ADVANCE PROGRAM

SOUTHERN THORACIC SURGICAL ASSOCIATION

STSA 2017

64th ANNUAL MEETING & EXHIBITION

MEETING DATES: NOVEMBER 8–11, 2017

JW MARRIOTT SAN ANTONIO | SAN ANTONIO, TEXAS
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 been planned for early practitioners and interdisciplinary care providers. 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.
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 (e.g., through ownership of stock, stock options, or bonds) (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.

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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)™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

SCHEDULE** THURSDAY, NOVEMBER 9, 2017

10:00 am - 12:00 pm
1:30 pm - 3:30 pm
EXHIBITS OPEN

ETHICS DEBATE

7:00 am - 7:50 am
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 Immunosupression for Esophageal Cancer
Conor F. Hynes¹, Dong H. Kwon¹, Chaitanya Vadlamudi¹, Alexander Loftus¹, Aya Iwamoto¹, Jeffrey J. Chahine¹, Sameer Desale¹, *Marc Margolis¹, Bhaskar V. Kallakury¹, Thomas J. Watson¹, Nadim G. Hadad¹, *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
University of Colorado, Aurora, CO

**Schedule subject to change.

*Indicates STSA Member  V indicates STSA/CTSNet surgical video
THURSDAY, NOVEMBER 9, 2017

7:26 am - 7:34 am
4B. Correlating Oxygen Delivery on Cardiopulmonary Bypass With the Neurological Injury Biomarker UCHL1
J. Trent Magruder1, Charles Fraser1, Joshua C. Grimm1, Todd C. Crawford1, Alejandro Suarez-Pierre1, Ronald Hayes2, Claude Beatty2, 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 and 1-Year Readmission or Mortality After Cardiac Surgery

7:42 am - 7:50 am
6B. Thoracic and Cardiovascular Surgeons Achieve High Rates of K Award Conversion into R01 Funding
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

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
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
*Mino 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 Aortic Dissection
*Mehrdad Ghoresi, Eric Wise, Lugman Croal-Abrahams, Charles Drucker, Richa Kolsi, 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
Emory University, Atlanta, GA

9:30 am - 9:45 am
7. Implementing a Thoracic Enhanced Recovery Program: Lessons Learned in the First Year
University of Virginia, Charlottesville, VA

9:45 am - 10:00 am
8. Predictors of Failure of Medical Management in Uncomplicated Type B Aortic Dissection
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 Beekman1, Eric C. Michelfelder1, *James S. Thweirdell1, 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 Movräoudis
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 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
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
*Dawn S. Hui, Katie Tichich, *Richard L. Lee
St. Louis University, St. Louis, MO
2:45 pm - 3:00 pm
Adriana G. Ramirez1, Fidele Byiringiro2, Nebil Nuradin1, Robinson Ssebuufu1, 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 - 4:00 pm
THIRD SCIENTIFIC SESSION

CME Credits Available: 2.0
Moderators: *Richard K. Freeman and *John H. Calhoon

3:30 pm - 3:45 pm
15. Genetic Syndromes and Extracardiac Anomalies are Associated With Inferior Single Ventricle Palliation Outcomes
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?
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
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
1University of Virginia, Charlottesville, VA; 2East Carolina University, Greensville, 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
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, Forzan 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
## 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 Corvino, David Blitzner, Hannah Capeland, Daniel Murphy, Philip Hess, John Fehrenbacher

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 Yerokun, Ehsan Benrashid, Richard McCann, *G.C. Hughes

25. Leaflet Reconstructive Techniques for Aortic Valve Repair With Dacron Replaced Proximal Landing Zone


1University of Pennsylvania, Philadelphia, PA; 2Klinikum Nürnberg, Nuremberg, Germany

### 7:30 am - 7:45 am

25V. Leaflet Reconstructive Techniques for Aortic Valve Repair With Dacron Replaced Proximal Landing Zone

Domenico Mazzitelli, Theodor Fischlein, *J.S. Rankin, Yeong-Hoon Choi, Christof Stamm, Steffen Pfeiffer, Lawrence Wei, Vinay Badhwar

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 Sparring Aortic Root Replacement Provides Excellent Mid to Long Term Outcomes for Bicuspid Valve Aortopathy Irrespective of the Degree of Preoperative Aortic Insufficiency


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 Anuloplasty Versus External Subannular Aortic Ring

Hanna Ko, Joseph E. Bavaria, Caroline Komlo, Yannia Augoustides, Melanie Freas, Mary Sikh, Karianna Milewski, Wilson Y. Szeto, Nimesh Desai, Prashanth Vallabhaajoyula

University of Pennsylvania, Philadelphia, PA

### 8:15 am - 8:30 am

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


1Baylor College of Medicine, Houston, TX

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**CONGENITAL BREAKOUT**

**Moderators:** *Carl Backer and *J. Brian Clark

### 7:00 am - 7:15 am


Tara Karamlou, Jorge Arango, Lucia Mirea, Monique Riemann, David Adelson, Richard Towbin, John Nigril

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

Allysa A. Mazurek, Sunkyung Yu, Ray E. Lowery, Richard Oluye

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, Engel Scott, Winfield J. Wells, Vaughn A. Storres

1University of Southern California, Los Angeles, CA; 2Children’s Hospital, Los Angeles, Los Angeles, CA

### 8:00 am - 8:15 am

39. Porcine Small Intestinal Submucosal Patch is a Suitable Material for Norwood Arch Reconstruction


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 Starn, 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**

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**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, Goetan Paone2, Michael Heung1, Theron Paugh1, Kenny Shann1, David Fitzgerald1, Timothy Dickinson1, David Sturmer1, Jeffrey Chores4, Andrew Pruitt7, Haley N. Allgeyer1, Sim Uppal1, Min Zhang1, *Himanshu Patel1, *Richard L. Prager1, Donald S. Liskosky1
   1University of Michigan, Ann Arbor, MI; 2Henry Ford Hospital, Detroit, MI; 3Massachusetts General Hospital, Boston, MA; 4Medical University of South Carolina, Charleston, SC; 5Allina Heart and Vascular Institute, St. Joseph Mercy Hospital, Royal Oak, MI; 6Lenox Hill Hospital, New York, NY; 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. Thorani2, Yoshifumi Naka3, Kendra Grubb4, John Grehan2, Nirav Patel2, T Sloane Guy1, Kevin Landolfo1, Marc Gerdisch9
   1New York University, New York, NY; 2University of Nebraska, Omaha, NE; 3University of Kentucky, Lexington, KY; 4Baycare Medical Group, Tampa, FL

9:30 am - 9:45 am
43. Reverse Remodeling of the Left Atrium Following Transaortic Myectomy in Patients With Obstructive Hypertrophic Cardiomyopathy
   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
   Emory University, Atlanta, GA

THORACIC BREAKOUT

Moderators: *Theelyn 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. Patel1, Francisco Robert1
   1New York University, New York, NY; 2University of Alabama, Birmingham, AL

9:15 am - 9:30 am
46. Pre-operative CHA 2 DS 2-VASc Score Predicts Post-Operative Atrial Fibrillation After Lobectomy
   Charles T. Lee1,2, David M. Strauss1,2, Lauren E. Stone1,2, Jill C. Stoltzfus1,2, Matthew M. Puc1,2
   *William R. Burfeind1,2
   1St. Luke’s Mid America Heart Institute, Kansas City, MO; 2Emory University, Atlanta, GA

9:30 am - 9:37 am
47. V. Management of a LC2 Carinal Carcinoid Tumor Through a Minimally Invasive Parenchymal-Sparing Approach
   Manisha Sudarshan, *Shanda H. Blackmon
   Mayo Clinic, Rochester, MN

48. Induction Chemoradiotherapy Versus Chemotherapy Alone for Superior Sulcus Pancoast Tumors Lung Cancers
   Larry A. Robinson1,2, Taiwee Tanvetyavan1, Deanna Grubbs1,2, Scott J. Antonia3, Ben C. Creelan1, Jacques-Pierre Fontaine1, Eric M. Toloza1, Robert Keenan1, Thomas J. Dilling1, Craig W. Stevens1, Frank Vrionis2, Keith E. Sommers3
   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, Aleeem 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. Shah1,2,2, David Kays1,2,2, Tom R. Karp1,2,2, Mel Almodavar, MD1, Gary Stapleton1, Plato Alexander1, *James A. Quintessenza1, Alfred Asante-Korang1, Yyas Kartha1, Jade Hanson1, Ernest Amankwah1, Devandra Amar1, Joel Roth1, *Jeffrey P. Jacobs1,2
   1Johns Hopkins All Children’s Hospital, St. Petersburg, Tampa and Orlando, FL; 2Johns Hopkins University, Baltimore, MD
Friday, November 10, 2017 (continued)

9:44 am - 10:00 am
Panel Discussion

10:00 am - 10:30 am
BREAK – VISIT EXHIBITS

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
51. 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?
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?
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 Megasopagus
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. Cerfolio1
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
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. Karl1,2, *James A. Quintessenza1, *Constantine Mavroudis1,2, *Luca A. Vricella1, *Hugh Van Gelder1, *Vyas Kartha1, Plato Alexander1, Jennifer Carapelli1, Diane Krasnope1, *Jade Hanson1,

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 Villavicencio1,2, Michael Kwon1,2, Asishana Osho1,2, Nathalie Roy1,2, Todd Astor1,2, Serguei Melnitchouk1,2, David D’Alessandro1,2, George T钮1,2, Yuval Raz1,2, Isobel Neuringer1,2, *Thoralf Sundt1,2
1Massachusetts General Hospital, Boston, MA; 2Harvard Medical School, Boston, MA

11:00 am - 11:15 am
59V. Car Triatriatum Sinister With an Intact Interventricular Septum and a Decompressing Vein in a Toddler
Ziyad M. Binsalamah, Luis E. De Leon, *Lauren C. Kane, *Jeffrey S. Heine
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 Septum and a Decompressing Vein in a Toddler
Ziyad M. Binsalamah, Luis E. De Leon, Gurpreet S. Dhillon, Caraciolo J. Fernandes, Asra Khan, Keila N. Lopez, *Jeffrey S. Heine
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

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:
1New York University, New York, NY; 2Mayo Clinic, Rochester, MN

3:30 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
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
Malika Gopal, Alexus A. Skobadzinski, Helene M. Sterbling, *Virginia R. Litle, 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

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
Mayo Clinic, Rochester, MN

7:00 pm - 10:00 pm
ANNUAL AWARDS DINNER

3:30 pm – 3:45 pm
67. Mark M. Ravitch: Southern Comfort and Curmudgeonly
*Stephen C. Yang
The Johns Hopkins Medical Institutions, Baltimore, MD

7:00 pm – 8:00 pm
ANNUAL AWARDS DINNER

8:00 pm - 10:00 pm
Awards Dinner
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 Cardiopulmonary Surgical Procedure: Who Decides?
*Benjamin D. Kozower
Washington University, St. Louis, MO

10:08 am - 10:25 am
Panel Discussion

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. Bakaee

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. Domiano, 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

11:00 am - 11:10 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, short shorts or 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.)

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.

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.

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.

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.jwlanonaspa.com to browse treatment options.

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

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