STSA 66th Annual Meeting

MEETING DATES: NOVEMBER 6-9, 2019
EXHIBITION DATES: NOVEMBER 7-8, 2019

JW MARRIOTT MARCO ISLAND BEACH RESORT
MARCO ISLAND, FL
DEAR COLLEAGUE,

As members of the 2019 STSA Program Committee, it is our pleasure to extend this invitation to you to attend the STSA 66th Annual Meeting, November 6-9, 2019 at the JW Marriott Marco Island Beach Resort in Marco Island, FL.

Please take a few minutes to review the educational listings in this Advance Program. We are maintaining the same, highly acclaimed schedule as 2018. On Wednesday evening, check in to the hotel, come as you are and attend the first half of the STSA Postgraduate Program featuring complex case presentations and interactive discussions from STSA experts’ reflection on “I Wish I Could Have Done That Case Over.” The program will begin with a welcome reception featuring an informal dinner and refreshments. The STSA Program Committee carefully considered topic suggestions received from last year’s attendees when creating the 2019 program. Changes to this year’s schedule reflect suggestions direct from our membership and hopefully will better address the educational needs of our STSA members.

Thursday morning, Nov. 7, will kick off with the Robert M. Sade Ethics Lectureship and the Basic Science Forum, followed by General Sessions featuring outstanding paper and video presentations and lectures by the STSA President’s invited guests, Drs. James Quintessenza and Martin Elliott.
You will not want to miss these presentations! Concurrent subspecialty breakouts on Friday, Nov. 8 will feature cardiac, thoracic, congenital, ECMO and transplant topics. All sessions have been scheduled to allow for thorough and thoughtful discussion.

We are also pleased to announce that due to the overwhelming submission of abstracts received, the STSA Program Committee determined it would be beneficial to include additional highly favored submissions as supplemental education in the meeting foyer as scientific posters. Be sure to review the program for additional details and stop by the poster kiosks during the course of the meeting.

The meeting will conclude with the second half of the Postgraduate Program to be held Saturday morning, Nov. 9. The session titled, “Charity, Quality and Innovation,” will begin with a special lecture from, Dr. Joseph Dearani, discussing the topic of Charitable Cardiothoracic Surgery. Our Postgraduate Program will feature another living legend in cardiothoracic surgery. We are thrilled that this year’s spotlight will be on Dr. Duke Cameron from Massachusetts General Hospital and he will be interviewed by Drs. Marshall Jacobs and Luca Vricella. The program will close with a special presentation from Dr. David Shahian who will reflect on the first four decades of the quality era.

In addition to the educational sessions, don’t miss this year’s social events. The All Attendee Luncheon will be held on Thursday, Nov. 7, and medical students and residents are encouraged to attend the Residents Reception later that evening. Immediately following is the President’s Mixer, where all attendees are welcome to attend and socialize with their colleagues. On Friday, Nov. 8, we invite you to join us at the Annual Dinner Gala which will feature similar music entertainment as last year. In addition, you will have the opportunity to hear this year’s award presentations, and ample time to catch up with fellow members and their families. Black tie is always welcome at this event; however, it is not required. Attendees may also wear cocktail attire.

The STSA Annual Meeting is the perfect setting for STSA members, family and friends. Please bring your family to enjoy the amenities and activities offered at the exquisite JW Marriott Marco Island Beach Resort. The resort is located directly on the beach, and offers two swimming pools, a splash park, full service spa, two fitness centers, two private championship golf courses, a state-of-the-art gaming emporium, numerous watersports and excursions that depart directly from the resort.

Make plans now to join your STSA colleagues this November. You can register at www.stsa.org. We look forward to seeing you at the JW Marriott Marco Island Beach Resort.

Sincerely,

Jeffrey P. Jacobs, MD, STSA President
Joseph A. Dearani, MD, Program Committee Co-Chair
Daniela Molena, MD, Program Committee Co-Chair
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 66th Annual Meeting program.

**PROGRAM COMMITTEE**
Joseph A. Dearani, MD (Co-Chair)
Daniela Molena, MD (Co-Chair)
Kevin D. Accola, MD
Vinay Badhwar, MD
Shanda H. Blackmon, MD
Harold M. Burkhart, MD
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Ourania Preventza, MD
Alan M. Speir, MD
James St. Louis, MD
Vinod H. Thourani, MD
Stephen C. Yang, MD

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Damien J. LaPar, MD
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Alan M. Speir, MD
Vinod H. Thourani, MD

**ABSTRACT REVIEWERS**
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Mara B. Antonoff, MD
George Arnaoutakis, MD
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Alden M. Parsons, MD
Anastasios C. Polimenakos, MD
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T. Brett Reece, MD
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As a sponsor of continuing medical education accredited by the Accreditation Council for Continuing Medical Education (ACCME), The Society of Thoracic Surgeons requires that any individual who is in a position to control the content of an educational activity must disclose all 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 STS educational programming.

Required disclosures include (1) a 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 nonremunerative 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 STS 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 STS Executive Committee: April 11, 2012

STSA 66TH ANNUAL MEETING

This activity will be planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint provideship of The Society of Thoracic Surgeons and The Southern Thoracic Surgical Association. The Society of Thoracic Surgeons is accredited by the ACCME to provide continuing medical education for physicians. The STS designates this educational activity for a maximum of 17.50 AMA PRA Category 1 Credit(s)™. Physicians should only claim credit commensurate with the extent of their participation in the activity.
WEDNESDAY, NOVEMBER 6, 2019

STSA POSTGRADUATE PROGRAM
CME Credits Available: 2.00

6:00 pm – 7:00 pm
Welcome Reception
Join us Wednesday evening for the meeting’s official kick-off with an informal session and a light dinner. Many of you will have just arrived to the resort; so drop your bags, come as you are and participate in a casual session titled “I Wish I Could Have Done That Case Over: Complex Case Presentations Involving Patients That Required Multiple Operations and Interactive Discussions.” A light dinner and refreshments will be served.

GENERAL SESSION
I Wish I Could Have Done That Case Over: Complex Case Presentations Involving Patients That Required Multiple Operations and Interactive Discussions
Moderators: *Matthew J. Bott and *Ahmet Kilic

7:00 pm - 7:30 pm
Cardiac Transplantation Case Presentation
*Carl L. Backer
Ann & Robert H. Lurie Children’s Hospital of Chicago, Chicago, IL

7:30 pm - 7:45 pm
Aortic Surgery Case Presentation
*Constantine Mavroudis
Johns Hopkins University School of Medicine, St. Petersburg, FL
*Tomas D. Martin
Florida Hospital, Orlando, FL

7:45 pm - 7:50 pm
Aortic Surgery: The Science Behind the Case
*Scott A. LeMaire
Baylor College of Medicine, Texas Heart Institute, Houston, TX

7:50 pm - 8:00 pm
Open Discussion

8:00 pm - 8:05 pm
Thoracic Surgery with 3-Dimensional Modeling Case Presentation
*Shanda H. Blackmon
Mayo Clinic, Rochester, MN

8:05 pm - 8:10 pm
Robotic Thoracic Surgery Case Presentation
*Robert J. Cerfolio
NYU Langone Health, New York City, NY

8:10 pm - 8:15 pm
Esophageal Surgery Case Presentation
*Christine L. Lau
University of Virginia, Charlottesville, VA

8:15 pm - 8:30 pm
Open Discussion

8:30 pm – 8:35 pm
Mitral Surgery Case Presentation 1
*Vinay Badhwar
West Virginia University, Morgantown, WV

8:35 pm – 8:40 pm
Mitral Surgery Case Presentation 2
*Vinod H. Thourani
MedStar Heart and Vascular Institute and Georgetown University, Washington, DC

8:40 pm – 8:45 pm
Mitral Surgery Case Presentation 3
*Kevin D. Accola
Cardiovascular Surgeons, P.A., Orlando, FL

8:45 pm – 9:00 pm
Open Discussion

** Schedule subject to change  *Indicates STSA Member  V indicates STSA/CTSNet surgical video
THURSDAY, NOVEMBER 7, 2019

10:00 am - 12:00 pm
EXHIBITS OPEN

7:00 am - 7:50 am
ROBERT M. SADE ETHICS LECTURESHIP
CME Credits Available: .75
Moderator:* Robert M. Sade

7:00 am - 7:05 am
Case Introduction: Painting a Vivid Picture: Persuasion versus Manipulation in the Consent Process
*Robert M. Sade
Medical University of South Carolina, Charleston, SC

7:05 am - 7:20 am
Pro: Emile A. Bacha
Columbia University College of Physicians and Surgeons, Weill Cornell College of Medicine, New York, NY

7:20 am - 7:35 am
Con: *John E. Mayer, Jr.
Boston Children's Hospital, Boston, MA

7:35 am - 7:50 am
Panel Discussion

7:00 am - 7:50 am
BASIC SCIENCE FORUM
CME Credits Available: .75
Moderators: *Matthew J. Bott, *James D. St. Louis and *Todd K. Rosengart

7:00 AM - 7:12 AM
1B. Impact of Social Determinants of Health on Non-small Cell Lung Cancer Aggressive Somatic Phenotypes
Loretta Erhunmwunsee1, Hengrui Hu2, Catherine Raquel2, Lisa Lopez2, Jenny Shen2, Lennie Wong2, Jae Kim2, Dan Raz2, Karen Reckamp2, Ravi Salgia2, Stacy Gray2
1City of Hope Cancer Center, Duarte, CA; 2City of Hope Medical Center, Duarte, CA

7:12 AM - 7:24 AM
2B. Pretreatment With Nicorandil Preserves Motor Function After Spinal Cord Ischemia-Reperfusion Injury
Yuki Ikeno1, Christian Ghincea1, Gabriel Roda1, Linling Cheng1, Muhammad Aftabi, Xianzhong Meng2, Michael Weyant2, Joseph Cleveland, Jr.1, *David Fullerton2, *Thomas Reece2
1University of Colorado, Aurora, CO; 2University of Colorado Denver, Aurora, CO

7:24 AM - 7:36 AM
3B. High Mutational Concordance Between Next Generation Sequencing Profiles of Colorectal Cancer and Pulmonary Metastases
1University of Texas, MD Anderson Cancer Center, Houston, TX; 2BC Cancer, Vancouver, BC, Canada

7:36 AM - 7:48 AM
4B. ST2 as a Predictor of Long-Term Risk of Unplanned Readmission After Pediatric Congenital Heart Surgery
Devin Parker1, Allen Everett2, Marshall Jacobs2, *Jeffrey Jacobs, *Luca Vricella1, Chirag Parikh3, Jeremiah Brown1
1The Dartmouth Institute for Health Policy and Clinical Practice, Lebanon, NH; 2Johns Hopkins University School of Medicine, Baltimore, MD; 3Johns Hopkins University, Baltimore, MD

7:50 am - 8:00 am
BREAK

8:00 am - 10:15 am
FIRST SCIENTIFIC SESSION
CME Credits Available: 2.25
Moderators: *Kevin D. Accola, *Jeffrey P. Jacobs and *Vinod H. Thourani

8:00 AM - 8:15 AM
1. Fate of the Preserved Sinuses of Valsalva After Emergency Repair for Acute Type A Aortic Dissection
Markian Bojko1, Maham Suhail2, Joseph Bavaria3, Andreas Habertheuer4, Robert Hu1, Joey Harman3, Nimesh Desai2, Rita Milewski2, *Matthew Williams3, Wilson Szeto2, Jana Mossey4, Prashanth Vallabhajosyula3
1Drexel University College of Medicine, Philadelphia, PA; 2Rowan University, College of Osteopathic Medicine, Stratford, NJ; 3University of Pennsylvania, Philadelphia, PA; 4Dornsife School of Public Health, Drexel University, Philadelphia, PA

8:15 AM - 8:30 AM
2. Surgical Outcomes of Combined Neoadjuvant Atezolizumab and Chemotherapy in Resectable Non-Small Cell Lung Cancer
Richard Dubois1, Catherine Shu1, Lexi Cao1, Adrian Sacher1, Stephanie Smith-Marrone1, Mark Stoopler1, *Joshua Sonett2, Frank D’Ovidio1, Matthew Baccheta3, Anjali Saqi1, Naiyernaiyer Rizvi1, B. Payne Stanifer1
1Columbia University Medical Center, New York, NY; 2New York Presbyterian/ Columbia University, Pomona, NY; 3Vanderbilt University Medical Center, Nashville, TN

*Indicates STSA Member  V indicates STSA/CTSNet surgical video
THURSDAY, NOVEMBER 7, 2019, CONTINUED

8:30 AM - 8:45 AM
3. Hypoplastic Left Heart Syndrome – Twenty Years Follow-up in Norway
Tom Hoel¹, Egil Seem¹, Britt Fredriksen¹, Sigurd Birkeland¹, Kjell Saatvedt¹, *Harald Lindberg³
¹Oslo University Hospital, Oslo, Norway

8:45 AM - 9:00 AM
4. Effect of Ascending Aorta Size on Outcomes Following the Norwood Procedure
Horacio Carvajal¹, Matthew Canter², *Pirooz Eghtesady¹
¹Washington University School of Medicine, St. Louis, MO; ²Washington University in St. Louis, St. Louis, MO

9:00 AM - 9:15 AM
5. Clinical Predictors of In-Hospital Mortality in Venoarterial Extracorporeal Membrane Oxygenation in Patients With Refractory Cardiogenic Shock
Navin Vigneshwar¹, Mark Lucas¹, Patrick Kohtz², Michael Bronsart³, Muhammad Masood⁴, Akinobu Itoh⁴, Michael Weyant³, *Thomas Reece³, *Jay Pal³, Joseph Cleveland, Jr.³, *David Fullerton³, *Muhammad Aftab²
¹University of Colorado, Aurora, CO; ²University of Colorado Denver, Aurora, CO; ³Adult and Child Consortium for Health Outcomes Research and Delivery Science, Aurora, CO; ⁴Washington University School of Medicine, St. Louis, MO

9:15 AM - 9:30 AM
6. National Prevalence and Overall Survival of Primary Stereotactic Body Radiation Therapy for Operable Early-Stage Non-Small Cell Lung Cancer
Rhami Khorfan, Tim Kruser, Ankit Bharat, Karl Bilimoria, David Odell
Northwestern University, Chicago, IL

9:30 AM - 9:45 AM
7. Culture of Safety Improvement in a High-Volume Cardiothoracic Surgery Center
Matthew Henn¹, Clare Ridley¹, *Hersh Maniar², Aaron Dahl³, Aaron Steinberg², Michael Avidan¹, *Ralph Damiano², *G. Alexander Patterson², *Marc Moon²
¹Washington University School of Medicine, Barnes-Jewish Hospital, St. Louis, MO; ²Washington University School of Medicine, St. Louis, MO; ³University of Chicago, Chicago, IL

9:45 AM - 10:00 AM
8. Academic Representation of Women in the Southern Thoracic Surgical Association: Evidence for Positive Change
Jacqueline Olive¹, Niki Iranpour¹, *Ourania Preventza¹, *Shanda Blackmon², *Muhammad Aftab²
¹Baylor College of Medicine, Houston, TX; ²University of Texas, MD Anderson Cancer Center, Houston, TX

HAROLD URSCHEL HISTORY LECTURESHIP
Moderator: John W. Hammon

10:00 AM - 10:15 AM
9. Max Brödel: Father of American Surgical Illustration Did He Help Make Cardiac Surgeons Famous?
W. Randolph Chitwood, Jr.
East Carolina University, Greenville, NC

10:15 am - 10:30 am
BREAK – VISIT EXHIBITS

10:30 am - 12:00 pm
GENERAL SESSION
CME Credits Available: 1.5

10:30 am - 10:55 am
President’s Invited Lecturer – Decision Making in Pediatric Cardiac Surgery... The Rational or Irrational Basis for Why We Do What We Do
James A. Quintessenza
Kentucky Children’s Hospital, Lexington, KY

10:55 am - 11:20 am
President’s Invited Keynote – Why BE a Cardiothoracic Surgeon... Nice Work if You Can Get It; A Life of Privilege
Martin J. Elliott
The Great Ormond Street Hospital for Children, London, United Kingdom

11:20 am – 12:00 pm
Presidential Address – “Y”
Jeffrey P. Jacobs

*Indicates STSA Member  V indicates STSA/CTSNet surgical video
THURSDAY, NOVEMBER 7, 2019, CONTINUED

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

2019 CARDIOTHORACIC SURGERY
JEOPARDY COMPETITION
Round 1 (in the Exhibit Hall)

2:00 pm - 3:00 pm
SECOND SCIENTIFIC SESSION
CME Credits Available: 1.0
Moderators: *Joseph A. Dearani and *Daniela Molena
Resident Moderator: Kimberly A. Holst

2:00 PM - 2:15 PM
10. Comparative Effectiveness of Mechanical
Valves, Bioprosthetic Valves and Homografts in the
Management of Complex Aortic Endocarditis
Zaid Abdelsattar, Mohamed Elsisy, *Hartzell Schaff,
Kevin Greason, Richard Daly, M. Sertac Cicek, *John Stulak,
*Joseph Dearani, Alberto Pochettino, Visha Khullar, Phillip
Rowse, Gabor Bagameri, Arman Arghami, Juan Crestanello
Mayo Clinic, Rochester, MN

2:15 PM - 2:30 PM
11. Mobile Lung Screening: Should We All Get on
the Bus?
*Ashley Miller1, *James Headrick1, *Jeremy Smith1,
Olivia Morin2
1CHI Memorial Chest and Lung Cancer Center, Chattanooga,
TN; 2University of Tennessee College of Medicine Chattanooga,
Chattanooga, TN

2:30 PM - 2:45 PM
12. ABO Incompatible Heart Transplant in Infants -
A UNOS Registry Review
*Deborah Kozik1, Jaimin Trivedi1, Joshua Sparks1,
*Mark Slaughter1, *Bahaalldin Alsouf1, *Ere Austen2
1University of Louisville, Louisville, KY; 2University of Louisville,
Kosair Children’s Hospital, Louisville, KY

2:45 PM - 3:00 PM
13. Preoperative Left Atrial Dimension: An
Indication for Asymptomatic Mitral Valve Repair?
Tessa Watt, Alexander Brescia, Liza Rosenbloom,
Haley Aligeyler, Sonali Reddy, Shannon Murray, Xiaoting Wu,
*Steven Bolling
University of Michigan, Ann Arbor, MI

3:00 pm - 3:30 pm
BREAK – VISIT EXHIBITS

2019 CARDIOTHORACIC SURGERY
JEOPARDY COMPETITION
Round 2 (in the Exhibit Hall)

3:30 pm - 5:30 pm
THIRD SCIENTIFIC SESSION
CME Credits Available: 2.0
Moderators: *Andrea J. Carpenter, *John H. Calhoon
and *Elizabeth A. David

3:30 PM - 3:45 PM
14. The Role of Frailty in Failure to Rescue After
Cardiovascular Surgery: Improved Outcomes Seen
at High-Performing Cardiac Surgical Centers
Krish Dewan1, Suparna Navale2, Sameer Hirji3,
Siran Koroukian2, Karan Dewan1, Lars Svensson1,
A. Marc Gillinov1, Eric Roselli1, Douglas Johnston1,
*Faisal Bakaeen1, Edward Soltesz1
1Cleveland Clinic, Cleveland, OH; 2Case Western Reserve
University, Cleveland, OH; 3Brigham and Women’s Hospital,
Boston, MA

3:45 PM - 4:00 PM
15. Concurrent Breast and Lung Cancer is a
Common Finding in Women With a History of
Smoking
Tamar Nobel, Raul Caso, Giye Choe, Prasad Adusumilli,
Manjti Bains, *Matthew Bott, Robert Downey, James Huang,
*James Isbell, Bernard Park, Gaetano Rocco, Valerie Rusch,
Smita Sihag, *David Jones, *Daniela Molena
Memorial Sloan Kettering Cancer Center, New York, NY

4:00 PM - 4:15 PM
16. Outcomes of Tricuspid Valve Surgery in Patients
with Functional Tricuspid Regurgitation
Siddharth Pahwa, Nishant Saran, Alberto Pochettino,
*Hartzell Schaff, *John Stulak, Kevin Greason,
Juan Crestanello, Richard Daly, M. Sertac Cicek,
Katherine King, *Joseph Dearani
Mayo Clinic, Rochester, MN

4:15 PM - 4:30 PM
17. Clinical Outcomes of Non-Cardiac Surgery
Patients Requiring Postoperative ECMO
Harrison Lang, Mitchell Milanuk, John Brady, Elizabeth Lyden,
*HelenMari Merritt Genore
University of Nebraska Medical Center, Omaha, NE

*Indicates STSA Member    V indicates STSA/CTSNet surgical video
THURSDAY, NOVEMBER 7, 2019, CONTINUED

4:30 PM - 4:45 PM
18. Unicuspid Aortic Valve Repair Using Geometric Ring Annuloplasty
Ming-Sing Si1, Jennifer Romano1, Matthew Romano1, Nicholas Andersen2, *John Conte3, *J. Scott Rankin4, Lawrence Wei4, *Vinay Badhwar4, *Joseph Turek2
1University of Michigan, Ann Arbor, MI; 2Duke University, Durham, NC; 3Penn State University, Hershey, PA; 4West Virginia University, Morgantown, WV

4:45 PM - 5:00 PM
19V. Aortic Valve Neocuspidization (Ozaki Procedure) for Pediatric and Congenital Aortic Valve Disease
*Damien LaPar1, Emile Bacha2
1Columbia University College of Physicians and Surgeons, New York, NY; 2Columbia University College of Physicians and Surgeons, Weill Cornell College of Medicine, New York, NY

5:00 PM - 5:15 PM
*Lary Robinson1, Tawee Tanvetyanon1, Deanna Grubbs1, Noah Robinson2, Christine Pierce1, Kevin McCarthy3, Rosemarie Garcia Getting1, Sephalie Patel1
1Moffitt Cancer Center, Tampa, FL; 2Georgia Institute of Technology, Atlanta, GA

5:15 PM - 5:30 PM
21V. First Successful Implant of Endovascular Aortic Arch Device in the United States
*Puja Kachroo, Rahul Handa, J. Westley Ohman, Luis Sanchez, *Marc Moon
Washington University School of Medicine, St. Louis, MO

6:00 pm - 7:00 pm
RESIDENTS RECEPTION

7:00 pm - 9:00 pm
PRESIDENT’S MIXER

*Indicates STSA Member    V indicates STSA/CTSNet surgical video
FRIDAY, NOVEMBER 8, 2019

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: *Scott A. LeMaire and *Jennifer S. Lawton
Resident Moderator: *Erin Corsini

7:00 AM - 7:15 AM
22. Patient-Reported Outcomes at One Year Define Successful Cardiac Surgery
Eric Charles1, *James Mehaffey1, *Robert Hawkins1, China Green1, Ashley Craddock1, Zachary Tyerman1, Nathaniel Larson1, *Irving Kron1, *Gorav Ailawadi2, *Benjamin Kozower3
1University of Virginia, Charlottesville, VA; 2University of Virginia Health System, Charlottesville, VA; 3Washington University School of Medicine, St. Louis, MO

7:15 AM - 7:30 AM
23. Longer-Term Outcomes of Coronary Bypass Surgery With and Without Mitral Valve Repair in Moderate Ischemic Mitral Regurgitation
Laura Seese, Keith Dufendach, Ibrahim Sultan, Edgar Aranda-Michel, Thomas Gleason, Yisi Wang, Floyd Thoma, Arman Kilic
University of Pittsburgh Medical Center, Pittsburgh, PA

7:30 AM - 7:45 AM
24V. One Stage Repair With Primary Fistula Closure for Huge Aorto-Esophageal Fistula After TEVAR
Toshiki Fujiyoshi1, Usman Ahmad2, Kyle Milletic2, Siva Raja1, Patrick Vargo1, Emidio Germano1, Eric Roselli1
1Cleveland Clinic, Cleveland, OH; 2Cleveland Clinic Foundation, Cleveland, OH

7:45 AM - 8:00 AM
25. Development of a Readmission Risk Score for Coronary Artery Bypass Graft Surgery
Baylor College of Medicine, Houston, TX

8:00 AM - 8:15 AM
26. Bicuspid Aortic Valve Repair: Causes of Valve Failure and Long Term Outcomes
Mayo Clinic, Rochester, MN

8:15 AM - 8:30 AM
27V. A Transcatheter Solution for Pure Aortic Insufficiency
James Edelman1, *Christian Shults2, Lowell Satler1, I. Itsik Ben-Dor, Toby Rogers, Ron Waksman1, *Vinod Thourani2
1Mayo Clinic, Rochester, MN; 2Medstar Heart and Vascular Institute, Washington, DC

7:00 AM - 7:15 AM
28. Outcomes Following Thoracic Metastasectomy in Patients With Metastatic Germ Cell Tumors
Raul Caso, Gregory Jones, Kay See Tan, Darren Feldman, Samuel Funt, Victor Reuter, Manjit Bains, *David Jones
Memorial Sloan Kettering Cancer Center, New York, NY

7:15 AM - 7:30 AM
29. Re-Resecting to a Negative Margin After an Initial Positive Esophagectomy Margin Enhances Progression Free Survival
1Mayo Clinic, Rochester, MN; 2University of Texas, MD Anderson Cancer Center, Houston, TX

7:30 AM - 7:45 AM
30V. Resection and Reconstruction of Primary Adenoid Cystic Carcinoma of the Trachea
Domenico Galetta, Lorenzo Spaggiari
European Institute of Oncology, Milan, Italy

7:45 AM - 8:00 AM
31. A Pathway for Obstructing Esophageal Cancer Facilitates Care
*Nicholas Tingquist1, *Jason Muesse2, Kevin Sexton2, *Matthew Steliga3
1University of Arkansas, Little Rock, AR; 2University of Arkansas for Medical Sciences, Little Rock, AR
FRIDAY, NOVEMBER 8, 2019, CONTINUED

8:00 AM - 8:15 AM
32V. Robotic Sleeve Resection of the Airway: Technical Considerations and Mid-Term Results
Travis Geraci1, Dana Ferrari-Light2, *Robert Cerfolio1
1New York University, New York, NY; 2NYU Langone Health, New York, NY

8:15 AM - 8:30 AM
33. Analysis of a Statewide Narcotic Reporting Database Identifies High Prevalence of Long-term Opioid Dependence After Resection for Lung Cancer
Nick Levinsky1, Matthew Byrne1, Alexander Cortez2, Rachel Beaupre1, Julian Guiron1, Sandra Starnes1, Robert Van Haren1
1University of Cincinnati College of Medicine, Cincinnati, OH; 2Cincinnati Research on Outcomes and Safety in Surgery (CROSS), Cincinnati, OH

CONGENITAL BREAKOUT
Moderators: *James J. Gangemi and *James D. St. Louis
Resident Moderator: Erik Scott

7:00 AM - 7:15 AM
34. Incidence of Reintervention Following Aortic Arch Repair Using a Tailored Autologous Pericardial Patch
Harris Glenn, Muhammad Owais Abdul Ghani, Muhammad Aanish Raees, Chevis Shannon, George Nicholson, *David Bichell
Vanderbilt University Medical Center, Nashville, TN

7:15 AM - 7:30 AM
35V. Resuscitating the PTFE Graft-to-Innominate Artery After Neonatal Arch Reconstructions: Straightforward Access for Arterial Cannulation During Stage II Palliation or Pulmonary Artery Debanding + Complete Repair in Infancy
*Ali Dodge-Khatami1, Jannika Dodge-Khatami1, Robert Hanfland1, *Raina Sinha2, *Jorge Salazar3
1UT Health at Houston/ Children’s Memorial Hermann Hospital, Houston, TX; 2University of Texas Health Science Center at Houston, Houston, TX; 3McGovern Medical School at UTH, Houston, TX

7:30 AM - 7:45 AM
36. Bidirectional Glenn Procedure in Patients Less Than 3 Months of Age: A 14 Year Experience With Stage II Palliation
Melita Viegas, Carlos-Eduardo Diaz, Mario Castro-Medina, Luciana Da Fonseca Da Silva, *Victor Morell
UPMC Children’s Hospital of Pittsburgh, Pittsburgh, PA

7:45 AM - 8:00 AM
37. Establishing Biventricular Circulation in Interrupted Aortic Arch and Ventricular Septal Defect With Small Aortic Annulus
Demetrios Mallios, W. Hampton Gray, Winfield Wells, Vaughn Starnes, Ram Kumar Subramanian
University of Southern California, Los Angeles, CA

8:00 AM - 8:15 AM
38. Autograft Failure After the Ross Procedure and its Reoperation
Yuki Nakayama, Takeshi Shinkawa, Goki Matsumura, Ryogo Hoki, Kei Kobayashi, Hiroshi Niinami
Tokyo Women’s Medical University, Tokyo, Japan

8:15 AM - 8:30 AM
39. Impact of Preoperative Aortic Valve Leaflet Morphology on Re-Intervention Rates Following Ross Operation in Children
Govinda Paudel1, *Christopher Knott-Craig1, John Sun1, Jonathan Rho1, Tiffany Street2, Xinhua Yu2, *Umar Boston2
1University of Tennessee Health Science Center, Memphis, TN; 2Le Bonheur Children’s Hospital, Memphis, TN; 3University of Memphis, Memphis, TN

8:30 am - 9:00 am
BREAK – VISIT EXHIBITS

9:00 am - 10:00 am
FOURTH SCIENTIFIC SESSION B – RAPID FIRE ABSTRACT PRESENTATIONS
Simultaneous Adult Cardiac, Thoracic, and Congenital Breakout Sessions
CME Credits Available: 1.0

ADULT CARDIAC BREAKOUT
Moderators: *Vinay Badhwar and *J. Michael DiMaio
Resident Moderator: Darrell Wu

9:00 AM - 9:05 AM
40. Contemporary Experience With the Use or Repair of Homografts in 97 Proximal Aortic Repairs
*Joseph Coselli1, Hiruni Amarasekara2, Matt Price2, Susan Green2, *Ourania Preventza2, *Scott LeMaire2
1Baylor College of Medicine, Texas Heart Institute, Houston, TX; 2Baylor College of Medicine, Houston, TX
FRIDAY, NOVEMBER 8, 2019, CONTINUED

9:05 AM - 9:10 AM
41. Predictors and Outcomes of Stroke After Transcatheter Aortic Valve Replacement
Sarah Hatfield1, Taylor James2, Mark Rothenberg1, Arvind Kapilla1, Cristiano Faber1, Marcos Nore1, Sotiris Stamou1
1JFK Medical Center, Atlantis, FL; 2University of Miami Miller School of Medicine, Miami, FL

9:10 AM - 9:15 AM
42. Transfusion in Elective Aortic Root Replacement: Analysis of the STS Adult Cardiac Surgery Database
Jonathan Hemli1, S Jacob Scheinerman1, Martin Lesser2, Seungjun Ahn2, Efstathia Mihelis1, Lynda Jahn3, Nirav Patel1, Derek Brinster1
1Lenox Hill Hospital/ Northwell Health, New York, NY; 2Feinstein Institute for Medical Research/ Northwell Health, Manhasset, NY; 3Northwell Health, Manhasset, NY

9:15 AM - 9:20 AM
43. Significance of Severe Diastolic Dysfunction and Pulmonary Hypertension on Outcomes in Aortic Valve Replacement Surgery
Tom Liu1, Mira Tanenbaum1, Claire Seo1, John Lystash2, Mark Joseph2, William Arnold2
1Virginia Tech Carilion School of Medicine, Roanoke, VA; 2Carilion Clinic, Roanoke, VA

9:20 AM - 9:25 AM
44. Long-Term Economic Follow-Up of Distant Referral for Degenerative Mitral Valve Disease
Alexander Brescia1, Michael Paulsen2, Tessa Watt1, Liza Rosenbloom1, Alexander Wisniewski3, Wallace Hopp4, Steven Bolling1
1University of Michigan, Ann Arbor, MI; 2Stanford University, Stanford, CA; 3University of Toledo, Toledo, OH; 4University of Michigan Ross School of Business, Ann Arbor, MI

9:25 AM - 9:30 AM
45. Burden and Impact of Tricuspid Regurgitation in Patients Undergoing Coronary Artery Bypass Grafting
William Chancellor1, Jared Beller1, Nathan Haywood2, James Mehaffey1, Alan Speir3, Mohammed Quader4, Leora Yarboro1, Nicholas Teman1, Gorav Ailawadi1
1University of Virginia, Charlottesville, VA; 2University of Virginia Health System, Charlottesville, VA; 3INOVA Heart and Vascular Institute, Falls Church, VA; 4Virginia Commonwealth University, Richmond, VA

9:30 AM - 9:35 AM
46. National Trends in Racial and Ethnic Differences for CABG versus PCI Treatment of Coronary Artery Disease
Rohan Shah, Rodrigo Zea-Vera, Qianzi Zhang, Subhasis Chatterjee, Matthew Wall, Todd Rosengart, Ravi Ghanta
Baylor College of Medicine, Houston, TX

9:35 AM - 9:40 AM
47. Cardiac Surgery and Postoperative Allograft Failure in Renal Transplantation Recipients
James Mace, Rongbing Xie, Luqin Deng, Ammar Asban, Wesley Kim, Sara Pereira, James Kirklin, James Davies
University of Alabama at Birmingham, Birmingham, AL

9:40 AM - 9:45 AM
48. Monitoring Anticoagulation in Patients on Extracorporeal Membrane Oxygenation: Back to the Basics
Jolian Dahl, Jared Beller, Dustin Money, William Chancellor, James Mehaffey, Surabhi Palkimas, Matthew Morrisette, Yiyu Zhao, Leora Yarboro, Nicholas Teman
University of Virginia, Charlottesville, VA

9:45 AM - 9:50 AM
49. Does Elective Sternal Plating In BMI > 35 Patients Reduce Sternal Complication Rates?
Carmen Tugulan1, Aditya Bansal2, Michael Bates2, Nathan Zwintscher1, Stephen Spindel2, William Smith1, Patrick Parrino3
1Ochsner Medical Center, New Orleans, LA; 2Ochsner Health Systems, New Orleans, LA; 3Ochsner Clinic Foundation, New Orleans, LA

THORACIC BREAKOUT
Moderators: Alejandro Bribriesco and Hugh van Gelder
Resident Moderator: Dean Schraufnagel

9:00 AM - 9:05 AM
50. Prolonged Operative Time for Pulmonary Lobectomy Predicts Worse Outcomes and Lower Value
Travis Geraci1, Dana Ferrari-Light2, Chao Song3, Daniel Oh4, Robert Cerfolfio1
1New York University, New York, NY; 2NYU Langone Health, New York, NY; 3Intuitive Surgical, Sunnyvale, CA; 4Keck School of Medicine of the University of Southern California, Los Angeles, CA
FRIDAY, NOVEMBER 8, 2019, CONTINUED

9:05 AM - 9:10 AM
51. Clinical Outcomes of Lung Transplants From Donors With Unexpected Pulmonary Embolism
1Japanese Red Cross Medical Center, Tokyo, Japan; 2Barnes-Jewish Hospital, St. Louis, MO; 3Washington University School of Medicine, St. Louis, MO

9:10 AM - 9:15 AM
52. Outcomes Following Lobar and Sublobar Resection for Clinical Stage 1 Non-Small Cell Lung Cancer in Women
William Phillips1, Ritu Gill2, Emanuele Mazzola3, Julee Armitage4, Claire de Forcrand1, Yolonda Colson4, *Barry Gibney5
1Brigham and Women’s Hospital, Boston, MA; 2Beth Israel Deaconess Medical Center, Boston, MA; 3Dana-Farber Cancer Institute, Boston, MA; 4Massachusetts General Hospital, Boston, MA; 5Medical University of South Carolina, Charleston, SC

9:15 AM - 9:20 AM
53. Reoperative Pectus Repair in Adults Using Biomaterials
Daniel L. Miller
WellStar Health System, Marietta, GA

9:20 AM - 9:25 AM
54. Predictors of Use and Survival in Old Donor Lung Transplant: An Analysis of the UNOS Registry
Ashley Choi1, Oliver Jawitz2, Vignesh Raman2, Jacob Klapper2, *Matthew Hartwig3
1Duke University School of Medicine, Durham, NC; 2Duke University Medical Center, Durham, NC; 3Duke University, Durham, NC

9:25 AM - 9:30 AM
55. The Ideal Approach for Clinical Locally Advanced Esophageal Cancer - Neoadjuvant vs Adjuvant Strategy: An Analysis of 11,364 Patients in the National Cancer Database (NCDB)
Binhao Huang, Jie Zhang, *Arjun Pennathur, James Luketich
University of Pittsburgh Medical Center, Pittsburgh, PA

9:30 AM - 9:35 AM
56. An Assessment of the Opportunity for Clinical Variation Reduction in Propensity Matched Patients Treated for Malignant Pleural Effusion
*Richard Freeman1, *Anthony Ascio2, Vijay Nuthakki3
1St. Vincent’s Health and Hospital System, Indianapolis, IN; 2St. Vincent Medical Group, Indianapolis, IN; 3St Vincent Health, Indianapolis, IN

9:35 AM - 9:40 AM
57. Risk Factors for Non-Home Discharge After Esophagectomy
Christopher Heid, Mitri Khoury, *Tracy Geoffrion, Alberto De Hoyos
University of Texas Southwestern Medical Center, Dallas, TX

9:40 AM - 9:45 AM
58. Rib Plating Offers Favorable Outcomes in Patients with Chronic Non-Union of Prior Rib Fractures
Kerrie Buehler, Candice Wilshire, Adam Bograd, Eric Vallieres
Swedish Cancer Institute, Seattle, WA

9:45 AM - 9:50 AM
59. Minimum Volume Standards for Surgical Care of Early Stage Lung Cancer: A Cost-Effectiveness Analysis
*Melanie Subramanian1, Su-Hsin Chang1, Zhang Jianrong2, Daniel Willis1, *Tara Semenkovich1, Brenda Heiden1, *Benjamin Kozower1, *Daniel Kreisel1, *Bryan Meyers1, Ruben Nava1, *G. Alexander Patterson1, Varun Puri1
1Washington University School of Medicine, St. Louis, MO; 2Brown School at Washington University, St. Louis, MO

CONGENITAL BREAKOUT

Moderators: Emile A. Bacha and *Joseph A. Dearani
Resident Moderator: Elizabeth Stephens

9:00 AM - 9:05 AM
60. Evolution and Current Results of a Unified Strategy for Sinus Venosus Surgery
Elizabeth Stephens, Michael Monge, Osama Eltayeb, Angira Patel, Gregory Webster, Cynthia Rigsby, *Carl Backer
Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL

9:05 AM - 9:10 AM
61. Right Ventricular Outflow Tract Reconstruction in Patients With Truncus Arteriosus: A 37-Year Experience
Jeremy Herrmann1, Emilee Larson1, Christopher Mastropietro1, Mark Rodefeld2, Mark Turrentine1, *John Brown2
1Indiana University School of Medicine, Indianapolis, IN; 2Indiana University, Indianapolis, IN
FRIDAY, NOVEMBER 8, 2019, CONTINUED

9:10 AM - 9:15 AM
62. Antibiotic Prophylaxis in Children Undergoing Delayed Sternal Closure: Foundations for Standardization of Practice
John Kennedy, III1, Olivia DiLeonardo2, *Jennifer Nelson2
1University of Central Florida College of Medicine, Orlando, FL; 2Nemours Children’s Hospital, Orlando, FL

9:15 AM - 9:20 AM
63. Efforts to Reduce Infections in Delayed Sternal Closure Patients: A Survey of Pediatric Practice
Cathy Woodward1, Richard Taylor1, Roobzeh Taeed2, Minnette Son3, *S. Adil Husain4
1UT Health San Antonio, San Antonio, TX; 2Dell Medical School, University of Texas at Austin, Austin, TX; 3Children’s Mercy Hospital, UMCK School of Medicine, Kansas City, MO; 4University of Utah Health/ Primary Children’s Hospital, Salt Lake City, UT

9:20 AM - 9:25 AM
64. Minimally Invasive, Sternal-Sparing Approaches for Congenital Heart Disease: Versatile, Safe and Effective
1Duke University School of Medicine, Durham, NC; 2Duke University Medical Center, Durham, NC; 3Duke University, Durham, NC

9:25 AM - 9:30 AM
65. The Intraoperative Use of Recombinant Activated Factor VII in Atrial Switch Operations
Ziyad Binsalama1, Christopher Ibarra2, Zachary Spigel1, Jessica Zink2, *Carlos Mery3, Erin Gottlieb2, *Charles Fraser2, *Jeffrey Heinle1
1Texas Children’s Hospital/ Baylor College of Medicine, Houston, TX; 2Texas Children’s Hospital, Houston, TX; 3University of Texas Dell Medical School, Austin, TX

9:30 AM - 9:35 AM
66. Early Results of Less Than 5 mm RV to PA Conduits for Neonatal Palliation of Single Ventricle Lesions
1University of Texas Health Science Center at Houston, Houston, TX; 2UT Health at Houston/ Children’s Memorial Hermann Hospital, Houston, TX; 3McGovern Medical School at UTHouston, Houston, TX

9:35 AM - 9:40 AM
67. Evaluating Surgical Treatment Strategies for Congenital Hypertrophic Cardiomyopathy: A 30 Year Experience
*Damien LaPar1, Eliana Al Haddad2, Meredith Pesce3, David Kalfa1, Teresa Lee1, Emile Bacha4, Warren Zuckerman1
1Columbia University College of Physicians and Surgeons, New York, NY; 2Columbia University Medical Center, New York, NY; 3New York Presbyterian/ Columbia University, New York, NY; 4Columbia University College of Physicians and Surgeons, Weill Cornell College of Medicine, New York, NY

9:40 AM - 9:45 AM
68. Valve Sparing Aortic Root Replacement in Teenagers and Young Adults With Aortic Root Aneurysms and Bicuspid Aortic Valves
Amy Lie1, Salil Ginle2, Peter Bartz2, Michael Earing2, Scott Cohen2, Jennifer Gerardin2, William Johnson2, *Michael Mitchell2
1Medical College of Wisconsin, Milwaukee, WI; 2Children’s Hospital of Wisconsin, Milwaukee, WI

9:45 AM - 9:50 AM
69. Outcomes of Shone’s Complex Surgery; A Single Center Experience
Ahmed Elmahrouk1, Mohamed Ismail2, Amr Arafat3, Tamer Hamouda1, Abdelmonem Helal1, Ahmed Dohain3, Osman Al-Radi4, Ahmed Jamjoom1
1King Faisal Specialist Hospital & Research Center, Riyadh, Saudi Arabia; 2Mansoura University, Mansoura, Egypt; 3Faculty of Medicine Tanta University, Tanta, Egypt; 4Benha University, Benha, Egypt; 5Cairo University, Cairo, Egypt; 6King Abdulaziz University, Jeddah, Saudi Arabia

10:00 AM - 10:30 AM
BREAK – VISIT EXHIBITS
2019 CARDIOTHORACIC SURGERY JEOPARDY COMPETITION
Final Round (in the Exhibit Hall)

10:30 AM - 12:00 PM
GENERAL SESSION: DIVERSITY, HISTORY, AND ADVOCACY
CME Credits Available: 1.5
Moderators: *Shanda H. Blackmon, *Jeffrey P. Jacobs, and *Vinod H. Thourani

10:30 AM - 10:50 AM
DIVERSITY: KENT TRINKLE EDUCATION LECTURESHP
Education and Diversity in Cardiothoracic Surgery
*Robert S.D. Higgins
Johns Hopkins University School of Medicine, Baltimore, MD
FRIDAY, NOVEMBER 8, 2019, CONTINUED

10:50 am – 11:20 am
HISTORY: MEDICAL ILLUSTRATION IN THE ERA OF CARDIAC SURGERY
70. Medical Illustration in the Era of Cardiac Surgery
*Constantine Mavroudis
Johns Hopkins University School of Medicine, St. Petersburg, FL

11:20 am – 12:00 pm
ADVOCACY: WHY PROFESSIONAL ADVOCACY IS IMPORTANT TO ME
11:20 am – 11:35 am
*Keith S. Naunheim
St. Louis University, St. Louis, MO
11:35 am – 11:50 am
*John E. Mayer, Jr.
Boston Children’s Hospital, Boston, MA

11:50 am – 12:00 pm
Open Discussion

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.

1:00 pm - 1:30 pm
BREAK – VISIT EXHIBITS

1:30 pm - 2:30 pm
FOURTH SCIENTIFIC SESSION C
Simultaneous Adult Cardiac, Thoracic, Adult Congenital and ECMO/Transplant Breakout Sessions
CME Credits Available: 1.0

ADULT CARDIAC BREAKOUT
Moderators: *Ourania Preventza and *T. Brett Reece
Resident Moderator: Carmen Tugulan

1:30 pm - 1:45 pm
71. Impact of Endovascular False Lumen Embolization on Thoracic Aortic Remodeling in Chronic Dissection
Kyle Miletic¹, Bogdan Kindzelski², Kevin Hodges², Jocelyn Beach², Michael Tong², *Faisal Bakaean¹, Douglas Johnston², Eric Roselli³
¹Cleveland Clinic Foundation, Cleveland, OH; ²Cleveland Clinic, Cleveland, OH

1:45 pm - 2:00 pm
72. Coronary Ostia Management During Aortic Root Replacement: Is the Modified Cabrol Reattachment Inferior to the Carrel Button?
Akiko Tanaka¹, Zain Al Rstum², Nicolas Zhou³, Kenton Rommens³, Harleen Sandhu³, Charles Miller¹, *Hazim Safi¹, *Anthony Estrella¹
¹McGovern Medical School at UTHouston, Houston, TX; ²The University of Texas Health Science Center at Houston, Houston, TX; ³University of Texas Health Science Center at Houston, Houston, TX

2:00 pm - 2:15 pm
73. Further Evidence for Abandoning Lumbar Drain Placement for Isolated Descending Thoracic Endovascular Aortic Repair
Soraya Voigt¹, Jatin Anand¹, Vignesh Raman², Oliver Jawitz², *Ryan Plichta¹, *Jeffrey Gaca¹, Richard McCann¹, *G. Chad Hughes¹
¹Duke University, Durham, NC; ²Duke University Medical Center, Durham, NC

2:15 pm - 2:30 pm
74V. Aortic Valve Repair and Selective Sinus Remodeling for Aortic Root Aneurysm
*Richard Downey¹, Scott Weaver¹, *J. Scott Rankin³, *Vinay Badhwar³
¹University of Michigan, Ann Arbor, MI; ²Corazon Medical, Columbus, OH; ³West Virginia University, Morgantown, WV

THORACIC BREAKOUT
Moderators: *Melanie A. Edwards and *Erin A. Gillaspie
Resident Moderator: *Alejandro Murillo Berlio

1:30 pm - 1:45 pm
75. Signet Ring Cell Histology Confers Worse Overall Survival in Treated Esophageal Adenocarcinoma
Andrew Tang¹, Jesse Rappaport¹, Siva Raja², *Alejandro Bribriesco³, Hafiz Umair Siddiqui³, Daniel Raymond⁴, Davendra Sohal⁵, Sudish Murthy⁶, Usman Ahmad³
¹Cleveland Clinic Foundation, Cleveland, OH; ²Cleveland Clinic, Cleveland, OH

1:45 pm - 2:00 pm
76. VATS Lobectomy is Not Dead— Improved Long-Term Postoperative Quality of Life Metrics After VATS Lobectomy Compared to Robotic-Assisted Lobectomy
Aaron Williams¹, Tyler Grenda¹, Lili Zhao¹, Ben Biesterveld¹, Umar Bhatti¹, *Philip Carroll, Jr.², William Lynch¹, Jules Lin¹, Kiran Lagisetty¹, *Andrew Chang¹, Rishindra Reddy¹
¹University of Michigan, Ann Arbor, MI; ²Baylor College of Medicine, Houston, TX; ³University of Michigan Health System, Ann Arbor, MI

*Indicates STSA Member  V indicates STSA/CTSNet surgical video
FRIDAY, NOVEMBER 8, 2019, CONTINUED

2:00 pm - 2:15 pm
77V. Basilar Thoracoscopic Segmentectomy for Lobar & Extralobar Sequestration With Bochdalek Hernia Repair
*Shanda Blackmon, Johnathan Aho, Sahar Saddoughi
Mayo Clinic, Rochester, MN

2:15 pm - 2:30 pm
78. Lymph Node Assessment in Surgery for Limited Stage Small Cell Lung Cancer
A. Justin Rucker, Vignesh Raman, Oliver Jawitz, *Thomas D’Amico, *David Harpole
Duke University Medical Center, Durham, NC

ADULT CONGENITAL BREAKOUT

Moderators: Stephanie Fuller and *Jennifer S. Nelson
Resident Moderator: *Shawn Shah

1:30 pm - 1:45 pm
79. Mid-Term Outcomes of a Novel Trans-Conal Approach to Anomalous Aortic Origin of Left Main Coronary Artery Arising From Right Coronary Sinus With Extended Trans-Septal Course
Hani Najm1, Tara Karamlou1, Munir Ahmad2, Saad Hasan1, *Robert Stewart3, Joanna Ghobrial1, David Majdalany1, Yezan Salam3, Gosta Pettersson1
1Cleveland Clinic, Cleveland, OH; 2Cleveland Clinic Foundation, Cleveland, OH; 3Alfaisal University, Riyadh, Saudi Arabia

1:45 pm - 2:00 pm
80. Anomalous Origin of the Right Coronary Artery From the Pulmonary Artery: Analysis of 192 Published Cases With a Proposed Classification System
Timothy Guenther1, Curtis Wozniak2, Gary Raff1
1University of California Davis, Davis, CA; 2University of California San Francisco, San Francisco, CA

2:00 pm - 2:15 pm
81V. Right Video-Assisted Thoracoscopic Surgical Division of Aberrant Right Subclavian Artery and Right Subclavian-Carotid Transposition
Christian Ghincea1, Yuki Ikeno1, Michael Weyant2, John Mitchell3, *Muhammad Aftab2, *Thomas Reece2
1University of Colorado, Aurora, CO; 2University of Colorado Denver, Aurora, CO; 3University of Colorado School of Medicine, Aurora, CO

2:15 pm - 2:30 pm
82V. Bentall and Redo-Konno Operation for an Adult With Aortic Para-Prosthetic Leak With Root Aneurysm
Takeshi Shinkawa, Yuki Nakayama, Ryogo Hoki, Kei Kobayashi, Tomohiro Nishinaka, Hiroshi Niinami
Tokyo Women’s Medical University, Tokyo, Japan

ECMO/TRANSPLANT BREAKOUT

Moderators: *Christine L. Lau and *Ezequiel J. Molina
Resident Moderator: Walker Julliard

1:30 pm - 1:45 pm
83. Hospital Cost and Resource Utilization Are Similar for ECMO Irrespective of Cannulation Strategy
Karen Walker, Kunal Kotkar, Marci Damiano, *Ralph Damiano, *Marc Moon, Akinobu Itoh, Muhammad Masood
Washington University School of Medicine, St. Louis, MO

1:45 pm - 2:00 pm
84. High Center Volume May Partially Mitigate the Increased Mortality Associated With Pre-Transplant Admission Status in Lung Transplant Recipients
Neel Ranganath1, Travis Geraci2, Stacey Chen1, Deane Smith1, Bonnie Lonze2, Melissa Lesko1, Luis Angel1, Zachary Kon1
1NYU Langone Health, New York, NY; 2New York University, New York, NY; 3NYU Langone Transplant Institute, New York, NY

2:00 pm - 2:15 pm
85. Comparison of Heart Transplantation Survival Outcomes of HIV Seropositive Recipients to Seronegative Recipients Using Propensity Score Matching
*Julie Doberne1, Oliver Jawitz2, Vignesh Raman2, Benjamin Bryner1, Jacob Schroder1, *Carmelo Milano4
1Duke University, Durham, NC; 2Duke University Medical Center, Durham, NC

2:15 pm - 2:30 pm
86. Nighttime Operation is Associated With Adverse Outcomes After Lung Transplantation
Zhizhou Yang1, Tsuyoshi Takahashi2, Christy Hamilton1, *Melanie Subramanian1, *Bryan Meyers1, *Benjamin Kozower1, G. Alexander Patterson1, Ruben Nava1, Michael Pasque1, Ramsey Hachem1, Chad Witt1, Patrick Aguilar1, Derek Byers1, *Daniel Kreisel1, Varun Puri1
1Washington University School of Medicine, St. Louis, MO; 2Barnes-Jewish Hospital, St. Louis, MO

*Indicates STSA Member    V indicates STSA/CTSNet surgical video
FRIDAY, NOVEMBER 8, 2019, CONTINUED

2:30 pm - 3:00 pm
BREAK – VISIT EXHIBITS

3:00 pm – 4:00 pm
FIFTH SCIENTIFIC SESSION
CME Credits Available: 1.0
Moderators: *John H. Calhoon, *Robert J. Cerfolio, and
*Alan M. Speir

3:00 pm – 3:30 pm
Update on Maintenance of Certification of the
American Board of Thoracic Surgery
*Joe B. Putnam, Jr.
Baptist MD Anderson Cancer Center, Jacksonville, FL
*Stephen C. Yang
Johns Hopkins Medical Institutions, Baltimore, MD

3:30 pm - 3:45 pm
87. Blades of Glory: An Unsung Capitol Giant
Alexander Yang1, *Stephen Yang2
1George Washington University School of Medicine; 2Johns
Hopkins Medical Institutions

3:45 pm - 4:00 pm
88. The First and Only Carolyn Reed
*Shanda Blackmon
Mayo Clinic, Rochester, MN

4:00 pm - 4:45 pm
STSA ANNUAL BUSINESS MEETING
Members Only
*All new STSA Members are required to attend.

SATURDAY, NOVEMBER 9, 2019

7:00 am - 7:50 am
STS CODING WORKSHOP

8:00 am - 10:00 am
STSA POSTGRADUATE BREAKFAST SESSION
CME Credits Available: 2.0

GENERAL SESSION
CHARITY, INNOVATION, and QUALITY
Moderators: *Shanda H. Blackmon, *Jeffrey P. Jacobs,
*Vinod H. Thourani

8:00 am - 8:30 am
CHARITY: Charitable Cardiothoracic Surgery
*Joseph A. Dearani
Mayo Clinic, Rochester, MN

8:30 am – 8:40 am
Open Discussion

8:40 am - 9:10 am
INNOVATION: A Conversation with a Legend:
*Duke E. Cameron
Massachusetts General Hospital, Boston, MA
Interviewed by:
Marshall L. Jacobs
Johns Hopkins Cardiac Surgery, Baltimore, MD and;
*Luca A. Vricella
University of Chicago, Chicago, IL

9:10 am – 9:20 am
Open Discussion

9:20 am – 9:50 am
QUALITY: A Surgeon Reflects on the First Four
Decades of the Quality Era
David M. Shahian
Massachusetts General Hospital, Boston, MA

9:50 am – 10:00 am
Open Discussion

10:00 am
MEETING ADJOURNED
New in 2019, scientific posters will be on display in the meeting space foyer during the course of the meeting. Stop by during a scheduled break to review the following posters:

**ADULT CARDIAC SURGERY POSTERS**

**AC-P1. Predictors of New Persistent Opioid Use After Aortic and Mitral Valve Surgery**
Kathleen Clement, Joseph Canner, Glenn Whitman, Jennifer Lawton, Michael Grant, Marc Sussman
1Johns Hopkins University School of Medicine, Baltimore, MD;
2Johns Hopkins University, Baltimore, MD; 3Johns Hopkins, Baltimore, MD

**AC-P2. Progression of Aortic Insufficiency Following Left Ventricular Assist Device Implantation: Predictors and Impact on Clinical Outcomes**
Hiroshi Kagawa, Edgar Aranda-Michel, Robert Kormos, Mary Keebler, Gavin Hickey, Yisi Wang, Michael Mathier, Arman Kilic
University of Pittsburgh Medical Center, Pittsburgh, PA

1University of Virginia, Charlottesville, VA; 2INOVA Heart and Vascular Institute, Falls Church, VA; 3Virginia Commonwealth University, Richmond, VA; 4University of Virginia Health System, Charlottesville, VA

**AC-P4. Safety of Non-Vitamin K Anticoagulants Versus Warfarin Following Cardiac Surgery Via Sternotomy**
Winborne Hamlin, Alayna Garcia, Bonnie Punske, Vincent VanBuren, Faraz Kerendi
1Cardiothoracic & Vascular Surgeons, PA, Austin, TX; 2Texas A&M College of Medicine, Bryan, TX

**AC-P5. Contemporary Trends and Midterm Outcomes in Mitral Valve Repair for Degenerative Mitral Valve Disease: Ring vs. Band**
Patrick Chan, Laura Seese, Arman Kilic, Christopher Sciortino, Ibrahim Sultan, Thomas Gleason, Danny Chu
University of Pittsburgh Medical Center, Pittsburgh, PA

**AC-P6. Are Surgeons Still Needed in Transcatheter Aortic Valve Replacement**
Spencer Melby, *Puja Kachroo, Marc Damiano, Marc Sintek, Alan Zajarias, John Lasala, Nishath Quader, Ralph Damiano, Hersh Maniar
1Washington University School of Medicine, St. Louis, MO; 2Washington University in St. Louis, St. Louis, MO

**AC-P7. Treatment Effect of Concomitant Tricuspid Valve Operation for Tricuspid Valve Regurgitation at the Time of Pericardiectomy for Constrictive Pericarditis**
Rolando Calderon-Rojas, Kevin Greason, Katherine King, Sushil Luis, Jae Oh, *John Stulak, Richard Daly, Joseph Dearani, Hartzell Schaff
Mayo Clinic, Rochester, MN

**AC-P8. Tricuspid Annuloplasty With Edge-to-Edge Repair is Effective for Severe Tricuspid Regurgitation**
1University of Virginia, Charlottesville, VA; 2University of Virginia Health System, Charlottesville, VA

**AC-P9. Partial Aortic Root Remodeling for Root Reconstruction in Patients With Acute Type A Dissection**
*Michael Carmichael, Xin Chen
1Nanjing First Hospital Heart and Vascular Institute, Nanjing, China; 2Nanjing First Hospital, Jiangsu, China

*Scientific Posters are not eligible for CME
CONGENITAL POSTERS

CONG-P1. Surgical Time of Day Does Not Negatively Impact Patient Outcomes and Hospital Resource Utilization for Congenital Heart Surgery
Ariela Zenilman1, David Blitzer2, Emile Bacha3, David Kalfa4, *Paul Chai5, *Damien LaPar6, Brett Anderson3
1Columbia Medical Center, New York, NY; 2Columbia University Medical Center, New York, NY; 3Columbia University College of Physicians and Surgeons, Well Cornell College of Medicine, New York, NY; 4Columbia University College of Physicians and Surgeons, New York, NY; 5Morgan Stanley Children’s Hospital of New York/ Columbia University Medical Center, Ridgewood, NJ

K. Barry Deatrick1, Sagar Amin2, Jean Jeudy3, Gregory Bittle1, David Morales1, *Sunjay Kaushal4
1University of Maryland, College Park, MD; 2Emory University, Atlanta, GA; 3University of Maryland School of Medicine, Baltimore, MD; 4University of Maryland Medical Center, Baltimore, MD

CONG-P3. Outcomes of Aorto-Left Ventricular Tunnel Repair for Neonates and Children
Ariela Zenilman1, David Blitzer2, Emile Bacha3, *Paul Chai4, David Kalfa3, *Damien LaPar5
1Columbia Medical Center, New York, NY; 2Columbia University Medical Center, New York, NY; 3Columbia University College of Physicians and Surgeons, Well Cornell College of Medicine, New York, NY; 4Columbia University College of Physicians and Surgeons, New York, NY; 5Columbia University College of Physicians and Surgeons, New York, NY

CONG-P4. An Operation to Repair Distant Anomalous Pulmonary Venous Drainage Using an In-Situ Pericardial Roll
Hani Najmi1, Tara Karamlou1, Munir Ahmad2, David Majdalany1, *Robert Stewart1, Saad Hasana, Gosta Pettersson1
1Cleveland Clinic, Cleveland, OH; 2Cleveland Clinic Foundation, Cleveland, OH

CONG-P5. Transdiaphragmatic Tunneled Broviac Catheters: Cost-Effective Perioperative Central Venous Access
Muhammad Owais Abdul Ghani1, Muhammad Aanish Raees1, Alan Tang2, Dhiyaa Anandan2, *Bret Mettler1, *Karla Christian1, Chevis Shannon1, *David Bichell1
1Vanderbilt University Medical Center, Nashville, TN; 2Vanderbilt University, Nashville, TN

CONG-P6. Lead Replacement in Adults With D-Transposition of the Great Arteries Treated With Mustard Procedure: A Single Center Experience
University of Texas Southwestern Medical Center, Dallas, TX

THORACIC POSTERS

GT-P1. Esophageal Gastrointestinal Stromal Tumors: Does Extent of Surgical Resection Affect Outcomes?
*Katy Marino, Emily Bond, *Mickey Ising, Jaimin Trivedi, Victor van Berkeli, Matthew Fox
University of Louisville, Louisville, KY

GT-P2. Pre-Emptive Pain Management Program Leads to Reduction of Opioid Prescriptions and Complications After Elective Pulmonary Resection
Houston Methodist Hospital, Houston, TX

GT-P3. Induction Bleomycin for Primary Mediastinal Nonseminomatous Germ Cell Tumors Does Not Increase Major Perioperative Morbidity or Mortality in Patients Undergoing Surgery for Residual Disease
Raul Caso, Gregory Jones, Darren Feldman, Samuel Funt, Sujata Patil, George Bosl, Deaglan McHugh, Dean Bajorin, Manjit Bains, *David Jones
Memorial Sloan Kettering Cancer Center, New York, NY

GT-P4. Type 2 Diabetes Is Associated With Failure of Non-Operative Treatment for Sternoclavicular Joint Infection
Shriya Reddy1, Jack Mizelle1, Helene Sterbling2, *Virginia Little1, Kei Suzuki3
1Boston University School of Medicine, Boston, MA; 2INOVA Heart and Vascular Institute, Falls Church, VA; 3Boston Medical Center, Boston, MA

GT-P5. Performance of the Surgical Risk Preoperative Assessment System (SURPAS) in Pulmonary Resection: An External Validation Study
Shi Yan1, Meier Hsu1, Kay See Tan1, Katherine Gray2, *Daniela Molena1, *Matthew Bott1, Prasad Adusumilli1, Manjit Bains1, Robert Downey1, James Huang1, Bernard Park2, Gaetano Rocco1, Valerie Rusch1, Smita Sihag1, *David Jones1, *James Isbell1
1Memorial Sloan Kettering Cancer Center, New York, NY; 2New York Presbyterian, New York, NY

*Scientific Posters are not eligible for CME
University of Alabama at Birmingham, Birmingham, AL

GT-P7. Surgical Management of Non-Small Cell Lung Cancer in the Fissure: Less Is More?
Shane Smith1, Adam Bograd2, Gal Levy2, Shu Ching Chang3, Alexander Farivar2, Ralph Aye2, Brian Louie2, Eric Vallieres2
1Swedish Medical Center, Seattle, WA; 2Swedish Cancer Institute, Seattle, WA; 3Providence St. Joseph Health, Portland, OR

GT-P8. Short and Long-Term Results of Surgical Resection of Primary Pulmonary Pleomorphic Carcinoma
Domenico Galetta, Lorenzo Spaggiari
European Institute of Oncology, Milan, Italy

PATIENT SAFETY POSTERS

PS-P1. Digital Solution for Follow-Up in Congenital Cardiac Surgery
Meena Nathan, Jacqueline O’Brien, Nitin Gujral, Vincent Chiang, Pedro del Nido
Boston Children’s Hospital, Boston, MA

SIMULATION & TEAM-BASED LEARNING POSTERS

STBL-P1. Multi-Modal Assessment of Cardiopulmonary Bypass Skills in a High-Fidelity Simulation Environment
Joshua Hermsen1, Hossein MohammadiPanah2, Kenneth Perrone2, Su Yang2, Anna Witt2, Carla Pugh2
1University of Wisconsin, Madison, WI; 2Stanford University, Stanford, CA

SURGICAL EDUCATION POSTERS

SE-P1. Cardiothoracic Surgery Interest in Surgical Residency Applicants
*Robert Dabal, Evan Garner, Zachary Burns, John Porterfield, David Mauchley, *David Cleveland, Zviadi Aburjania, Luz Padilla
University of Alabama at Birmingham, Birmingham, AL

*Scientific Posters are not eligible for CME
MEETING LOCATION
JW Marriott Marco Island Beach Resort
400 South Collier Boulevard
Marco Island, Florida 34145
(239) 394-2511

We welcome you to join STSA at the JW Marriott Marco Island Beach Resort, where a renewed sense of purpose burns long after the final sunset. With stunning new guest accommodations, new and re-imagined restaurants, and state of the art fitness and entertainment areas, you can make memories in our spectacular settings, enjoy enriching experiences, indulge in culinary masterpieces and relax and rejuvenate at our newly renovated Spa by JW. The new JW Marriott Marco Island Beach Resort offers a new dimension in luxury, and more ways than ever to work and play in Paradise.

HOTEL RESERVATIONS
A block of discounted hotel rooms is being held until Monday, October 7, 2019, provided rooms are still available in our room block. After this date, room reservations will be accepted based on availability only.

Online: Visit https://stsa.org/ and click on the direct link to the JW Marriott reservation site, where you can book your hotel reservation any time. If you'd like to specify a bed type, please enter your request in the “Additional Requests” field within the "Other Information" section while booking online.

Telephone: Contact the hotel reservations department at (800) 438-4373. 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 $289/night plus tax. A discounted resort fee of $20 (normally $30) plus tax per night will also apply, which includes resort-wide internet access, daily beach umbrella rental, unlimited local and long distance calls, two spa fitness classes daily, and access to tennis courts and golf practice facilities. A credit card is required to secure your reservation, however it will not be charged until check-out.

A very limited number of upgraded Sirene guest rooms were made available to STSA meeting attendees on a first-come, first-served basis for an additional $75 plus tax per night. These rooms are currently sold out; however, if you are interested in a Sirene guest room, it is recommended that you continue checking with the hotel directly for a cancellation in the coming months. Guests staying in the Sirene tower enjoy a private check-in experience, enhanced accommodations, complimentary daily breakfast for two, access to a private rooftop pool, beach butler service and more. Please note the Sirene tower is for guests ages 21 and over. Sirene guest rooms can be booked online or directly with hotel reservations at (800) 438-4373.

Cancellations made within seven days of arrival will result in a charge of one night’s room and tax to the credit card associated with your reservation.

Check in time is 4:00 p.m.; check out is 11:00 a.m.

CONFERENCE REGISTRATION
Register online at https://stsa.org/66thannual/ or complete and return the registration form located here: https://stsa.org/wp-content/uploads/2019/08/Registration_Form_2019_FINAL.Interactive.pdf. Early registration is available until October 7, 2019. 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.

Please be advised, the guest category is for significant others and family members only. Medical professionals are required to register separately in the appropriate designated category.

Registration and Cancellation Policy: Cancellation requests must be submitted in writing prior to October 7, 2019; unfortunately, STSA is unable to honor any subsequent requests. Refunds are subject to a $50.00 administrative fee.

GETTING AROUND MARCO ISLAND
The JW Marriott Marco Island Beach Resort is an expansive property boasting a long list of activities and attractions for the whole family. Visit the hotel’s website for a full list of things to do.

Airport Transportation
Southwest Florida International Airport (airport code RSW) is located 48 miles from the hotel, and is serviced by most major airlines. The resort does not provide shuttle service from the airport. There are several forms of ground transportation services available at the airport.

Taxi Service
Taxis are readily available at the lower level curbside, outside of baggage claim. Fares to the JW Marriott Marco Island Beach Resort are approximately $80 one way.

Shared or Private Car Service
Both Uber and Lyft service the Southwest Florida International Airport. Rides can be requested through their mobile apps; follow the instructions provided to locate your driver. Rides to the JW Marco Island Beach Resort start at $65 one way.
Super Shuttle provides ride share shuttle services for the Southwest Florida International Airport. Reservations can be made online at https://www.supershuttle.com/. Shared ride cost to the JW Marriott Marco Island Beach Resort is $86 per person one way. Groups of 8 or more can arrange for a group shuttle by visiting https://www.supershuttle.com/groups-events/get-started/.

Private car service is available through Naples Transportation and Tours (NT&T). NT&T is offering a discount for STSA attendees, with all-inclusive rates to the JW Marriott Marco Island Beach Resort starting at $123 one way. Reservations can be made online at https://nttreservations.com/stsa.php.

Car Rental
The JW Marriott Marco Island Beach Resort features an on-property Hertz rental car desk for convenient rental services. A special car rental rate has been negotiated for STSA meeting attendees. For reservations in the US and Canada call 800-654-2240; from all other locations call 405-749-4434. Reservations can also be made online at http://www.hertz.com/. Reference CV# 04R50007 when making reservations.

Parking
The JW Marriott Marco Island Beach Resort has extended a 10% discount on self-parking for STSA guests. Valet parking is $25 per day.

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

ACTIVITIES AND ENTERTAINMENT

HOSPITALITY SUITE
Thursday, November 7 – Saturday, November 9
Time: Thursday & Friday: 8:30 am – 11:00 am
Saturday: 8:30 am – 10:00 am
STSA is providing a hospitality room for your spouse or guest to mingle with other spouses and guests and to make plans for exploring Marco Island.

RESIDENTS RECEPTION
Thursday, November 7
Cost: Complimentary
Time: 6:00 pm - 7:00 pm
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 7
Cost: Complimentary
Time: 7:00 pm - 9:00 pm
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.

DINNER GALA
Friday, November 8
Reception: 7:00 pm - 7:30 pm
Dinner: 7:30 pm - 10:00 pm
Cost: $125.00 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 Dinner Gala, complete with a cocktail reception, dinner, awards and music entertainment. A local band will provide easy listening during the dinner hour. Black tie or cocktail attire is welcome; come comfortable and prepared for an evening of fun with friends, families and colleagues!

GOLF AT MARCO ISLAND
The JW Marriott Marco Island Beach Resort offers two private championship courses, The Rookery at Marco, and Hammock Bay Golf & Country Club. Both courses are a short drive away via complimentary resort shuttle. Visit the resort’s website for additional details and to reserve a tee time, outside of official STSA activities, of course!

RESORT ACTIVITIES AND LOCAL EXCURSIONS
The JW Marriott Marco Island Beach Resort features a long list of exciting and rejuvenating on-property activities. On arrival, guests will be provided with a Paradise Planner outlining the week’s activity schedule, as well as available excursions and dining options. The resort is situated directly on the beach, and offers two swimming pools, a splash park, full service spa, two fitness centers, two private championship golf courses, a state-of-the-art gaming emporium, numerous watersports and excursions that depart directly from the resort. Browse the resort’s Recreation Guide for full details and reservation information.

TIKI TRIBE
Hours: 10:00 a.m. – 3:00 p.m. Daily
Cost: $70.00 plus tax per child
This service is limited, please make reservations in advance.
The JW Marriott Marco Island Beach Resort offers a supervised children’s program for ages 5–12, complete with a variety of stimulating activities. To view a highlight video, click here. Visit the resort’s website for additional details and reservations.

CHILDCARE SERVICES
The JW Marriott Marco Island Beach Resort recommends the following childcare provider:
Nanny Poppinz
(239) 690-6495
https://www.nannypoppinz.com/