

MEETING DATES

Nov. 2–5, 2023

EXHIBIT DATES

Nov. 3–4, 2023

STSA

ANNUAL MEETING

CONFERENCE PROGRAM





TABLE OF CONTENTS

III	Letter from the STSA Program Committee
IV	Committees and Reviewers
V	Disclosure Policy
1	Thursday, November 2
1	STSA Postgraduate Program: Cardiothoracic Surgery Movie Night
2	Friday, November 3
2	Basic Science Forum
3	General Thoracic Rapid Fire Early-Riser Session
4	First Scientific Session
5	General Session: President's Invited Lecturer and Presidential Address
5	Second Scientific Session
7	Robert M. Sade Ethics Lectureship
8	Third Scientific Session
9	Saturday, November 4
9	Fourth Scientific Session
12	Fifth Scientific Session
15	General Session: Education, Innovation, and Excellence in CT Surgery
16	Sixth Scientific Session
18	Sunday, November 5
18	STSA Postgraduate General Session
19	Scientific Posters
24	General Information

DEAR COLLEAGUE

As the 2023 STSA Program Committee, it is our pleasure to extend this invitation to you to attend the STSA 70th Annual Meeting, November 2-5, 2023, at the Loews Sapphire Falls Resort in Orlando, FL.

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 Conference Program. We are maintaining a similar, highly acclaimed schedule as the 2022 program. On Thursday evening, Nov. 2, settle into the beautiful resort, and attend the first half of the STSA Postgraduate Program featuring cardiothoracic video abstract presentations and interactive discussions from STSA experts, with topics from each subspecialty. The STSA Program Committee considered topic suggestions received from previous year meeting attendees when creating the 2023 program and implemented new sessions that will address the educational needs of our STSA members.

On Friday morning, Nov. 3, the meeting will kick off with a General Thoracic Rapid-Fire session and the Basic Science Forum, followed by a plenary session with outstanding paper presentations, including the Harold Urschel History Lecture. Friday morning continues with the President's Invited Lecture, and the Presidential Address. The afternoon begins with simultaneous subspecialty breakout sessions with some invited lectures. The Robert M. Sade Ethics Lectureship takes place in the afternoon to debate the topic *Should a Seemingly Opioid-Impaired Surgeon Be Reported to Authorities?*.

On Saturday, Nov. 4 concurrent breakout sessions will feature cardiac, general thoracic: esophagus, 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 in the Exhibit Hall throughout the meeting.

The meeting will conclude with the second half of the Postgraduate Program to be held Sunday morning, Nov. 5. The session will begin 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 session 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 Friday, Nov. 3, 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 Saturday, Nov. 4, 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 Loews Sapphire Falls Resort is conveniently located just 15 miles from the nearest major airport.

Make plans to reconnect and join your STSA colleagues in November. We look forward to seeing you at the Loews Sapphire Falls Resort.

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 70th Annual Meeting program.

PROGRAM COMMITTEE

Vinay Badhwar, MD (Co-Chair)
James St. Louis, MD (Co-Chair)
Shanda H. Blackmon, MD
Mark Bleiweis, MD
Melanie A. Edwards, MD
Jeffrey P. Jacobs, MD
Scott A. LeMaire, MD
Daniel L. Miller, MD
Daniela Molena, MD
Jennifer S. Nelson, MD
Tom C. Nguyen, MD
Allan Pickens, MD
Vinod H. Thourani, MD
Stephen C. Yang, MD

POSTGRADUATE COMMITTEE

Mark Block, MD (Co-Chair)
Damien LaPar, MD (Co-Chair)
Shanda H. Blackmon, MD
Lisa M. Brown, MD
Puja G. Khaitan, MD
Christopher J. Knott-Craig, MD
Scott A. LeMaire, MD
Daniel L. Miller, MD
Daniela Molena, MD
Bradley S. Taylor, MD
Vinod H. Thourani, MD
Stephen C. Yang, MD

ABSTRACT REVIEWERS

Ghulam Abbas, MD
Raed Alnajjar, MD
Bahaaldin Alsoufi, MD
Vinay Badhwar, MD
Faisal Bakaeen, MD
Lauren Barron, MD
Brian Bateson, MD
Thomas Beaver, MD
Shanda H. Blackmon, MD
Mark Bleiweis, MD
Mark Block, MD
Alejandro Bribriescio, MD
F. Curtis Bryan, MD
Andrea Carpenter, MD
Philip Carrott, MD
Ali Dodge-Khatami, MD
William Douglas, MD
Melanie A. Edwards, MD
Pirooz Eghtesady, MD
John Entwistle, MD
Richard Freeman, MD
James Gangemi, MD
Barry Gibney, MD
William Gibson, MD
Lawrence Greiten, MD
Stephen Hazelrigg, MD
Dawn Hui, MD
Jeffrey P. Jacobs, MD
Jeffrey Javidfar, MD

Michael Jessen, MD
William B. Keeling, MD
Ahmet Kilic, MD
Jacob Klapper, MD
Deborah Kozik, MD
Damien LaPar, MD
Richard Lee, MD
Scott A. LeMaire, MD
Bradley Leshnowar, MD
Daniel L. Miller, MD
Daniela Molena, MD
Ezequiel Molina, MD
Jennifer S. Nelson, MD
Tom C. Nguyen, MD
Allan Pickens, MD
Ourania Preventza, MD
T. Brett Reece, MD
J. Matthew Reinersman, MD
Edward Savage, MD
Stefano Schena, MD
James St. Louis, MD
Randy Stevens, MD
Nicholas Teman, MD
Vinod H. Thourani, MD
Betty Tong, MD
Joseph Turek, MD
Benjamin Wei, MD
Stephen C. Yang, MD
Sanford Zeigler, MD



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

Review the STSA Disclosure Index at [stsa.org](https://www.stsa.org).

STSA 70TH ANNUAL MEETING

This activity has been 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.

The Southern Thoracic Surgical Association gratefully acknowledges the following for their educational grant support:

Abbott
Edwards Lifesciences
Medtronic



SCHEDULE**

THURSDAY, NOVEMBER 2, 2023

STSA POSTGRADUATE PROGRAM

Location: Grand Caribbean 6

CME Credits Available: 2.0

7:00 pm – 9:00 pm

Postgraduate Program – General Session

Join us Thursday 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, and join your colleagues for a "Cardiothoracic Surgery Movie Night" including videos representing all sub-specialties accompanied by interactive discussion. Heavy hors d'oeuvres and refreshments will be served.

CARDIOTHORACIC SURGERY MOVIE NIGHT

Moderators: **Mark Block**, Memorial Healthcare System, Hollywood, FL; **Damien LaPar**, Children's Heart Institute, Houston, TX; **Bradley Leshnowar**, Emory University, Atlanta, GA

Resident Moderator: **Thaniyyah Ahmad**, John's Hopkins Hospital, Baltimore, MD

7:00 PM – 7:13 PM

PG-V1. Radical Resection of Pediatric Anterior Mediastinal Atypical Spindle Cell

Damien LaPar¹, Blaz Podgorsek², Julija Dobrila², Alexis Kennedy², 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

7:13 PM – 7:26 PM

PG-V2. Technique of Axillary Insertion of Intra-Aortic Balloon Pump

Mohammad Alomari, Ishaq Wadiwala, Pankaj Garg, Anthony Pham, Basar Sareyyupoglu, Si Pham
Mayo Clinic Florida, Jacksonville, FL

7:26 PM – 7:39 PM

PG-V3. Open Pectus Repair With Biomaterial Stabilization

Philip Coffey¹, John Kuckelman¹, Daniel Miller²

¹Augusta University, Augusta, GA; ²Medical College of Georgia, Augusta University, Atlanta, GA

7:39 PM – 7:52 PM

PG-V4. Proximal-First Zone 2 Arch Repair Using a Trifurcated Graft for Acute Type A Aortic Dissection

Suguru Ohira¹, Kai Masashi¹, Joshua Goldberg¹, Ramin Malekan¹, Vasiliki Gregory², Steven Lansman¹, David Spielvogel¹

¹Westchester Medical Center, New York Medical College, Valhalla, NY; ²New York Medical College School of Medicine, Valhalla, NY

7:52 PM – 8:05 PM

PG-V5. Novel Technique for Implantation of Stented Jugular Vein Valve at Left AVV Location

Tayyaba Malik¹, Robert Jaquiss², Ryan R. Davies³, Nicholas Andersen⁴, Steven Leonard³, Karl Reyes³

¹UT Southwestern Medical Center, Dallas, TX; ²UT Southwestern Medical Center and Children's Health System of Texas, Dallas, TX; ³University of Texas Southwestern Medical Center, Dallas, TX; ⁴Children's Medical Center Dallas and UT Southwestern, Dallas, TX

8:05 PM – 8:18 PM

PG-V6. Minimally Invasive Intra-Thoracic Rib Fixation - A Two-Year Experience

Juliano Lentz Carvalho, Susana Fortich, Roman Petrov, Gal Levy
The University of Texas Medical Branch, Galveston, TX

8:18 PM – 8:31 PM

PG-V7. 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

8:31 PM – 8:44 PM

PG-V8. Novel Technique for Unroofing an Anomalous Coronary Artery**Monroe McKay**¹, Christian Eisenring², Ashley Wilson², Brian Reemtsen³, Lawrence Greiten³¹University of Arkansas for Medical Sciences, Little Rock, AR;²Arkansas Children's Hospital, Little Rock, AR; ³University of Arkansas for Medical Sciences/ Arkansas Children's Hospital, Little Rock, AR

8:44 PM – 8:57 PM

PG-V9. Robotic Right Upper Lobe Apical Segmentectomy**Benjamin Wei**, William Kim

University of Alabama at Birmingham, Birmingham, AL

7:10 AM – 7:20 AM

2B. Comparison of Different Porcine Models Simulating Myocardial Cold Ischemia of the Pediatric Donor Heart**Yuriy Stukov**¹, Mark Bleiweis¹, Giles Peek¹, Keith March², Elaine Richards³, Edward Staples¹, Jeffrey Jacobs¹¹University of Florida, Gainesville, FL; ²UF Center for Regenerative Medicine, Department of Medicine, Division of Cardiovascular Medicine, University of Florida, Gainesville, FL; ³Department of Physiology and Aging, University of Florida, Gainesville, FL**Discussant:** Damien LaPar, UTHealth Houston's Children's Heart Institute, Houston, TX

7:20 AM – 7:30 AM

3B. Inhaled Hydrogen Gas Attenuates Neurologic Injury Following Warm Ischemia**Andrew Young**¹, Raymond Strobel¹, Hari Prasad Osuru², Evan Rotar¹, Irving Kron¹, Victor Laubach¹, Robert Thiele³, Mark Roeser¹¹University of Virginia, Charlottesville, VA; ²University of Virginia School of Medicine, Charlottesville, VA; ³UVA School of Medicine, Charlottesville, Virginia**Discussant:** George Arnaoutakis, University of Florida, Gainesville, FL

7:30 AM – 7:40 AM

4B. Detecting Molecular Residual Esophageal Adenocarcinoma by Utilizing Circulating Tumor DNA - Preliminary Data**Mohamad K. Abou Chaar**, Luis Tapias, K. Robert Shen, Dennis Wigle, Stephen Cassivi, Christopher Hallemeier, Harry Yoon, Zhaohui Jin, Cameron Callaghan, Shanda Blackmon
Mayo Clinic, Rochester, MN**Discussant:** Kiran Lagisetty, University of Michigan, Ann Arbor, MI

7:40 AM – 7:50 AM

5B. What is the Weakest Point of a Secured Aortic Cannula in Central Extracorporeal Membrane Oxygenation**Kayla Lucas**¹, Yuriy Stukov¹, Jeffrey Jacobs¹, Omar Sharaf¹, Matthew Purlee¹, Tatiana Delaleu², Mark Bleiweis¹, Giles Peek¹¹University of Florida, Gainesville, FL; ²Congenital Heart Center, University of Florida, Gainesville, FL**Discussant:** Nicholas Teman, University of Virginia, Charlottesville, VA

7:50 AM – 8:00 AM

6B. Tricuspid Anteroposterior Patch (TAP) Repair: Optimization of Patch Geometry in an Ex Vivo Model**Emily Larson**¹, Hannah Rando¹, Emily Rodriguez¹, Rachael Quinn¹, James Gammie²¹Johns Hopkins University School of Medicine, Baltimore, MD;²Johns Hopkins Hospital, Baltimore, MD**Discussant:** J. Hunter Mehaffey, West Virginia University, Morgantown, WV

FRIDAY, NOVEMBER 3, 2023
EXHIBITS OPEN**Location:** Grand Caribbean 7

10:00 am – 12:00 pm

1:00 pm – 3:30 pm

7:00 AM – 8:00 AM

BASIC SCIENCE FORUM**Location:** Grand Caribbean 3 – 5**Moderators:** David Jones, Memorial Sloan Kettering Cancer Center, New York, NY ; Scott LeMaire, Geisinger, Danville, PA**Resident Moderator:** Kaitlin Bevers, Memorial Sloan Kettering Cancer Center, New York, NY

7:00 AM – 7:10 AM

1B. Genetic Profiles of Iatrogenic Tracheal Stenosis: Identifying Molecular Targets and Potential Therapeutic Options**Russell Seth Martins**¹, Joanna Weber¹, Kostantinos Poulidakis¹, Syed Razi¹, M. Jawad Latif¹, Robert Lebovics¹, Faiz Bhora²¹Hackensack Meridian Health, Edison, NJ; ²Hackensack Meridian Health and Hackensack Meridian School of Medicine, Edison, NJ**Discussant:** Luis Tapias Vargas, Mayo Clinic, Rochester, MN

7:00 AM – 8:00 AM

**GENERAL THORACIC RAPID FIRE
EARLY RISER SESSION****Location: Grand Caribbean 6****Moderators:** Mark Block, Memorial Healthcare System, Hollywood, FL; Richard Freeman, Loyola University Medicine, Maywood, IL**Resident Moderator:** Raffaele Rocco, Mayo Clinic, Rochester, MN

7:00 AM – 7:05 AM

GT-R1. Association of Gas Prices and Access Costs With Lung Cancer Outcomes in the United States**Raymond Verm**¹, Simon Park², Marshall Baker¹, Tyler Cohn¹, James Swanson¹, Richard Freeman³, Zaid Abdelsattar¹¹Loyola University Medical Center, Maywood, IL; ²Loyola University Chicago Stritch School of Medicine, Maywood, IL; ³Loyola University Medicine, Chicago, IL

7:05 AM – 7:10 AM

GT-R2. Evaluation of the Safety of Telehealth for the Initial Surgical Evaluation of General Thoracic Patients**Stanley Kalata**¹, Ryan Eton², Rishindra Reddy², Jules Lin², William Lynch², Andrew Chang², Kiran Lagisetty²¹Michigan Medicine, Ann Arbor, MI; ²University of Michigan Health System, Ann Arbor, MI

7:10 AM – 7:15 AM

GT-R3. Treatment of Unsuspected T4 Non-Small-Cell Lung Cancer With Additional Intrapulmonary Nodules**Arvind Kumar**¹, Deepti Srinivasan², Shivee Gilja¹, Alexandra Potter², Camille Mathey-Andrews², Lana Schumacher², Chi-Fu Yang²¹Icahn School of Medicine at Mt. Sinai, New York, NY; ²Massachusetts General Hospital, Boston, MA

7:15 AM – 7:20 AM

GT-R4. Assessment of Lymph Node Evaluation Standard in Patients Undergoing Pulmonary Resection for Clinical Stage IA NSCLC**Raffaele Rocco**, Brandon Hendriksen, K. Robert Shen, Stephen Cassivi, Sahar Saddoughi, Janani Reisenauer, Francis Nichols, Dennis Wigle, Shanda Blackmon, Luis Tapias

Mayo Clinic, Rochester, MN

7:20 AM – 7:25 AM

GT-R5. TPX2 as a Novel Tumor Marker for Non-Small Cell Lung Cancer**Lee Santore**¹, Robert Tseng², Samantha Novotny³, Mit Patel³, Justin Leu³, Barbara Nemesure³, Ankit Dhamija⁴, Henry Tannous³, Kenneth Shroyer³, Thomas Bilfinger³¹Mayo Clinic, Rochester, MN; ²Yale School of Medicine, New Haven, CT; ³Renaissance School of Medicine at Stony Brook University, Stony Brook, NY; ⁴Stony Brook University, Setauket, NY

7:25 AM – 7:30 AM

GT-R6. Results of Surgery and Stereotactic Body Radiotherapy for Stage I Small Cell Carcinoma of the Lung: A 25-Year Single-Institution Experience**Lary Robinson**, Tawee Tanvetyanon, Noah Robinson, Sandra Bryant, Alexis Bailey, Damon Reed, Thomas Dilling

Moffitt Cancer Center, Tampa, FL

7:30 AM – 7:35 AM

GT-R7. Clinical Utility of Pre-Operative Plasma Next Generation Sequencing in Early-Stage Lung Cancers**Mathew Ninan**¹, Paul Walker²¹HCA Florida Healthcare, Trinity, FL; ²Circulogene, Pensacola, FL

7:35 AM – 7:40 AM

GT-R8. Safety and Efficacy of Robotic First Rib Resection With Adjuvant Endovascular Therapy for Paget Schroetter Syndrome**Alejandro Zulbaran y Rojas**¹, Miguel Montero-Baker², Nihanth Palivela¹, Catherin Park¹, Bijan Najafi¹, Jayer Chung¹, Joseph Mills¹, Bryan Burt¹¹Baylor College of Medicine, Houston, TX; ²HOPE Clinical Innovation Center, Houston, TX

7:40 AM – 7:45 AM

GT-R9. Access to Minimally Invasive Lung Cancer Surgery Among Medicare Beneficiaries is Limited More by Rurality and Poverty Than Race**J. W. Awori Hayanga**¹, Stuart Campbell¹, James Mehaffey¹, Jason Lamb², Vinay Badhwar¹, Alper Toker¹¹West Virginia University, Morgantown, WV; ²West Virginia University Heart and Vascular Institute, Morgantown, WV

7:45 AM – 7:50 AM

GT-R10. Morbidity and Mortality After Anti-Reflux and Hiatal Hernia Surgery Across a Spectrum of Ages**Megan Ivy**, Alexander Farivar, George Baison, Cassandra Griffin, Adam Bograd, Peter White, Brian Louie

Swedish Medical Center, Seattle, WA

8:00 AM – 10:30 AM

FIRST SCIENTIFIC SESSION**Location: Grand Caribbean 6**

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. Concomitant Treatment of Atrial Fibrillation in Isolated Coronary Artery Bypass Grafting

James Mehaffey, Lawrence Wei, J. W. Awori Hayanga, Dhaval Chauhan, Christopher Mascio, J. Scott Rankin, Vinay Badhwar West Virginia University, Morgantown, WV

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

8:15 AM – 8:30 AM

2. Adherence to Post-Operative Survivorship Quality Metrics Is Associated With Improved Outcomes in Early-Stage Non-Small Cell Lung Cancer

Brendan Heiden¹, Theodore Thomas¹, Daniel Eaton, Jr.², Ulysses Labilles², Su-Hsin Chang¹, Yan Yan¹, Martin Schoen², Daniel Kreisel¹, Ruben Nava¹, Bryan Meyers¹, Benjamin Kozower¹, Varun Puri¹
¹Washington University School of Medicine, St. Louis, MO; ²VA St. Louis Healthcare System, St. Louis, MO

Discussant: Shanda Blackmon, Mayo Clinic, Rochester, MN

8:30 AM – 8:45 AM

3. Risk of Reoperative Cardiac Surgery in Congenital Heart Disease: A Society of Thoracic Surgeons Congenital Heart Surgery Database Study

Elaine Griffeth¹, Elizabeth Stephens¹, Luke Burchill¹, Jonathan Johnson¹, Crow Sheri¹, Jeffrey Jacobs², Marshall Jacobs³, Austin Todd¹, Joseph Dearani¹

¹Mayo Clinic, Rochester, MN; ²University of Florida, Gainesville, FL;

³Johns Hopkins University School of Medicine, Baltimore, MD

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

8:45 AM – 9:00 AM

4. Nationwide Comparison of Incidence and Outcomes of Permanent Pacemaker Insertion After Surgical Versus Transcatheter Aortic Valve Replacement

Craig Jarrett, Yasir Abu-Omar, Cristian Baeza, Yakov Elgudin, Kelsey Gray, Alan Markowitz, Igo Ribeiro, Pablo Ruda Vega, Gregory Rushing, Joseph Sabik, Marc Pelletier

University Hospitals Cleveland Medical Center, Cleveland, OH

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

9:00 AM – 9:15 AM

5. Segmentectomy vs. Lobectomy for Patients With 2-3cm Non-Small-Cell Lung Cancers

Camille Mathey-Andrews¹, Hiba Elkhatib¹, Alexandra Potter¹, Arvind Kumar², Arian Mansur³, Michael Lanuti¹, Lana Schumacher¹, Chi-Fu Yang¹

¹Massachusetts General Hospital, Boston, MA; ²Icahn School of Medicine at Mt. Sinai, New York, NY; ³Harvard Medical School, Boston, MA

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

9:15 AM – 9:30 AM

6. An Analysis of 112 Patients With Congenital Heart Disease Undergoing Cardiac Transplantation: The Impact of Pre-Transplant Ventricular Assist Device

Mark Bleiweis, F. Fricker, Dipankar Gupta, Renata Shih, Joseph Philip, Giles Peek, Yuriy Stukov, Omar Sharaf, Dan Neal, Bill Pietra, Jeffrey Jacobs

University of Florida, Gainesville, FL

Discussant: James St. Louis, Children's Hospital of Georgia, Augusta, GA

9:30 AM – 9:45 AM

7. Lower Socioeconomic Status Impacts Readmission After Left-Sided Valve Replacement for Infective Endocarditis: A Nationwide Analysis of 13,694 Patients

Paige Brlecic¹, Katie Hogan², Christopher Sylvester¹, Joseph Coselli³, Marc Moon⁴, Todd Rosengart¹, Ravi Ghanta¹, Subhasis Chatterjee¹

¹Baylor College of Medicine, Houston, TX; ²Baylor College of Medicine, Medical Scientist Training Program, Houston, TX; ³(1) Baylor College of Medicine, (2) Texas Heart Institute, (3) CHI Baylor St Luke's Medical Center, Houston, TX; ⁴Baylor College of Medicine and Texas Heart Institute, Houston, TX

Discussant: Kevin Accola, AdventHealth Orlando, Orlando, Florida

9:45 AM – 10:00 AM

8. Long-Term Esophageal Cancer Survivors Struggle With Severe Symptoms After Curative Esophagectomy

Mohamad K. Abou Chaar¹, Anny Godin², Sahar Saddoughi¹, Scott Harmsen¹, Minji Lee¹, Karlyn Pierson¹, Kathryn Ruddy¹, Kathleen Yost¹, Shanda Blackmon¹

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

Discussant: Onkar Khullar, Emory University School of Medicine, Atlanta, GA

10:00 AM – 10:15 AM

9. Machine Learning Analysis of 40,000 Manuscripts Reveals Increased Focus on Clinical Research Among Academic Cardiac Surgeons

Ani Chandrabhatla¹, Adishesh Narahari¹, Kevin Qiu¹, Theodore Vasiliadis¹, Joseph Nguyen¹, Raymond Strobel¹, Kenan Yount¹, Leora Yarboro¹, Irving Kron¹, James Mehaffey², John Kern³, Nicholas Teman¹

¹University of Virginia, Charlottesville, VA; ²West Virginia University, Morgantown, WV; ³University of Virginia Health System, Charlottesville, VA

Discussant: Scott LeMaire, Geisinger, Danville, PA

HAROLD URSCHEL HISTORY LECTURESHIP

(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 Zwintscher

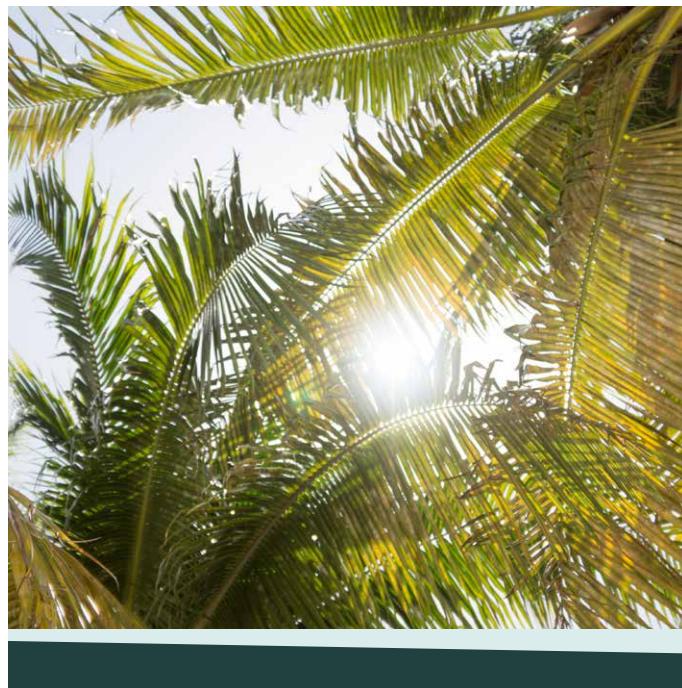
William Beaumont Army Medical Center, El Paso, TX

10:30 am – 11:00 am

BREAK – VISIT EXHIBITS

Location: Grand Caribbean 7

STS CT Surgery Resident Showdown, Round 1



V indicates STSA surgical video

GENERAL SESSION

Location: Grand Caribbean 6

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

INTRODUCTORY REMARKS

11:05 am – 11:25 am

PRESIDENT'S INVITED LECTURER

AI Healthcare for Cardiothoracic Surgeons

Ron Galloway, Galloway Healthcare Innovation, Atlanta, GA

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: Cayman Court (weather permitting)

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

*Industry sponsored lunch symposia will also be available during this time. Refer to the mobile application for additional details.

1:00 pm – 1:30 pm

BREAK – VISIT EXHIBITS

Location: Grand Caribbean 7

*Dessert will be served in the Exhibit Hall

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 Caribbean 6

Moderators: Dawn Hui, University of Texas Health Science Center at San Antonio, San Antonio, TX; Tom Nguyen, University of California San Francisco, San Francisco, CA

1:30 PM – 1:37 PM

11. Effects of 2018 Heart Allocation Policy Change on Donor Utilization and Survival for Patients Bridged With Durable Left Ventricular Assist Device**Armaan Akbar**¹, Benjamin Shou¹, Ahmet Kilic²¹*Johns Hopkins University School of Medicine, Baltimore, MD;*²*Johns Hopkins Hospital, Baltimore, MD***Discussant:** Jeffrey Jacobs, *University of Florida, Gainesville, FL*

1:39 PM – 1:46 PM

12. Relationship of Preoperative Anemia and Perioperative Blood Transfusion on Acute Kidney Injury in Cardiac Surgery**Raza Ahmad**¹, Raymond Strobel¹, Andrew Young¹, Alex Wisniewski¹, Anthony Norman², Ashley Zhang³, Jared Beller¹, Nicholas Teman¹¹*University of Virginia, Charlottesville, VA;* ²*University of Virginia Health Systems, Charlottesville, VA;* ³*University of Virginia School of Medicine, Charlottesville, VA***Discussant:** Thomas Beaver, *University of Florida, Gainesville, FL*

1:48 PM – 1:55 PM

13. Transcatheter vs Surgical Aortic Valve Replacement for Bicuspid Aortic Valve Disease**Divyaam Satija**¹, Asvin Ganapathi², Rachel Wolf¹, Scott Lilly², Konstantinos Boudoulas², Nancy Matre², Bryan Whitson², John Bozinovski², Nahush Mokadam², Matthew Henn²¹*The Ohio State University College of Medicine, Columbus, OH;*²*The Ohio State University Wexner Medical Center, Columbus, OH***Discussant:** Tsuyoshi Kaneko, *Washington University in St. Louis, St. Louis, MO*

1:57 pm – 2:07 pm

INVITED LECTURE**Robotic Aortic Valve Replacement for Aortic Valve Disease****Vinay Badhwar**, *West Virginia University, Morgantown, WV*

2:09 pm – 2:30 pm

Open Discussion**GENERAL THORACIC BREAKOUT****Location:** *Grand Caribbean 11–12***Moderators:** Min Kim, *Houston Methodist Hospital, Houston, TX;*Betty Tong, *Duke University Medical Center, Durham, NC***Resident Moderator:** Lillian Tsai, *Stanford University, Baltimore, MD*

1:30 PM – 1:37 PM

14. Pulmonary Metastasectomy for Adrenocortical Carcinoma – Not If, but When**Frank Villa Hernandez**, Shamus Carr, Diana Varghese, Hyoyoung Choo-Wosoba, Martha Teke, Jaydira Del Rivero, Seth Steinberg, David Schrupp, Chuong Hoang*National Cancer Institute, NIH, Bethesda, MD***Discussant:** Hai Salfity, *University of Cincinnati, Cincinnati, OH*

1:39 PM – 1:46 PM

15. Firefighting Is Associated With Lung-RADS 4 Nodules On Low-Dose CT Scan**Seungjun Kim**¹, Annie Lally¹, Maria Pulvino¹, Palmi Shah¹, Sarah Lynne¹, James Katsis¹, Gillian Alex², Justin Karush¹, Christopher Seder¹, Michael Liptay¹, Nicole Geissen¹¹*Rush University Medical Center, Chicago, IL;* ²*Rush University Hospital, Chicago, IL***Discussant:** Philip Carrott, Jr., *University of Virginia, Charlottesville, VA*

1:48 PM – 1:55 PM

16. Pulmonary Surgical Margins for Metastatic Osteosarcoma: Is Negative Margin Enough?**Michael Eisenberg**¹, Nathaniel Deboever², Mara Antonoff¹, Reza Mehran², Ravi Rajaram¹, Jack Roth², Stephen Swisher², Ara Vaporicyan², Garrett Walsh², Wayne Hofstetter²¹*MD Anderson Cancer Center, Houston, TX;* ²*University of Texas, MD Anderson Cancer Center, Houston, TX***Discussant:** Luis Tapias Vargas, *Mayo Clinic, Rochester, MN*

1:57 PM – 2:04 PM

17. Improving Outcomes Via Process Improvements and Innovation: 1,506 Consecutive Robotic Lobectomy and Segmentectomy**Natalie Ostro**¹, Charles Kambourakis¹, Robert Cerfolio²¹*NYU Langone Health, New York, NY;* ²*New York University, New York, NY*

2:04 pm – 2:14 pm

INVITED LECTURE**Robotic Segmentectomy: Lessons Learned****Manu Sancheti**, *Emory University, Atlanta, GA*

2:14 pm – 2:30 pm

Open Discussion

CONGENITAL BREAKOUT**Location: Grand Caribbean 8–10****Moderators:** Mark Bleiweis, *University of Florida, Gainesville, FL*; Damien LaPar, *UTHealth Houston Children's Heart Institute, Houston, TX***Resident Moderator:** Alexander Mills, *McGovern Medical School, UTHealth Houston, Houston, TX*

1:30 PM – 1:37 PM

18V. Single Stage Neonatal Yasui Procedure in the Setting of Congenitally Absent Aortic Valve and Interrupted Aortic Arch**Alexander Merriman**, Peter Kouretas, Naveen Swami, Nicole Cresalia, Anita Moon-Grady, Vadiyala Reddy
University of California San Francisco, San Francisco, CA

1:39 PM – 1:46 PM

19. Improved Surgical Management of Complex Neonates with Heterotaxy Syndrome**Alexander Mills**¹, Ashley Dawson¹, Michael Scott², Alexis Kennedy¹, Beau Bequeaith¹, Jorge Salazar¹, Damien LaPar³¹McGovern Medical School at UTHealth, Houston, TX; ²University of Texas Health Science Center Houston, Houston, TX; ³UTHealth Houston Children's Heart Institute, Houston, TX**Discussant:** Jonathan Chen, *Children's Hospital of Philadelphia, Philadelphia, PA*

1:48 PM – 1:55 PM

20. Staged Repair of Borderline Hypoplastic Heart Disease with Early Biventricular Conversion**Nicholas Andersen**¹, Douglas Overbey², Neel Prabhu², Andrew McCrary², Jennifer Sherwin², Veerajalandhar Allareddy², Joseph Turek³¹Children's Medical Center Dallas and UT Southwestern, Dallas, TX; ²Duke University Medical Center, Durham, NC; ³Duke University School of Medicine, Durham, NC**Discussant:** Damien LaPar, *Children's Heart Institute, Houston, TX*

1:57 PM – 2:04 PM

21. Days Alive and Out of Hospital for Children Born with Single Ventricle Heart Disease**Cathlyn Medina**¹, Neel Prabhu¹, Isaac Alderete¹, Lauren Parker², Hoe King Lim¹, Mary Moya-Mendez², Lillian Kang¹, Michael Campbell¹, Joseph Turek², Nicholas Andersen³¹Duke University Medical Center, Durham, NC; ²Duke University School of Medicine, Durham, NC; ³Children's Medical Center Dallas and UT Southwestern, Dallas, TX**Discussant:** Danielle Gottlieb Sen, *Johns Hopkins Children's Center, Baltimore, MD*

2:04 pm – 2:14 pm

INVITED LECTURE**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*

2:14 pm – 2:30 pm

Open Discussion

2:30 pm – 3:00 pm

BREAK – VISIT EXHIBITS**Location: Grand Caribbean 7****STS CT Surgery Resident Showdown, Round 2****ROBERT M. SADE ETHICS LECTURESHIP****Location: Grand Caribbean 6**

3:00 pm – 3:45 pm

CME Credits Available: .75

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

3:00 pm – 3:05 pm

Introduction: Should a Seemingly Opioid-Impaired Surgeon Be Reported to Authorities?**Andrea Carpenter**, *University of Texas Health Science Center, San Antonio, TX*

3:05 pm – 3:15 pm

Pro: Should a Seemingly Opioid-Impaired Surgeon Be Reported to Authorities?**Virginia Litle**, *St. Elizabeth's Medical Center, Boston, MA*

3:15 pm – 3:25 pm

Con: Should a Seemingly Opioid-Impaired Surgeon Be Reported to Authorities?**Brandi Scully**, *Johns Hopkins All Children's Hospital, St. Petersburg, FL*

3:25 pm – 3:35 pm

Rebuttal: Should a Seemingly Opioid-Impaired Surgeon Be Reported to Authorities?**Virginia Litle**, *St. Elizabeth's Medical Center, Boston, MA***Brandi Scully**, *Johns Hopkins All Children's Hospital, St. Petersburg, FL*

3:35 pm – 3:45 pm

Panel Discussion and Audience Q&A

3:45 pm – 5:00 pm

THIRD SCIENTIFIC SESSION**Location: Grand Caribbean 6**

CME Credits Available: 1.25

Moderators: **Vinay Badhwar**, *West Virginia University, Morgantown, VA*; **James St. Louis**, *Children's Hospital of Georgia, Augusta, GA*

Resident Moderator: **Brandon Hendriksen**, *Mayo Clinic, Rochester, MN*

3:45 PM – 3:54 PM

22. Mechanical Circulatory Support Devices for Post-Cardiotomy Shock – Prevalence and Outcomes From a Decade of Statewide Registry Data

Rahul Rajeev¹, Andrew Phillips², Raymond Strobel³, Alex Wisniewski³, Andrew Young³, Clifford Fonner, Alan Speir⁴, Nicholas Teman³, Michael Mazzeffi⁵, Mark Joseph⁶, Ramesh Singh⁴, Daniel Tang⁷, Michael Kontos¹, Vigneshwar Kasirajan¹, Mohammed Quader¹

¹Virginia Commonwealth University, Richmond, VA; ²VCU School of Medicine, Richmond, VA; ³University of Virginia, Charlottesville, VA; ⁴Inova Heart and Vascular Institute, Falls Church, VA;

⁵University of Virginia Health Systems, Charlottesville, VA;

⁶Carilion Clinic, Roanoke, VA; ⁷Inova Health System, Fairfax, VA

Discussant: Ezequiel Molina, *Piedmont Heart Institute, Atlanta, GA*

3:54 PM – 4:03 PM

23. Disparities in Young Black Patients With Lung Cancer – Is There a Role for Earlier Screening?

Fatima Wilder¹, Miles McAllister¹, Anupama Singh¹, Michael Jaklitsch¹, Emanuele Mazzola², Yue Xie²

¹Brigham and Women's Hospital, Boston, MA; ²Dana Farber Cancer Institute, Boston, MA

Discussant: **Melanie Edwards**, *IHA Cardiovascular & Thoracic Surgery, Ypsilanti, MI*

4:03 PM – 4:12 PM

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

Yoshio Otaki¹, Ashok Muralidaran¹, Inder Mehta², Michael Walsh³, Ross Ungerleider

¹Oregon Health Science University, Portland, OR; ²Driscoll Children's Hospital, Corpus Christi, TX; ³Atrium Health Wake Forest Baptist, Winston Salem, NC

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

4:12 PM – 4:21 PM

25. Long-Term Outcomes of Porcine and Pericardial Prosthesis in Mitral Valve Replacement in 1162 Patients

Brittany Zwischenberger¹, Donald Glower², Keith Carr¹

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

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

4:21 PM – 4:30 PM

26. Segmentectomy for Lung Cancer: Trends in Approach and Center Volume Data Among STS GTSD Participants

Ammara Watkins¹, Edilin Lopez², Cameron Stock, Jr.², Tasneem Rizvi², Henry Ssemaganda², Zhibang Lin², Elliot Servais²

¹Lahey Hospital and Medical Center, Tufts University School of Medicine, Burlington, MA; ²Lahey Hospital and Medical Center, Burlington, MA

Discussant: Stephen Yang, *Johns Hopkins Medical Institutions, Baltimore, MD*

4:30 PM – 4:39 PM

27. Midterm Durability of Valve-Sparing Root Replacement in Bicuspid and Tricuspid Aortic Valves

Anthony Tran¹, Emily Shih², Katherine Harrington³, Justin Schaffer³, Zuyue Wang³, J. Michael DiMaio³, Michael Mack³, William Ryan³, William Brinkman³

¹Doylestown Health, Doylestown, PA; ²Baylor University Medical Center, Dallas, TX; ³Baylor Scott & White, The Heart Hospital, Plano, TX

Discussant: **Anthony Estrera**, *McGovern Medical School at UTHealth, Houston, TX*

4:39 PM – 4:48 PM

28. Morbidity and Mortality in Systemic to Pulmonary Artery Shunts in Neonates in Low and Middle-Income Countries: An Eleven-Year Study

William Novick¹, Oleksandr Golovenko², Vasyl Lazoryshynets², Hanifa.S.Alrabte³, Naema Goobhaa⁴, Liliia Prokopovych², Vitaly Dedovich⁵, Firas Al-Nuaim⁶, Marcelo Cardarelli⁷, Thomas DiSessa⁸

¹University of Tennessee Health Science Center-Global Surgery Institute, Memphis, TN; ²Amosov National Institute of Cardiovascular Surgery, Kyiv, Ukraine; ³Tripoli Children's Hospital/University of Tripoli, Libya; ⁴Benghazi Medical Center, Benghazi, Libya; ⁵Novick Cardiac Alliance, Bialystok, Poland; ⁶Basra Oil Hospital for Cardiology and Cardiac Surgery, Basra, Iraq; ⁷The William Novick Global Cardiac Alliance, Memphis, TN; ⁸Novick Cardiac Alliance/University of Kentucky, Lexington, KY

Discussant: Jeffrey Jacobs, *University of Florida, Gainesville, FL*

4:48 PM – 4:57 PM

29. Medical Student Role in the Cardiothoracic Surgery Operating Room: Results of a Needs Assessment to Optimize Involvement

Kayla Lاراia¹, Nathaniel Deboever², Dylan Nieman¹, Mara Antonoff²

¹Rutgers Robert Wood Johnson Medical School, New Brunswick, NJ; ²University of Texas, MD Anderson Cancer Center, Houston, TX

Discussant: Kiran Lagisetty, University of Michigan, Ann Arbor, MI

6:00 pm – 7:00 pm

Residents Reception

Location: Grand Caribbean 2

7:00 pm – 9:00 pm

President's Mixer

Location: Cayman Court (weather permitting)



SATURDAY, NOVEMBER 4, 2023

EXHIBITS OPEN

Location: Grand Caribbean 7

8:00 am – 12:00 pm

1:00 pm – 3:00 pm

FOURTH SCIENTIFIC SESSION**Simultaneous Adult Cardiac, Thoracic, Congenital and Lung Transplant Breakout Sessions**

7:00 AM – 8:30 AM

CME Credits Available: 1.5

ADULT CARDIAC BREAKOUT

Location: Grand Caribbean 6

Moderators: Gorav Ailawadi, University of Michigan, Ann Arbor, MI; Ezequiel Molina, Piedmont Heart Institute, Atlanta, GA

Resident Moderator: David Blitzer, Columbia University Medical Center, New York, NY

7:00 AM – 7:12 AM

30. Impact of Donor Sequence Number on Heart Transplant Outcomes

Alice Zhou¹, Jessica Ruck, Emily Larson¹, Alfred Casillan², Allan Massie³, Dorry Segev³, Ahmet Kilic²

¹Johns Hopkins School of Medicine, Baltimore, MD; ²Johns Hopkins Hospital, Baltimore, MD; ³NYU Langone Grossman School of Medicine, New York, NY

Discussant: Arman Kilic, Medical University of South Carolina, Charleston, SC

7:12 AM – 7:24 AM

31. Community Socioeconomic Distress is Associated With Worse Access to Heart and Lung Transplantation in the United States

Taylor Horgan¹, Ani Chandrabhatla¹, Adishesh Narahari¹, John Kern², Nicholas Teman¹, James Mehaffey³, Christopher Scott, Leora Yarboro¹, Philip Carrott, Jr.¹

¹University of Virginia, Charlottesville, VA; ²University of Virginia Health System, Charlottesville, VA; ³West Virginia University, Morgantown, WV

Discussant: Thomas MacGillivray, MedStar Washington Hospital Center, Washington, DC

7:24 AM – 7:36 AM

32. Donor Cardiac Allograft Undersizing is Associated with Early Mortality Alone and Excellent Late Hemodynamics

Chetan Pasrija¹, Alexandra DeBose-Scarlett¹, Hasan Siddiqi¹, Daniel Ragheb², Kaushik Amancherla¹, Douglas Brinkley¹, Henry Ooi¹, Lynn Punnoose¹, Aniket Rali¹, Suzanne Sacks¹, Mark Wigger¹, William McMaster, Jr¹, Ashish Shah¹, Kelly Schlendorf¹, John Trahanas¹

¹Vanderbilt University Medical Center, Nashville, TN; ²Vanderbilt University School of Medicine, Nashville, TN

Discussant: J. Hunter Mehaffey, West Virginia University, Morgantown, WV



7:36 AM – 7:48 AM

33. Interaction Between Race and Insurance Status in Heart Transplant Waitlist Outcomes and Post-Transplant Survival

Jennie Kwon, Philip Broughton, Zachary Sollie, Khaled Shorbaji, Arman Kilic

*Medical University of South Carolina, Charleston, SC***Discussant:** Ahmet Kilic, *Johns Hopkins Hospital, Baltimore, MD*

7:50 am – 8:10 am

Invited Lecture**Heart Transplantation With Donors With Circulatory Death (DCD)**Jacob Schroder, *Duke University Medical Center, Durham, NC*

8:10 am – 8:30 am

Open Discussion**GENERAL THORACIC: ESOPHAGUS BREAKOUT****Location: Grand Caribbean 11–12****Moderators:** Kumari Adams, *Trinity Health Ann Arbor Hospital, Ypsilanti, MI*; Daniela Molena, *Memorial Sloan Kettering Cancer Center, New York, NY***Resident Moderator:** Alexis Chidi, *MD Anderson Cancer Center, Houston, TX*

7:00 AM – 7:12 AM

34. Esophageal Skip Lesions: A Propensity Matched AnalysisMichael Eisenberg¹, Nathaniel Deboever², Mara Antonoff², Reza Mehran², Ravi Rajaram¹, Jack Roth², Stephen Swisher², Ara Vaporicyan², Garrett Walsh², Wayne Hofstetter²¹*MD Anderson Cancer Center, Houston, TX*; ²*University of Texas, MD Anderson Cancer Center, Houston, TX***Discussant:** Allan Pickens, *Vanderbilt University Medical Center, Nashville, TN*

7:12 AM – 7:24 AM

35. Novel Technique of Gastric Preconditioning by Percutaneous Angioembolization Prior to Esophagectomy

Kaitlin McLoughlin, Thomas Boerner, Ernesto Santos, Daniela Molena

*Memorial Sloan Kettering Cancer Center, New York, NY***Discussant:** Jinny Ha, *Johns Hopkins University School of Medicine, Baltimore, MD*

7:24 AM – 7:36 AM

36. The Concept and Preliminary Definition of Residual Uncertain [R(un)] Tumor Status in Esophageal CancerMegan Ivy¹, Sandra Blitz², Adam Bograd¹, Peter White¹, Alexander Farivar¹, Eric Vallieres¹, Brian Louie¹¹*Swedish Medical Center, Seattle, WA*; ²*Kelowna, British Columbia***Discussant:** Wayne Hofstetter, *MD Anderson Cancer Center, Houston, TX*

7:36 AM – 7:48 AM

37. Faster Return to Oral Intake Following Open Repair vs Stent Placement Following Spontaneous Esophageal PerforationJuan Munoz-Largacha¹, Chetan Pasrija², Whitney Burrows³, Kai He⁴, Benjamin Wei¹, James Donahue¹¹*University of Alabama at Birmingham, Birmingham, AL*;²*Vanderbilt University Medical Center, Nashville, TN*; ³*Lewis**Katz School of Medicine at Temple University, Philadelphia, PA*;⁴*University of Alabama at Birmingham School of Medicine, Birmingham, AL***Discussant:** Richard Freeman, *Loyola University Medicine, Maywood, IL*

7:48 AM – 8:00 AM

38. The Role of Immunotherapy in the Management of Esophageal Cancer in Patients Treated with Neoadjuvant Chemoradiation: An Analysis of the National Cancer Database

Panagiotis Tasoudis, Audrey Khoury, Steven Buckeridge, Gita Mody, Jason Long

*University of North Carolina, Chapel Hill, NC***Discussant:** Wayne Hofstetter, *MD Anderson Cancer Center, Houston, TX*

8:00 am – 8:10 am

INVITED LECTURE**Complex Esophagus Reconstruction**Shanda Blackmon, *Mayo Clinic, Rochester, MN*

8:10 am – 8:30 am

Open Discussion**CONGENITAL BREAKOUT****Location: Grand Caribbean 8 - 10****Moderators:** Jennifer Nelson, *Nemours Children's Hospital, Orlando, FL*; Steve Bibeovski, *Joe DiMaggio Children's Hospital, Hollywood, FL***Resident Moderator:** Stephanie Nguyen, *Columbia University Medical Center, New York, NY*

7:00 AM – 7:12 AM

39V. Open Hybrid Aortic Stent Placement for Recurrent Coarctation in Complex Single Ventricles**Peter Chen**¹, Julija Dobrila², Blaz Podgorsek², Zachary Cerra², Christopher Greenleaf², Damien LaPar³, Jorge Salazar²¹University of Texas Health Science Center at Houston, Houston, TX; ²McGovern Medical School at UTHealth, Houston, TX;³UTHealth Houston Children's Heart Institute, Houston, TX

7:12 AM – 7:24 AM

40V. Repair of a Complex Unicuspid/Nullicuspid Aortic Valve Defect Using Geometric Ring Annuloplasty**Michael Ciccolo**¹, J. Scott Rankin²¹Children's Heart Center Nevada, Las Vegas, NV; ²West Virginia University, Morgantown, WV**Discussant:** Mark Plunkett, The Children's Hospital of Illinois and the University of Illinois College of Medicine, Peoria, IL

7:24 AM – 7:36 AM

41. The Melody Valve is the Better Bridge to a Durable Prosthesis in Infants and Children With Unreparable Left Sided Atrioventricular Valves**Tayyaba Malik**¹, Robert Jaquiss², Ryan R. Davies¹, Nicholas Andersen³, Steven Leonard¹, Karl Reyes¹¹UT Southwestern Medical Center, Dallas, TX; ²UT Southwestern Medical Center and Children's Health System of Texas, Dallas, TX;³Children's Medical Center Dallas and UT Southwestern, Dallas, TX**Discussant:** James St. Louis, Children's Hospital of Georgia, Augusta, GA

7:36 AM – 7:48 AM

42. Stenting of the RVOT Promotes Less Conduit Insertion Compared With Arterial Duct Stenting in Symptomatic Patients With Fallot-Type LesionsFrank Scholl, Mark Ruzmetov, John Dentel, Larry Latson, Peter Guyon, Jr., **Steve Bibeovski**

Joe DiMaggio Children's Hospital, Hollywood, FL

Discussant: Peter Chen, University of Texas Health Science Center at Houston, Houston, TX

7:48 am – 8:00 am

Invited Lecture**New Developments in RVOT Reconstruction****James Quintessenza**, Johns Hopkins All Children's Hospital, Saint Petersburg, FL

8:00 am – 8:30 am

Open Discussion**LUNG TRANSPLANT BREAKOUT****Location: Grand Caribbean 3 – 5****Moderators:** **J. W. Awori Hayanga**, West Virginia University School of Medicine, Morgantown, WV; **Sahar Saddoughi**, Mayo Clinic, Rochester, MN**Resident Moderator:** **Nicholas Tingquist**, Vanderbilt University Medical Center, Nashville, TN

7:00 AM – 7:15 AM

43. Lung Transplantation in HIV Seropositive Recipients: An Analysis of the UNOS Registry**Jack Donohue**¹, Ernest Chan², Sarah Clifford¹, John Ryan², Masashi Furukawa, Ghady Haidar², Chadi Hage², Pablo Sanchez²¹University of Pittsburgh School of Medicine, Pittsburgh, PA;²University of Pittsburgh Medical Center, Pittsburgh, PA**Discussant:** Caitlin Demarest, Vanderbilt University Medical Center, Nashville, TN

7:15 AM – 7:30 AM

44. Association of Pre-Lung Transplant Opioid Use With Post-Transplant Opioid Use and Outcomes**Jessica Ruck**¹, Tao Liang¹, Darren Stewart², Jinny Ha¹, Allan Massie², Dorry Segev², Christian Merlo¹, Errol Bush¹¹Johns Hopkins University School of Medicine, Baltimore, MD;²NYU Langone Grossman School of Medicine, New York, NY**Discussant:** **Stephanie Chang**, New York University, New York, NY

7:30 AM – 7:45 AM

45. Intercostal Nerve Cryoablation in Lung Transplantation: A Single-Center, Propensity-Matched Analysis**Marcelo Salan-Gomez**¹, Ramiro Fernandez¹, Ethan D'Silva¹, Andres Leon Pena¹, Belia Camarena¹, Emma Hills¹, Alexis Shafii¹, Puneet Garcha¹, Gabriel Loo²¹Baylor College of Medicine, Houston, TX; ²Baylor St. Lukes Medical Center, Houston, TX**Discussant:** Barry Gibney, Medical University of South Carolina, Charleston, SC

7:45 AM – 8:00 AM

46. How Does Duration of ECMO Bridging Impact Lung Transplant Outcomes?Benjamin Shou¹, **Andrew Kalra**¹, Iulia Barbur¹, Matthew McGoldrick, II¹, Alice Zhou¹, Bo Soo Kim¹, Steven Keller², Glenn Whitman¹, Sung-Min Cho¹, Errol Bush¹¹Johns Hopkins University School of Medicine, Baltimore, MD;²Johns Hopkins Hospital, Baltimore, MD**Discussant:** Stephanie Chang, New York University, New York, NY

8:00 AM – 8:15 AM

47. Development of an Ex Vivo Heart Model to Evaluate a Novel Cannula for Durable Venovenous Extracorporeal Membrane Oxygenation

Carl Johnson Jr.¹, Michael Cortelli¹, Timothy Harris¹, Rei Ukita¹, Kaitlyn Tracy¹, Samaya Bajepally¹, Abbie Weeks¹, Ethan Trachtman², William Tucker¹, Sean Francois¹, David Skoog², Keith Cook³, Nhue Do¹, Chetan Pasrija¹, Ashish Shah¹, Caitlin Demarest¹, Matthew Bacchetta¹

¹Vanderbilt University Medical Center, Nashville, TN; ²Advanced Respiratory Technologies, Inc., Pittsburgh, PA; ³Carnegie Mellon University Biomedical Engineering, Pittsburgh, PA

Discussant: Tom Nguyen, University of California San Francisco, San Francisco, CA

8:15 AM – 8:30 AM

48. The Specialized Donor Care Facility Model Improves Operating Room Efficiency

Jason Gauthier¹, Tsuyoshi Takahashi², Yuriko Terada¹, Ruben Nava¹, Daniel Kreisel¹, Bryan Meyers¹, Benjamin Kozower¹, G. Alexander Patterson¹, Gary Marklin³, Chad Witt¹, Derek Byers¹, Rodrigo Vazquez Guillamet¹, Ramsey Hachem¹, Varun Puri¹

¹Washington University School of Medicine, St. Louis, MO; ²Barnes-Jewish Hospital, St. Louis, MO; ³Mid-America Transplant, St. Louis, MO

Discussant: Errol Bush, John Hopkins University Medical Center, Baltimore, MD

8:30 am – 9:00 am

BREAK – VISIT EXHIBITS

Location: Grand Caribbean 7

FIFTH SCIENTIFIC SESSION

Simultaneous Adult Cardiac, Thoracic, Congenital Rapid-Fire Breakout Sessions and Artificial Intelligence, Machine Learning, and Radiomic Breakout

9:00 AM – 10:00 AM

CME Credits Available: 1.0

ADULT CARDIAC BREAKOUT

Location: Grand Caribbean 6

Moderators: Anthony Estrera, McGovern Medical School at UTHealth, Houston, TX; Ourania Preventza, University of Virginia, Charlottesville, VA

Resident Moderator: John Kelly, University of Pennsylvania, Philadelphia, PA

9:00 AM – 9:05 AM

49. Feasibility and Short-Term Outcomes of Endovascular Aortic Arch Repair in Very High-Risk Patients With Aortic Arch Disease

Mehrdad Ghoreishi, Aakash Shah, Jeanwan Kang, Michael Hall, Bradley Taylor, Shahab Toursavadkahi
University of Maryland School of Medicine, Baltimore, MD

9:05 AM – 9:10 AM

50. Safety of Early Discharge After Coronary Artery Bypass Grafting: A Nationwide Readmissions Analysis

Paige Brlecic¹, Katie Hogan¹, John Treffalls², Christopher Sylvester¹, Joseph Coselli³, Marc Moon⁴, Todd Rosengart¹, Subhasis Chatterjee¹, Ravi Ghanta¹

¹Baylor College of Medicine, Houston, TX; ²University of Texas Health San Antonio, San Antonio, TX; ³(1) Baylor College of Medicine, (2) Texas Heart Institute, (3) CHI Baylor St Luke's Medical Center, Houston, TX; ⁴Baylor College of Medicine and Texas Heart Institute, Houston, TX

9:10 AM – 9:15 AM

51. Clinical Associations With Surgical Outcomes of Tricuspid Valve Endocarditis

Jeffrey Steinhoff¹, Gregory Fontana², Andrew Braisted³, Charles Klodell, V. Seenu Reddy⁴, Todd Dewey⁵

¹HCA Healthcare, Largo, FL; ²HCA Healthcare, Thousand Oaks, CA; ³HCA Healthcare, Nashville, TN; ⁴TriStar CV Surgery, Nashville, TN; ⁵HCA Healthcare, Dallas, TX

9:15 AM – 9:20 AM

52. Outcome of Selective Management of the Pulmonary Valve in Patients Undergoing Surgery for Carcinoid Heart Disease

Anita Nguyen, Hartzell Schaff, Juan Crestanello, Sushil Luis, Thorvardur Halfdanarson, Heidi Connolly
Mayo Clinic, Rochester, MN

9:20 AM – 9:25 AM

53. Clinical and Financial Impact of Training Cardiothoracic Fellows in Coronary Artery Bypass Grafting Surgery

Brandon Peine¹, Hanna Long², Yuanyuan Fu², Robert Allman², Joseph Bethea¹, O Jesse Mendes¹, Linda Kindell¹, William Irish², Shahab Akhter¹

¹East Carolina Heart Institute at East Carolina University Health Medical Center, Greenville, NC; ²East Carolina University Brody School of Medicine, Greenville, NC



9:25 AM – 9:30 AM

54. Mid-Term Results of Thoracic Endovascular Aortic Repair for Complicated Acute Type B Dissection: Lessons Learned

Alexander Nissen, Lauren Huckaby, Yazan Duwayri, William Jordan, Woodrow Farrington, William B. Keeling, Bradley Leshnowar
Emory University School of Medicine, Atlanta, GA

9:30 AM – 9:35 AM

55. Traveling Long Distances Does Not Impact Operative Mortality in Acute Type A Aortic Dissection

Anthony Norman¹, Raymond Strobel², Andrew Young², Alex Wisniewski², Raza Ahmad², Michael Mazzeffi¹, Alan Speir³, Mohammed Quader⁴, Jared Beller², Leora Yarboro², John Kern¹, Kenan Yount², Nicholas Teman²
¹University of Virginia Health System, Charlottesville, VA; ²University of Virginia, Charlottesville, VA; ³Inova Heart and Vascular Institute, Falls Church, VA; ⁴Virginia Commonwealth University, Richmond, VA

9:35 AM – 9:40 AM

56. Mini-Thoracotomy is Associated With Improved Long-Term Survival in Patients Undergoing Redo Mitral Surgery

Brittany Zwischenberger¹, Keith Carr¹, Donald Glower²
¹Duke University, Durham, NC; ²Duke University Medical Center, Durham, NC

9:40 AM – 9:45 AM

57. Contact Isolation Precautions are Associated With Increased Complications and Failure to Rescue After Cardiac Surgery

Raza Ahmad¹, Andrew Young¹, Raymond Strobel¹, Alex Wisniewski¹, Anthony Norman², Leora Yarboro¹, Kenan Yount¹, Nicholas Teman¹
¹University of Virginia, Charlottesville, VA; ²University of Virginia Health Systems, Charlottesville, VA

9:45 AM – 9:50 AM

58. Long-Term Outcomes of Aortic Valve Replacement With the Same Stented Bioprosthesis in Patients With Tricuspid Versus Bicuspid Aortic Valve

Alexander Makkinejad¹, Katelyn Monaghan², Shinichi Fukuhara², Himanshu Patel², Bo Yang²
¹University of Florida, Gainesville, FL; ²University of Michigan, Ann Arbor, MI

THORACIC: PLEURAL DISEASE BREAKOUT

Location: Grand Caribbean 11–12

Moderators: Mara Antonoff, MD Anderson Cancer Center, Houston, TX; **Aundrea Oliver**, East Carolina Heart Institute, Greenville, NC

Resident Moderator: Kyle Mitchell, MD Anderson Cancer Center, Houston, TX

9:00 AM – 9:05 AM

59. Ice Cream in the Recovery Room Rules out Chylothorax After Thoracic Lymphadenectomy and Allows Early Chest Tube Removal

Ashley McCormack¹, Charles Kambourakis¹, Michael Zervos¹, Stephanie Chang¹, Travis Geraci², Laurence Spier¹, Costas Bizekis¹, Mikhail Vaynblat¹, Amie Kent¹, Robert Cerfolio²
¹NYU Langone Health, New York, NY; ²New York University, New York, NY

9:05 AM – 9:10 AM

60. Discharging Patients Home With a Chest Tube Connected to a Digital Drainage System

Travis Geraci, Robert Cerfolio
New York University, New York, NY

9:10 AM – 9:15 AM

61. Discharge to Home With Chest Tube After Lung Surgery is Associated With a Low Incidence of Empyema

Kaylan Gee, Yeshwanth Reddy Vedire, Sukumar Kalvapudi, Holly Meyers, Mark Hennon, Todd Demmy, Chukwumere Nwogu, Sai Yendamuri, Elisabeth Dexter

Roswell Park Comprehensive Cancer Center, Buffalo, NY

9:15 AM – 9:20 AM

62. Defining the Optimal Suction Strategy After Lung Resection Using a Digital Drainage System and a Single Blake Drain: A Randomized Study

Conor Maxwell¹, Benny Weksler¹, Kevin Shahbahrami², Brent Williams¹, Kurt DeHaven¹, Pam Kuchta¹, Kara Specht¹, Hiran Fernando¹

¹Allegheny Health Network, Pittsburgh, PA; ²Cleveland Clinic, Cleveland, OH

9:20 AM – 9:25 AM

63. Pleural Cavity Digital Drainage System Reduces Morbidity, Length of Stay and Cost After Lung Surgery

Daniel Miller, John Kuckelman, Trent Swanson, Melissa Shafer, Vijay Patel

Medical College of Georgia at Augusta University, Augusta, GA

9:25 AM – 9:30 AM

64. Pleural Amylase Following Esophagectomy

Subrato Deb, Tamara Goda, Andi Diamond, Candace Gordon

Baptist MD Anderson Cancer Center, Jacksonville, FL

9:30 AM – 9:35 AM

65. Tissue Plasminogen Activator Concentration in Pleural Fluid Is Elevated for at Least Two Hours Following a Single Intrapleural Dose

Megan Shumway¹, Lillian Onwuha-Ekpete², Gregg Fields³, Jennifer Hernandez⁴, Catherine Tami⁴, Krystina Serpa⁴, Jenessy Gonzalez⁴, Syed Razi⁵, Francisco Tarrazzi⁴, Mark Block⁴

¹Memorial Healthcare System, Fort Lauderdale, FL; ²Florida Atlantic University, Jupiter, FL; ³Florida Atlantic University, Boca Raton, FL; ⁴Memorial Healthcare System, Hollywood, FL; ⁵Hackensack Meridian Health, Edison, NJ

9:35 AM – 9:40 AM

66V. Sinking Stones and Fluorescent Undertones: A Novel Technique for Intraoperative Parathyroid Identification

Megan White, Katy Marino, Jason Muesse, Emre Vural

University of Arkansas for Medical Sciences, Little Rock, AR

9:40 AM – 9:45 AM

67V. ICG for Intra-Operative Thoracic Duct Lymphangiogram in VATS Thoracic Duct Ligation

Justin Olivera¹, Osita Onugha²

¹Albert Einstein College of Medicine, Bronx, NY; ²Charles R. Drew University of Medicine and Science, Los Angeles, CA

CONGENITAL BREAKOUT**Location: Grand Caribbean 8 – 10**

Moderators: **Jennifer Nelson**, Nemours Children's Hospital, Orlando, FL; **James St. Louis**, Children's Hospital of Georgia, Augusta, GA

Resident Moderator: **Audrey Khoury**, University of North Carolina, Chapel Hill, NC

9:00 AM – 9:05 AM

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

Daniel Ragheb¹, Alexander Bruno¹, David Bichell²

¹Vanderbilt University School of Medicine, Nashville, TN;

²Vanderbilt University Medical Center, Nashville, TN

9:05 AM – 9:10 AM

69. Operative Repair of Aortopulmonary Window: Positive Outcomes in a Heterogeneous Population

Alyssa Kalustian, Michiaki Imamura

Texas Children's Hospital, Houston, TX

9:10 AM – 9:15 AM

70. Revisiting the Role of Balloon Atrial Septostomy Prior to the Arterial Switch Operation

Sujata Subramanian¹, Sagar Jani¹, Marin Guthrie¹, Matthew Mikulski¹, Karen Wright¹, Neil Venardos¹, Hitesh Agrawal¹, Carlos Mery², D. Byron Holt¹, Charles Fraser²

¹Texas Center for Pediatric and Congenital Heart Disease, UT Health Austin & Dell Children's Medical Center, Austin, TX;

²University of Texas at Austin Dell Medical School, Austin, TX

9:15 AM – 9:20 AM

71. Delayed Sternal Closure in Infants with Congenital Heart Disease: Can Chest Wall Edema Guide Timing?

Tavener Dibert, Giles Peek, Jeffrey Jacobs, Yuriy Stukov, Mark Bleiweis

University of Florida, Gainesville, FL

9:20 AM – 9:25 AM

72. Influence of Cardiac Diagnosis on Outcomes of Pediatric Heart-Lung Transplantation

Sandeep Sainathan¹, John Ryan², Leonardo Mulinari¹, Pablo Sanchez²

¹University of Miami, Miami, FL; ²University of Pittsburgh Medical Center, Pittsburgh, PA

9:25 AM – 9:30 AM

73. 15-Year Single Institutional Analysis of Surgical Approaches and Outcomes for Aortic Coarctation in 132 Neonates and Infants

Yuriy Stukov¹, Jeffrey Jacobs¹, Omar Sharaf¹, Giles Peek¹, Andrew Pitkin², Susana Cruz Beltran¹, Dalia Lopez-Colon¹, Connie Nixon¹, Mark Bleiweis¹

¹University of Florida, Gainesville, FL; ²Congenital Heart Center, University of Florida, Gainesville, FL

9:30 AM – 9:35 AM

74. Early and Late Outcomes of Delayed Sternal Closure vs Emergent Sternal Reopening in Adults with Congenital Heart Disease

Ahmed Abdelrehim, Elizabeth Stephens, Alberto Pochettino, Erica Wittwer, Elena Ashikhmina, Austin Todd, Richard Daly, Juan Crestanello, Hartzell Schaff, Joseph Dearani
Mayo Clinic, Rochester, MN

9:35 AM – 9:40 AM

75. Standardization of the Norwood Procedure Improves Outcomes in a Medium Sized Volume Center

W. Hampton Gray¹, Robert Sorabella², Lisa Soler¹, Ashley Moellinger¹, Hayden Zaccagni¹, Luz Padilla², Robert Dabal²

¹University of Alabama at Birmingham, Children's of Alabama, Birmingham, AL; ²University of Alabama at Birmingham, Birmingham, AL

9:40 am – 10:00 am

Open Discussion**ARTIFICIAL INTELLIGENCE, MACHINE LEARNING, AND RADIOMIC BREAKOUT**

Location: Grand Caribbean 3 – 5

Moderators: **J. Hunter Mehaffey**, West Virginia University, Morgantown, WV; **Kenneth Seastedt**, Roswell Park Comprehensive Cancer Center, Buffalo, NY

Resident Moderator: **Lee Santore**, Mayo Clinic, Rochester, MN

9:00 AM – 9:05 AM

76. Artificial Intelligence: Can It Save Lives and Hospitals?

James Headrick¹, Mitchell Parker², Ashley Miller¹

¹CHI Memorial Chest and Lung Cancer Center, Chattanooga, TN; ²University of Tennessee Health Science Center Chattanooga, Chattanooga, TN

9:05 AM – 9:10 AM

77. Comparing Conversational Artificial Intelligence-Initiated Care Pathways to Expert-Guided Algorithms for Symptom Management After Esophagectomy for Esophageal Cancer

Mohamad K. Abou Chaar, Shanda Blackmon
Mayo Clinic, Rochester, MN

9:10 AM – 9:15 AM

78. The (Broken) Promise of Generative Artificial Intelligence for Cardiothoracic Surgery Trainee Education

Adishesh Narahari¹, Ani Chandrabhatla¹, Taylor Horgan¹, Joseph Nguyen¹, Paranjay Patel, Raymond Strobel¹, David Blitzer², Jason J. Han³, Garrett Cohan⁴, Jared Beller¹, Kenan Yount¹, Leora Yarboro¹, James Mehaffey⁵, John Kern⁶, Nicholas Teman¹

¹University of Virginia, Charlottesville, VA; ²Columbia University Medical Center, New York, NY; ³Hospital of the University of Pennsylvania, Philadelphia, PA; ⁴Children's Hospital of Philadelphia, Philadelphia, PA; ⁵West Virginia University, Morgantown, WV; ⁶University of Virginia Health System, Charlottesville, VA

9:15 am – 9:30 am

INVITED LECTURE**Radiomics in Lung Cancer Management and Nodule Detection**

Kenneth Seastedt, Roswell Park Comprehensive Cancer Center, Buffalo, NY

9:30 am – 10:00 am

Open Discussion

10:00 am – 10:30 am

BREAK – VISIT EXHIBITS

Location: Grand Caribbean 7

STS CT Surgery Resident Showdown, Final Round

10:30 AM – 12:00 PM

GENERAL SESSION: EDUCATION, INNOVATION, AND EXCELLENCE IN CT SURGERY

Location: Grand Caribbean 6

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

Innovation of Healthcare Delivery Now
and in the Future

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

11:15 am – 11:40 am

The Operating Room to the Board Room

Robert Cerfolio, New York University, New York, NY

11:45 AM – 12:00 PM

79. Three Generations of Southern Thoracic and
CardioVascular Surgical Excellence

Jeffrey Jacobs¹, Eric Pruitt¹, James Quintessenza², Hugh van Gelder³, John Ofenloch⁴, Joshua Rovin, Vinay Badhwar⁵, Mark Bleiweis¹, Thomas Beaver¹, Edward Staples¹

¹University of Florida, Gainesville, FL; ²John Hopkins All Children's Hospital, Saint Petersburg, FL; ³Independent Locum Tenens, Saint Petersburg, FL; ⁴BayCare Medical Group, Clearwater, FL; ⁵West Virginia University, Morgantown, WV

12:00 pm – 1:00 pm

*Industry sponsored lunch symposia are available during this time. Refer to the mobile application for additional details. Otherwise, you may visit an on-property restaurant of your choice.

1:00 pm – 1:30 pm

BREAK – VISIT EXHIBITS

Location: Grand Caribbean 7



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 Caribbean 6

Moderator: Vinod Thourani, Piedmont Heart Institute, Atlanta, GA;

Brittany Zwischenberger, Duke University, Durham, NC

Resident Moderator: Patrick Kohtz, University of Florida, Gainesville, FL

1:30 PM – 1:37 PM

80. Impact of Prior Percutaneous Coronary Intervention on Outcomes After Coronary Artery Bypass Grafting With Bilateral Internal Thoracic Arteries

Sri Harsha Patlolla, Nishant Saran, Hartzell Schaff, Alberto Pochettino, John Stulak, Kevin Greason, Richard Daly, Joseph Dearani, Juan Crestanello
Mayo Clinic, Rochester, MN

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

1:39 PM – 1:46 PM

81. Beyond Static Planning: Computational Predictive Modeling to Avoid Coronary Artery Occlusion in TAVR

Kimberly Holst¹, Taylor Sirset-Becker², Pradeep Yadav³, Lakshmi Dasi⁴, James Stewart³, Vivek Rajagopal³, James Kauten³, Venkateshwar Polsani³, Amy Simone³, Vinod Thourani³

¹Mayo Clinic, Rochester, MN; ²The Ohio State University, Columbus, OH; ³Piedmont Heart Institute, Atlanta, GA; ⁴Georgia Institute of Technology, Atlanta, GA

Discussant: Tom Nguyen, University of California San Francisco, San Francisco, CA

1:48 PM – 1:55 PM

82. Long-Term Results of Valve Sparing Root Replacement in Type A Aortic Dissection

Bradley Leshnower¹, Woodrow Farrington¹, Alysa Zellner¹, Maria Traverso¹, Edward Chen²

¹Emory University, Atlanta, GA; ²Duke University Medical Center, Durham, NC

Discussant: Thomas MacGillivray, MedStar Washington Hospital Center, Washington, DC

1:57 pm – 2:07 pm

INVITED LECTURE**Future Advances in Zone 1-2 Reconstruction**

Nimesh Desai, University of Pennsylvania, Philadelphia, PA

2:09 pm – 2:30 pm

Open Discussion**GENERAL THORACIC BREAKOUT**

Location: Grand Caribbean 11–12

Moderators: Erin Gillaspie, Creighton University, Omaha, NE; Jinny Ha, Johns Hopkins University School of Medicine, Baltimore, MD

Resident Moderator: Alicia Bonanno, Emory University Hospital, Atlanta, GA

1:30 PM – 1:37 PM

83. Under-Representation of Patients From Racial and Ethnic Minorities in Clinical Trials for Non-Small-Cell Lung Cancer

Camille Mathey-Andrews¹, Ashley Sanchez¹, Shivaek Venkateswaran¹, Alexandra Potter¹, Arian Mansur², Chi-Fu Yang¹, Lana Schumacher¹

¹Massachusetts General Hospital, Boston, MA; ²Harvard Medical School, Boston, MA

Discussant: Africa Wallace, Capital Health Medical Center, Pennington, NJ

1:39 PM – 1:46 PM

84. The Effect of Social Vulnerability on Stage at Presentation and Subsequent Therapy in Non-Small Cell Lung Cancer Patients

Christina Stuart¹, Adam Dyas¹, Michael Bronsert², Catherine Velopulos¹, Simran Randhawa¹, Elizabeth David¹, John Mitchell³, Robert Meguid³

¹University of Colorado, Aurora, CO; ²ACCORDS, Thornton, CO; ³University of Colorado School of Medicine, Aurora, CO

Discussant: John Kuckelman, Augusta University, Augusta, GA

1:48 PM – 1:55 PM

85. Management of Clinical Stage IA Non-Small Cell Lung Cancer After Segmentectomy With Incidental Node-Positive Disease

Tamar Nobel, Prasad Adusumilli, Manjit Bains, Robert Downey, James Huang, James Isbell, Daniela Molena, Bernard Park, Gaetano Rocco, Valerie Rusch, Smita Sihag, David Jones, Matthew Bott

Memorial Sloan Kettering Cancer Center, New York, NY

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

1:57 pm – 2:07 pm

INVITED LECTURE**Future Advances in Zone 1-2 Reconstruction Immunotherapy for Resectable Lung Cancer**

Jessica Donington, University of Chicago, Chicago, IL

2:09 pm – 2:30 pm

Open Discussion**CONGENITAL BREAKOUT**

Location: Grand Caribbean 8–10

Moderators: Brian Bateson, Children's Hospital of Georgia, Augusta, GA; James Gangemi, University of Virginia Health System, Charlottesville, VA

Resident Moderator: Elaine Griffeth, Mayo Clinic, Rochester, MN

1:30 PM – 1:37 PM

86V. Heart Transplant and Complex Venous Baffle in an Infant With Heterotaxy, Double Outlet Obstruction and Unbalanced Atrioventricular Septal Defect

William Gibson, James O'Brien, Jr.

Children's Mercy Hospital, Kansas City, MO

1:39 PM – 1:46 PM

87. Outcome of Heart Transplantation in Adult Congenital Heart Disease: Does Functionally Univentricular Physiology Impact Early Mortality?

Elizabeth Stephens, Joseph Dearani, Elaine Griffeth, Salah Altarabsheh, Rebecca Ameduri, Jonathan Johnson, Luke Burchill, William Miranda, Heidi Connolly, Sudhir Kushwaha, Naveen Pereira, Mauricio Villavicencio, Richard Daly
Mayo Clinic, Rochester, MN

Discussant: Edward Hickey, *Texas Children's Hospital/ Baylor College of Medicine, Houston, TX*

1:48 PM – 1:55 PM

88. Preoperative Trends in Panel Reactive Antibody Among Patients With Pediatric and/or Congenital Heart Disease and Elevated Panel Reactive Antibody Undergoing Transplantation

Omar Sharaf¹, Jeffrey Jacobs¹, F. Fricker¹, Giles Peek¹, Dipankar Gupta¹, Renata Shih¹, Bill Pietra¹, Yuriy Stukov¹, Zachary Brennan², Dan Neal¹, Steven Goldstein¹, Mark Bleiweis¹

¹University of Florida, Gainesville, FL; ²Cedars-Sinai, Los Angeles, CA

Discussant: James Gangemi, *University of Virginia Health System, Charlottesville, VA*

1:57 PM – 2:04 PM

89. Trends in Pediatric Heart Transplantation Over 36 Years and Contemporary Outcomes Among the Highest Volume Centers

Ahmet Bilgili¹, Omar Shara², Zachary Brennan³, John Treffalls⁴, Giles Peek², Mark Bleiweis², Jeffrey Jacobs²

¹University of Florida College of Medicine, Gainesville, FL;

²University of Florida, Gainesville, FL; ³Cedars-Sinai, Los Angeles, CA; ⁴University of Texas Health San Antonio, San Antonio, TX

Discussant: Elizabeth Stephens, *Mayo Clinic, Rochester, MN*

2:06 pm – 2:16 pm

INVITED LECTURE**Fontan-Associated Liver Disease**

James Gangemi, *University of Virginia, Charlottesville, VA*

2:16 pm – 2:30 pm

Open Discussion

2:30 pm – 2:45 pm

BREAK – VISIT EXHIBITS

Location: *Grand Caribbean 7*

2:45 pm – 3:30 pm

STSA ANNUAL BUSINESS MEETING

Location: *Grand Caribbean 6*

STSA Members Only

**All new STSA Members are required to attend.*

7:00 pm – 7:30 pm

Dinner Gala Reception

Location: *Grand Caribbean Foyer*

7:30 pm – 10:00 pm

Dinner Gala & Awards

Location: *Grand Caribbean 6*

SUNDAY, NOVEMBER 5, 2023

8:00 AM – 10:00 AM

POSTGRADUATE GENERAL SESSION

Location: *Grand Caribbean 6*

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

Stephen Yang, *Johns Hopkins Medical Institutions, Baltimore, MD*

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*

9:00 am – 10:00 am

Cardiothoracic Surgeon Career Pivot to Industry — Panel & Discussion

Panelists: **Lishan Aklog**, *PAVmed Inc. and Lucid Diagnostics Inc., New York, NY*; **Sam Weinstein**, *SpecialtyCare, Brentwood, TN*

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 during a scheduled break to review the following posters:

ADULT CARDIAC SURGERY POSTERS

AC-P1. Outcomes of Heart Transplant After Normothermic Regional Perfusion Compared to Brain Dead Donors

John Trahanas, Alexandra DeBose-Scarlett, Chen Chia Wang, Hasan Siddiqi, Kaushik Amancherla, Douglas Brinkley, JoAnn Lindenfeld, Henry Ooi, Lynn Punnoose, Aniket Rali, Suzanne Sacks, Mark Wigger, William McMaster, Jr., Ashish Shah, Kelly Schlendorf, Chetan Pasrija
Vanderbilt University Medical Center, Nashville, TN

AC-P2. Mitochondrial Injury and Calpain Activation With Prolonged Global Myocardial Ischemia in Rat Hearts

Zachary Kiernan¹, Qun Chen², Edward Lesnefsky³, Mohammed Quader⁴
¹*VCU Health, Richmond, VA*; ²*VCU School of Medicine, Richmond, VA*; ³*VCU Health; Richmond Department of Veterans Affairs Medical Center, Richmond, VA*; ⁴*Virginia Commonwealth University, Richmond, VA*

AC-P3. Atrial Septal Defect Occluder-Induced Left Atrial Injury: Another Paradoxical Source of Embolic Strokes

Pouya Hemmati, Arman Arghami
Mayo Clinic, Rochester, MN

AC-P4. Long-Term Impact of Atrial Fibrillation Ablation at the Time of Aortic Valve Replacement

Fernando Juarez Casso, Vuyisile Nkomo, Austin Todd, Kevin Greason, Gabor Bagameri, Hartzell Schaff, Joseph Dearani, John Stulak, Juan Crestanello
Mayo Clinic, Rochester, MN

AC-P5. Cyclosporine A May Expand the Use of Donation After Circulatory Death Hearts With Prolonged Ischemia

Zachary Kiernan¹, Qun Chen², Oluwatoyin Akande², Edward Lesnefsky³, Mohammed Quader⁴
¹*VCU Health, Richmond, VA*; ²*VCU School of Medicine, Richmond, VA*; ³*VCU Health; Richmond Department of Veterans Affairs Medical Center, Richmond, VA*; ⁴*Virginia Commonwealth University, Richmond, VA*

AC-P6. Predictors of Rapid Failure of Medical Management in Uncomplicated Acute Type B Aortic Dissection

Elizabeth Norton¹, Yuqing Wang¹, Jose Binongo², Yazan Duwayri³, Edward Chen⁴, Woodrow Farrington³, William B. Keeling³, William Jordan³, Bradley Leshnower³
¹*Emory University, Atlanta, GA*; ²*Rollins School of Public Health, Atlanta, GA*; ³*Emory University School of Medicine, Atlanta, GA*; ⁴*Duke University Medical Center, Durham, NC*

AC-P7. Correcting SAM With Re-Repair is Feasible and Safe

Whitney Fu¹, Catherine Wagner², Gurnoordeep Pawar¹, Nicolas Ceniza¹, Matthew Romano¹, Gorav Ailawadi¹, Steven Bolling¹
¹*University of Michigan, Ann Arbor, MI*; ²*Michigan Medicine, Ann Arbor, MI*

AC-P8. Left Ventricular Remodeling and Diastolic Dysfunction Following TEVAR Therapy for the Descending Thoracic Aortic Aneurysm

Adam Carroll¹, Jason Breithaupt¹, Ananya Shah², R. Wilson King³, Rafael Demarchi Malgor¹, Muhammad Aftab⁴, Michal Schafer⁴, T. Reece⁴
¹*University of Colorado Anschutz, Denver, CO*; ²*University of Colorado School of Medicine, Denver, CO*; ³*University of Colorado, Denver, CO*; ⁴*University of Colorado, Aurora, CO*

AC-P9. Resection of a Functional Cardiac Paraganglioma With Bi-atrial and Superior Vena Cava Reconstruction

Adham Elmously¹, Marvin Atkins, Jr.¹, Michael Reardon²
¹*Houston Methodist, Houston, TX*; ²*Houston Methodist DeBakey Heart & Vascular Center, Houston, TX*

AC-P10. Impact of Early Surgery for Asymptomatic Degenerative Mitral Regurgitation

Annalisa Bernabei, Kevin Hodges, Raphaelle Chemtob, Penny Houghtaling, Linda DiPaola, Daniel J. P. Burns, Eugene Blackstone, A. Marc Gillinov
Cleveland Clinic, Cleveland, OH

AC-P11. The Relationship Between Discharge Location and Cardiac Rehabilitation Use After Cardiac Surgery

Tyler Bauer¹, Max Fliegner², Hechuan Hou², Temilolaoluwa Daramola¹, Whitney Fu¹, Francis Pagani¹, Donald S. Likosky¹, Steven Keteyian³, Michael Thompson¹

¹University of Michigan, Ann Arbor, MI; ²Michigan Medicine, Ann Arbor, MI; ³Henry Ford Health, Detroit, MI

AC-P12. Early Outcomes After Total Arch Replacement With Branched Stented Anastomosis Frozen Elephant Trunk Versus Hemiarch For Acute Type A Aortic Dissection

Joshua Leibowitz¹, Justin Robinson², Aakash Shah¹, Shahab Toursavadvakohi¹, Bradley Taylor¹, Mehrdad Ghoreishi¹

¹University of Maryland School of Medicine, Baltimore, MD; ²University of Maryland, Baltimore, MD

AC-P13. Temporal Changes in Combined Heart-Liver Transplantation (1989 – 2022): An Analysis of 552 Combined Transplants in the UNOS Database

Zachary Brennan¹, Mark Bleiweis², Omar Sharaf², John Treffalls³, Giles Peek², Werviston De Faria², David Levi⁴, Thiago Beduschi², Michael Bowdish¹, Jeffrey Jacobs²

¹Cedars-Sinai, Los Angeles, CA; ²University of Florida, Gainesville, FL; ³University of Texas Health San Antonio, San Antonio, TX; ⁴Atrium Health, Charlotte, NC

AC-P14. Impact of Sex on Cytokine Expression in A Model of Ascending Aortic Aneurysm

Jessica Millar¹, Morgan Salmon, Anna Fashandi², Michael Spinoso², Robert Hawkins¹, Gorav Ailawadi, Gilbert Upchurch, Jr.³

¹University Of Michigan, Ann Arbor, MI; ²University of Virginia, Charlottesville, VA; ³University of Florida, Gainesville, FL

AC-P15. Total Serum Albumin at Waitlist and Survival Outcomes in Heart Transplant Recipients

Khaled Shorbaji, Savannah Skidmore, Brett Welch, Arman Kilic
Medical University of South Carolina, Charleston, SC

AC-P16. Impact of Obesity in Patients Undergoing Surgery for Coronary Artery Bypass Grafting

Defne Gunes Ergi, Nishant Saran, Phillip Rowse, Arman Arghami, Mauricio Villavicencio, Hartzell Schaff, Alberto Pochettino, Gabor Bagameri, Kevin Greason, John Stulak, Joseph Dearani, Brian Lahr, Juan Crestanello

Mayo Clinic, Rochester, MN

AC-P17. Ideal (Biologic) Prosthesis for the Ideal Indication During Aortic Root Replacement

Parth Patel¹, Oreoluwa Olakunle², Shreya Chodisetty¹, Elizabeth Norton², Jane Wei², Jose Binongo³, Woodrow Farrington¹, Bradley Leshnower¹, Edward Chen⁴

¹Emory University School of Medicine, Atlanta, GA; ²Emory University, Atlanta, GA; ³Rollins School of Public Health, Atlanta, GA; ⁴Duke University Medical Center, Durham, NC

AC-P18. Re-Sheathing Technique – A Novel Approach for Explantation of Transcatheter Aortic Valve Replacement

Kenneth Hassler, Arman Arghami, Juan Crestanello, Joseph Dearani, Gabor Bagameri

Mayo Clinic, Rochester, MN

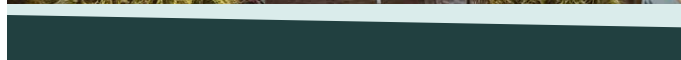
AC-P19. Surgical Implantation of Balloon-Expandable Heart Valves for the Treatment of Mitral Annular Calcification

Austin Kluis, Katherine Harrington, Lee Hafen, Timothy George, Kelley Hutcheson, Justin Schaffer, J. Michael DiMaio, Robert Smith
Baylor Scott & White, The Heart Hospital, Plano, TX

AC-P20. A Health System-Wide Collaborative Model to Improve Outcomes of Isolated Coronary Artery Bypass Graft Surgery

Austin Kluis¹, Charles Roberts², Holly Dalton¹, Kelley Hutcheson¹, J. Michael DiMaio¹, Ramachandra Reddy³, Minh Tran⁴, Jeffrey Wu⁵, Daniel Beckles³, David Moore¹, Dan Meyer², Michael Mack¹, Robert Smith¹

¹Baylor Scott & White, The Heart Hospital, Plano, TX; ²Baylor University Medical Center, Dallas, TX; ³Baylor Scott & White Medical Center, Temple, TX; ⁴Baylor Scott & White, The Heart Hospital, Denton, TX; ⁵Baylor Scott & White, All Saints Medical Center, Fort Worth, TX



CONGENITAL SURGERY POSTERS

CONG-P1. Real-World Experience With Transcatheter Pulmonary Valve Replacement: Analysis of the FDA Manufacturer and User Facility Device Experience (MAUDE) Database

Ani Chandrabhatla¹, Shaina Twardus¹, Adishesh Narahari¹, Jared Beller¹, Leora Yarboro¹, Kenan Yount¹, Curtis Tribble¹, James Mehaffey², Mark Roeser¹, John Kern³, Nicholas Teman¹
¹University of Virginia, Charlottesville, VA; ²West Virginia University, Morgantown, WV; ³University of Virginia Health System, Charlottesville, VA

CONG-P2. The Impact of Autograft Size on Aortic Root Diameter Among Non-Reinforced Pediatric Ross

Carlos Diaz-Castrillon¹, Nidhi Iyanna², Melita Viegas³, Laura Seese¹, Mario Castro-Medina³, Shwetabh Tarun⁴, Luciana Da Fonseca Da Silva³, Victor Morell³
¹University of Pittsburgh Medical Center, Pittsburgh, PA; ²University of Pittsburgh School of Medicine, Pittsburgh, PA; ³UPMC Children's Hospital of Pittsburgh, Pittsburgh, PA; ⁴University of Pittsburgh, Pittsburgh, PA

CONG-P3. Mechanical Explanation for the Hemodynamic Efficacy of Right Atrial Appendage Autografts Used in Neo-Semilunar Valve Leaflet Reconstruction

Andrew Behrmann¹, Kate Appleman², Katarina Lettner², Pirooz Eghtesady³
¹University of Missouri School of Medicine, Columbia, MO; ²Southeast Missouri State University, Cape Girardeau, MO; ³Washington University School of Medicine, St. Louis, MO

CONG-P4. Reproducible Low-Cost Bovine Pericardial Surgical Bioprosthetic Heart Valve Model

Nikia Toomey¹, Andrey Zakharchenko¹, Yingfei Xue², Sameer Singh², Devin Laurence¹, Jonathan Chen¹, Matthew Jolley¹, Giovanni Ferrari², Robert Levy¹
¹Children's Hospital of Philadelphia, Philadelphia, PA; ²Columbia University Irving Medical Center, New York, NY

CONG-P5. Thoracic Skeletal Muscle Volume Does Predict Length of Stay in Congenital Cardiac Surgery

Christopher Greenleaf, Blaz Podgorsek, Julija Dobrila, Martin Osorio Nader, Wen Li, Jorge Salazar, Santosh Uppu
 McGovern Medical School at UTHealth, Houston, TX

CONG-P6. SCN5A Gene and Inability to Capture the Right Ventricle: A Case for Surgical Contingency in Pacemaker Implantation

Kathryn Tarulli¹, Rodrigo Nehgme¹, Kevin Beers²
¹Orlando Health, Orlando, FL; ²Orlando Health Arnold Palmer Hospital for Children, Orlando, FL

CONG-P7. Resource Utilization During Hybrid Single Ventricle Palliation Pathway

Dariya Hardisky¹, Divyaam Satija², Karen Texter³, Mark Galantowicz³, Sergio Carrillo³
¹The Ohio State University, Columbus, OH; ²The Ohio State University College of Medicine, Columbus, OH; ³Nationwide Children's Hospital, Columbus, OH

CONG-P8. Successful Conversion From Stage I Hybrid to Norwood to Resolve Airway Compression in Double Inlet Left Ventricle With Dextro-Transposition of the Great Arteries

Diego Ruiz-Avila¹, S Javed Zaidi², Mark Plunkett, Mark D Plunkett³, Subhrajit Lahiri¹, Aimee Kennedy⁴, Harma Turbendian⁴
¹University of Illinois College of Medicine, Peoria, IL; ²Carle Health, Bloomington, IL; ³Children's Hospital of Illinois, Peoria, IL; ⁴OSF Children's Hospital of Illinois, Peoria, IL



THORACIC SURGERY POSTERS

GT-P1. Variations in Patterns of Perioperative Thromboprophylaxis After Lobar and Sublobar Lung Resections

Russell Seth Martins¹, Kostantinos Poulidikis¹, Syed Razi¹, M. Jawad Latif¹, Faiz Bhora²

¹Hackensack Meridian Health, Edison, NJ; ²Hackensack Meridian Health and Hackensack Meridian School of Medicine, Edison, NJ

GT-P2. Surgical Management of Bronchial Carcinoid Tumors; A Single Center Experience

Jordan Howard¹, Sibuh Saha²

¹University of Kentucky College of Medicine, Lexington, KY;

²University of Kentucky, Lexington, KY

GT-P3. Critical Analysis of Outcomes After Surgical Management of Zenker's Diverticulum

Brenden Sheridan¹, Leah Hendrick¹, Thomas Ng², Theresa Dinh²

¹University of Tennessee Health Science Center, Memphis, TN;

²University of Tennessee Health Science Center College of Medicine, Memphis, TN

GT-P4. Long COVID of the Trachea? A Single Center Experience in the Management of Tracheal Stenosis in the COVID-19 Era

Carlin Lee, Ali Mahtabifard, Hari Keshava

UC Irvine, Orange, CA

GT-P5. Concomitant Lung Cancer and Coccidiomycosis in an Endemic Region

Hope Conrad, Stephanie Worrell

University of Arizona, Tucson, AZ

GT-P6. Customized 3D Printed Nuss Bar Molds for Repair of Pectus Excavatum

Raffaele Rocco, Jonathan Morris, Adam Wentworth, Dennis Wigle, Janani Reisenauer

Mayo Clinic, Rochester, MN

GT-P7. Embolic Stroke From Atrio-Esophageal Fistula After Transcatheter Ablation for Atrial Fibrillation

Naga Swati Gunturu, Tina Krider, Amy Lykins, Steven Bowers, Mathew Thomas

Mayo Clinic, Jacksonville, FL

GT-P8. Preoperative Intensive Care Use Confers Significant Morbidity and Mortality Risk After Diagnostic Lung Biopsy

Adam Dyas¹, Christina Stuart¹, Yizhou Fei¹, Jake Cotton¹, Kathryn Colborn, Michael Weyant², John Mitchell³, Christopher Scott⁴, Robert Meguid³

¹University of Colorado, Aurora, CO; ²INOVA Hospital System, Fairfax, VA; ³University of Colorado School of Medicine, Aurora, CO; ⁴University of Virginia, Charlottesville, VA

GT-P9. To Cut (Minimally Invasively) Is to Cure: Robotic Lobectomy for Pulmonary Mucormycosis

Marvi Tariq, Benjamin Wei

University of Alabama at Birmingham, Birmingham, AL

GT-P10. Minimizing Pathologic Aspiration in Patients Undergoing Esophageal and Lung Resections for Cancer

Skylar Rodgers¹, Luci Makamson², Mollie Merrell², Emily Mansour², Elizabeth Carr³, Barbara Brent¹, Cynthia Senior¹, Angelia Garner¹, Christian Norton², Matthew Kutcher¹, Jacob Moremen¹

¹University of Mississippi Medical Center, Jackson, MS; ²University of Mississippi Medical School, Jackson, MS; ³University of Mississippi Medical Center School of Dentistry, Jackson, MS

GT-P11. Younger Patients (Less Than or Equal to 50-Years-Old) With Non-Small Cell Lung Cancer Have Better Outcomes Than Older Patients Following Surgical Resection Despite a Later Presentation

Rachel Leo¹, Evert Sugarbaker¹, Miles McAllister¹, Ali Ali¹, Sangmin Kim, Vivian Nguyen², Anupama Singh¹, Rafael Ribeiro Barcelos¹, Yue Xie³, Emanuele Mazzola³, Michael Jaklitsch¹, Raphael Bueno¹, Paula Ugalde Figueroa¹, Scott Swanson¹

¹Brigham and Women's Hospital, Boston, MA; ²Harvard Medical School, Boston, MA; ³Dana Farber Cancer Institute, Boston, MA

GT-P12. The Long-Term False Negative Rate of Pulmonary Nodule Biopsies: A Retrospective Analysis of Patients Treated at a Single Institution.

Chase Corvin¹, Tamarah Aldawoodi², Kanwal Zeeshan³, Debra Ziegler³, Kristine Kuchta³, Seth Krantz⁴

¹University of Chicago Medicine, Chicago, IL; ²UT Health Science Center San Antonio, San Antonio, TX; ³NorthShore University Health System, Evanston, IL; ⁴NorthShore University Health System, University of Chicago Pritzker School of Medicine, Wilmette, IL

GT-P13. Selection Criteria for Single-Event Combined Robotics for Lung Cancer

Mathew Ninan

HCA Florida Healthcare, Trinity, FL

GT-P14. Association Between Physician and Hospital Charges for Lung Cancer and Impact on Quality

Brian Mitzman, Lisa Pappas, Nicolas Contreras-Peraza, Ben Haaland, Thomas Varghese, Jr.

University of Utah, Salt Lake City, UT

GT-P15. Uniportal Video-Assisted Thoracoscopic Lobectomy for Early-Stage Lung Cancer: An Institutional Experience

Stevan Pupovac¹, Joshua Newman², Michael Varrone³, Areil Aminov², Joshua Choe⁴, Samrah Mitha², David Zeltsman⁵
¹Northwell Health, New Haven, CT; ²Northwell Health, Manhasset, NY; ³Medical University of South Carolina, Charleston, SC; ⁴New York Medical College, Valhalla, NY; ⁵Northwell Health / Zucker School of Medicine, New Hyde Park, NY

GT-P16. Impact of a Lung Nodule Clinic and a Thoracic Surgery Service on a Lung Cancer Screening Program

Josephine Chang¹, Tyler Lunow-Luke¹, Robert Painter², Niral Patel³, Javier Longoria⁴, Timmy Cheng¹, Jonald Irving Salunday², Gelareh Sadigh¹, Hakan Sahin¹, Jeremy Harris¹, Misako Nagasaka², Sai-Hong Ou¹, Ali Mahtabifard², Hari Keshava²
¹UC Irvine, Irvine, CA; ²UC Irvine, Orange, CA; ³UC San Diego, San Diego, CA; ⁴HOAG Medical Center, Newport Beach, CA

GT-P17. Outcomes Following Minimally Invasive Approaches to Diaphragmatic Plication

Rachel Deitz¹, Thomas Rubino¹, Ernest Chan¹, Daniel Normolle², Ryan Levy¹, James Luketich¹, Evan Alicuben¹
¹University of Pittsburgh Medical Center, Pittsburgh, PA; ²University of Pittsburgh, Pittsburgh, PA

GT-P18. Effects of Preoperative Diabetes Mellitus on Postoperative Outcomes After Robotic-Assisted Video-Thoracoscopic Pulmonary Lobectomy

Claire Dalby¹, Karl Maxemous², Jessica Glover¹, Samuel Reynolds¹, Carla Moodie³, Joseph Garrett³, Jenna Tew³, Jobelle Baldonado³, Jacques Fontaine³, Eric Toloza³
¹University of South Florida Health Morsani College of Medicine, Tampa, FL; ²Western University, London, Ontario; ³Moffitt Cancer Center, Tampa, FL

GT-P19. Customized Sternal Reconstruction in a Patient With Refractory Pectus Excavatum in the Setting of Facioscapulohumeral Muscular Dystrophy

Daniel Ragheb¹, Erin Gillaspie², Sigrid Johannesen²
¹Vanderbilt University School of Medicine, Nashville, TN; ²Vanderbilt University Medical Center, Nashville, TN

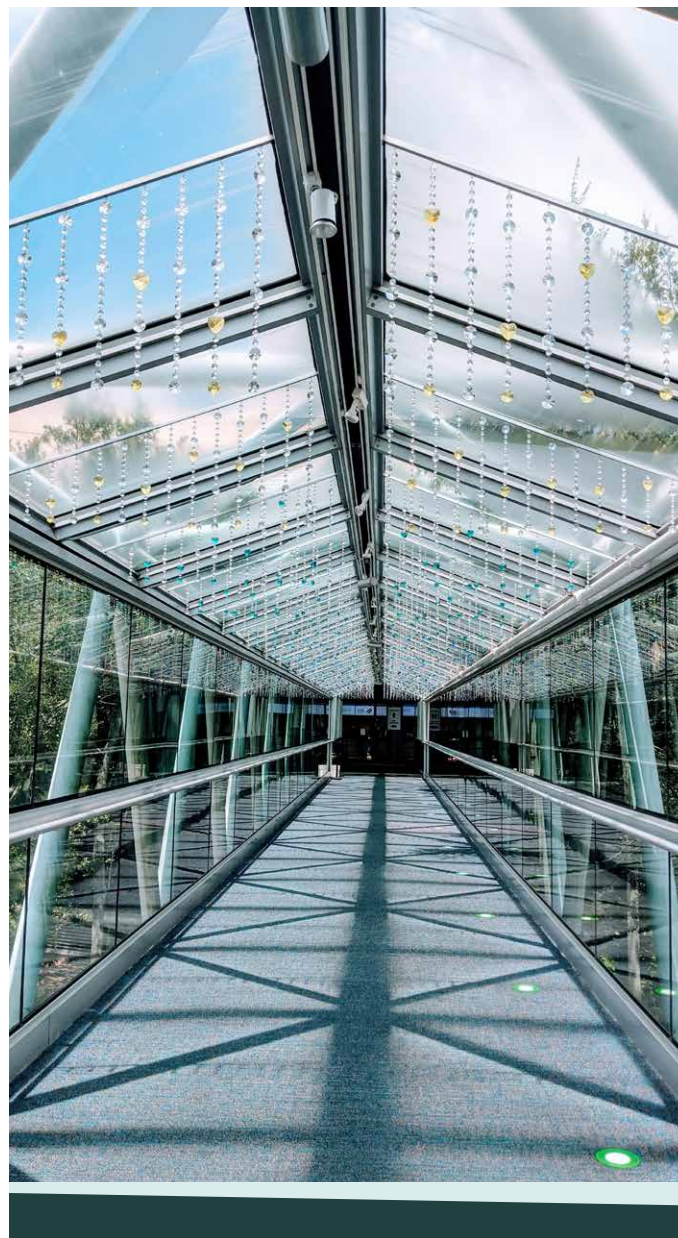
GT-P20. Sternal Fractures: Management at a Level 1 Trauma Center

Benjamin Moore¹, Katy Marino¹, Lauren Johnson¹, Matthew Steliga², Jason Muesse¹
¹University of Arkansas for Medical Sciences, Little Rock, AR; ²University of Arkansas, Little Rock, AR

LESSONS LEARNED FROM INTRAOPERATIVE PROBLEM SOLVING, MISADVENTURES AND DISASTERS POSTER

LL-P1. Acute Iatrogenic Retrograde Aortic Dissection During Robotic-Assisted Mitral Valve Repair

Raffaele Rocco, Phillip Rowse
 Mayo Clinic, Rochester, MN





GENERAL INFORMATION

MEETING LOCATION

Loews Sapphire Falls Resort
6601 Adventure Way
Orlando, FL 32819
(407) 503-5000

We invite you to join us at the Loews Sapphire Falls Resort at Universal Orlando where you will be transported to a paradise in the heart of the tropics. Blue waterfalls cascade across lush grounds, and in the distance, the calming sounds of steel drums call guests to take in the scenic water views, ease into 'island time', and let go. Imagine a picturesque hotel built in the heart of the tropics, where every comfort is included. Loews Sapphire Falls Resort features a beautifully landscaped, resort-style pool with a water slide surrounded by cascading waterfalls, this hotel truly captivates at every turn. From the ruins of the stone turret in the lobby, to the inviting island charm of the 1,000 guest rooms and suites, guests will be surrounded by a vivid, textured haven that is inspired by landmarks of the islands.

HOTEL RESERVATIONS

Room reservations are being accepted based on availability only.

To make reservations:

Contact the hotel reservations department at (866) 360-7395. 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 \$249/night plus tax. If desired, you may elect to upgrade to a guaranteed bed type or view during the reservation process. **Cancellations made within 5 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 pm; check out is 11:00 am.

The discounted STSA rate is available for nights up to three days before and three days after the meeting, subject to availability.

MEETING REGISTRATION

Registration will be available on site in Orlando. Please note that there will be an additional \$50.00 charge for attendees registering at the meeting.

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

Login is required for STSA Members in order to secure the member rate.

Registration and Cancellation Policy: Cancellation requests must be submitted in writing prior to October 11, 2023; unfortunately, STSA is unable to honor any subsequent requests. Refunds are subject to a \$50.00 administrative fee.

GETTING AROUND ORLANDO

The Loews Sapphire Falls Resort is conveniently located 15 miles from the nearest major airport.

Airport Transportation

Orlando International Airport (airport code MCO) is located 15 miles from the hotel and is serviced by most major airlines. The resort does not provide shuttle service from either airport. There are several forms of ground transportation services available.

Taxi Service

Taxis are on standby at Orlando International Airport, offering service to and from the Loews Sapphire Falls Resort for an approximate fare of \$55 one-way, depending on traffic conditions. Standard taxis can accommodate up to four people. Travel time is approximately 30 minutes.

Shared or Private Car Service

Both Uber and Lyft service the Orlando International Airport. Rides can be requested through their mobile apps; follow the instructions provided to locate your driver. Rides to the Loews Sapphire Fall Resort start at approximately \$40-\$50 one way.

On-Property Car Rental

An Avis Car Rental desk is located on the lobby level of the hotel, next to the concierge. Call 407-503-5156.

Parking

The Loews Sapphire Falls Resort has extended parking discounts to all STSA guests. Self-parking is \$15 per day. Valet parking is \$23 per day.

FOR ADDITIONAL INFORMATION

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

ACTIVITIES AND ENTERTAINMENT

HOSPITALITY SUITE

Friday, November 3 – Saturday, November 4

Time: 8:30 am – 11:00 am

STSA is providing a hospitality room for attendees' spouses and guests to mingle with other spouses and guests and to make plans for exploring Orlando.

RESIDENTS RECEPTION

Friday, November 3

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

Friday, November 3

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.

DINNER GALA

Saturday, November 4

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 ticket.)

A limited number of tickets will be available on site. Please note, the dinner is open seating this year.

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!

Theme Park Ticket Information

Universal Orlando® Resort is happy to offer a unique ticket link for STSA meeting attendees. Most of the ticket products available via the link below are priced in alignment with pricing for the general public with the exception of the exclusively priced 'After 2PM' convention ticket (after 4PM during peak seasons). This ticket is

specially designed for meeting attendees; please click on Full Details in the ticket store for more information.

To benefit from this exclusive offer simply use the following link: <https://purchase.universalorlando.com/webstore/shop/ViewItems.aspx?CG=UOConvention&C=UOConventiontickets>.

A note on the Hogwarts™ Express: Because the Hogwarts™ Express will transport guests from one theme park to another, guests will need a park-to-park admission ticket to ride the train.





ANNUAL MEETING



Southern Thoracic Surgical Association (STSA)

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

Phone: 312-202-5892 | Fax: 773-289-0871
stsa@stsa.org | stsa.org