitney Brandt, Wanpu Yan, Jonathan E. Leeman, Kay See Tan, Manjit S. Bains, Bernard J. Park, Prasad S. Adusumilli, *Matthew Bott, *Daniela Molena, Andreas Rimner, *David R. Jones
Memorial Sloan Kettering Cancer Center, New York, NY

4:30 pm - 4:45 pm

19. A Propensity Matched Analysis of Robotic, Minimally Invasive, and Conventional Mitral Valve Surgery
*Robert B. Hawkins¹, *J H. Mehaffey¹, *Wiley Nifong², *W. Randolph Chitwood¹, Mohammed Quader³, *Andy Kiser², *Alan Speir⁴, *Gorav Ailawadi¹, Marc Katz⁵
¹University of Virginia, Charlottesville, VA; ²East Carolina University, Greenville, NC; ³Virginia Commonwealth University, Richmond, VA; ⁴INOVA Heart and Vascular Institute, Falls Church, VA; ⁵Medical University of South Carolina, Charleston, SC

4:45 pm - 5:00 pm

20. Patient Outcomes After Stent Failure for the Treatment of Acute Esophageal Perforation
Ong Gabie, *Richard K. Freeman, *Anthony J. Ascioti, Raja Mahidhara, Vijay K. Nuthakki
St. Vincent Hospital and Health System, Indianapolis, IN

5:00 pm - 5:15 pm

21. Use of a Bare Metal Stent in Addition to a Covered Endograft for Management of Complicated Acute Type B Aortic Dissection Offers Positive Remodeling for the Thoracoabdominal Aorta
Ibrahim Sultan, Dhaval Trivedi, Rachel McGargle, Andrew D. Althouse, Floyd Thoma, Forozan Navid, Thomas G. Gleason
University of Pittsburgh, Pittsburgh, PA

5:15 pm - 5:30 pm

22. Timing and Risk Factors Associated With Venous Thromboembolism Following Lung Cancer Surgery
Daniel C. Thomas¹, Brian N. Arnold¹, *Frank C. Detterbeck¹, Daniel J. Boffa¹, Anthony W. Kim², Justin D. Blasberg¹
¹Thoracic Surgery, Yale School of Medicine, New Haven, CT; ²University of Southern California, Los Angeles, CA

6:00 pm - 7:00 pm

RESIDENTS RECEPTION

7:00 pm - 9:00 pm

PRESIDENT'S MIXER

FRIDAY, NOVEMBER 10, 2017

7:45 am - 12:00 pm

12:45 pm - 3:30 pm

EXHIBITS OPEN

7:00 am - 8:30 am

FOURTH SCIENTIFIC SESSION A

Simultaneous Adult Cardiac, Thoracic, and Congenital Breakout Sessions

CME Credits Available: 1.5

ADULT CARDIAC BREAKOUT

Moderators: *Michael Mack and *Faisal Bakaeen

7:00 am - 7:15 am

23. Repair of Thoracic and Thoracoabdominal Mycotic Aneurysms and Infected Aortic Grafts Using Cryopreserved Allograft

*Joel Corvera¹, David Blitzer¹, Hannah Copeland², Daniel Murphy¹, *Philip Hess¹, John Fehrenbacher¹

¹Indiana University, Indianapolis, IN; ²Virginia Commonwealth University, Richmond, VA

7:15 am - 7:30 am

24. Outcomes of Planned 2-Stage Hybrid Aortic Repair With Dacron Replaced Proximal Landing Zone

David Ranney, Morgan Cox, Babatunde A. Yerokun, Ehsan Benrashid, Richard McCann, *G.C. Hughes
Duke University Medical Center, Durham, NC

7:30 am - 7:45 am

25V. Leaflet Reconstructive Techniques for Aortic Valve Repair

Domenico Mazzitelli², Theodor Fischlein⁵, *J.S. Rankin¹, Yeong-Hoon Choi³, Christof Stamm⁴, Steffen Pfeiffer⁵, Lawrence Wei¹, *Vinay Badhwar¹

¹West Virginia University, Morgantown, WV; ²Klinikum Bogenhausen, Munich, Germany; ³University of Cologne, Cologne, Germany; ⁴German Heart Center Berlin, Berlin, Germany; ⁵Klinikum Nürnberg, Nuremberg, Germany

7:45 am - 8:00 am

26. The David V Valve Sparing Aortic Root Replacement Provides Excellent Mid to Long Term Outcomes for Bicuspid Valve Aortopathy Irrespective of the Degree of Preoperative Aortic Insufficiency

*Michael O. Kayatta, *Bradley G. Leshnowar, LaRonica McPherson, Jose Binongo, Yi Lasanajak, *Edward P. Chen

Emory University, Atlanta, GA

8:00 am - 8:15 am

27. Functional Outcomes of Non-aneurysmal Type I Bicuspid Aortic Valve Repair With Annular Stabilization: Subcommissural Annuloplasty Versus External Subannular Aortic Ring

Hanjo Ko, Joseph E. Bavaria, Caroline Komlo, Yianni Augoustides, Melanie Freas, Mary Siki, Karianna Milewski, Wilson Y. Szeto, Nimesh Desai, Prashanth Vallabhajosyula

University of Pennsylvania, Philadelphia, PA

8:15 am - 8:30 am

28V. Open Surgical Repair for the Removal of an Atrial Septal Amplatzer™ Device Eroding the Aortic Root

*Joseph S. Coselli, *Scott A. LeMaire, *Ourania Preventza, *Kim I. de la Cruz, Cristian Rosu, *Gregory Pattakos, Scott Weldon

Baylor College of Medicine, Houston, TX

THORACIC BREAKOUT

Moderators: *Daniela Molena and *Jennifer Marks

7:00 am - 7:15 am

29. Risk Factors for Occult N2 Disease in Patients With Non-Small Cell Lung Cancer

Adam R. Dias¹, R.W. King¹, Asem F. Ghanim¹, *Robert J. Cerfolio²

¹University of Alabama, Birmingham, AL; ²New York University, New York, NY

7:15 am - 7:30 am

30. Current State of Empyema Management

Tara R. Semenkovich, Margaret A. Olsen, *Varun Puri, *Bryan F. Meyers, *Benjamin Kozower
Washington University, St. Louis, MO

7:30 am - 7:45 am

31V. Hybrid Superior Sulcus Tumor Resection

Jordan Hoffman, John D. Mitchell
University of Colorado, Denver, CO

7:45 am - 8:00 am

32. Excess Cost of Complications and Their Predictive Factors After Esophagectomy in the SEER-Medicare Database

Renjian Jiang², Yuan Liu², Kevin Ward², *Seth D. Force¹, *Allan Pickens¹, *Manu S. Sancheti¹, *Jeffrey Javidfar¹, *Felix Fernandez¹, *Onkar V. Khullar¹

¹Emory University School of Medicine, Decatur, GA;

²Rollins School of Public Health, Emory University, Atlanta, GA

8:00 am - 8:15 am

33. Assessing the Clinical Feasibility of Implementing a Novel Assessment of Frailty, the Electronic Rapid Fitness Assessment in Diverse Thoracic Surgery Clinics

Robert J. Downey, Beatriz Korc-Grodzicki, Ryan Weber, Andrew Vickers, *David R. Jones, Manjit S. Bains, Armin Shahrokni

Memorial Sloan Kettering Cancer Center, New York, NY

8:15 am - 8:30 am

34. Comprehensive Program for Air Leak Prevention and Management After Lobectomy for Lung Cancer is Associated With Reduced Length of Stay

Jessica Mayor¹, Donald R. Lazarus¹, Roberto F. Casal², Shuab Omer¹, *Ourania Preventza¹, Katherine Simpson¹, Ernesto Jimenez¹, *Lorraine D. Cornwell¹

¹Baylor College of Medicine, Houston, TX; ²MD Anderson Cancer Center, Houston, TX

CONGENITAL BREAKOUT

Moderators: *Carl Backer and *J. Brian Clark

7:00 am - 7:15 am

35. Identification of Cerebral Blood Flow Patterns Following Single Ventricle Palliation in Neonates Using Protocolized Serial Transcranial Doppler: A Feasibility Study

Tara Karamlou¹, Jorge Arango², Lucia Mirea¹, Monique Riemann¹, David Adelson^{1,2}, Richard Towbin¹, John Nigro^{3,1}

¹Phoenix Children's Hospital, Phoenix, AZ; ²Barrow's Neurologic Institute, Phoenix, AZ; ³Pediatric Cardiac Surgery, Rady Children's Hospital, San Diego, CA

7:15 am - 7:30 am

36. Use of Septal Myectomy in Subaortic Stenosis Membrane Resection: The Effect on Recurrence Rates Requiring Reoperation

Alyssa A. Mazurek, Sunkyoung Yu, Ray E. Lowery, Richard Ohye

University of Michigan, Ann Arbor, MI

7:30 am - 7:45 am

37. Neonatal Systemic Pulmonary Shunts: Is the Configuration of the Shunt a Risk Factor?

*Joseph Caspi

Louisiana State University, New Orleans, LA

7:45 am - 8:00 am

38. Liberal Use of Delayed Sternal Closure Following Pediatric Cardiac Surgery is Not Associated With Increased Morbidity

S. Ram Kumar^{2,1}, Nigel Scott², Winfield J. Wells^{2,1}, Vaughn A. Starnes^{2,1}

¹University of Southern California, Los Angeles, CA;

²Children's Hospital, Los Angeles, Los Angeles, CA

8:00 am - 8:15 am

39. Porcine Small Intestine Submucosa Patch is a Suitable Material for Norwood Arch Reconstruction

Roni Jacobsen^{1,2}, *Michael E. Mitchell^{1,2}, Ronald Woods^{1,2}, Shagun Sachdeva^{1,2}, *James S. Tweddell^{3,4}

¹Children's Hospital of Wisconsin, Milwaukee, WI;

²Medical College of Wisconsin, Milwaukee, WI;

³Cincinnati Children's Hospital Medical Center,

Cincinnati, OH; ⁴University of Cincinnati, Cincinnati, OH

8:15 am - 8:30 am

40. Less is More in Post Pediatric Heart Transplant Care

Samantha Wagner, Michelle Staron, Jennifer Maldonado, R. E. Edens, *Joseph W. Turek

University of Iowa Children's Hospital, Iowa City, IA

8:30 am - 9:00 am

BREAK – VISIT EXHIBITS

9:00 am - 10:00 am

FOURTH SCIENTIFIC SESSION B

Simultaneous Adult Cardiac, Thoracic, and ECMO Breakout Sessions

CME Credits Available: 1.0

ADULT CARDIAC BREAKOUT

Moderators: *Richard L. Prager and *Dawn S. Hui

9:00 am - 9:15 am

41. Nadir Hematocrit on Bypass and Rates of Acute Kidney Injury in Coronary Artery Bypass: Does Sex Still Matter?

*Alexander A. Brescia¹, Xiaoting Wu¹, Gaetano Paone², Michael Heung¹, Theron Paugh¹, Kenny Shann³, David Fitzgerald⁴, Timothy Dickinson⁵, David Sturmer¹, Jeffrey Chores⁶, Andrew Pruitt⁷, Haley N. Allgeyer¹, Sim Uppal¹, Min Zhang¹, *Himanshu Patel¹, *Richard L. Prager¹, Donald S. Likosky¹

¹University of Michigan, Ann Arbor, MI; ²Henry Ford Hospital, Detroit, MI; ³Massachusetts General Hospital, Boston, MA; ⁴Medical University of South Carolina, Charleston, SC; ⁵Mayo Clinic, Rochester, MN; ⁶St. John Providence Health System, Detroit, MI; ⁷Michigan Heart and Vascular Institute, St. Joseph Mercy Hospital, Ann Arbor, MI

9:15 am - 9:30 am

42. Sternotomy Closure Using Rigid Plate Fixation Versus Wire Cerclage: Patient Reported and Economic Outcomes from a Multicenter, Randomized Trial

Keith B. Allen¹, *Vinod H. Thourani², Yoshifumi Naka³, Kendra Grubb⁴, John Grehan⁵, Nirav Patel⁶, T Sloane Guy⁷, Kevin Landolfo⁸, Marc Gerdisch⁹, Mark Bonnell¹⁰, David Cohen¹

¹St. Luke's Mid America Heart Institute, Kansas City, MO; ²Emory University, Atlanta, GA; ³Columbia Presbyterian Hospital, New York, NY; ⁴University of Louisville, Louisville, KY; ⁵Allina Heart and Vascular, St. Paul, MN; ⁶Lenox Hill Hospital, New York, NY; ⁷Weill Cornell, New York, NY; ⁸Mayo Clinic, Jacksonville, FL; ⁹St. Francis Heart Center, Indianapolis, IN; ¹⁰University of Toledo Medical Center, Toledo, OH

9:30 am - 9:45 am

43. Reverse Remodeling of the Left Atrium Following Transaortic Myectomy in Patients With Obstructive Hypertrophic Cardiomyopathy

Anita Nguyen, *Hartzell Schaff, Rick A. Nishimura, *Joseph Dearani, Jeffrey B. Geske, Brian D. Lahr, Steve R. Ommen
Mayo Clinic, Rochester, MN

9:45 am - 10:00 am

44. STS Predicted Risk of Mortality Score Predicts Thirty-day Readmission Following Coronary Artery Bypass Grafting

*Joshua M. Rosenblum, John Hunting, Jose Binongo, *Michael E. Halkos, *Bradley G. Leshnowar, *Edward P. Chen, *Jeffrey S. Miller, *Omar Lattouf, *Vinod H. Thourani, *Robert Guyton, *William B. Keeling

Emory University, Atlanta, GA

THORACIC BREAKOUT

Moderators: *Theolyn Price and *Traves Crabtree

9:00 am - 9:15 am

45. Can Liquid (Blood) Biopsies Replace Tissue Biopsies in Patient With Non-Small Cell Lung Cancer?

*Robert J. Cerfolio¹, Asam F. Ghanim², Bhavika N. Patel², Francisco Robert²

¹New York University, New York, NY; ²University of Alabama, Birmingham, AL

9:15 am - 9:30 am

46. Pre-operative CHA₂DS₂-VASc Score Predicts Post-Operative Atrial Fibrillation After Lobectomy

Charles T. Lee^{1,2}, David M. Strauss^{1,2}, Lauren E. Stone^{1,2}, Jill C. Stoltzfus^{1,2}, Matthew M. Puc^{1,2}, *William R. Burfeind^{1,2}

¹St. Luke's University Hospital, Bethlehem, PA;

²Temple University, Philadelphia, PA

9:30 am - 9:45 am

47V. Management of a LC2 Carinal Carcinoid Tumor Through a Minimally Invasive Parenchymal-Sparing Approach

Monisha Sudarshan, *Shanda H. Blackmon
Mayo Clinic, Rochester, MN

9:45 am - 10:00 am

48. Induction Chemoradiotherapy Versus Chemotherapy Alone for Superior Sulcus (Pancoast Tumors) Lung Cancers

Lary A. Robinson¹, Tawee Tanvetayanon¹, Deanna Grubbs¹, Scott J. Antonia¹, Ben C. Creelan¹, Jacques-Pierre Fontaine¹, Eric M. Toloza¹, Robert Keenan¹, Thomas J. Dilling¹, Craig W. Stevens², Frank Vronis³, Keith E. Sommers⁴

¹Moffitt Cancer Center, Tampa, FL; ²Beaumont Health, Royal Oak, MI; ³Boca Raton Regional Hospital, Boca Raton, FL; ⁴Baycare Medical Group, Tampa, FL

ECMO BREAKOUT

Moderators: *Joseph A. Dearani and *Mark S. Slaughter

9:00 am - 9:30 am

ECMO: When, Where, and by Whom?

*Joseph Zwischenberger
University of Kentucky, Lexington, KY

9:30 am - 9:37 am

49. Delayed Initiation of Anticoagulation in ECMO Patients at High Risk for Exsanguination

*HelenMari Merritt, Irsa Shoiab, Shane Smith, Aleem Siddique, Elizabeth Lyden, Timothy Ryan, *John Um, *Michael Moulton

University of Nebraska, Omaha, NE

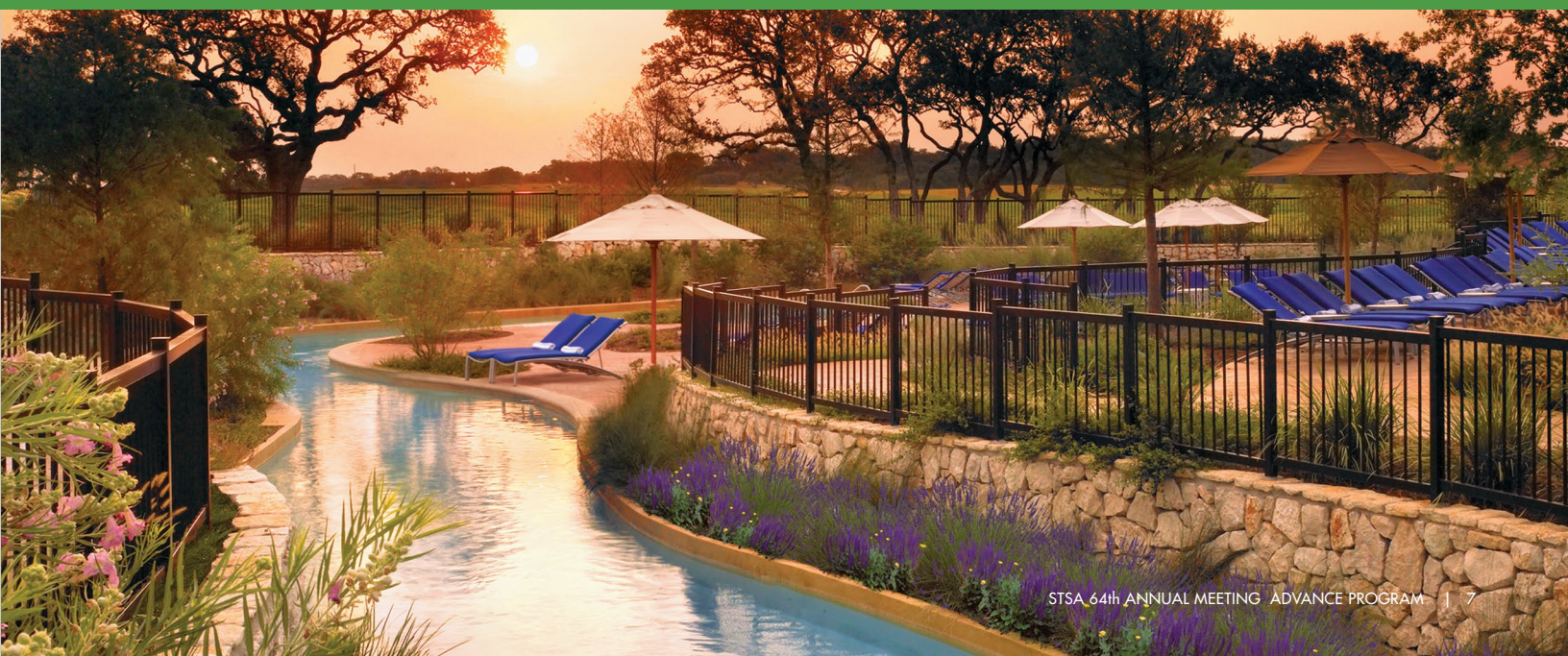
9:37 am - 9:44 am

50. An 18-Year Retrospective Review of Extracorporeal Membrane Oxygenation (ECMO) and/or Ventricular Assist Device (VAD) at a Children's Hospital

Shawn M. Shah¹, David Kays^{1,2}, Tom R. Karl^{1,2}, Mel Almodovar, MD¹, Gary Stapleton¹, Plato Alexander¹, *James A. Quintessenza¹, Alfred Asante-Korang¹, Vyas Kartha¹, Jade Hanson¹, Ernest Amankwah¹, Devendra Amre¹, Joeli Roth¹, *Jeffrey P. Jacobs^{1,2}

¹Johns Hopkins All Children's Hospital, St. Petersburg, Tampa and Orlando, FL; ²Johns Hopkins University, Baltimore, MD

*Indicates STSA Member V indicates STSA/CTSNet surgical video



FRIDAY, NOVEMBER 10, 2017 (CONTINUED)

9:44 am - 10:00 am

Panel Discussion

10:00 am - 10:30 am

BREAK – VISIT EXHIBITS

GENERAL SESSION

CME Credits Available: .25

Moderator: *Richard L. Lee

10:30 am - 10:50 am

Kent Trinkle Education Lectureship

*Marc Moon

Washington University, St. Louis, MO

10:50 am - 11:00 am

BREAK

11:00 am - 12:00 pm

FOURTH SCIENTIFIC SESSION C

Simultaneous Adult Cardiac, Thoracic, Congenital, and Transplant Breakout Sessions

CME Credits Available: 1.0

ADULT CARDIAC BREAKOUT

Moderators: *Tom Nguyen and *Todd Rosengart

11:00 am - 11:15 am

51V. Hybrid Surgical Mitral Valve Replacement With a Transcatheter Valve in the Setting of Mitral Annular Calcification

Raymond Lee¹, *Bret Borchelt¹, Isaac George²

¹Novant Health Forsyth Medical Center, Winston-Salem, NC; ²Columbia University Medical Center, New York, NY

11:15 am - 11:30 am

52. Concomitant Left Atrial Appendage Ligation: Is It Worth the Risk?

*Sarah A. Schubert¹, *Robert B. Hawkins¹, *James H. Mehaffey¹, Clifford Fonner², Jeffrey B. Rich², *Alan Speir³, Mohammed Quader⁴, *John A. Kern¹, Leora Yarboro¹, *Irving L. Kron¹, *Gorav Ailawadi¹

¹University of Virginia, Charlottesville, VA; ²Virginia Cardiac Services Quality Initiative, Virginia Beach, VA;

³Inova Heart and Vascular Institute, Falls Church, VA;

⁴Virginia Commonwealth University, Richmond, VA

11:30 am - 11:45 am

53. Mechanical Versus Bioprosthetic Aortic Valve Replacement in Patients Aged 50 and Younger: Is Bioprosthetic Valve an Acceptable Option?

Ahmed A. Kolkailah, Fernando R. Del Val, Jiyae Lee, Siobhan McGurk, Marc P. Pelletier, Steve K. Singh, Sary F. Aranki, Prem S. Shekar, *Tsuyoshi Kaneko
Brigham and Women's Hospital, Boston, MA

11:45 am - 12:00 pm

54. Concomitant Mitral Valve Procedures in Patients with Hypertrophic Cardiomyopathy Undergoing Septal Myectomy: Incidence and Outcomes in a National Cohort

Kimberly Holst, Kristine T. Hanson, Steve R. Ommen, Rick A. Nishimura, Elizabeth B. Habermann, *Hartzell Schaff

Mayo Clinic, Rochester, MN

THORACIC BREAKOUT

Moderators: *Matthew Steliga and *Mara Antonoff

11:00 am - 11:15 am

55V. PerOral Plication of the Esophagus (POPE): A Novel Approach to Megaesophagus

Janani Reisenauer, Louis M. Wong Kee Song, *Shanda H. Blackmon

Mayo Clinic, Rochester, MN

11:15 am - 11:30 am

56. Operative Outcomes and Evolving Techniques for Robotic Esophagectomy

Kyle H. Cichos¹, Inderpal S. Sarkaria², Asem F. Ghanim¹, *Benjamin Wei¹, Paul L. Linsky¹, Olugbenga T. Okusanya², *Robert J. Cerfolio³

¹University of Alabama, Birmingham, AL; ²University of Pittsburgh, Pittsburgh, PA; ³New York University, New York, NY

11:30 am - 11:45 am

57. Longitudinal Assessment of Quality of Life Measures and Outcomes in a Community Based Lung Volume Reduction Surgery Program

*Stephen Hazelrigg, Benjamin Seadler, Justin Sawyer, Kyle McCullough, Nisha Rizvi, Stephen Markwell, Michael Thomas, *Traves Crabtree
Southern Illinois University, Springfield, IL

*Indicates STSA Member

V indicates STSA/CTSNet surgical video



11:45 am - 12:00 pm

58. The Safety and Feasibility of Lung Resection Following Immunotherapy for Metastatic or Unresectable Solid Tumors

*Matthew Bott, Jonathan Cools-Lartigue, Kay See Tan, Joseph Dycoco, Manjit S. Bains, Robert J. Downey, James Huang, *James M. Isbell, *Daniela Molena, Bernard J. Park, Valerie W. Rusch, Smita Sihag, *David R. Jones, Prasad S. Adusumilli
Memorial Sloan Kettering Cancer Center, New York, NY

CONGENITAL BREAKOUT

Moderators: *James Tweddell and *Ross Ungerleider

11:00 am - 11:15 am

59V. Cor Triatriatum Sinister With an Intact Interatrial Septum and a Decompressing Vein in a Toddler
Ziyad M. Binsalamah, Luis E. De Leon, *Lauren C. Kane, *Jeffrey S. Heinle
Texas Children's Hospital/Baylor College of Medicine, Houston, TX

11:15 am - 11:30 am

60V. Minimally Invasive ASD Repair With Limited Resources

Carson Hoffmann, *Tom C. Nguyen
University of Texas Medical School at Houston, Houston, TX

11:30 am - 11:45 am

61V. Transposition of the Great Arteries With Intact Ventricular Septum and Type 1 Aortopulmonary Window

Ziyad M. Binsalamah, Luis E. De Leon, Gurpreet S. Dhillon, Caraciolo J. Fernandes, Asra Khan, Keila N. Lopez, *Jeffrey S. Heinle
Texas Children's Hospital/Baylor College of Medicine, Houston, TX

11:45 am - 12:00 pm

62V. Konno Aortoventriculoplasty and Mitral Valve Replacement in a Child With AV Septal Defect
Janani Reisenauer, *Joseph Dearani
Mayo Clinic, Rochester, MN

TRANSPLANT BREAKOUT

Moderator: *Jay Pal

11:00 am - 11:15 am

63. Interaction of Donor and Recipient Age: Do Older Heart Transplant Recipients Require Healthier Hearts?

Malini Daniel, Carol W. Chen, Jennifer J. Chung, Lee Goldberg, Michael A. Acker, Pavan Atluri
University of Pennsylvania, Philadelphia, PA

11:15 am - 11:30 am

64. Risk Factors for Survival After Orthotopic Heart Transplantation for Pediatric and Congenital Cardiac Disease: A 21 Year Retrospective Study of 172 Transplants

Shawn M. Shah¹, Alfred Asante-Korang¹, Gary Stapleton¹, Mel Almodovar, MD¹, Tom R. Karl^{1,2}, *James A. Quintessenza¹, *Constantine Mavroudis^{1,2}, *Luca A. Vricella², *Hugh Van Gelder¹, Vyas Kartha¹, Plato Alexander¹, Jennifer Carapellucci¹, Diane Krasnopero¹, Jade Hanson¹,

Ernest Amankwah¹, Devendra Amre¹, Joeli Roth¹, Marshall L. Jacobs^{1,2}, *Jeffrey P. Jacobs^{1,2}
¹Johns Hopkins All Children's Hospital, St. Petersburg, Tampa and Orlando, FL; ²Johns Hopkins University, Baltimore, MD

11:30 am - 11:45 am

65. Single Versus Double Lung Transplantation in Pulmonary Fibrosis: Impact of Age, Allocation Score, and Pulmonary Hypertension in Decision-Making
Mauricio Villavicencio^{1,2}, Michael Kwon^{1,2}, Asishana Osho^{1,2}, Nathalie Roy^{1,2}, Todd Astor^{1,2}, Serguei Melnitchouk^{1,2}, David D'Alessandro^{1,2}, George Tolis^{1,2}, Yuval Raz^{1,2}, Isabel Neuringer^{1,2}, *Thoralf Sundt^{1,2}

¹Massachusetts General Hospital, Boston, MA;

²Harvard Medical School, Boston, MA

11:45 am - 12:00 pm

66. Primary Graft Dysfunction After Heart Transplantation: Outcomes and Resource Utilization
Mohammed Quader¹, *Robert B. Hawkins², *J H. Mehaffey², Sula Mazimba², *Gorav Ailawadi², Leora Yarboro², Clifford Fonner³, *Alan Speir³, Jeffrey B. Rich³, *Vigneshwar Kasirajan¹

¹Virginia Commonwealth University, Richmond, VA;

²University of Virginia Health System, Charlottesville, VA; ³VCSQI, Charlottesville, VA

12:00 pm - 1:00 pm

INTERDISCIPLINARY CARE PROVIDER LUNCHEON

Allied health are encouraged to attend this luncheon to meet and network with other interdisciplinary care providers.

12:00 pm - 1:00 pm

EARLY PRACTITIONERS LUNCHEON

Cardiothoracic surgeons in practice less than 10 years are invited to attend this luncheon to network with other early practitioners.

1:30 pm - 3:00 pm

GENERAL SESSION

CME Credits Available: 1.5

1:30 pm - 2:30 pm

UPDATE ON PRACTICE MANAGEMENT EXPERT PANEL

Incorporating New Technology and New Operations into Clinical Practice: How I Do It

Moderator: *Richard L. Prager

Panelists:

*Robert J. Cerfolio¹, *Joseph Dearani², *Michael Mack³, M. Blair Marshall⁴, *Todd Rosengart⁵

¹New York University, New York, NY; ²Mayo Clinic, Rochester, MN; ³The Heart Hospital, Plano, TX;

⁴Georgetown University Hospital, Washington, DC;

⁵Baylor College of Medicine, Houston, TX

2:30 pm - 3:00 pm

HAROLD URSCHEL HISTORY LECTURESHIP

Moderator: *John W. Hammon

67. Mark M. Ravitch: Southern Comfort and Curmudgeonry

*Stephen C. Yang

The Johns Hopkins Medical Institutions, Baltimore, MD

3:00 pm - 3:30 pm

BREAK - VISIT EXHIBITS

3:30 pm - 4:30 pm

FIFTH SCIENTIFIC SESSION

CME Credits Available: 1.0

3:30 pm - 3:45 pm

68. Long-term Outcomes Following Bioprosthetic Pulmonary Valve Replacement in Children With Repaired Tetralogy of Fallot

Ishan Shah, *Sameh Said, Patrick W. O'Leary, Grace M. Arteaga, *Joseph Dearani
Mayo Clinic, Rochester, MN

3:45 pm - 4:00 pm

69. Assessment of Neutrophil to Lymphocyte Ratio as a Predictor of Response to Chemoradiotherapy in Patients With Esophageal Squamous Cell Carcinoma

Arianna Barbetta, Smita Sihag, Manjit S. Bains, *James M. Isbell, Yelena Y. Janjigian, Abraham Wu, *Matthew Bott, *David R. Jones, *Daniela Molena
Memorial Sloan Kettering Cancer Center, New York, NY

4:00 pm - 4:15 pm

70. Bronchoscopy Simulation Training as a Tool in Medical School Education

Mallika Gopal, Alex A. Skobodzinski, Helene M. Sterbling, *Virginia R. Little, Sowmya R. Rao, Christopher R. LaChapelle, Kei Suzuki
Boston University, Boston, MA

4:15 pm - 4:30 pm

71. Long-Term Impact of Endoscopic Thoracic Sympathectomy on Quality of Life for Patients With Primary Palmar Hyperhidrosis

Leah C. Horslen, Candice L. Wilshire, Brian E. Louie, Ralph W. Aye, Alexander S. Farivar, Eric Vallières
Swedish Medical Center, Spokane, WA

4:30 pm - 5:15 pm

STSA ANNUAL BUSINESS MEETING

Members Only

7:00 pm - 10:00 pm

ANNUAL AWARDS DINNER

7:00 pm - 8:00 pm

Reception

8:00 pm - 10:00 pm

Awards Dinner

SATURDAY, NOVEMBER 11, 2017

8:00 am - 11:40 am

STSA POSTGRADUATE PROGRAM

CME Credits Available: 3.25

GENERAL SESSION

SPECIAL TOPICS IN CARDIOTHORACIC SURGERY

Moderators: *Robert J. Dabal and *Melanie A. Edwards

8:00 am - 8:30 am

Quality and Safety in the Operating Room

*Thoralf Sundt

Massachusetts General Hospital, Boston, MA

8:30 am - 9:15 am

A Conversation with a Legend

*Joseph Coselli

Texas Heart Institute/Baylor College of Medicine, Houston, TX

9:15 am - 9:30 am

BREAK

9:30 am - 10:25 am

MAXIMIZING LEADERSHIP POTENTIAL IN YOUR PRACTICE

Moderators: *Robert J. Dabal and *Melanie A. Edwards

9:30 am - 9:42 am

Transition to Leadership: The Academic Perspective

*Walter H. Merrill

Vanderbilt University, Nashville, TN

9:42 am - 9:56 am

Transition to Leadership: The Private Practice Perspective

*Richard K. Freeman

St. Vincent's Health and Hospital System/Indiana Heart Institute, Indianapolis, IN

9:56 am - 10:08 am

Defining a Quality Cardiothoracic Surgical Procedure: Who Decides?

*Benjamin D. Kozower

Washington University, St. Louis, MO

10:08 am - 10:25 am

Panel Discussion

*Walter H. Merrill, *Richard K. Freeman,

*Benjamin D. Kozower

10:25 am - 10:40 am

BREAK

ADULT CARDIAC BREAKOUT

Advances in Adult Cardiac Surgery: New Techniques and Technologies

Moderators: *Ravi Ghanta and *Faisal G. Bakaeen

10:40 am - 11:00 am

Arterial Grafting Update

*James E. Davies

University of Alabama, Birmingham, AL

11:00 am - 11:20 am

Non-Aortic Valve Transcatheter Therapies: Beyond TAVR

*Gorav Ailawadi

University of Virginia, Charlottesville, VA

11:20 am - 11:40 am

Atrial Fibrillation Surgery: Who and Why

*Ralph J. Damiano, Jr.

Washington University, St. Louis, MO

THORACIC BREAKOUT

Advances in General Thoracic Surgery: New Techniques and Technologies

Moderators: *Matthew J. Bott and

*Elizabeth A. David

10:40 am - 11:00 am

General Thoracic Surgery in 2025

Yasufuku Kazuhiro

University of Toronto, Toronto, ON

11:00 am - 11:20 am

Managing the Difficult to Palpate Lung Nodule

*James M. Isbell

Memorial Sloan Kettering Cancer Center, New York, NY

11:20 am - 11:40 am

EMR and Beyond for Surgeons: How and Why

Thomas J. Watson

Georgetown University, Washington, DC

CONGENITAL BREAKOUT

Advances in Congenital Heart Surgery: New Techniques and Technologies

Moderators: *S. Adil Husain and *Kirk R. Kanter

10:40 am - 11:00 am

Interfacing with the Cath Lab in Adult Congenital Surgery

*Brian E. Kogon

University of Mississippi, Jackson, MS

11:00 am - 11:20 am

New VAD Technology in Congenital Surgery

*Kristine J. Guleserian

Nicklaus Children's Hospital, Miami, FL

11:20 am - 11:40 am

Ozaki Technique for Aortic Valve Repair

*Christopher W. Baird

Boston Children's Hospital, Boston, MA

INTERDISCIPLINARY CARE PROVIDER BREAKOUT

Management of the Difficult Cardiothoracic Surgery Patient in the Early Postoperative Period

Moderator: Jason Lucas

10:40 am - 10:55 am

How to Deal with the Difficult Congenital Patient

Stacy Reynolds

Children's Mercy Hospital, Kansas City, MO

10:55 am - 11:10 am

How to Deal with the Difficult Cardiac Patient

*G. Chad Hughes

Duke University, Durham, NC

11:10 am - 11:15 am

How to Deal with the Difficult General Thoracic Patient

*Benjamin Wei

University of Alabama, Birmingham, AL

11:15 am - 11:40 am

Panel Discussion

Stacy Reynolds, *G. Chad Hughes, *Benjamin Wei

11:40 am

MEETING ADJOURNED



GENERAL INFORMATION

MEETING LOCATION

JW Marriott San Antonio Hill Country Resort & Spa
23808 Resort Parkway
San Antonio, TX 78261
210-276-2500

HOTEL INFORMATION & RESERVATIONS

Effortless sophistication and authentic Texas friendliness await you at the award-winning **JW Marriott San Antonio Hill Country Resort & Spa**, the site of the Southern Thoracic Surgical Association's 64th Annual Meeting. Located in the heart of Texas Hill Country, with a 36-hole championship golf course, an adult-only infinity pool, award winning Lantana Spa, 9-acre water park with a lazy river, and seven restaurants, there truly is something for the entire family.

A block of discounted hotel rooms is being held until Monday, October 9, 2017, provided rooms are still available in our room block. After this date, room reservations will be accepted based on availability only.

There are two ways to make reservations:

- **Online:** Visit www.stsa.org/64thannual and click on the direct link to the JW Marriott San Antonio reservation system, where you can book your hotel reservation any time.
- **Telephone:** Call the hotel reservations department at 877-622-3140. To qualify for the special meeting rate, be sure to mention that you are attending the Southern Thoracic Surgical Association's annual meeting.

Room Rate and Cancellation Information:

The rate for a single or double room is \$245.00 per night plus 16.75% tax. Please note that the daily resort fee of \$40.00 is waived for STSA guests. Select resort fee inclusions will be extended to STSA guests at no charge. If you wish to add the resort fee and all inclusions to your rate, you may do so at the Front Desk upon arrival.

Hotel Deposit: One night's deposit plus tax will be required for each reservation. The deposit is refundable on reservations cancelled (48) hours prior to the date of arrival.

A limited number of suites are available on a first-come, first-served basis. Suites can be booked online or directly with hotel reservations at 877-622-3140. Check-in time is 4:00 pm; check-out time is 11:00 am.

CONFERENCE REGISTRATION

Register online at www.stsa.org/64thannual or complete and return the enclosed registration form. Early registration is available until October 9, 2017. After this date, you must register on-site at the Annual Meeting. Please note that there will be an additional \$50.00 charge for attendees registering on-site.

Registration and Cancellation Policy: Cancellation requests must be submitted in writing prior to October 9, 2017; unfortunately, STSA is unable to honor any subsequent requests. Refunds are subject to a \$50.00 administrative fee.

GETTING AROUND SAN ANTONIO HILL COUNTRY

The San Antonio International Airport is located 20 miles from the hotel, and is serviced by most major airlines. A car would be needed if you wish to visit the nearby San Antonio area.

Airport Transportation

The resort does not provide shuttle service from the San Antonio International Airport (airport code SAT). There are several forms of ground transportation services available at the airport.

Taxi Service

Taxis are available at the lower level curbside, outside of baggage claim. For assistance, please contact the Airport Ground Transportation Agent wearing an airport badge. Fares to the JW Marriott are approximately \$45.00 one way.

Shared or Private Car Service

The Airport Express Shuttle is located in the baggage claim area, lower level. To make transportation arrangements, proceed to the Airport Express Desk. Shuttles run every 15 to 25 minutes. The cost to the JW Marriott is approximately \$37 one way.

Car Rental

A special car rental rate has been negotiated for STSA meeting attendees through Hertz. For reservations in the U.S. and Canada call 800-654-2240; from all other locations call 405-749-4434. Reservations can also be made online at www.hertz.com. Reference CV# 04R50004 when making reservations.

Parking

The JW Marriott San Antonio Hill Country offers complimentary self parking. Valet parking is \$33 per day. Short term valet parking (up to 9 hours) is \$15.

FOR ADDITIONAL INFORMATION

Contact STSA at 312-202-5892 or email stsa@stsa.org.

ACTIVITIES AND ENTERTAINMENT

HOSPITALITY SUITE

Thursday, November 9 – Saturday, November 11

Time: 8:00 am – 12:00 pm

STSA is providing a hospitality room for your spouse or guest to mingle with other spouses and guests and to make plans for exploring San Antonio Hill Country.

RESIDENTS RECEPTION

Thursday, November 9

Time: 6:00 pm - 7:00 pm

Cost: Complimentary for Residents

Residents and medical students are encouraged to attend this function to meet other residents and students, and network with leaders in the field.

PRESIDENT'S MIXER

Thursday, November 9

Time: 7:00 pm - 9:00 pm

Cost: Complimentary

Gather with fellow meeting attendees for an evening of networking and fun. *Attendees receive two tickets with registration. Additional tickets may be purchased for \$25.00.*

ANNUAL AWARDS DINNER

Friday, November 10

Reception: 7:00 pm - 8:00 pm

Dinner: 8:00 pm - 10:00 pm

Cost: \$100.00 per adult / \$40.00 per child (ages 12 and younger)

Advanced registration recommended. A limited number of tickets will be sold on site.

Join fellow meeting attendees and their families for the always-memorable Awards Dinner, complete with a cocktail reception, dinner, awards and entertainment. We have shortened the award presentations to maximize the time to socialize and enjoy your friends at the STSA. Exciting entertainment with a local flare has been added to this year's program. Don't miss it! Although black tie is always in fashion, you are welcome to wear cocktail attire. Be comfortable and have fun!

GOLF AT TPC SAN ANTONIO – A PGA TOUR EXPERIENCE

Individual and STSA Golf Outing Golfers

Rental clubs are available for \$45.00, and soft spike golf shoes may be rented for \$15.00. Rental items are not included in the costs noted above.

Please note the following dress code: Men must wear collared shirts with long pants or Bermuda length shorts. Ladies must have a collar or sleeves on their top. Dresses, shorts or skirts of appropriate length are allowed. Only soft-spiked shoes are allowed on the course.

STSA GOLF OUTING

Saturday, November 11

Time: Tee times begin at 1:00 pm

Cost: \$175.00 (Includes greens fees, golf cart and practice balls. Lunch is on own.)

Limited number of tee times available – be sure to register in advance!

A Peter Dye-crafted par-72 course sits on a great piece of land which provides panoramic views of an adjacent 700-acre nature preserve. The design, which measures more than 7,000 yards, is true to nature and the flow of the land. The dramatic elevation changes and hill country views make this course not only challenging, but breathtaking as well.

INDIVIDUAL GOLF PLAY

Cost: \$175.00 (Includes greens fees, cart fees and practice balls.)

TPC San Antonio offers two championship golf courses that have hosted several PGA TOUR and PGA TOUR Champions events, and is home to several PGA TOUR pros. If you're unable to participate in the STSA Golf Outing but wish to take advantage of championship courses during your stay, contact the TPC clubhouse at 210-491-5800 to reserve a tee time according to your schedule. Be sure to mention you're an STSA attendee to receive the group discount of \$175.00. (Individual tee times must be booked within 60 days of your intended day of play to qualify for the group discount.)

ONSITE FITNESS & RECREATION

LANTANA SPA & FITNESS CENTER

STSA guests are eligible for a 15% discount on spa treatments at the JW Marriott's own Lantana Spa. The onsite spa boasts 30 treatment rooms, three relaxation lounges, outdoor adults-only spa pool and whirlpool, aromatherapy steam rooms, saunas,

luxurious locker rooms, and a state-of-the-art fitness center (available to all resort guests), featuring a variety of fitness classes. To schedule discounted spa treatments, call the spa directly at 210-276-2300 and mention STSA. Visit www.jwlantanaspa.com to browse treatment options.

Resort guests not scheduled to receive spa treatments may request a day pass. Lantana Spa offers a limited number of day passes for \$15, on a first-come, first-serve basis. It is recommended that guests call when the spa opens at 7:00 am to secure a day pass. A day pass is not required to use the fitness center.

RIVER BLUFF WATER EXPERIENCE

Surrounded by 600 acres of picturesque rolling oak-covered hills, the JW Marriott's 9-acre water park, River Bluff Water Experience offers fun for all ages. Make memories with your family as you splash down rapid river rides, exciting slides and a 1,100-foot lazy river. The River Bluff Water Experience is complimentary for all hotel guests.

CHILDREN'S ACTIVITIES

The Range Riders Kids Club invites children ages 4 to 12 to experience a fun-filled day of supervised entertainment, such as stimulating arts and crafts, water activities, and exciting games. Range Riders is open from 11:00 am to 4:00 pm and costs \$15 per child, per hour. The Range Riders Kids Club is conveniently located at the River Bend Pavilion, within River Bluff Water Experience. Advance registration is not required.

In addition, a full schedule of family-friendly activities offered by the resort will be provided upon your arrival. Activities include animal encounters, cookie decorating, jumbo backyard games, dreamcatcher making, rubber duck racing, painting, magic shows, and more. Costs range from complimentary to \$65 per person. Advance registration is not required.

CHILDCARE SERVICES

The JW Marriott recommends the following childcare providers:

Northside Sitters Club

210-710-7940

www.northsidesittersclub.com

Time Out Sitters

210-325-2812

www.timeoutsitters.com