



69th Annual Meeting

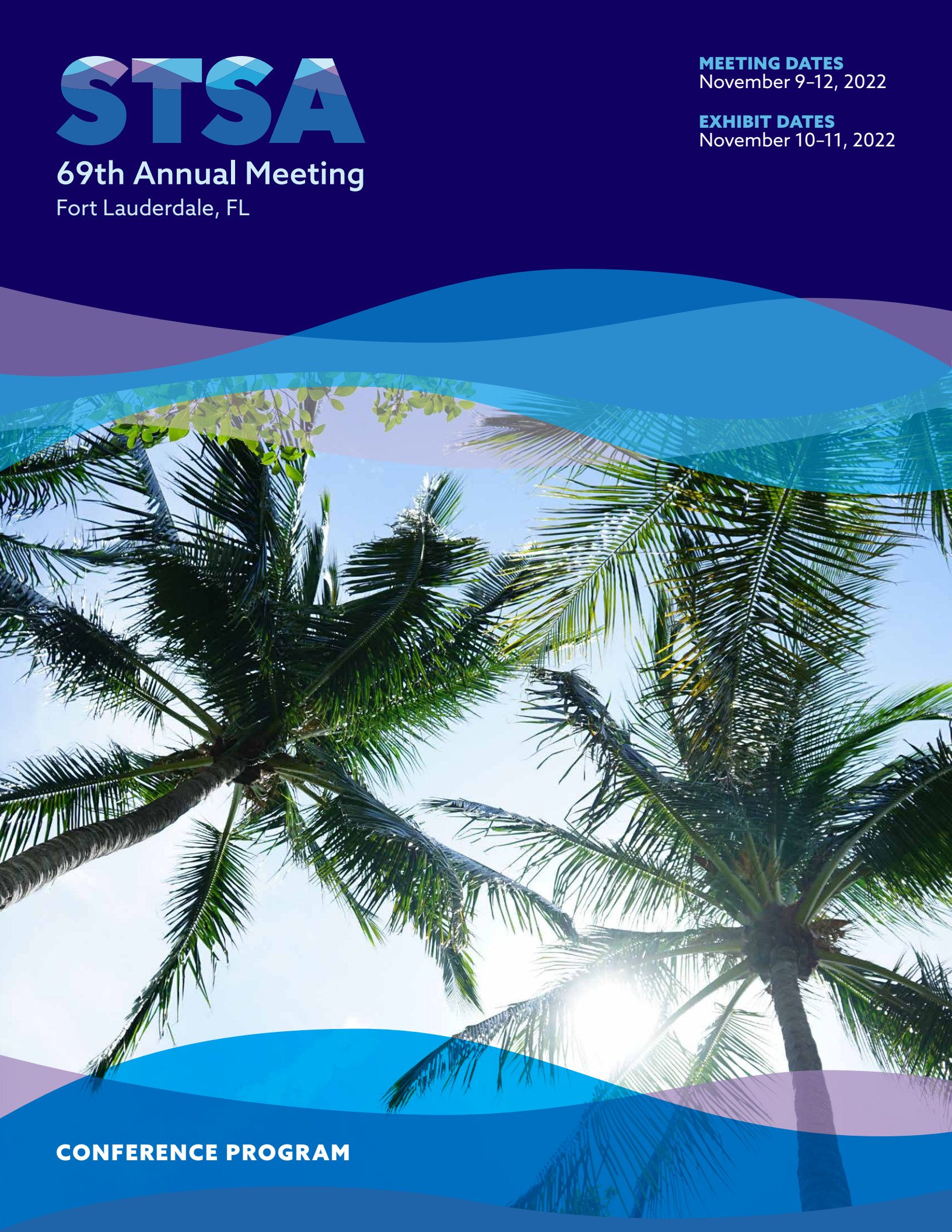
Fort Lauderdale, FL

MEETING DATES

November 9-12, 2022

EXHIBIT DATES

November 10-11, 2022

A low-angle photograph of several palm trees reaching towards a bright, clear sky. The sun is visible through the fronds, creating a lens flare effect. The image is framed by wavy, semi-transparent blue and purple overlays at the top and bottom.

CONFERENCE PROGRAM

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DEAR COLLEAGUE,

The 2022 STSA Program Committee is pleased to extend an invitation to you to attend the STSA 69th Annual Meeting, November 9-12, 2022 at the Marriott Harbor Beach Resort & Spa in Fort Lauderdale, FL.

STSA looks forward to welcoming you to the fabulous Marriott Harbor Beach Resort & Spa in Fort Lauderdale this fall. We would like to renew the collegiality with our old friends as well as make new ones, but most importantly provide a great experience for our members, their significant others, families, and friends. **Casual attire is encouraged at this year's Annual Meeting**, with the exception of the Annual Dinner Gala. The Gala remains black-tie *optional*.

Please take a few minutes to review the educational listings in this Advance Program. We are maintaining a similar, highly acclaimed schedule as 2021 with a number of new additions and even some old favorites. Wednesday Movie Night has returned! On Wednesday evening, Nov. 9, check in to the hotel, come as you are, and attend the first half of the STSA Postgraduate Program featuring video abstract presentations and interactive discussions from STSA experts, with topics for each subspecialty staggered throughout the session. The STSA Program Committee considered topic suggestions received from last year's attendees when creating the 2022 program and implemented a number of new sessions that will address the educational needs of our STSA members.

On Thursday morning, Nov. 10, the meeting will kick off with a new General Thoracic Poster Breakfast session and the Basic Science Forum, followed by a plenary session with outstanding paper presentations, including the Harold Urschel History Lecture. Thursday morning continues with the TSF/STSA Resident Research Award Presentation, the President's Invited Lecture, and the Presidential Address. The afternoon begins with simultaneous subspecialty breakout sessions with invited lectures being added as a new component. The Robert M. Sade Ethics Lectureship takes place in the afternoon.

On Friday, Nov. 11 concurrent breakout sessions will feature cardiac, thoracic, congenital and lung transplant subject matter in the morning, followed by subspecialty rapid fire abstract presentations, and a plenary session on Education, Innovation, and Excellence in CT Surgery featuring the Kent Trinkle Lecture. All sessions have been scheduled to allow for thorough and thoughtful discussion.

We are also pleased to announce that scientific posters will be a repeated educational offering this year. Be sure to review the program and stop by the poster kiosks throughout the meeting.

The meeting will conclude with the second half of the Postgraduate Program to be held Saturday morning, Nov. 12. The session will begin with a General Session opening with

a timely ABTS Update. To follow, attendees can expect to hear a lecture on How to Manage Challenging Patients and Their Caregivers. We are thrilled for the final panel interview addressing Cardiothoracic Surgeons' Career Pivot to Industry, including a highly acclaimed lineup of speakers who have made the shift from inside to outside of the operating room.

In addition to the educational sessions, don't miss this year's social events. The All Attendee Luncheon will be held on Thursday, Nov. 10, 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. 11, we invite you to join us at the Annual Dinner Gala which will feature outstanding music for all to enjoy. In addition, you will have the opportunity to hear this year's award presentations and catch up with fellow members and their families. Keep in mind that classic black-tie attire is always welcome at this event, but not required. Attendees and their guests may wear cocktail attire.

The STSA Annual Meeting is the perfect setting for STSA members, family and friends. The Marriott Harbor Beach Resort & Spa is conveniently located just 5 miles from the nearest major airport.

Make plans now to reconnect and join your STSA colleagues this November. You can register at <https://stsa.org/69thannual/>. We look forward to seeing you at the Marriott Harbor Beach Resort & Spa.

Sincerely,

STSA Program Committee



Daniel L. Miller, MD



Vinay Badhwar, MD



James St. Louis, MD

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 69th Annual Meeting program.

PROGRAM COMMITTEE

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ABSTRACT REVIEWERS

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Steven Hoff, MD
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**REGISTER TODAY AT
WWW.STSA.ORG**

THE SOCIETY OF THORACIC SURGEONS EDUCATION DISCLOSURE POLICY

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 financial relationships with any ineligible companies. This is to ensure that all decisions related to the planning, faculty selection, delivery, and evaluation of accredited education are made without any influence or involvement from the owners and employees of an ineligible company. The ACCME defines ineligible companies as those whose "primary business is producing, marketing, selling, reselling, or distributing health care products used by or on patients." The question of whether a disclosed conflict situation could represent undue influence on the educational activity by an ineligible company or whether the disclosed information is sufficient to consider an abstract, presentation, or other educational enduring material to represent potentially biased information must be mitigated prior to an individual's involvement in STS educational programming.

Required disclosures must include all financial relationships with ineligible companies in the prior 24 months. Examples of financial relationships include employee, researcher, consultant, advisor, speaker, independent contractor (including contracted research), royalties or patent beneficiary, executive role, and ownership interest. Individual stocks and stock options should be disclosed; diversified mutual funds do not need to be disclosed. Research funding from ineligible companies should be disclosed by the principal or named investigator even if that individual's institution receives the research grant and manages the funds.

Individuals who are owners or employees of ineligible companies are excluded from controlling content or participating as planners or faculty in STS educational activities. There are three exceptions to this exclusion—employees of ineligible companies can participate as planners or faculty in these specific situations:

1. When the content of the activity is not related to the business lines or products of their employer/company.
2. When the content of the accredited activity is limited to basic science research, such as preclinical research and drug discovery, or the methodologies of research, and they do not make care recommendations.
3. When they are participating as technicians to teach the safe and proper use of medical devices, and do not recommend whether or when a device is used.

Disclosure is mandatory for any person involved in the planning, management, presentation, and/or evaluation of STS educational activities. Failure to disclose all relationships with ineligible companies disqualifies the individual from being a planning committee member, a teacher, or an author of educational materials, and this individual cannot have any responsibility for the development, management, presentation, or evaluation of STS educational activities. This requirement is intended neither to imply any impropriety of such relationships nor to prejudice any individual planner, presenter or author. It is merely to identify such relationships through full disclosure, and to allow STS to assess and mitigate potential influences on the educational activity prior to the planning and implementation of an educational activity. Speakers are required to disclose that they have nothing to disclose if this is the case.

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 or (c) a new or evolving topic advocating for, or promoting, practices that are not, or not yet, adequately based on current science, evidence, and clinical reasoning 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.

All relevant financial information will be disclosed to learners before they engage with or access STS educational content and activities. 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. Disclosure to learners will include each of the following:

1. The names of the individuals with relevant financial relationships.
2. The names of the ineligible companies with which they have relationships.
3. The nature of the relationships.
4. A statement that all relevant financial relationships have been mitigated.

Disclosure to learners must not include ineligible companies' corporate or product logos, trade names, or product group messages. If applicable, the absence of relevant financial relationships with ineligible companies will also be disclosed to learners.

In order to ensure that STS educational activities are free of marketing or sales of products and services, faculty must not actively promote or sell products or services that serve their professional or financial interests during accredited education. Slides, handouts, and other materials utilized as part of an educational activity cannot contain any advertising, trade names or a product group message.

Amended by the STS Executive Committee: June 9, 2021

STSA 69th 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 providership of The Society of Thoracic Surgeons and The Southern Thoracic Surgical Association.

Accreditation Statement

The Society of Thoracic Surgeons is accredited by the ACCME to provide continuing medical education for physicians.

Designation Statement

The Society of Thoracic Surgeons designates this educational activity for a maximum of 16.50 AMA PRA Category 1 Credit(s)[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.



SCHEDULE**

WEDNESDAY, NOVEMBER 9, 2022

STSA POSTGRADUATE PROGRAM

Location: *Grand Ballroom E*

CME Credits Available: 2.00

7:00 pm – 9:00 pm

Postgraduate Program—General Session

Join us Wednesday evening for the meeting's official kick-off beginning with scientific video presentations which have returned due to their high demand! Most attendees will have just arrived at the hotel, so check in, drop your bags and join your colleagues for a "Cardiothoracic Surgery Movie Night" including videos representing all subspecialties accompanied by interactive discussion. An informal dinner and refreshments will be served in conjunction with this session.

Cardiothoracic Surgery Movie Night

Moderators:

Mark Block, Memorial Healthcare System, Hollywood, FL
Damien LaPar, UTHealth Houston Children's Heart Institute, Houston, TX

7:00 pm – 7:13 pm

PG-V1. Repair of a Large Chronic DeBakey Type II Aortic Dissection with Aortic Valve Insufficiency

Timothy James¹, Joshua Baker², Vinay Badhwar³, J. Scott Rankin³

¹St. Joseph's Medical Center, Tacoma, WA; ²Missouri Baptist Medical Center, St. Louis, MO; ³West Virginia University, Morgantown, WV

7:13 pm – 7:26 pm

PG-V2. Costal Margin Reconstruction for Complex Slipped Rib Syndrome

Adam Hansen¹, J. W. Awori Hayanga²

¹West Virginia University Heart & Vascular Institute, Bridgeport, WV; ²WVU Medicine, Morgantown, WV

7:26 pm – 7:39 pm

PG-V3. Radical Resection of Pediatric Anterior Mediastinal Atypical Spindle Cell Tumor

Damien LaPar¹, Blaz Podgorsek², Julija Dobrila², Alexis Kennedy³, Peter Chen³, Christopher Greenleaf², Jorge Salazar²

¹UTHealth Houston Children's Heart Institute, Houston, TX; ²McGovern Medical School at UTHealth, Houston, TX; ³University of Texas Health Science Center at Houston, Houston, TX

7:39 pm – 7:52 pm

PG-V4. Total Portal Linear Stapled Anastomosis During Robot Assisted Ivor Lewis Esophagectomy

Jerry Xiao¹, Ray Chihara¹, Edward Chan¹, Min Kim¹

¹Houston Methodist Hospital, Houston, TX

7:52 pm – 8:05 pm

PG-V5. Novel Repair Technique of the Insufficient Neoaortic Valve After Arterial Switch Operation with 1L 2RCx Coronary Anatomy

Megan Schultz¹, Glen Van Arsdel¹, Ming-Sing Si¹

¹UCLA, Los Angeles, CA

8:05 pm – 8:18 pm

PG-V6. Repair of Large Inferior Left Ventricular Aneurysm with Transventricular Mitral Valve Replacement

Kevin Peng¹, John Spratt², Yong Peng³, Thomas Beaver²

¹University of Florida College of Medicine, Gainesville, FL; ²University of Florida, Gainesville, FL; ³University of Florida Department of Anesthesiology, Gainesville, FL

8:18 pm – 8:31 pm

PG-V7. Robotic-Assisted Left Lower Sleeve Lobectomy in a Patient With Mucoepidermoid Carcinoma

Christopher Digesu¹, Ammara Watkins², Cameron Stock, Jr.³, Elliot Servais³

¹Beth Israel Lahey Health, Boston, MA; ²Lahey Hospital and Medical Center, Tufts University School of Medicine, Burlington, MA; ³Lahey Hospital and Medical Center, Burlington, MA

8:31 pm – 8:44 pm

PG-V8. Single Stage Neonatal Yasui Procedure in the setting of Congenitally Absent Aortic Valve and Interrupted Aortic ArchAlexander Merriman¹, Peter Kouretas¹, Naveen Swami¹, Nicole Cresalia¹, Anita Moon-Grady¹, Vadiyala Reddy¹¹University of California, San Francisco, San Francisco, CA

8:44 pm – 8:57 pm

PG-V9. Three-Dimensional Printing for Surgical Planning of Cardiac Paraganglioma ResectionPouya Hemmati¹, Juan Crestanello¹¹Mayo Clinic, Rochester, MN**THURSDAY, NOVEMBER 10, 2022****EXHIBITS OPEN**Location: *Grand Ballroom F*

10:00 am - 12:00 pm

1:00 pm - 3:30 pm

BASIC SCIENCE FORUMLocation: *Caribbean Ballroom V*

7:00 am – 7:50 am

CME Credits Available: .75

Moderators:

Matthew Bott, Memorial Sloan Kettering Cancer Center, New York, NY

Ray Chihara, Houston Methodist Hospital, Houston, TX

Resident Moderator:

Kristen Walker, University of Florida, Gainesville, FL

7:00 am – 7:10 am

1B. Thymoma Metabolic Signatures: Discovery of Potential Biomarkers and Treatment TargetsJames Miller¹, John Waters¹, Brandon Faubert², Ralph J. Deberardinis³, Kemp Kernstine, Sr.³¹University of Texas Southwestern Medical Center, Dallas, TX;²University of Chicago, Chicago, IL; ³UT Southwestern Medical Center, Dallas, TX

7:10 am – 7:20 am

2B. Comparison of Different Porcine Models Simulating Myocardial Cold Ischemia of the Pediatric Donor HeartYuriy Stukov¹, Mark Bleiweis¹, Giles Peek¹, Jeffrey Jacobs¹¹University of Florida, Gainesville, FL

7:20 am – 7:30 am

3B. Gender Specific Effects of Body Composition On Intra-Tumoral Proliferation and Inflammation In Non-Small Cell Lung CancerYeshwanth Reddy Vedire¹, R.J. Seager¹, Grace Dy¹, Joseph Barbi¹, Erik Van Roey², Shuang Gao², Mary K. Nesline², Jeffrey M. Conroy², Sai Yendamuri³, Sarabjot Pabla²¹Roswell Park Comprehensive Cancer Center, Buffalo, NY;²OmniSeq, Inc., Buffalo, NY; ³Roswell Park Cancer Institute, Buffalo, NY

7:30 am – 7:40 am

Invited Lecture**Targeted Therapy for Lung Cancer: Where are We Going?**

David Harpole

Duke University Medical Center, Durham, NC

7:40 am – 7:50 am

Open Discussion

New

GENERAL THORACIC POSTER BREAKFAST SESSIONLocation: *Caribbean Ballroom IV*

7:00 am – 7:50 am

CME Credits Available: .75

Moderators:

Kumari Adams, IHA Cardiovascular & Thoracic Surgery - St. Joseph Mercy Hospital, Ypsilanti, MI

Erin Gillaspie, Vanderbilt University Medical Center, Nashville, TN

Resident Moderator:

Katherine Gray, Memorial Sloan Kettering Cancer Center, New York, NY

7:00 am – 7:05 am

GTPS-1. Intercostal Nerve Cryoablation After Video-Assisted Thoracic Pulmonary Resection Can Decrease Post-Operative Opioid UseConor Maxwell¹, Benny Weksler¹, Joseph Houda¹, Hiran Fernando¹¹Allegheny Health Network, Pittsburgh, PA

7:05 am – 7:10 am

GTPS-2. Cutting Costs for Robotic Lobectomy: Evaluating the Impact of Facility Annual Volume on Total Cost of Care in a Retrospective CohortMitchell Bryski¹, Eric Etchill¹, Iulia Barbur¹, Benjamin Shou¹, Stephen Yang²¹Johns Hopkins School of Medicine, Baltimore, MD; ²Johns Hopkins Medical Institutions, Baltimore, MD

7:10 am – 7:15 am

GTPS-3. Evolving Anastomotic Techniques in Minimally Invasive Ivor-Lewis EsophagectomyLise Tchouta¹, Bianca Bromberger¹, Joshua Sonett¹, Lyall Gorenstein¹, Marc Bessler²¹Columbia University Medical Center, New York, NY;²Columbia University Irving Medical Center, New York City, NY

7:15 am – 7:20 am

GTPS-4. Enhancing The Student Shadowing Experience: An Indispensable Opportunity for RecruitmentJarvis Mays¹, Alexandra Sperry², Jason Han³, Lena Trager⁴, Edgar Aranda-Michel⁵, Mary Siki⁶, John Kelly⁷, Mark R. Helmers⁸, Amit Iyengar⁹, Marisa Cevalco¹⁰¹Perelman School of Medicine, University of Pennsylvania, Philadelphia, PA; ²Division of Cardiovascular Surgery, Department of Surgery, University of Pennsylvania, Philadelphia, PA; ³Hospital of the University of Pennsylvania, Philadelphia, PA; ⁴University of Minnesota Medical School, Minneapolis, MN; ⁵University of Pittsburgh Medical Center, Pittsburgh, PA; ⁶The Tulane University School of Medicine, Tulane University, New Orleans, LA; ⁷Division of Cardiovascular Surgery, University of Pennsylvania, Philadelphia, PA; ⁸University of Pennsylvania, Philadelphia, PA; ⁹Division of Cardiovascular Surgery, University of Pennsylvania; ¹⁰The Hospital of the University of Pennsylvania, Philadelphia, PA

7:20 am – 7:25 am

GTPS-5. Comparable Outcomes for Patients Undergoing Lung Transplantation With Early Stage Lung CancerConnor Spies¹, Timothy Ochoa¹, Chelsea Harris¹, Laurie Snyder¹, Elizabeth Pavlisko², Matthew Hartwig¹¹Duke University, Durham, NC; ²Duke Health, Durham, NC

7:25 am – 7:30 am

GTPS-6. Awake, Non-Intubated, Video Assisted Thoracoscopic Surgery: Early ExperienceMatthew Wheelwright¹, Ilitch Diaz-Gutierrez¹, Amit Bhargava¹, Rafael Andrade¹, Madhuri Rao¹¹University of Minnesota, Minneapolis, MN

7:30 am – 7:35 am

GTPS-7. Surgical Approach in the Treatment of Pneumothorax: Improved Clinical Outcomes With PleurectomyNiyi Odewade¹, Tyler Lockard², Hugh Auchincloss²¹Harvard Medical School / Mass General Hospital, Cambridge, MA; ²Massachusetts General Hospital, Boston, MA

7:35 am – 7:40 am

GTPS-8. Thoracic Surgeons' Views on Clinical Ethics Education and Clinical Ethics ConsultantsJohn Nabagiez¹¹Albany Medical College, Albany, NY

7:40 am – 7:45 am

GTPS-9. Effect of Environmental Exposures and Never-Smoker Status on Survival Following Non-Small Cell Lung Cancer ResectionRahul Chandwani¹, Cole Brokamp², Hai Salfity³, Sandra Starnes¹, Robert Van Haren¹¹University of Cincinnati College of Medicine, Cincinnati, OH;²Cincinnati Children's Hospital Medical Center, Cincinnati, OH;³University of Cincinnati Medical Center, Cincinnati, OH

7:45 am – 7:50 am

GTPS-10. Customized 3D Printed Nuss Bar Molds for Repair of Pectus ExcavatumRaffaele Rocco¹, Janani Reisenauer¹, Jonathan Morris¹, Adam Wentworth¹, Dennis Wigle¹¹Mayo Clinic, Rochester, MN

7:50 am – 8:00 am

BREAK**FIRST SCIENTIFIC SESSION****Location: Grand Ballroom E**

8:00 am – 10:30 am

CME Credits Available: 2.50

Moderators:

Jeffrey Jacobs, University of Florida, Gainesville, FL

Daniel Miller, Medical College of Georgia, Augusta University, Augusta, GA

Vinod Thourani, Piedmont Heart Institute, Atlanta, GA

Stephen Yang, Johns Hopkins Medical Institutions, Baltimore, MD

8:00 am – 8:15 am

1. Risk of Permanent Pacemaker Implantation After Degenerative Mitral and Concomitant Tricuspid Valve SurgeryAlexander Brescia¹, Tessa Watt¹, Catherine Wagner², Robert Hawkins¹, China Green¹, Matthew Romano¹, Steven Bolling¹, Gorav Ailawadi¹¹University of Michigan, Ann Arbor, MI; ²Michigan Medicine, Ann Arbor, MI**Discussant:** TBD

8:15 am – 8:30 am

2. An Analysis of 186 Patients With Pediatric and/or Congenital Heart Disease Undergoing Cardiac Transplantation: The Impact of Pre-Transplant Ventricular Assist Device

Mark Bleiweis¹, Yuriy Stuko¹, Joseph Philip¹, F. Fricker¹, Giles Peek¹, Dipankar Gupta¹, Renata Shih¹, Bill Pietra¹, Kevin Sullivan¹, Omar Sharaf¹, Connie Nixon¹, Dan Neal¹, Jeffrey Jacobs¹

¹University of Florida, Gainesville, FL

Discussant: Iki Adachi, Texas Children's Hospital, Houston, TX

8:30 am – 8:45 am

3. Advancing the Treatment Paradigm for Patients with Multivessel Coronary Disease: Long-Term Outcomes After Hybrid Coronary Revascularization

Parth Patel¹, Ryon Arrington², Amalia Jonsson², Jane Wei², Jose Binongo³, Chandan Devireddy², Michael Halkos²

¹Emory University School of Medicine, Atlanta, GA; ²Emory University, Atlanta, GA; ³Rollins School of Public Health, Atlanta, GA

Discussant: Joseph Sabik, University Hospitals Cleveland Medical Center, Cleveland, OH

8:45 am – 9:00 am

4. Impact of Ventricular Dominance on Outcomes after Fontan Palliation: A 25-year Analysis from a Single Institution

Steven Thornton¹, Neel Prabhu², James Meza², Lillian Kang³, Mary Moya-Mendez¹, Lauren Parker¹, Joseph Turek¹, Nicholas Andersen¹

¹Duke University School of Medicine, Durham, NC; ²Duke University Medical Center, Durham, NC; ³Duke University, Durham, NC

Discussant: Joseph Dearani, Mayo Clinic, Rochester, MN

9:00 am – 9:15 am

5. Outcomes in Stereotactic Body Radiation Therapy and Wedge Resection in Octogenarian Patients: A Propensity-Score Matched Study

Rolfy Perez Holguin¹, William Wong¹, Chan Shen², Matthew Taylor¹, Michael Reed¹, Pauline Go¹

¹Penn State Health Milton S. Hershey Medical Center, Hershey, PA; ²Penn State College of Medicine, Hershey, PA

Discussant: TBD

9:15 am – 9:30 am

6. Septal Myectomy Outcomes in 199 Children and Adolescents with Obstructive Hypertrophic Cardiomyopathy

Elaine Griffeth¹, Elizabeth Stephens¹, Hartzell Schaff¹, Michael Ackerman¹, Jonathan Johnson¹, Bryan Cannon¹, Joseph Dearani¹

¹Mayo Clinic, Rochester, MN

Discussant: James St. Louis, Augusta University, Augusta, GA

9:30 am – 9:45 am

7. Machine Learning Guided Cytologic Optical Visualization with Deep Neural Network Optimized Device Predicts Malignancy Potential of Indeterminate Solitary Pulmonary Nodules

Feredun Azari¹, Gregory Kennedy¹, Bilal Nadeem², Ashley Chang², Sardar Azari², John Kucharczuk¹, Sunil Singhal¹

¹Hospital of the University of Pennsylvania, Philadelphia, PA;

²University of Pennsylvania, Philadelphia, PA

Discussant: TBD

9:45 am – 10:00 am

8. Long-Term Results of Stentless Aortic Valve Replacement in 2,000 Patients Over 20 Years

Craig Jarrett¹, Marc Pelletier², Yasir Abu-Omar², Cristian Baeza³, Yakov Elgudin¹, Kelsey Gray², Omar Hussian², Pablo Ruda Vega², Gregory Rushing², Joseph Sabik¹, Alan Markowitz¹

¹University Hospitals Cleveland, Cleveland, OH; ²University Hospitals Cleveland Medical Center; Cleveland, OH

Discussant: Ourania Preventza, Baylor College of Medicine, Houston, TX

10:00 am – 10:15 am

9. Hospital Level Segregation Among Medicare Beneficiaries Undergoing Esophagectomy and Lung Cancer Resection

Sidra Bonner¹, Nicholas Kunnath¹, Justin Dimick¹, Andrew Ibrahim¹, Kiran Lagisetty²

¹University of Michigan, Ann Arbor, MI; ²University of Michigan Health System, Ann Arbor, MI

Discussant: TBD

Harold Urschel History Lectureship

Location: Grand Ballroom E

(final presentation of the First Scientific Session)

Moderator:

Constantine Mavroudis, Ascension Medical Group,
Indianapolis, IN

10:15 am – 10:30 am

10. Alton Ochsner, Sr., King of Carnival... and Lung Cancer

Nathan Zwintscher¹

¹William Beaumont Army Medical Center, El Paso, TX

10:30 am – 11:00 am

BREAK – VISIT EXHIBITS

Location: Grand Ballroom F

STS CT Surgery Masters Showdown, Round 1

GENERAL SESSION

Location: Grand Ballroom E

11:00 am – 12:00 pm

CME Credits Available: 1.0

Moderators:

Daniel Miller, Medical College of Georgia, Augusta University,
Augusta, GA

Stephen Yang, Johns Hopkins Medical Institutions,
Baltimore, MD

11:00 am – 11:05 am

TSF/STSA Resident Research Award Recipient Presentation

The leadership of the STSA would like to highlight the 2022 recipient of the TSF/STSA Resident Research Award. The award recipient will be allotted time to briefly discuss their research project.

2022 STSA Resident Research Award

The Delivery of PD-L1 to Lung Allograft During Static Cold Storage Using an AAV-Based Gene Therapy

Qimeng Gao, Duke University Medical Center, Durham, NC

11:05 am – 11:25 am

President's Invited Lecturer

The White Ribbon Project

Chris Draft

11:25 am – 12:00 pm

Presidential Address

Is Surgery Still a Contact Sport?

Daniel L. Miller, Medical College of Georgia, Augusta University, Augusta, GA

12:00 pm – 1:00 pm

All Attendee Luncheon

Location: Oceanview Terrace (weather permitting)

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

1:00 pm – 1:30 pm

BREAK – VISIT EXHIBITS

Location: Grand Ballroom F

STS CT Surgery Masters Showdown, Round 2

SECOND SCIENTIFIC SESSION

Simultaneous Adult Cardiac, Thoracic and Congenital Breakout Sessions

1:30 pm – 2:30 pm

CME Credits Available: 1.0

Adult Cardiac Breakout

Location: Grand Ballroom E

Moderators:

Anthony Estrera, McGovern Medical School at UTHealth,
Houston, TX

Kendra Grubb, Emory University, Atlanta, GA

Resident Moderator:

Jennifer Perri, Duke University, Durham, NC

1:30 pm – 1:37 pm

11. Feasibility of Transcatheter Aortic Valve Replacement Before and After Lung Transplantation

Mujtaba Mubashir¹, Usman Ahmad², Mir Shanaz Hossain¹, Haytham Elgharably¹, Patrick Vargo¹, Daniel J. P. Burns¹, Marie Budev², Rishi Puri¹, Grant Reed¹, Amar Krishnaswamy¹, Kenneth McCurry², Shinya Unai¹, Samir Kapadia¹, James Yun²

¹Cleveland Clinic, Cleveland, OH; ²Cleveland Clinic Foundation, Cleveland, OH

Discussant: TBD

1:39 pm – 1:46 pm

12. Long-Term Outcomes of Aortic Valve Replacement with the Same Stented Bioprosthesis in Patients With Tricuspid versus Bicuspid Aortic Valve

Alexander Makkinejad¹, Xiaoting Wu², Karen Kim², Shinichi Fukuhara², Himanshu Patel², Bo Yang²

¹University of South Florida Morsani College of Medicine, Tampa, FL; ²University of Michigan, Ann Arbor, MI

Discussant: TBD

1:48 pm – 1:55 pm

13. Nationwide Comparison of Temporal Trends in Incidence and Outcomes of Permanent Pacemaker Insertion After Surgical Versus Transcatheter Aortic Valve Replacement

Craig Jarrett¹, Cristian Baeza², Gregory Rushing², Kelsey Gray², Omar Hussian², Yasir Abu-Omar², Yakov Elgudin¹, Alan Markowitz¹, Pablo Ruda Vega², Joseph Sabik¹, Marc Pelletier²

¹University Hospitals Cleveland, Cleveland, OH; ²University Hospitals Cleveland Medical Center, Cleveland, OH

Discussant: Karen Kim, University of Michigan, Ann Arbor, MI

1:57 pm – 2:07 pm

Invited Lecture**Transcatheter vs. Surgical Therapy for Aortic Valve Disease: Is Pendulum Swinging?**

Michael Mack, Baylor Health Care System - The Heart Hospital
Baylor Plano, Plano, TX

2:09 pm – 2:30 pm

Open Discussion**Thoracic: Esophagus Breakout****Location: Caribbean Ballroom IV****Moderators:**

Shanda Blackmon, Mayo Clinic, Rochester, MN

Daniela Molena, Memorial Sloan Kettering Cancer Center, New York, NY

Resident Moderator:

Nicolas Contreras-Peraza, University of Utah, Salt Lake City, UT

1:30 pm – 1:37 pm

14. Esophageal and Gastroesophageal Junction Adenocarcinoma Arising in the Absence of Intestinal Metaplasia

Katherine Gray¹, Thomas Boerner¹, Caitlin Harrington¹, Pari Shah¹, Hans Gerdes¹, Matthew Bott¹, James Isbell¹, Bernard Park¹, David Jones¹, Smita Sihag¹, Daniela Molena¹

¹Memorial Sloan Kettering Cancer Center, New York, NY

Discussant: Wayne Hofstetter, University of Texas, MD Anderson Cancer Center, Houston, TX

1:39 pm – 1:46 pm

15. Outcomes After Double Stapled Versus Single Posterior Stapled Anastomotic Technique in Esophagectomy

Caroline Godfrey¹, Hannah Marmor¹, Sigrid Johannesen¹, Erin Wolf Horrell¹, Eric Lambright¹, Erin Gillaspie¹, Caitlin Demarest¹, Stephen Deppen¹, Jonathan Nesbitt¹, Eric Grogan¹

¹Vanderbilt University Medical Center, Nashville, TN

Discussant: Katie Nason, UMMS - Baystate Health, Springfield, MA

1:48 pm – 1:55 pm

16. The Impact of Food Insecurity on the Surgical Management and Survival of Stage I-III Esophageal Cancer

Marianna Papageorge¹, Alexandra Potter², Hugh Auchincloss², Uma Sachdeva², Chi-Fu Yang², Lana Schumacher²

¹Yale University School of Medicine, Boston, MA;

²Massachusetts General Hospital, Boston, MA

Discussant: Stephanie Worrell, University of Arizona Health Sciences, Tucson, AZ

1:57 pm – 2:07 pm

Invited Lecture**Minimally Invasive vs. Open Esophagectomy: Where are We Going and Why?**

Allan Pickens, Emory University, Atlanta, GA

2:09 pm – 2:30 pm

Open Discussion**Congenital Breakout****Location: Caribbean Ballroom V****Moderators:**

Kristine Guleserian, Medical City Children's Hospital, Dallas, TX

Christopher Mascio, West Virginia University, Morgantown, VA

Resident Moderator:

Brian Bateson, University of Louisville, Louisville, KY

1:30 pm – 1:37 pm

17. Long-term Outcomes With Expanded-Polytetrafluoroethylene Valved Conduits (ePTFE VC) for Right Ventricular Outflow Tract Reconstruction (RVOTR) in Pediatric Patients

Yoshio Otaki (Ootaki)¹, Inder Mehta², Michael Walsh³, Ross Ungerleider⁴

¹Oregon Health Science University, Portland, OR; ²Ochsner Clinic Foundation/Medical Center; New Orleans, LA; ³Atrium Health Wake Forest Baptist, Winston Salem, NC; ⁴UNC School of Medicine, Chapel Hill, NC

Discussant: Mark Plunkett, The Children's Hospital of Illinois and The University of Illinois College of Medicine, Peoria, IL

1:39 pm – 1:46 pm

18. The Textbook Outcome for Norwood Operations

Neel Prabhu¹, Joseph Nellis¹, Mary Moya-Mendez², Anna Hoover¹, Cathlyn Medina¹, James Meza¹, Nicholas Andersen², Joseph Turek²

¹Duke University Medical Center, Durham, NC; ²Duke University School of Medicine, Durham, NC

Discussant: Richard Ohye, University of Michigan, Ann Arbor, MI



1:48 pm – 1:55 pm

19. RVOT Reconstruction After Ross Procedure: Comparison Between PTFE vs Homograft Conduits

Carlos Diaz-Castrillon¹, Mario Castro-Medina², Melita Viegas², Kristian Punu³, Shwetabh Tarun³, Luciana Da Fonseca Da Silva², Jacqueline Kreutzer⁴, Victor Morell²

¹University of Pittsburgh Medical Center, Pittsburgh, PA;

²UPMC Children's Hospital of Pittsburgh, Pittsburgh, PA;

³University of Pittsburgh, Pittsburgh, PA

Discussant: TBD

1:57 pm – 2:07 pm

Invited Lecture

New Developments in RVOT Reconstruction

James Quintessenza, Johns Hopkins All Children's Hospital, Saint Petersburg, FL

2:09 pm – 2:30 pm

Open Discussion

2:30 pm – 2:45 pm

BREAK – VISIT EXHIBITS

Location: Grand Ballroom F

ROBERT M. SADE ETHICS LECTURESHIP

Location: Grand Ballroom E

2:45 pm – 3:45 pm

CME Credits Available: 1.0

Moderator:

Robert M. Sade, Medical University of South Carolina, Charleston, SC

2:45 pm – 2:50 pm

Introduction: Outside the Boundaries of Professionalism in Surgery

Robert M. Sade, Medical University of South Carolina, Charleston, SC

2:50 pm – 3:00 pm

Looking in a Mirror: Surgeon Self-Appraisal Using Data

Richard Prager, University of Michigan, Ann Arbor, MI

3:00 pm – 3:10 pm

The Inadequacy of Hospital Peer Review: Observations from the Trenches

Robbin Cohen, University of Southern California, Los Angeles, CA

3:10 pm – 3:20 pm

Dealing With Unprofessional Physician Behavior: the "Cup of Coffee" Approach

G. Michael Deeb, University of Michigan, Ann Arbor, MI

3:20 pm – 3:30 pm

Pursuing Professionalism in a Crisis: Lessons from the Pandemic

William Cooper, Vanderbilt University Medical Center, Nashville, TN

3:30 pm – 3:45 pm

Panel Discussion and Audience Q&A

THIRD SCIENTIFIC SESSION

Location: Grand Ballroom E

3:45 pm – 5:00 pm

CME Credits Available: 1.25

Moderators:

Vinay Badhwar, West Virginia University, Morgantown, VA

James St. Louis, Children Hospital of Georgia, Augusta, GA

Resident Moderator:

Barbara Hamilton, University of Michigan, Ann Arbor, MI

3:45 pm – 3:54 pm

20. Early Career Experiences of Cardiothoracic Surgery Graduates by Training Paradigm: A National Survey

Dane Paneitz¹, **Stanley Wolfe**¹, **David Blitzer**², **Jason J. Han**³, **Alexander Brescia**⁴, **Thoralf Sundt**¹, **Jordan Bloom**¹

¹Massachusetts General Hospital, Boston, MA; ²Columbia

University Medical Center, New York, NY; ³Hospital of the

University of Pennsylvania, Philadelphia, PA; ⁴University of Michigan, Ann Arbor, MI

Discussant: **Mara Antonoff**, UT MD Anderson Cancer Center, Houston, TX

3:54 pm – 4:03 pm

21. Does Timing of Mitral Valve Intervention Impact Development of Pulmonary Hypertension in Patients With Shone's Syndrome?Miza Salim Hammoud¹, Dominique Tucker², Sohini Gupta¹, Hiba Ghandour¹, Munir Ahmad¹, Hani Najm¹, Tara Karamlou¹¹Cleveland Clinic, Cleveland, OH; ²Case Western Reserve University, Cleveland, OH**Discussant:** TBD

4:03 pm – 4:12 pm

22. Off-Hours ICU Transfer Is Associated With Increased Mortality and Failure To RescueAndrew Young¹, Ray Strobel, Ashley Zhang², Evan Rotar³, James Mehaffey³, Leora Yarboro³, Kenan Yount³, Matthew Hulse⁴, *Nicholas Teman³¹UVA Department of Surgery, Charlottesville, VA; ²UVA School of Medicine, Charlottesville, VA; ³University of Virginia, Charlottesville, VA; ⁴UVA Department of Anesthesiology and Critical Care Medicine, Charlottesville, VA**Discussant:** Jennifer Lawton, Johns Hopkins, Baltimore, MD

4:12 pm – 4:21 pm

23. Outcomes of Non-Emergent Cardiac Operations Following Overnight Operations: A Statewide ExperienceTyler Bauer¹, Michael Pienta¹, Xiaoting Wu¹, Michael Thompson¹, Robert Hawkins², Alphonse DeLucia, III³, Andrew Pruitt¹, Francis Pagani¹, Donald S. Likosky¹¹University of Michigan, Ann Arbor, MI; ²University of Virginia, Charlottesville, VA; ³Bronson Methodist Hospital, Kalamazoo, MI**Discussant:** Ezequiel Molina, MedStar Heart and Vascular Institute - Medstar Washington Hospital Center, Washington, DC

4:21 pm – 4:30 pm

24. Socioeconomic Status Impacts Readmission After Coronary Artery Bypass Grafting: An Analysis of 485,957 Patients in the National Readmission DatabasePaige Brlecic¹, Christopher Sylvester², Christopher Ryan², Katie Hogan², Joseph Coselli³, Marc Moon³, Todd Rosengart¹, Subhasis Chatterjee¹, Ravi Ghanta²¹Baylor College of Medicine, Houston, TX; ²Baylor College of Medicine, Medical Scientist Training Program, Houston, TX; ³Baylor College of Medicine/Texas Heart Institute, Houston, TX**Discussant:** J. Hunter Mehaffey, West Virginia University, Morgantown, WV

4:30 pm – 4:39 pm

25. Demographic Trends Among Integrated Cardiothoracic Surgery Residents Compared To Other Surgical SubspecialtiesLauren Bougioukas¹, Adrian Berg¹, Alyssa Heiser¹, Peter Callas¹, Marek Polomsky², Fuyuki Hirashima²¹The Robert Larner, M.D. College of Medicine at The University of Vermont, Burlington, VT ²Department of Surgery, Division of Cardiothoracic Surgery, University of Vermont Medical Center, Burlington, VT**Discussant:** Christopher Mascio, WVU Medicine Children's Hospital, Morgantown, WV

4:39 pm – 4:48 pm

26. Is Race Impacting Donor Utilization in Heart Transplantation?Jason Greenberg¹, Spencer Hogue¹, Kyle W. Riggs², Samuel Wittekind¹, Clifford Chin¹, David Lehenbauer³, Farhan Zafar¹, David Morales¹¹Cincinnati Children's Hospital Medical Center, Cincinnati, OH; ²Division of Cardiothoracic Surgery, Department of Pediatrics, Steven and Alexandra Cohen Children's Medical Center, New Hyde Park, New York; ³Cincinnati Children's Hospital, Cincinnati, OH**Discussant:** Robert Higgins, Brigham and Women's Hospital, Boston, MA

4:48 pm – 4:57 pm

27. Long-Term Survivors From Esophagectomy Continue to Struggle With Symptoms Even After They are Cured From Esophageal CancerMohamad K. Abou Chaar¹, Anny Godin², Sahar Saddoughi¹, Jason Viehman¹, Kathleen Yost¹, Minji Lee¹, Aminah Jatoi¹, Linda Chlan¹, Karlyn Pierson¹, Kathryn Ruddy¹, Shanda Blackmon¹¹Mayo Clinic, Rochester, MN; ²Université de Montréal, Montréal, Quebec, Canada**Discussant:** Onkar Khullar, Emory University, Atlanta, GA**Residents Reception****Location:** Riva Terrace

6:00 pm – 7:00 pm

President's Mixer**Location:** Oceanview Terrace

7:00 pm – 9:00 pm

FRIDAY, NOVEMBER 11, 2022

EXHIBITS OPEN

Location: *Grand Ballroom F*

8:00 am – 12:00 pm

1:00 pm – 3:00 pm

FOURTH SCIENTIFIC SESSION

Simultaneous Cardiac, Thoracic, Congenital and Lung Transplant Breakout Sessions

7:00 am – 8:30 am

CME Credits Available: 1.5

Adult Cardiac Breakout

Location: *Grand Ballroom E*

Moderators:

Ezequiel Molina, *MedStar Heart and Vascular Institute – Medstar Washington Hospital Center, Washington, DC*

Tom Nguyen, *University of California San Francisco, San Francisco, CA*

Resident Moderator:

Ali Darehzereshki, *UCLA, Los Angeles, CA*

7:00 am – 7:12 am

28. Sternotomy Versus Right Mini-Thoracotomy for Redo Mitral Surgery: Propensity Score Analysis of 704 Patients – Early Mortality Benefit of Right Mini-Thoracotomy is Maintained at 5 Years

Brittany Zwischenberger¹, **Donald Glower**¹, **Jeffrey Gaca**², **Carmelo Milano**², **Riana Syed**¹

¹Duke University Medical Center, Durham, NC; ²Duke University, Durham, NC

Discussant: Rob Smith, *Baylor Scott and White: The Heart Hospital Plano, Plano, TX*

7:12 am – 7:24 am

29V. Complex Robotic Mitral Valve Redo Repair After Failed Transcatheter Edge-to-Edge Repair

Thomas DeLay, Jr.¹, **Clifton Lewis**², **Richard Stephens**², **Panayotis Vardas**²

¹UAB School of Medicine, Birmingham, AL; ²University of Alabama at Birmingham, Birmingham, AL

7:24 am – 7:36 am

30. Surgical Outcomes of Prohibitive Risk Patients “Reconsidered” for Surgery After Being Ineligible for Transcatheter Mitral or Tricuspid Valve Therapies

Catherine Wagner¹, **Alexander Brescia**², **Mia Schatz**², **Rhea Gupta**², **Gurnoordeep Pawar**², **Nicolas Ceniza**², **Robert Hawkins**², **Matthew Romano**², **Gorav Ailawadi**², **Steven Bolling**²

¹Michigan Medicine, Ann Arbor, MI; ²University of Michigan, Ann Arbor, MI

Discussant: Vinod Thourani, *Piedmont Heart Institute, Atlanta, GA*

7:36 am – 7:48 am

31. Concomitant Tricuspid Valve Surgery in Patients With Moderate Tricuspid Regurgitation

Paige Newell¹, **Jake Awtry**¹, **Sameer Hirji**¹, **Hoda Javadikasgari**¹, **Siobhan McGurk**¹, **Ashraf Sabe**¹, **Sary Aranki**, **Tsuyoshi Kaneko**¹

¹Brigham and Women's Hospital, Boston, MA

Discussant: TBD

7:50 am – 8:00 am

Invited Lecture

How I Do Robotic Mitral Tricuspid

Vinay Badhwar, *West Virginia University, Morgantown, VA*



8:00 am – 8:10 am

Invited Lecture**Concomitant Tricuspid Valve Repair: Risks and Rewards**

Michael Chu, Western University, London, Ontario, Canada

8:10 am – 8:30 am

Open Discussion**Thoracic Breakout****Location: Caribbean Ballroom IV****Moderators:**

Onkar Khullar, Emory University, Atlanta, GA

Allan Pickens, Emory University Hospital, Atlanta, GA

Resident Moderator:

Thaniyyah Ahmad, John's Hopkins Hospitals, Baltimore, MD

7:00 am – 7:12 am

32. Outcomes and Predictors of Survival for Tracheal CancerNidhi Desai¹, Benjamin Zambetti¹, Denise Wong¹, Aubrey Schachter¹, Nathan Judge¹, Ganpat Valaulikar¹, Thomas Ng²¹UTHSC, Memphis, TN; ²University of Tennessee Health Science Center College of Medicine, Memphis, TN**Discussant:** John Kuckelman, Brigham and Women's Hospital, Boston, MA

7:12 am – 7:24 am

33. Prognosis of Unresected Versus Resected Small Pulmonary Carcinoid TumorsSiena Roat-Shumway¹, Celsa Tonelli², Frederick Luchette², Marshall Baker², Zaid Abdelsattar²¹Loyola University Chicago Stritch School of Medicine, Maywood, IL; ²Loyola University Medical Center, Maywood, IL**Discussant:** TBD

7:24 am – 7:36 am

34. 5-Year Sustained Impact of a Thoracic Enhanced Recovery After Surgery ProgramAndrew Young¹, Sindri Viktorsson¹, Ray Strobel¹, Evan Rotar², Christopher Cramer², Christopher Scott², Philip Carrott, Jr.², Randal Blank², Linda Martin³¹UVA Department of Surgery, Charlottesville, VA; ²University of Virginia, Charlottesville, VA; ³University of Virginia Health System, Charlottesville, VA**Discussant:** Robert Cerfolio, NYU Langone Health, New York, NY

7:36 am – 7:48 am

35. Surgical Resection In Patients With Second Primary Lung Malignancy After Head and Neck CancerJohn Kennedy, III¹, Elise Hogan², Hai Salfity¹, Robert Van Haren², Sandra Starnes²¹University of Cincinnati Medical Center, Cincinnati, OH;²University of Cincinnati College of Medicine, Cincinnati, OH**Discussant:** Jason Long, University of North Carolina at Chapel Hill, Chapel Hill, NC

7:48 am – 8:00 am

36. Wedge Resection With Intraoperative Lymph Node Evaluation is Associated With Similar Survival as Lobectomy in Younger Patients With Stage I Lepidic AdenocarcinomaCamille Mathey-Andrews¹, Una Roven¹, Alexandra Potter¹, Jorind Beqari¹, Lana Schumacher¹, Uma Sachdeva¹, Chi-Fu Yang¹, Hugh Auchincloss¹¹Massachusetts General Hospital, Boston, MA**Discussant:** TBD

8:00 am – 8:10 am

Invited Lecture**Segmentectomy vs. Lobectomy for Primary Lung Cancer**

David Jones, Memorial Sloan Kettering Cancer Center, New York, NY

8:10 am – 8:30 am

Open Discussion**Congenital Breakout****Location: Caribbean Ballroom V****Moderators:**

Jennifer Nelson, Nemours Children's Hospital, Orlando, FL

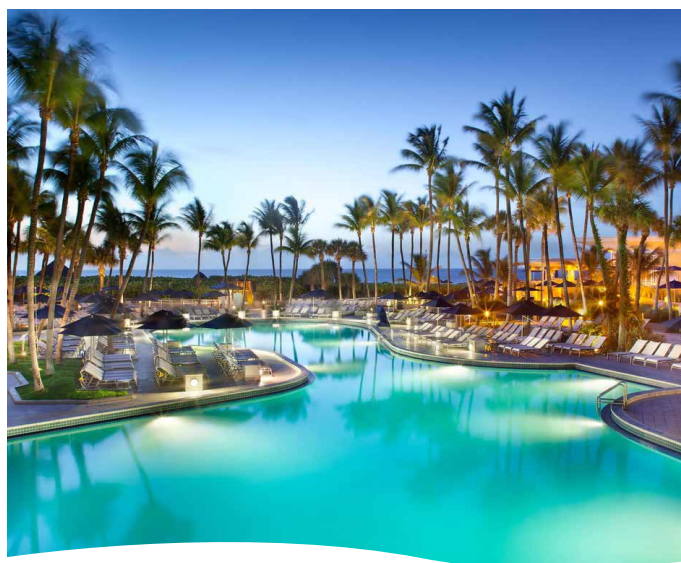
Frank Scholl, Joe DiMaggio Children's Hospital, Hollywood, FL

Resident Moderator:

Jacqueline Olive, Duke University Medical Center, Durham, NC

7:00 am – 7:12 am

37. Heart Transplantation for Adults With Congenital Heart Disease Can Be Performed at Adult or Pediatric Hospitals With Comparable OutcomesKrishna Bhandari¹, Khaled Shorbaji¹, Curry Sherard¹, Sarah Chen², Brett Welch¹, Arman Kilic¹¹Medical University of South Carolina, Charleston, SC**Discussant:** Tara Karamlou, Cleveland Clinic, Cleveland, OH



7:12 am – 7:24 am

38. Every Day of Intubation After the Fontan Operation Is Strongly Associated With Increased Hospital Mortality

John Kennedy, III¹, Karthik Thangappan¹, Farhan Zafar², Joanna Paquin², Jeffrey Alten², Alexander Opotowsky², David Lehenbauer³, David Winlaw², David Morales²

¹University of Cincinnati Medical Center, Cincinnati, OH;

²Cincinnati Children's Hospital Medical Center, Cincinnati, OH;

³Cincinnati Children's Hospital, Cincinnati, OH

Discussant: Immanuel Turner, Rocky Mountain Hospital for Children The Heart Center, Denver, CO

7:24 am – 7:36 am

39. Assessment of Cerebral Blood Flow Velocity, Gaseous Microemboli Counts at Middle Cerebral Artery, and Clinical Outcomes Using Multimodality Neuromonitoring in Risk-Stratified Congenital Cardiac Surgery Patients

Akif Undar¹, Krishna Patel¹, Yongwook Dan¹, Allen Kunselman¹, Joseph Clark², John Myers²

¹Penn State College of Medicine, Hershey, PA; ²Penn State Health Children's Hospital, Hershey, PA

Discussant: Nicholas Andersen, Duke University, Durham, NC

7:36 am – 7:48 am

40. Outcomes of Patients Undergoing the Kawashima Procedure at an Early Age

Brian Bateson¹, Lyubomyr Bohuta², Matthew Files²

¹University of Louisville, Louisville, KY; ²Seattle Children's Hospital, Seattle, WA

Discussant: Pirooz Eghtesady, St. Louis Children's Hospital, St. Louis, MO

7:48 am – 8:00 am

Invited Lecture

Heart Transplantation for Complex Congenital Heart Disease

James Gangemi, University of Virginia, Charlottesville, VA

8:00 am – 8:30 am

Open Discussion

Lung Transplant Breakout

Location: Caribbean Ballroom I-II

Moderators:

Barry Gibney, Medical University of South Carolina, Charleston, SC

Christine Lau, University of Maryland Medical Center; Baltimore, MD

Resident Moderator:

TBD

7:00 am – 7:15 am

41. The Third Cannula in Venovenous Extracorporeal Membrane Support – Quantity or Quality or Both?

Sagar Dave¹, Eric Leiendecker², Christina Creel-Bulos³, Casey Frost Miller⁴, Jeffrey Javidfar⁵, Tamer Attia⁵, Mani Daneshmand⁵, Michael Connor, Jr.², Craig Jabaley⁶, Mark Caridi-Schieble²

¹Emory University School of Medicine, Atlanta, GA; ²Emory School of Medicine, Atlanta, GA; ³Emory Healthcare, Atlanta, GA; ⁴Emory Department of Surgery, Atlanta, GA; ⁵Emory University, Atlanta, GA; ⁶Emory University Department of Anesthesiology, Atlanta, GA

Discussant: Joshua Sonett, Columbia University, New York, NY

7:15 am – 7:30 am

42. Impact of Extracorporeal Membrane Oxygenation Duration in Bridge to Lung Transplantation

Benjamin Shou¹, Iulia Barbur¹, Hannah Rando², Alice Zhou¹, Matthew McGoldrick, II³, Aravind Krishnan⁴, Bo Soo Kim⁵, Glenn Whitman⁶, Errol Bush⁵, Steven Keller², Sung-Min Cho⁵

¹Johns Hopkins School of Medicine, Baltimore, MD; ²Johns Hopkins Hospital, Baltimore, MD; ³Johns Hopkins University School of Medicine, Baltimore, MD; ⁴Stanford University, Palo Alto, CA; ⁵Johns Hopkins University Medical Center, Baltimore, MD; ⁶Johns Hopkins University, Baltimore, MD

Discussant: Sahar Saddoughi, Mayo Clinic, Rochester, MN

7:30 am – 7:45 am

43. Lung Transplantation for Patients With Bronchioalveolar Carcinoma: An Analysis of the UNOS Registry in the LAS EraSarah Clifford¹, Ernest Chan², John Ryan², Jenalee Coster², Masashi Furukawa², Pablo Sanchez²¹University of Pittsburgh School of Medicine, Pittsburgh, PA;²University of Pittsburgh Medical Center, Pittsburgh, PA**Discussant:** Jeff Javidfar, Emory University Hospital, Atlanta, GA

7:45 am – 8:00 am

44. Comparative Outcomes of Lung Transplantation Between Primary Pulmonary Arterial Hypertension and Pulmonary Venous HypertensionSandeep Sainathan¹, John Ryan², Leonardo Mulinari¹, Pablo Sanchez²¹University of Miami, Miami, FL; ²University of Pittsburgh Medical Center, Pittsburgh, PA**Discussant:** TBD

8:00 am – 8:15 am

45. Lung Transplantation Outcomes in Recipients Aged 70 or OlderAlice Zhou¹, Alexander Karius¹, Jessica Ruck¹, Benjamin Shou¹, Emily Larson¹, Alfred Casillan³, Jinny Ha⁴, Christian Merlo⁴, Errol Bush⁵¹Johns Hopkins School of Medicine, Baltimore, MD; ²The Johns Hopkins University School of Medicine, Baltimore, MD; ³Johns Hopkins Hospital, Baltimore, MD; ⁴Johns Hopkins University School of Medicine, Baltimore, MD; ⁵Johns Hopkins University Medical Center, Baltimore, MD**Discussant:** TBD

8:15 am – 8:30 am

46. Shared Characteristics Among Long-Term Lung Transplant SurvivorsJane Zhao¹, William Schwartzman¹, Matthew Henn², Nahush Mokadam², David Nunley², Justin Rosenheck², Bryan Whitson², Asvin Ganapathi²¹OSU, Columbus, OH; ²The Ohio State University Wexner Medical Center, Columbus, OH**Discussant:** TBD

8:30 am – 9:00 am

BREAK – VISIT EXHIBITS**Location: Grand Ballroom F**

9:00 am – 10:00 am

FIFTH SCIENTIFIC SESSION**Simultaneous Adult Cardiac, Thoracic, and Congenital Breakout Sessions****Rapid Fire Abstract Presentations****CME Credits Available: 1.0****Adult Cardiac Breakout****Location: Grand Ballroom E****Moderators:**

Andrea Carpenter, University of Texas Health Science Center, San Antonio, TX

Ourania Preventza, Baylor College of Medicine, Houston, TX

Resident Moderator:

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

9:00 am – 9:05 am

47. Impact of Institutional Variables on Center-Level Performance in Longer Term Survival in Heart TransplantationWeston McDonald¹, Khaled Shorbajji¹, Maxwell Kilcoyne¹, Brett Welch¹, Arman Kilic¹¹Medical University of South Carolina, Charleston, SC

9:05 am – 9:10 am

48. Preoperative Depression Is Associated With Non-Home Discharge After Coronary Artery Bypass GraftRyan Holcomb¹, Ahsan Zil-E-Ali¹, Robert Gonzalez¹, Robert Dowling¹, Chan Shen¹, Faisal Aziz¹¹Penn State College of Medicine, Hershey, PA

9:10 am – 9:15 am

49. Mitral Valve Repair or Replacement Versus Transcatheter Edge-To-Edge Repair in Patients With Secondary Mitral Regurgitation: Jury Is Still OutHoda Javadikasgari¹, Siobhan McGurk¹, Paige Newell¹, Sameer Hirji¹, Ashraf Sabe¹, Pinak Shah¹, Tsuyoshi Kaneko¹¹Brigham and Women's Hospital, Boston, MA

9:15 am – 9:20 am

50. Presentation, Management, and Outcomes in 132 Cases of Traumatic Coronary Artery DissectionLillian Kang¹, Carlyn Cook¹, Christopher Jensen¹, Kristen Rhodin², Kelli Brooks², Adam Williams³¹Duke University, Durham, NC; ²Duke University School of Medicine, Durham, NC; ³Duke University Medical Center, Durham, NC

9:20 am – 9:25 am

51. Bypassing COVID-19: The Effect of Cardiopulmonary Bypass on COVID-19 Vaccination Titers

Ray Strobel¹, Adishesh Narahari¹, Evan Rotar¹, Andrew Young², Jeffrey Vergales, James Mehaffey¹, Nicholas Teman¹, John A. Kern³, Leora Yarboro¹, Irving Kron¹, Michael Nelson⁴, Mark Roeser¹

¹University of Virginia, Charlottesville, VA; ²UVA Department of Surgery, Charlottesville, VA; ³University of Virginia Health System, Charlottesville, VA; ⁴University of Virginia/UVA Health, Charlottesville, VA

9:25 am – 9:30 am

52. Trends and Three-Year Outcomes of HCV-Viremic Donor Heart Transplants for HCV-Seronegative Recipients

Alice Zhou², Jessica Ruck¹, Laura Zeiser¹, Diane Alejo¹, Christine Durand¹, Errol Bush³, Ahmet Kilic⁴

¹Johns Hopkins University School of Medicine, Baltimore, MD; ²Johns Hopkins School of Medicine, Baltimore, MD; ³Johns Hopkins University Medical Center, Baltimore, MD; ⁴Johns Hopkins Hospital, Baltimore, MD

9:30 am – 9:35 am

53. Geography and Genetics: Waitlist Time for Highly Sensitized Cardiac Transplant Recipients

William Cohen¹, Jason Han², Max Shin¹, Xingmei Wang¹, Amit Iyengar³, Mark Helmers³, William L. Patrick³, John Kelly³, Marisa Cevasco²

¹Perelman School of Medicine at the University of Pennsylvania, Philadelphia, PA; ²Hospital of the University of Pennsylvania, Philadelphia, PA; ³Division of Cardiovascular Surgery, University of Pennsylvania, Philadelphia, PA

9:35 am – 9:40 am

54. Outcomes and Predictors of Early Mortality After Open Crawford Extent III Thoracoabdominal Aortic Aneurysm Repair: Do Women Differ From Men?

Kimberly Rebello¹, Susan Green¹, Aaliyah Willis², Hiruni Amarasekara², Cüneyt Köksoy², Marc Moon¹, Scott LeMaire², Joseph Coselli¹

¹Baylor College of Medicine/Texas Heart Institute, Houston, TX; ²Baylor College of Medicine, Houston, TX

9:40 am – 9:45 am

55. Surgical Management of Giant Cell Arteritis of the Proximal Aorta

Motahar Hosseini¹, Nishant Saran¹, Joseph Dearani¹, Alejandra Castro-Varela¹, Hartzell Schaff¹, Katherine King¹, Richard Daly¹, Kevin Greason¹, Juan Crestanello¹, Gabor Bagameri¹, Alberto Pochettino¹

¹Mayo Clinic, Rochester, MN

9:45 am – 9:50 am

56. Early Impact of Arch Repair Strategy in the Treatment of DeBakey Type I Aortic Dissection

William L. Patrick¹, John Kelly¹, Mary Siki⁴, Keerit Tauh⁴, Brittany Cannon⁴, Alexandra Sperry², Amit Iyengar¹, Sania Ahmed¹, Andrew Freas¹, Mikolaj Berezowski³, Wilson Szeto⁴, Joshua Grimm⁴, Joseph Bavaria⁴, Nimesh Desai⁴

¹Division of Cardiovascular Surgery, University of Pennsylvania, Philadelphia, PA; ²Division of Cardiovascular Surgery, Department of Surgery, University of Pennsylvania, Philadelphia, PA; ³Division of Cardiovascular Surgery, Hospital of the University of Pennsylvania, Philadelphia, PA; ⁴University of Pennsylvania, Philadelphia, PA

Thoracic Breakout**Location: Caribbean Ballroom IV****Moderators:**

DuyKhanh Ceppa, Indiana University School of Medicine, Indianapolis, IN

Manu Sancheti, Emory University School of Medicine, Atlanta, GA

Resident Moderator:

Alicia Bonanno, Emory University Hospital, Atlanta, GA

9:00 am – 9:05 am

57. Impact of FDG PET Standardized Uptake Value in Resected Clinical Stage IA Non-Small Cell Lung Cancer

Luis Tapias¹, K. Robert Shen¹, Stephen Cassivi¹, Janani Reisenauer¹, Francis Nichols¹, Dennis Wigle¹, Shanda Blackmon¹

¹Mayo Clinic, Rochester, MN

9:05 am – 9:10 am

58. Interpretable Machine Learning Accurately Reclassifies Lobectomy Surgical Approaches by Cost

Michael Rogers¹, Haroon Janjua², Meagan Read², Ricardo Pietrobon³, Paul Kuo²

¹Department of Surgery, University of South Florida Morsani College of Medicine, Tampa, FL; ²University of South Florida Morsani College of Medicine, Tampa, FL; ³SporeData, Inc., Durham, NC

9:10 am – 9:15 am

59. More Isn't Always Better: Longer Durations of Antibiotics do not Result in Better Outcomes in Patients With Pleural Empyema After Decortication

Devon Freudenberger¹, Luke Wolfe², Daniel Scheese¹, Bhavishya Ramamoorthy¹, Carlos Puig Gilbert³, Rachit Shah¹, Walker Julliard²

¹VCU Health, Richmond, VA; ²Virginia Commonwealth University, Richmond, VA; ³VCU, Richmond, VA



9:15 am – 9:20 am

60. Gender and Racial Disparities Among Matriculants to Thoracic Surgery Fellowships Compared to Other Surgical Subspecialty Fellowship Programs

Lauren Bougioukas¹, Alyssa Heiser¹, Peter Callas¹, Marek Polomsky², Adrian Berg¹, Jennifer Risi², Fuyuki Hirashima²

¹The Robert Larner, M.D. College of Medicine at The University of Vermont, Burlington, VT; ²Department of Surgery, Division of Cardiothoracic Surgery, University of Vermont Medical Center, Burlington, VT

9:20 am – 9:25 am

61. Safety and Efficacy of Robotic First Rib Resection with Adjuvant Endovascular Therapy for Acute and Sub-acute Paget Schroetter Syndrome

Alejandro Zulbaran y Rojas¹, Miguel Montero-Baker², Nihanth Palivela³, Catherine Park¹, Alan Pham¹, Bijan Najafi¹, Jayar Chung¹, Joseph Mills¹, Bryan Burt¹

¹Baylor College of Medicine, Houston, TX; ²Houston Methodist Cardiovascular Associates, Houston, TX

9:25 am – 9:30 am

62. Faster Return to Oral Intake Following Open Repair vs Stent Placement Following Spontaneous Esophageal Perforation

Juan Munoz-Largacha¹, Kai He², Chetan Pasrija³, Whitney Burrows³, Benjamin Wei¹, James Donahue¹

¹University of Alabama at Birmingham, Birmingham, AL; ²University of Alabama at Birmingham School of Medicine, Birmingham, AL; ³University of Maryland School of Medicine, Baltimore, MD

9:30 am – 9:35 am

63. Achieving a Textbook Oncologic Outcome Is Associated With Increased Overall Survival After Resection for Esophageal Cancer

Akash Premkumar¹, Emanuele Mazzola², Jon Wee³, Yue Xie², Ashley Deeb¹, Daniel Lee¹, Emily Polhemus¹, Ciaran McNamee¹, Steven Mentzer¹, Michael Jaklitsch³, Hassan Khalil¹, Abby White¹, Raphael Bueno¹, Scott Swanson¹

¹Brigham and Women's Hospital, Boston, MA; ²Dana-Farber Cancer Institute, Boston, MA; ³Brigham and Women's Hospital, Division of Thoracic Surgery, Boston, MA

9:35 am – 9:40 am

64. Defining Characteristics of Long-Term Survivors After Esophagectomy for Esophageal Cancer: A Retrospective Single Institution Data Analysis

Mohamad K. Abou Chaar¹, Anny Godin², Scott Harmsen¹, Camryn Wzientek¹, Sahar Saddoughi¹, Christopher Hallemeier¹, Stephen Cassivi¹, Francis Nichols¹, Janani Reisenauer¹, K. Robert Shen¹, Luis Tapias¹, Dennis Wigle¹, Shanda Blackmon¹

¹Mayo Clinic, Rochester, MN; ²Université de Montréal, Montréal, Quebec, Canada

9:40 am – 9:45 am

65. Gold Standard Surgical Resection For Early Stage Lung Cancer Decreasing Despite Better Surgical Outcomes

Kelly Fairbairn¹, Chiu-Hsieh Hsu¹, Michael Gerber¹, Billie Bixby¹, Stephanie Worrell¹

¹University of Arizona, Tucson, AZ

9:45 am – 9:50 am

66. Chemoradiation Versus Surgical Resection for Invasive Large Node-Negative Non-Small Cell Lung Cancer

Whitney Brandt¹, Zhizhou Yang², Brendan Heiden², Daniel Morgensztern³, Saiama Waqar², Ruben Nava², Bryan Meyers², G. Alexander Patterson², Benjamin Kozower², Varun Puri²

¹Washington University Barnes Jewish Hospital, St. Louis, MO;

²Washington University School of Medicine, St. Louis, MO;

³Washington University, St. Louis, MO

Congenital Breakout

Location: Caribbean Ballroom V

Moderators:

Erle H. Austin, University of Louisville, Norton Children's Hospital; Louisville, KY

Mark Bleiweis, University of Florida, Gainesville, FL

Resident Moderator:

Shawn Shah, Cleveland Clinic, Cleveland, OH

9:00 am – 9:05 am

67. Trans-Atrial Repair for Multiple Muscular Ventricular Septal Defects or Swiss-Cheese Ventricular Septum in InfantsAnthony Tran¹, Vincent Tam²¹Baylor Scott & White, The Heart Hospital, Plano, TX; ²Cook Childrens Medical Center, Fort Worth, TX

9:05 am – 9:10 am

68. Custodiol Versus Blood Cardioplegia In Pediatric Cardiac Surgery, A Randomized Controlled TrialAhmed Elmahrouk¹, Mohammed Shihata², Mohamed Galal³, Musleh Altowaity², Amr Arafat⁴, Ahmed Jamjoom¹, Osman Al-Radi⁵¹King Faisal Specialist Hospital & Research Center, Riyadh, Saudi Arabia; ²King Faisal Specialist Hospital and Research Center Jeddah, Saudi Arabia; ³King Fahad Military Hospital Jeddah, Saudi Arabia; ⁴Tanta University, Tanta, Egypt; ⁵King Abdulaziz University, Jeddah, Saudi Arabia

9:10 am – 9:15 am

69. 15-year Single Institutional Analysis of Surgical Approaches and Outcomes for Aortic Coarctation in 132 Neonates and InfantsYuriy Stukov¹, Jeffrey Jacobs¹, Giles Peek¹, Andrew Pitkin², Susana Cruz Beltran¹, Lisa Schnabel¹, Dalia Lopez-Colon¹, Connie Nixon¹, Mark Bleiweis²¹University of Florida, Gainesville, FL; ²Congenital Heart Center, University of Florida, Gainesville, FL

9:15 am – 9:20 am

70. Hospital Admissions and Rates of Cardiac Surgery for Trisomy 13 & 18 Differ by Region in the United StatesJason Greenberg¹, Aadhyasri Ramineni¹, Stephen Fatuzzo¹, David Winlaw¹, David Lehenbauer², James Tweddell¹, Farhan Zafar¹, David Morales¹¹Cincinnati Children's Hospital Medical Center, Cincinnati, OH;²Cincinnati Children's Hospital, Cincinnati, OH

9:20 am – 9:25 am

71. Educating Surgeons to Construct PTFE Valved Conduits: What Does It Take to Achieve Reproducible Results?Shelby Aughtman¹, Peter Wearden¹, Jennifer Nelson¹¹Nemours Children's Hospital, Orlando, FL

9:25 am – 9:30 am

72V. Repair of Quadricuspid Aortic Valve Associated With Marfan Aortic Root AneurysmLawrence Wei¹, J. Scott Rankin¹, Vinay Badhwar¹¹West Virginia University, Morgantown, WV

9:30 am – 10:00 am

Open Discussion

10:00 am – 10:30 am

STS CT Surgery Masters Showdown, Final Round**BREAK – VISIT EXHIBITS****Location: Grand Ballroom F**

10:30 am – 12:00 pm

GENERAL SESSION**Location: Grand Ballroom E****CME Credits Available: 1.5****Education, Innovation and Excellence in CT Surgery****Moderators:**

Melanie Edwards, IHA Cardiovascular & Thoracic Surgery, Ypsilanti, MI

Daniel Miller, Medical College of Georgia, Augusta University, Augusta, GA

Stephen Yang, Johns Hopkins Medical Institutions, Baltimore, MD

Resident Moderator:

Eric Pruitt, University of Florida, Gainesville, FL

10:30 am – 10:50 am

Kent Trinkle Education Lectureship**Evolution in Thoracic Residency Training at MD Anderson**

10:30 am – 10:40 am

Ara Vaporciyan, UT MD Anderson Cancer Center, Houston, TX

10:40 am – 10:50 am

Mara Antonoff, UT MD Anderson Cancer Center, Houston, TX

10:50 am – 11:15 am

The Operating Room to the Board Room

Robert Cerfolio, New York University, New York, NY

11:15 am – 11:40 am

Innovation of Healthcare Delivery Now and in the Future

Neri Cohen, The Center for Healthcare Innovation, Baltimore, MD

11:45 am – 12:00 pm

73. Three Generations of Southern Thoracic and CardioVascular Surgical Excellence

Jeffrey Jacobs, University of Florida, Gainesville, FL

12:00 pm – 1:00 pm

LUNCH ON OWN

*Industry sponsored luncheon symposia will also be available during this time; luncheons are by invitation only.

1:00 pm – 1:30 pm

Dessert & Posters Presentations in the Exhibit Hall

View scientific poster details on [page 19](#) of this Conference Program.

BREAK – VISIT EXHIBITS

Location: *Grand Ballroom F*

SIXTH SCIENTIFIC SESSION

Simultaneous Adult Cardiac, Thoracic and Congenital Breakout Sessions

1:30 pm – 2:30 pm

CME Credits Available: 1.0

Adult Cardiac Breakout

Location: *Grand Ballroom E*

Moderators:

Scott LeMaire, Baylor College of Medicine, Houston, TX

Melissa Levack, Vanderbilt University Medical Center, Nashville, TN

Resident Moderator:

Kimberly Holst, Mayo Clinic, Rochester, MN

1:30 pm – 1:37 pm

74. Open Thoracoabdominal Aortic Aneurysm Repair: Does Chronic Dissection Differ From Degenerative Aneurysm?

Ian Cook¹, Kimberly Rebello², Susan Green², Hiruni Amarasekara¹, Rodrigo Zea-Vera¹, Marc Moon², Scott LeMaire¹, Joseph Coselli²

¹Baylor College of Medicine, Houston, TX; ²Baylor College of Medicine/Texas Heart Institute, Houston, TX

Discussant: Chris Malaisrie, Northwestern Medicine, Chicago, IL

1:39 pm – 1:46 pm

75. Distal Aortic Re-Interventions Following Hemiarch Repair for Type A Acute Aortic Dissection

Mikolaj Berezowski¹, John Kelly², Joseph Bavaria³, Mary Siki³, William L. Patrick², Brittany Cannon³, Keerit Tauh³, Wilson Szeto³, Joshua Grimm⁴, Nimesh Desai³

¹Division of Cardiovascular Surgery, Hospital of the University of Pennsylvania, Philadelphia, PA; ²Division of Cardiovascular Surgery, University of Pennsylvania, Philadelphia, PA;

³University of Pennsylvania, Philadelphia, PA; ⁴Johns Hopkins University, Baltimore, MD

Discussant: Dawn Hui, University of Texas Health Science Center, San Antonio, TX



1:48 pm – 1:55 pm

76. Valve-Sparing Root Replacement Offers Similar Midterm Durability in Bicuspid and Tricuspid Morphology

Anthony Tran¹, Emily Shih², Katherine Harrington¹, Justin Schaffer³, Robert Smith¹, Zuyue Wang¹, Talia Meidan⁴, Allison Lanfear⁴, Allison Aldrich¹, J. Michael DiMaio¹, Michael Mack¹, William Ryan¹, William Brinkman¹

¹Baylor Scott & White The Heart Hospital, Plano, TX; ²Baylor University Medical Center, Dallas, TX; ³The Heart Hospital, Plano, TX; ⁴Baylor Scott & White Research Institute, Plano, TX

Discussant: TBD

Invited Lecture

1:57 pm – 2:07 pm

Aortic Valve Repair: Are We Standardizing Approach?

G. Chad Hughes, Duke University, Durham, NC

2:09 pm – 2:30 pm

Open Discussion

Thoracic Breakout**Location: Caribbean Ballroom IV****Moderators:**

Betty Tong, Duke University Medical Center, Durham, NC
Gavitt Woodard, Yale School of Medicine, New Haven, CT

Resident Moderator:

Kyle Mitchell, UT MD Anderson Cancer Center, Houston, TX

1:30 pm – 1:37 pm

77. Analysis of Clinical and Radiologic Factors Associated With Follow-Up Scan Results and Subsequent Lung Cancer Diagnosis in a Low-Intermediate Risk Lung Cancer Screening Population

Flaminio Pavesi¹, Matthew Miller¹, Sarah Singh¹, Sainath Asokan¹, Cameron Hurlburt¹, Pearl Lee², Jonathan Scalera¹, Katrina Steiling¹, Kei Suzuki³

¹Boston University School of Medicine, Boston, MA; ²Boston University, Boston, MA; ³Inova, Falls Church, VA

Discussant: Jinny Ha, Johns Hopkins, Baltimore, MD

1:39 pm – 1:46 pm

78. Lung Cancer Screening in Head and Neck Cancer Patients: An Untapped Opportunity

Edward Diaz, Janet Tu¹, Eduardo Diaz, Jr.², Mara Antonoff²

¹MD Anderson Cancer Center, Houston, TX; ²University of Texas, MD Anderson Cancer Center, Houston, TX

Discussant: Puja Khaitan, Georgetown University, Washington DC



V indicates STSA surgical video

1:48 pm – 1:55 pm

79. Real World Surgical Outcomes From a Lung Cancer Screening Program

Keaton Cooley-Rieders¹, Carter Glenn¹, Robert Van Haren², Hai Salfity³, Sandra Starnes²

¹University of Cincinnati, Cincinnati, OH; ²University of Cincinnati College of Medicine, Cincinnati, OH; ³University of Cincinnati Medical Center, Cincinnati, OH

Discussant: Linda Martin, University of Virginia, Charlottesville, VA

Invited Lecture**1:57 pm – 2:07 pm**

Lung Cancer Screening in 2022: A Moving Target

J. Robert Headrick, CHI Memorial, Chattanooga, TN

2:09 pm – 2:30 pm**Open Discussion****Congenital Breakout****Location: Caribbean Ballroom V****Moderators:**

Deborah Kozik, University of Louisville/Norton Children's Hospital, Louisville, KY

James O'Brien, Children's Mercy Hospital, Kansas City, MO

Resident Moderator:

William Frankel, Cleveland Clinic Foundation, Cleveland, OH

1:30 pm – 1:37 pm

80V. Infant Cardiac Rhabdomyoma Presenting With Incessant Ventricular Tachycardia Requiring ECMO Support: Role of Tumor Debulking and Atrial Margin Cryoablation

John Costello¹, Nicholas Oh¹, Miza Salim Hammoud², Malek El Yaman¹, Peter Aziz¹, Munir Ahmad², Tara Karamlou², Hani Najm²

¹Cleveland Clinic Foundation, Cleveland, OH; ²Cleveland Clinic, Cleveland, OH

Discussant: Lawrence Greiten, Arkansas Children's Hospital, Little Rock, AR

1:39 pm – 1:46 pm

81V. Neonatal Gerbode Defect Resulting in Cardiogenic Shock

Lillian Kang¹, Anna Hoover², Neel Prabhu², Michael Camitta³, Joseph Turek⁴, Nicholas Andersen³

¹Duke University, Durham, NC; ²Duke University Medical Center, Durham, NC; ³Duke University School of Medicine, Durham, NC

Discussant: Subhadra Shashidharan, Children's Healthcare of Atlanta, Atlanta, GA

1:48 pm – 1:55 pm

82V. Open Hybrid Aortic Stent Placement for Recurrent Coarctation in Complex Single Ventricles

Peter Chen¹, Julija Dobrila², Blaz Podgorsek², Zachary Cerra², Christopher Greenleaf², Damien LaPar³, Jorge Salazar², Kiran Mallula⁴

¹University of Texas Health Science Center at Houston, Houston, TX; ²McGovern Medical School at UTHealth, Houston, TX; ³UTHealth Houston Children's Heart Institute, Houston, TX; ⁴University of Texas - Houston Health Sciences Center, Houston, TX

Discussant: Tracy Geoffrion, Children's Hospital of Philadelphia, Philadelphia, PA

Invited Lecture

1:57 pm – 2:07 pm

Evolution of 3-D Modeling and Virtual Reality Imaging in the Assessment of Congenital Heart Disease

Mark Plunkett, The Children's Hospital of Illinois and the University of Illinois College of Medicine, Peoria, IL

2:09 pm – 2:30 pm

Open Discussion

2:30 pm – 2:45 pm

BREAK – VISIT EXHIBITS

Location: Grand Ballroom F

2:45 pm – 3:30 pm

STSA ANNUAL BUSINESS MEETING

Location: Grand Ballroom E

Members Only

*All new STSA Members are required to attend.

7:00 pm – 7:30 pm

Dinner Gala Reception

Location: Grand Ballroom Foyer

7:30 pm – 10:00 pm

Dinner Gala & Awards

Location: Grand Ballroom E

SATURDAY, NOVEMBER 12, 2022

8:00 am – 10:00 am

STSA POSTGRADUATE GENERAL SESSION

Location: Grand Ballroom E

CME Credits Available: 2.0

Moderators:

Thomas MacGillivray, MedStar Washington Hospital Center, Washington, DC

Stephen Yang, Johns Hopkins Medical Institutions, Baltimore, MD

8:00 am – 8:30 am

ABTS Update and Q&A

Joe Putnam, Jr., Baptist MD Anderson Cancer Center, Jacksonville, FL

8:30 am – 9:00 am

Cultural Complications: How to Manage Challenging Interactions With Patients and Their Caregivers

Daniel Miller, Medical College of Georgia, Augusta University, Augusta, GA

John Calhoun, University of Texas Health Science Center, San Antonio, TX

9:00 am – 10:00 am

Cardiothoracic Surgeon Career Pivot to Industry—Panel & Discussion

Panelists:

Lishan Aklog, PAVmed Inc. and Lucid Diagnostics Inc.

Lauren Kane, TransMedics Inc.

Saeid Khansarinia, Intuitive

10:00 am

MEETING ADJOURNED

SCIENTIFIC POSTERS

Scientific posters will be on display in the exhibit hall during the course of the meeting. CME is not offered in conjunction with scientific posters. Stop by the exhibit hall during the break scheduled on Friday afternoon, 1:00 - 1:30 pm, to hear brief presentations from authors of the following posters:

ADULT CARDIAC SURGERY POSTERS

AC-P1. Biomechanical Engineering Analysis of Modified Anterior Patch Augmentation Repair for Rheumatic Mitral Valves

Yuanjia Zhu¹, Shin Yajima², Robert Wilkerson¹, Matthew Park¹, Joo Young Kim¹, Pearly Pandya¹, Joseph Woo¹

¹Stanford University, Stanford, CA; ²Stanford University, Cardiothoracic Surgery, Stanford, CA

AC-P2. Long Term Outcomes Following Heart Transplantation In Recipients With Human Immunodeficiency Virus

Alejandro Suarez-Pierre¹, Navin Vigneshwar², Adam Carroll³, Jack Zakrzewski², John Iguidbashian¹, Muhammad Aftab¹, T. Reece¹, David Fullerton¹, Joseph Cleveland², Jessica Rove¹

¹University of Colorado, Aurora, CA; ²University of Colorado Anschutz Medical Campus, Aurora, CO; ³University of Colorado School of Medicine, Aurora, CO

AC-P3. Changes in Aortic Root Dimensions Post Aortic Root Enlargement With Y-incision and Modified Aortotomy

William Truesdell¹, Nicholas Burris¹, Corina Ghita¹, China Green¹, Heather Knauer¹, Bo Yang¹

¹University of Michigan, Ann Arbor, MI

AC-P4. The Current State of Isolated and Concomitant Tricuspid Valve Surgery: A Nationally Representative Analysis

Paige Newell¹, Cheryl Zogg², Prem Patel¹, Jake Awtry¹, Sameer Hirji¹, Tsuyoshi Kaneko¹

¹Brigham and Women's Hospital, Boston, MA; ²Yale School of Medicine, New Haven, CT

AC-P5. Non-Resectional Cordal Repair for Barlow Mitral Valve Disease

Isabella Florissi¹, Matthew Acton², Chetan Pasrija³, Irina Kolesnik³, Ishani Patel⁴, Eric Etchill¹, Rachael Quinn¹, James Gammie⁴

¹Johns Hopkins University School of Medicine, Baltimore, MD; ²University of Louisville, Louisville, KY; ³University of Maryland School of Medicine, Baltimore, MD; ⁴Johns Hopkins Hospital, Baltimore, MD

AC-P6. The Successful Diffusion of Transcatheter Technology in Aortic and Mitral Valve Disease

Paige Newell¹, Yunda Wang², James Etheridge¹, Hoda Javadikasgari¹, William Shi¹, Jake Awtry¹, Sameer Hirji¹, Tsuyoshi Kaneko¹

¹Brigham and Women's Hospital, Boston, MA; ²Boston University School of Medicine, Boston, MA

AC-P7. Contemporary Outcomes for Surgical Tricuspid Valve Replacement: Establishing a Benchmark for Emerging Transcatheter Tricuspid Therapies

Catherine Wagner¹, Alexander Brescia¹, Robert Hawkins¹, Matthew Romano¹, Steven Bolling¹, Gorav Ailawadi¹

¹University of Michigan, Ann Arbor, MI

AC-P8. Safety and Efficacy of a Kaolin-Impregnated Hemostatic Gauze for Mild to Moderate Bleeding in Patients Undergoing Cardiac Surgery: Results From a Multicenter, Randomized, Controlled Clinical Trial

Mubashir Mumtaz¹, Richard Thompson², Marc Moon³, Ibrahim Sultan⁴, T. Reece⁵, William B. Keeling⁶, Jacob DeLaRosa⁷

¹UPMC, Pittsburgh, PA; ²Bryan Health, Lincoln, NE; ³Baylor College of Medicine and Texas Heart Institute, Houston, TX; ⁴University of Pittsburgh, PA; ⁵University of Colorado, Aurora, CO; ⁶Emory University, Atlanta, GA; ⁷Portneuf Medical Center, Pocatello, ID

AC-P9. Improving Outcomes in Extracorporeal Membrane Oxygenation Therapy for Severe Corona Virus Disease 2019: A Case Series

Philip Coffey¹, Peter Drevets², Arianna Sidoti³, Shohei Yoshida¹, Daniel Miller⁴, Vijay Patel⁴

¹Augusta University, Augusta, GA; ²Augusta University Medical Center, Augusta, GA; ³Medical College of Georgia, Augusta, GA; ⁴Medical College of Georgia, Augusta University, Augusta, GA

CONGENITAL SURGERY POSTERS

CONG-P1. Impact of Perfusion Modalities on Cerebral Hemodynamics, Vital Organ Injury, and Clinical Outcomes in Acyanotic and Cyanotic Congenital Heart Surgery Patients

Akif Undar¹, Krishna Patel¹, Joseph Clark², Gary Ceneviva¹, Debra Spear¹, Allen Kunselman¹, Neal Thomas¹, John Myers²

¹Penn State College of Medicine, Hershey, PA; ²Penn State Health Children's Hospital, Hershey, PA

CONG-P2. Takedown DKS Palliation for Interrupted Aortic Arch With Hypoplastic Left Ventricular Outflow Tract

Kevin Beers¹, William Douglas¹

¹Children's Mercy Hospital, Kansas City, MO

CONG-P3. A Bayesian Analysis: Preoperative Birth Weight Is a Poor Predictor of Mortality Following Neonatal Cardiac Surgery

Ashley Dawson¹, Alexander Mills², Jon Meliones³, Jorge Salazar¹, Damien LaPar⁴

¹McGovern Medical School at UT Health, Houston, TX;

²University of Texas Health Science Center at Houston, Houston, TX; ³Memorial Herman Texas Medical Center, Houston, TX; ⁴UTHealth Houston Children's Heart Institute, Houston, TX

CONG-P4. Growable Shunt as Novel Therapy in Children Requiring Aortopulmonary Shunt for a Protracted Period of Time

Daniel Ragheb¹, Alexander Bruno², Dana Janssen², David Bichell²

¹Vanderbilt University School of Medicine, Nashville, TN;

²Vanderbilt University Medical Center, Nashville, TN

THORACIC SURGERY POSTERS

GT-P1. Sex Disparities in Lung Transplant Allocation in the Lung Allocation System Era

Carrinton Mauney¹, Alexis Chidi¹, Isabella Florissi¹, Jessica Ruck¹, Mara McAdams-DeMarco¹, Christian Merlo¹, Errol Bush²

¹Johns Hopkins University School of Medicine, Baltimore, MD;

²Johns Hopkins University Medical Center, Baltimore, MD

GT-P2. Racial Disparities in Transplantation Outcomes After Change in Lung Allocation Policy

Quiana Kern¹, Z. Hashmi¹, Khaled Shorbaji¹, T. Whelan¹, Luca Paoletti¹, Arman Kilic¹, Barry Gibney¹

¹Medical University of South Carolina, Charleston, SC

GT-P3. Machine Learning for Improved Size Matching in Lung Transplantation for Restrictive Lung Disease

Neel Prabhu¹, Megan Wong¹, Samantha Halpern², Jacob Klapper¹, Joseph Mammarrappallil¹, Matthew Hartwig³

¹Duke University Medical Center, Durham, NC; ²Duke University School of Medicine, Durham, NC; ³Duke University, Durham, NC

GT-P4. African-American Race and Lower Annual Income Are Associated With Smoking Relapse After Surgical Resection for Stage-1 Non-Small Cell Lung Cancer

Aniket Vazirani¹, Adriana Rodriguez¹, Kei Suzuki², Ehab Billatos³

¹Boston University, Boston, MA; ²Inova Fairfax Hospital, Falls Church, VA; ³Boston University School of Medicine, Boston, MA

GT-P5. Increasing Incidence of Clinically Relevant Solitary Pulmonary Nodules Identified Utilizing a Universal Health Care System

John Kuckelman¹, Aaron Dezube², Carlos Bravo-Iñiguez², Francine Jacobson³, Daniel Miller⁴, Michael Jaklitsch¹, Gita Mody⁵

¹Brigham and Women's Hospital, Division of Thoracic Surgery, Boston, MA; ²Brigham and Women's Hospital, Boston, MA;

³Department of Radiology, Division of Thoracic Imaging, Brigham and Women's Hospital, Boston, MA; ⁴Medical College of Georgia, Augusta University, Augusta, GA; ⁵UNC School of Medicine, Chapel Hill, NC

SURGICAL EDUCATION POSTER

SE-P1. Gender-Related Influences and Barriers in Cardiothoracic Surgery Residents

Katherine Whitehouse¹, Jaimin Trivedi¹, Siddarth Pahwa¹, Mark Slaughter¹

¹University of Louisville, Louisville, KY

GENERAL INFORMATION

MEETING LOCATION

Marriott Harbor Beach Resort & Spa
3030 Holiday Drive
Fort Lauderdale, Florida 33316
954-525-4000

We invite you to join us at the Fort Lauderdale Marriott Harbor Beach Resort & Spa to embrace beachfront living in style. Nestled along a quarter-mile stretch of pristine private beach, the hotel effortlessly blends laid-back tropical tranquility with signature Marriott service. Enjoy the perfect location near the shops, dining and nightlife of Las Olas Boulevard. Dive into the lagoon-style pool, spend the day jet skiing and snorkeling, or pamper yourself at the luxury spa. Showcasing an array of unique restaurants, this resort offers ample opportunities for culinary adventures.

A Statement from the Marriott Harbor Beach Resort & Spa regarding COVID-19:

As we welcome you to the Marriott Harbor Beach Resort & Spa, we are committed to providing you with a safe environment that aligns with expert protocols for working to defeat COVID-19. Consisting of in-house and outside experts in food and water safety, hygiene and infection prevention, and hotel operations, our Marriott Cleanliness Council has redefined our cleaning and safety standards. We will actively monitor and evolve our solutions to ensure a continued focus on the health and safety of our guests and associates. For the latest in our safety protocols, please visit: <https://whattoexpect.marriott.com/fllsb>

A Statement from STSA regarding COVID-19:

The health, safety and well-being of STSA members, meeting attendees, guests, exhibitors, and staff is of utmost importance. STSA follows the guidance of The Centers for Disease Control (CDC) as it relates to COVID-19 and other communicable diseases along with local requirements to meet safely. All attendees, exhibitors, and guests at the STSA 69th Annual Meeting will be required to show proof of a negative COVID-19 test within 48 hours of check-in. In lieu of this testing requirement, individuals may voluntarily show proof of full vaccination. Proof of a negative COVID-19 test, or vaccination will be required for badge pick-up. If an attendee, exhibitor, or guest does not have a negative test dated within 48 hours of check-in at Registration, or, is not able to show proof of full vaccination, they will not be permitted to enter until they can satisfy the meeting entry requirement. This policy also applies to attendees at STSA social events.

Wearing a mask in the meeting space and throughout the hotel is optional.

To make it simpler for attendees to provide negative test results (or proof of COVID vaccination), STSA will employ the 42Chat app, which allows easy uploading for attendees to confirm their status quickly, seamlessly, and securely.

All meeting attendees, including guests, exhibitors, and vendors, will be required to sign and agree to the COVID-19 Safety Acknowledgement – Assumption of the Risk, Liability Waiver and Release of Claims document posted [here](#). Requirements are subject to change. Updates and additional information regarding on-site health and safety protocols will be posted on the [STSA Annual Meeting](#) page as it becomes available.

COVID-19 testing will be available at local, offsite clinics by appointment and walk-in (subject to availability) for any attendee who is required to present a negative COVID test for meeting entry, is experiencing symptoms, or requires a negative test for post-meeting travel. Onsite COVID testing will not be available. STSA is not responsible for the expense associated with COVID testing.

Reference a list of testing sites near the Fort Lauderdale Marriott Harbor Beach Resort & Spa [here](#).

HOTEL RESERVATIONS

A block of discounted hotel rooms is being held until Tuesday, October 11, 2022, 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 <https://stsa.org/> and click on the direct link to the Marriott reservation site, where you can book your hotel reservation any time.

Telephone: Contact the hotel reservations department at 800-222-6543. 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 standard guestroom is \$239/night plus tax. If desired, you may elect to upgrade to a guaranteed bed type or view during the reservation process. A discounted resort fee of \$25 plus tax (for a total of \$28.25; normally

\$39) per night will also apply. The resort fee which includes resort-wide internet access, two welcome beverages, two chairs and one beach umbrella daily rental, two spa fitness classes daily (reservations required), one-hour rental of non-motorized water sport equipment per day for up to two people (weather permitting; choose from surf/paddle/boogie boards or kayaks) and access to tennis facilities. Wristbands will be provided to all guests during check-in. A credit card is required to secure your reservation; however it will not be charged until check-out.

Cancellations made within 72 hours 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 pm; check out is 11:00 am.

The hotel will honor the STSA discounted room rate for reservations that include nights for up to three days before and after the meeting, based on availability.

MEETING REGISTRATION

The STSA 69th Annual Meeting is currently being planned in accordance with all federal, state, local and hotel guidelines. Meeting attendee safety is a top concern, and the host hotel offers plenty of space for social distancing.

Please be advised, registrant and guest (ages 18 and older) cell phone numbers are required in the event COVID-19 contact tracing is necessary.

Register online at <https://stsa.org/69thannual/> or download, complete and return the registration form. Early registration is available until October 11, 2022. 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 registration category is for significant others and family members only. Medical professionals are required to register separately in the appropriate designated category.

During online registration, registrants must acknowledge they have read the *COVID-19 Safety Acknowledgement – Assumption of the Risk, Liability Waiver and Release of Claims* document posted here.

Those who register via a pdf form must submit a signed *COVID-19 Safety Acknowledgement – Assumption of the Risk, Liability Waiver and Release of Claims* document to STSA. A signed waiver document should be included with a pdf registration form and sent to STSA via email at stsa@stsa.org.

Registration and Cancellation Policy: Cancellation requests must be submitted in writing prior to October 11, 2022; unfortunately, STSA is unable to honor any subsequent requests. Refunds are subject to a \$50.00 administrative fee.

GETTING AROUND FORT LAUDERDALE

The Marriott Harbor Beach Resort & Spa is conveniently located just 5 miles from the nearest major airport.

Airport Transportation

Fort Lauderdale-Hollywood International Airport (airport code FLL) is located 5 miles from the hotel, and is serviced by most major airlines. Miami International Airport (airport code MIA) is an option as well, located 30 miles from the resort, and offers extensive airline options. The resort does not provide shuttle service from either airport. There are several forms of ground transportation services available.

Taxi Service

Taxis are readily available outside of baggage claim. Fares to the Marriott Harbor Beach Resort & Spa are approximately \$50 one way.

Shared or Private Car Service

Both Uber and Lyft service the Fort Lauderdale-Hollywood International Airport and Miami International Airport. Rides can be requested through their mobile apps; follow the instructions provided to locate your driver. Rides to the Marriott Harbor Beach Resort & Spa start at approximately \$35 one way.

Private car service is available through USA Transportation. USA Transportation is offering a 15% discount for STSA attendees, with rates to the Marriott Harbor Beach starting at \$128 one way. Reservations can be made online at <https://usatrans.addons.la/m/portal/?k=M3BHAMzjpltbhv6ZZ7P>

Car Rental

A special car rental rate has been negotiated for STSA meeting attendees through Hertz. 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 www.hertz.com. Reference CDP# 2188961 when making reservations.

Parking

The Marriott Harbor Beach Resort & Spa has extended parking discounts to all STSA guests. Self-parking is \$25 per day. Valet parking is \$30 per day.

For additional information

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

ACTIVITIES AND ENTERTAINMENT

Hospitality Suite

Thursday, November 10 – Saturday, November 12

Time: 8:30 am – 11:00 am

STSA is providing a hospitality room for attendee spouses and guests to mingle with other spouses and guests and to make plans for exploring Fort Lauderdale. The Hospitality Suite can be found on the 2nd floor of the hotel in the Miami room.

Residents Reception

Thursday, November 10

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. The Residents Reception will be held on the Riva Terrace, adjacent to the Riva restaurant.

President's Mixer

Thursday, November 10

Time: 7:00 pm – 9:00 pm

Gather with fellow meeting attendees for an evening of networking and fun. *Attendees receive two complimentary tickets with meeting registration. Additional tickets may be purchased for \$25.00 per person. The President's Mixer will be held near the beach-front on the Oceanview Terrace.*

Dinner Gala

Friday, November 11

Reception: 7:00 pm – 7:30 pm

Dinner: 7:30 pm – 10:00 pm

Cost: Adult Ticket — \$125.00 each

Child Ticket — \$40 each (Ages 12 and younger)

Children's ticket includes a child-friendly dinner.

Trainee Ticket — \$75.00 each (must be registered in Trainee category or be a guest of a registered Trainee to purchase this ticket.)

Location: Grand Ballroom Foyer and Grand Ballroom E

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. Black tie or cocktail attire is welcome; come comfortable and prepared for an evening of fun where you can reconnect with friends, families and colleagues!

Golf in Fort Lauderdale

The Marriott Harbor Beach Resort & Spa is located near two beautiful golf courses, the Jacaranda Golf Club and the Plantation Preserve Golf Course. Both courses are unaffiliated with the hotel, but the Concierge Desk can assist in reserving tee times and arranging transportation.

Surf Club

Hours: 9:00 am – 12:00 pm; 1:00 pm – 4:00 pm daily

Cost: \$40.00 plus tax per child for full day; \$20.00 plus tax per child for half day

Resort guests from ages 5-12 can enjoy the Surf Club activity center, featuring an innovative multimedia area, arts and crafts, video games and more.

This service is limited, please make reservations in advance by calling 954-766-6108.

Resort Activities and Excursions

The Marriott Harbor Beach Resort & Spa features a long list of exciting and rejuvenating on-property activities. On arrival, guests will be provided with an activities schedule outlining the week's fitness center hours and class schedules, cabana and watersport rental information, as well as available excursions and dining options.

The resort is situated directly on a private beach, and offers a lagoon style swimming pool, a splash park, full-service spa with private outdoor pool, a fitness center, basketball and tennis courts, and beachside watersport rentals.

Be sure to take advantage of all the amenities your daily resort fee includes: two chairs and one beach umbrella daily, two spa fitness classes daily (reservations required), one-hour rental of non-motorized water sport equipment per day for up to two people (weather permitting; choose from surf/paddle/boogie boards or kayaks) and access to tennis facilities.



STSA

69th Annual Meeting
Fort Lauderdale, FL

Southern Thoracic Surgical Association (STSA)

633 N. Saint Clair St., Suite 2100
Chicago, IL 60611

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