

Saturday, January 26

7:00 AM – 5:00 PM

Registration

7:00 AM – 6:30 PM

Tech-Con Exhibits

7:00 AM – 8:00 AM

BREAKFAST—Visit Tech-Con Exhibits

8:00 AM – 9:30 AM

Tech-Con Adult Cardiac Track I: New Technologies in Ischemic, Heart Failure, and Atrial Fibrillation Surgery

Moderators: *Husam H. Balkhy, Chicago, IL, Mark S. Slaughter, Louisville, KY, and John M. Stulak, Rochester, MN*

Atrial Fibrillation

- 8:00 AM Minimally Invasive Left Atrial Appendage Closure Through the Transverse Sinus: Why and How I Do It
Niv Ad, Morgantown, WV
- 8:08 AM Sophisticated Mapping in the OR During Surgical Ablation: How to Do It With or Without Your Electrophysiologist
Gianluigi Bisleri, Kingston, Canada
- 8:16 AM Panel Discussion

Heart Failure

- 8:22 AM High-Risk Cardiac Surgery Using Temporary Circulatory Support: How I Do It
Edward G. Soltesz, Cleveland, OH
- 8:30 AM Smartphone App to Facilitate Donor Organ Harvesting
Robert W. Emery, Minneapolis, MN
- 8:38 AM Treating Heart Failure With MitraClips: Is It Ready for Prime Time?
Isaac George, New York, NY
- 8:46 AM Panel Discussion

Ischemia

- 8:56 AM Noninvasive Imaging for Coronary Bypass: What's New in Anatomic and Functional Evaluation of Coronary Artery Disease
Matthew Budoff, Torrance, CA
- 9:04 AM Advanced Hybrid Coronary Revascularization: Are Two Internal Mammary Artery Grafts Better Than One?
Husam H. Balkhy, Chicago, IL
- 9:12 AM Arterial Grafts: Lessons Learned From Arterial and Radial Conduits
David Glineur, Ottawa, Canada
- 9:20 AM Panel Discussion

8:00 AM – 9:30 AM

Tech-Con General Thoracic Track I: New Technologies in Lung and Chest Wall Surgery

Moderators: *Lisa M. Brown, Sacramento, CA, and Linda W. Martin, Charlottesville, VA*

- 8:00 AM A Novel Wireless Surgical Marker for Small Lung Lesions
Yojiro Yutaka, Kyoto, Japan
- 8:12 AM First Use of the ArtiSential Suite of Articulated Instruments in Video-Assisted Thoracoscopic Surgery
Marco Nardini, Middlesbrough, United Kingdom
- 8:24 AM Update on Robotic Bronchoplasty Techniques
Lana Y. Schumacher, Pittsburgh, PA
- 8:36 AM Novel Applications of Titanium Mesh in Thoracic Surgery
Anthony D. Cassano, Richmond, VA
- 8:48 AM State-of-the-Art in Chest Wall and Diaphragm Reconstruction: Current Materials and Techniques
Reza J. Mehran, Houston, TX
- 9:00 AM A Novel Approach to Patient Engagement
Alden M. Parsons, Raleigh, NC
- 9:12 AM Targeted Lung Denervation to Treat Chronic Obstructive Pulmonary Disease
Malcolm M. DeCamp, Madison, WI

9:30 AM – 10:15 AM

BREAK—Visit Tech-Con Exhibits

10:15 AM – 12:00 PM

Tech-Con Adult Cardiac Track II: New Technologies in Aortic and Structural Heart Disease

Moderators: *Gilbert H. Tang, New York, NY, and Tsuyoshi Kaneko, Boston, MA*

- 10:15 AM Aortic Valve Repair Technology and Devices: Where Are We Going?
Y. Joseph Woo, Stanford, CA
- 10:23 AM PHASTER: Proximal Hybrid Aortic Stent Graft for Extended Repair
Eric E. Roselli, Cleveland, OH
- 10:31 AM Branched Endografts for the Aortic Arch
Ourania A. Preventza, Houston, TX
- 10:39 AM Panel Discussion
- 10:49 AM Minimally Invasive Transcatheter Aortic Valve Replacement in Mitral Annular Calcification: Pearls and Pitfalls
Tom C. Nguyen, Houston, TX
- 10:57 AM Transapical Mitral Replacement With Anterior Leaflet Splitting: A Novel Technique to Avoid Left Ventricular Outflow Tract Obstruction
Richard Lee, Augusta, GA
- 11:05 AM Update on New Transcatheter Mitral Replacement Devices
Michael J. Reardon, Houston, TX
- 11:13 AM Panel Discussion
- 11:23 AM A New Sutureless Device to Repair Mitral Chords
Thierry P. Carrel, Bern, Switzerland

- 11:31 AM First-in-Man Implantation of a Novel Balloon-Adjustable Mitral Ring
Alfred A. Kocher, Vienna, Austria
- 11:39 AM Tricuspid Extracellular Matrix Cylinder Valves in Endocarditis: Earliest Steps to In-Human Valve Generation
Marc W. Gerdisch, Indianapolis, IN
- 11:47 AM Panel Discussion

10:15 AM – 12:00 PM

Tech-Con General Thoracic Track II: New Technologies in Esophageal Surgery

Moderators: Andrew C. Chang, Ann Arbor, MI, and Siva Raja, Cleveland, OH

- 10:15 AM Tissue-Engineered Esophagus
Dennis A. Wigle, Rochester, MN
- 10:27 AM POP and STER: Endoscopic Pyloromyotomy and Submucosal Tumor Resection
Brian E. Louie, Seattle, WA
- 10:39 AM FLIP for LINX: Endoflip for Anti-Reflux Surgery
Min P. Kim, Houston, TX
- 10:51 AM Panel Discussion
- 11:06 AM Atrial Septal Defect Closure Device for Tracheoesophageal Fistula Repair
Daniel P. Raymond, Cleveland, OH
- 11:18 AM Subxiphoid Approach to Mediastinal Tumor Resection
Takashi Suda, Aichi, Japan
- 11:30 AM EndoVAC for Esophageal Leak
Wayne L. Hofstetter, Houston, TX
- 11:42 AM Panel Discussion

12:00 PM – 1:00 PM

LUNCH—Visit Tech-Con Exhibits

1:00 PM – 2:30 PM

Tech-Con Joint Session: The Future of Cardiothoracic Surgery Is Here

Moderators: Melanie A. Edwards, St Louis, MO, and Tom C. Nguyen, Houston, TX

- 1:00 PM **Keynote Address:** Artificial Intelligence—Hope, Hype, or Horror for Med Tech?
Thomas M. Krummel, Stanford, CA
- 1:30 PM 2018 Year in Review: Summary of New Technologies and Major Research
Adult Cardiac: Vinod H. Thourani, Washington, DC
General Thoracic: Todd L. Demmy, Buffalo, NY
Congenital: Carlos M. Mery, Austin, TX
- 1:51 PM A Call for Change: Maintaining the Future of Our Field
Tom C. Nguyen, Houston, TX
- 1:56 PM The Kinder, Gentler 4th Era of Heart Surgery
Jude S. Sauer, Pittsford, NY

- 2:04 PM Planning for Future Reoperation: Choosing the Valve for the Present
Keith B. Allen, Kansas City, MO
- 2:12 PM Radiomics and Lung Cancer Detection/Modeling: Is This the Holy Grail?
Shanda H. Blackmon, Rochester, MN
- 2:20 PM Panel Discussion

2:30 PM – 3:00 PM

BREAK—Visit Tech-Con Exhibits

Debates

Moderators: *Bradley G. Leshnowar, Atlanta, GA, and Virginia R. Little, Boston, MA*

- 3:00 PM DEBATE: Coronary Revascularization Should Only Be Performed by Dedicated Coronary Artery Bypass Grafting Surgeons
PRO: *John D. Puskas, New York, NY*
CON: *Gorav Ailawadi, Charlottesville, VA*
- 3:30 PM DEBATE: Peroral Endoscopic Myotomy Should Replace Laparoscopic Heller Myotomy
PRO: *Siva Raja, Cleveland, OH*
CON: *Christopher W. Seder, Chicago, IL*

“Shark Tank”

Moderators: *Daniela Molena, New York, NY, and Grayson H. Wheatley, Nashville, TN*

- 4:00 PM Past “Shark Tank” Presenters: Where Are They Now? What Have We Learned?
Juan P. Umana, Bogota, Colombia
- 4:10 PM Rapid and Leakproof Aortic Anastomosis Stapler
Syed T. Raza, New York, NY
- 4:20 PM Toroidal Valveless Pulsatile-Flow Ventricular Assist Device
Jeffrey R. Gohean, Austin, TX
- 4:30 PM Neurostimulation for Pain Management After Cardiac Surgery
Usman Ahmad, Cleveland, OH
- 4:40 PM Tracheomend
Faiz Bhora, New York, NY
- 4:50 PM Discussion

5:00 PM – 6:30 PM

RECEPTION—Visit Tech-Con Exhibits