

THE ISMICS



New York

29 May - 1 June 2019

Marriott Marquis New York, New York

INSIDER

YOUR INSIDE LOOK AT THE ISMICS ANNUAL MEETING

WEDNESDAY/ THURSDAY ISSUE

WEDNESDAY Highlights

MASTERS DAY:
Cardiac Sessions

NEW TIME: 18.00-19.45
Technical Challenges,
Pitfalls & Disasters

Welcome Reception in
Exhibition Hall

THURSDAY Highlights

Thoracic Masters

Cardiac Sessions

New Member Introduction

Award Presentations

Presidential Address

Lunch Symposia

Poster Competition 1st Round

From the President:

Welcome to the 2019 ISMICS Meeting

Welcome to the 2019 Annual Scientific Meeting. We are sure this meeting will exceed your expectations for an innovative and exciting scientific program. Our Program Committee - Drs. Marc Ruel and Tom Nguyen on the cardiac side and Drs. Mara Antonoff and Sudish Murthy on the thoracic side have organized an outstanding program. The meeting will include all of the traditional sessions you have come to expect, including master classes, focused sessions, the technical challenges session, late-breaking news, and the ever popular poster competition.

We are fortunate to have exceptional guest lectures. The Keynote Address will be presented by Amir Benson, MD on Friday and the Kit Arom Lecture will feature a live interview with Dr. Mihaljevic in "Innovations in Healthcare."

I would like to recognize Dr. Ralph Damiano for his leadership as the Editor of the Society's

journal INNOVATIONS for the past decade. Dr. Damiano is completed his term and I thank him for the continued success of the journal. I strongly urge you to submit your manuscripts for publication in the journal, innovjournal.com.

ISMICS has continued to expand its educational outreach throughout the year, offering co-sponsorship of courses and meetings held around the world. The ISMICS 2018 Workshop was held in conjunction with the 12th Congress of the Hellenic Society of Thoracic & Cardiovascular Surgeons in Athens, Greece. The 2019 Workshop will be held in Mexico City, the 2020 Workshop in New Delhi, India and the 2021 Workshop in Cairns, Australia.

ISMICS is committed to lead and promote innovation and technological advancement in cardiothoracic and cardiovascular surgery through scientific analysis and education.

Enjoy the meeting!

DON'T MISS THE PRESIDENTIAL ADDRESS



Niv Ad, MD

**Original Thinkers
and Progress
Thursday
1.30 - 12.15**

NEW YORK CITY Welcomes the ISMICS Annual Meeting

The Big Apple awaits attendees at the ISMICS Annual Meeting. A city that the city has to offer is available just minutes from the Marriott Marquis. Attendees and their guests have plenty of activities to choose from, when not enjoying the scientific sessions and the ISMICS annual meeting social events.

Just steps from the meeting, stand many of New York City's most iconic attractions, including Broadway, Rockefeller Center and Radio Music Hall.

And a quick break from the meeting puts you right in the middle of the action - Times Square. This exciting section of the city includes



Don't miss the NEXT issue of the ISMICS Insider, available



SIMPLY *fICS* IT™



THINK: Kinder, Gentler
SURGERY
DO: fast INTERCOSTAL CARDIAC



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ISMICS Insider

*The official newspaper of the
ISMICS 2019 Annual Meeting*

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Moderated Poster Competition:**Thursday and Friday**

The Best Moderated Poster Competition is a peer-review session conducted in two rounds. One of the most popular and exciting sessions of the ISMICS Annual Meeting, the first round will be held on Thursday at 17.00 in the Lyceum Complex. Chief Moderator, Simon Moten, will oversee the competition and direct the judges.

First round presentations are divided into topic groups, with several groups presenting concurrently. Topic groups include: Aortic and Endovascular Therapies; Arrhythmia Surgery; Heart Failure Surgery Perfusion and Assist Devices; Revascularization Procedures; Aor-

tic Valve Minimally Invasive Approaches, Technologies and Techniques; Mitral Valve Minimally Invasive Approaches, Technologies and Techniques; Thoracic Surgery; Imaging and Facilitating Technology for Cardiac Surgery; Valve Transcatheter Techniques; and Pediatric.

The highest scoring posters in each group become the semi-finalists and compete in the Final Round on Friday at 16.15, making their presentations to the entire audience. Topic moderators score the semi-finalists to select the Best Moderated Poster, which will be announced on Saturday.



ISMICS Members' Annual Business Meeting

All ISMICS members are requested to attend the **Members' Business Meeting, Saturday, 08.30-09.00 West Side Salon 1 & 3**



Download the ISMICS Meeting App and have the meeting on your fingertips



To download the app, scan the barcode.

Or download Guidebook in the Apple App Store or the Android Marketplace. Once you open Guidebook click on "Find Guidebook" in the lower right-hand corner and search ISMICS2019.

ISMICS in NYC (continued from page 1)

billboards, and amazing people-watching opportunities. Known as the "crossroads of the world", Times Square is the quintessential attraction in NYC and is the best place to enjoy the energy and vibrancy that is New York City.

Want tickets to a Broadway show? The Times Square TKTS booth is located on Duffy Square, at 47th St. and Broadway, and offers same-day discounted tickets to dozens of Broadway and Off Broadway shows.

Looking for a place to grab a bite? There's something for every taste, craving, and budget. Restaurant Row, on West 46th Street between 8th and 9th Avenues,

Entertainment in Times Square encompasses contemporary art and experimentation and embraces the concept of freedom of expression and features lively street performances and live music at all times of the day and night.

A short walk from the annual meeting will bring you to Central Park, offering a natural oasis within the city. Take a horse and carriage tour, rent a bike and pedal through the park, or take a gondola ride on the Lake. Popular historical attractions include Belvedere Castle with its panoramic views, The Blockhouse, a remaining fort from the War of 1812, numerous statues of iconic figures and the



2019 INDUSTRY SYMPOSIA:

Thursday - 30 May

Luncheon Symposia (12:15- 13:45)

INTUITIVE

West Side Salon 2

Medtronic

West Side Salon 1&3

SIEMENS

West Side Salon 4

Friday - 31 May

Breakfast Symposium (06:30- 07:50)



West Side Salon 2

Friday - 31 May

Luncheon Symposia (12:20- 13:50)

AtriCure

West Side Salon 1&3



West Side Salon 4

2019 SOCIAL EVENTS:

Welcome Reception

Wednesday - 29 May (17:00 - 18:30)

Exhibition Hall

Friday Evening Reception

A Taste Of New York

Friday - 31 May (18:30 - 20:30)

Skylobby - 16th floor

Exhibition Hall Reception

and Poster Competition

Thursday - 30 May (17:00 - 18:15)

Exhibition Hall





ISMICS Research and Educational Awards

Subramanian Innovation Award

The Subramanian Innovation Award was developed in 2016 through a generous donation to the ISMICS Research and Education Fund made by ISMICS Past President and Founding Member Dr. Valavanur A. Subramanian. The winner of the Subramanian Innovation Award shall receive grant funding to be used toward taking their innovation and bringing it to reality for implementation. Recipient is awarded \$5,000 USD. Dr. Subramanian is also generously contributing up to \$1,800 per finalist for reimbursement of the finalists' travel expenses to the annual meeting.

Past Recipients: 2018 - Faouzi Safadi, MD, Dubai Hospital and 2017- Muralidhar Padala, PhD, Emory University.

The Gründeman Scientific Research Award

The Gründeman Scientific Research Award is granted for demonstration of basic research or an early clinical concept that outlines a new innovation suited to Minimally Invasive Cardiothoracic Surgery (MICS). Research must show sound concept, its applicability to minimally invasive cardiothoracic surgery, meet a clinical need and show feasibility of introduction into clinical practice. The research may be in the area of new techniques for MICS or may facilitate the application of MICS with current procedures.

The first annual Gründeman Scientific Research Award was presented to Kyongjune B. Lee, George Washington University, at the 2018 ISMICS Annual Scientific Meeting. The award is available through a generous donation from Medtronic in honor of Paul F. Gründeman, MD, PhD, past Secretary of ISMICS. Recipient is awarded \$5,000 USD.

Chitwood Educational Travel Awards

These travel awards are granted annually by the ISMICS Research and Education Fund, through a generous contribution by former ISMICS President, Dr. W. Randolph Chitwood, Jr. In order to be eligible, you must be a Resident or Fellow attending the ISMICS Annual Scientific Meeting. The two selected winners will also receive complimentary Annual Meeting registration, and a year's complimentary Candidate membership in ISMICS, which includes a subscription to ISMICS journal, INNOVATIONS. Each recipient is awarded \$1,000 USD.

Previous Recipients: 2018: Jolien Neefs and Andrew Wisneski; 2017: Edward Percy and Alice Wang; 2016: Madonna Lee, Amber Melvin, and Cristiano Spadaccio; 2015: Matthew C. Henn and Vivek Srivastava.

Submitted your Manuscript to INNOVATIONS yet?

As a reminder, ISMICS offers all Annual Meeting Presenters who submit a manuscript to INNOVATIONS for consideration for publication a chance to receive one of two cash awards. All papers submitted up to and including the last day of the meeting are eligible for consideration for a \$2,000 Best Paper Award, which will be selected by the Awards Committee and announced prior to next year's meeting.

Papers submitted after the Annual Meeting are also eligible for consideration for a \$1,000 Best Paper Award. The winner will also be announced prior to next year's meeting.

Finalize your manuscript TODAY and take advantage of this

How You Can HELP.....

The International Society for Minimally Invasive Cardiothoracic Surgery (ISMICS) was formed in 1997 to enhance, promote and support research and education in, and related to, the field of minimally invasive cardiac surgery. In 2004 the Society expanded its scope and mission to include research and education in minimally invasive thoracic surgery.

ISMICS is helping shape the future of less invasive cardiac and thoracic surgery on a global basis. The mission of the Society is to lead and promote innovation and technological advancement in cardiothoracic and cardiovascular surgery through scientific analysis and education. The Society has over 800 international members which include Active, Candidate, Honorary, Allied Health Professional and Senior members. ISMICS is governed by a Board of Directors which meets three times a year and INNOVATIONS, which is MEDLINE indexed, is its official journal.

ISMICS created the Research and Education Fund, formerly the Leadership Fund, in 2006 to fund the Presidents' Awards at the ISMICS Annual Meetings and Winter Workshops. The Officers of ISMICS have taken the lead in supporting the ISMICS Research and Education Fund and invite you to assist them in their goal of funding its annual awards. Your generous gift will help them to attain that goal.

**VISIT WWW.ISMICS.ORG
TO CONTRIBUTE.**

Accreditation Statement

In support of improving patient care, this activity has been planned and implemented by Ciné-Med and ISMICS. Ciné-Med is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team. Ciné-Med designates this live activity for a maximum of **23.75 AMA PRA Category 1 Credit(s)[™]**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Claim CME Credits/ Letter of Attendance

CME certificates will be sent via the online tracking form. For attendees who require a letter of attendance or CME certificate, you will be able to submit an application electronically the week following the meeting.

ISMICS requires an email address to forward you the link to apply. If you registered via fax, post or carrier pigeon, and are not an ISMICS member, the Society may not have your email address.

Please stop by the Registration Desk to update your email address. All CME credits must be claimed within 90 days of the meeting.



Aurelie M. Alger, JD

I am delighted to welcome our ISMICS members, attendees and guests to our 22nd Annual Meeting, here in the heart of New York City at the Marriott Marquis Times Square. ISMICS has not been in New York City since 2005, and we are delighted to return to the vibrant city that never sleeps, celebrating yet another year of innovation and advances in the care of cardiothoracic patients. We hope that you have time while you are here to enjoy the city and its attractions, in addition to enjoying the fellowship, camaraderie and inclusive spirit that is truly unique to ISMICS.

Our ISMICS President Dr. Niv Ad has worked tirelessly this year to ensure that ISMICS advances as the leader in minimally invasive and innovative cardiothoracic surgery, as well as to take our journal, *INNOVATIONS*, forward in his first year as Editor-in-Chief. The scientific program for 2019 again is a bit different; ISMICS never follows the same format and always seeks to integrate new concepts and ideas to keep each annual meeting fresh and innovative, much like the Society itself. This year's 4 Program Co-Chairs, Drs. Marc Ruel and Tom Nguyen on the Cardiac side, and Drs. Sid Murthy and Mara Antonoff on the thoracic side have done an outstanding job crafting a full and diverse program packed with superb faculty. The cardiac sessions incorporate abstracts with a session overview as well as "Live in a Box" presentations, Cross Fire Sessions, and a Saturday session entitled "Back to High School:

A Message From Your ISMICS

Executive Director

debating three topics: SAVR versus TAVR, MV Repair Minimally Invasive versus Sternotomy and Minimally Invasive Sternal-Sparing CABG: Conventional versus Robotic. The Thoracic Program begins with a Thoracic Masters Day on Thursday, Friday and Saturday sessions of diverse oral presentations focused on multiple MI thoracic procedures, and ending with the Thoracic Movie Session moderated by our Program Co-Chairs Drs. Antonoff and Murthy.

For the second year in a row, ISMICS will be partnered with CTSNet on a live webcast transmission, broadcasting some of our most exciting sessions to the global CT community; these will then be archived on the CTSNet website and accessible via a link from ISMICS meeting. ISMICS always seeks to incorporate interesting lecturers, and this year Dr. Ad has invited Dr. Amir Belson from Israel as the 2019 Keynote Speaker, who will present the talk "Out of the Box – The Journey from Initial Idea to a Successful Product." For the Kit V. Arom Lecture, longtime ISMICS member and cardiac surgeon-turned CEO of the Cleveland Clinic, Dr. Tommy Mihaljevic, will be joining Dr. Ad onstage for a fireside chat around Innovations in Healthcare, answering questions from Dr. Ad as well as our audience.

Our Annual Meeting also has traditions which continue, including a Welcome of all New Members, the 2-phase Poster Competition, with Chief Moderator Dr. Simon Moten, the third year of our Subramanian Innovation Award final competition and winner selection, where the audience as well as a panel of judges has a vote, and announcements of the Grundeman Award Winner, the Chitwood Award Winners, and then our Poster Competition finalists and Grand Prize Winner. ISMICS

offers full-text abstracts, and also through the upcoming *INNOVATIONS* abstract issue. Dr. Ad and our new Managing Editor, Dr. S. Holmes, are taking the foundation of *INNOVATIONS* and making the journal even more relevant, innovative and representative of the best of the specialty and what makes ISMICS so unique among its peers.

For our newer attendees, I want to remind you that ISMICS is so much more than a meeting; in addition to our journal, which all members receive via complimentary subscriptions, we have midyear workshops around the world, held in the fall or early winter in collaboration with an ISMICS member and a collaborative organization. This year we are delighted to be bringing the ISMICS Workshop to Mexico City under the guidance of Dr. Jorge Catrip. ISMICS also co-sponsors multiple educational programs around the globe, and partners with longtime ISMICS member Dr. Mahesh Ramchandani and his team at Methodist DeBakey in Houston on the ever-popular Re-Evolution Summit, which offers state of the art hands on training at MITIA, Methodist Institute for Technology, Innovation and Education. ISMICS also produces white papers, which have been published over the past 15 years in the form of Expert Consensus Statements. The latest one, on TAVR, is almost complete and Dr. Vinod Thouras will be presenting a summary of the work to date during our meeting, and our most recent to be published, on VATS Lobectomy demonstrates ISMICS' recognition of the cardiac and thoracic side of the minimally invasive specialty.

ISMICS is a living Society that its focus develops as the cardiothoracic specialty moves forward, and in that even its most senior members welcome and embrace their newest colleagues

ISMICS never follows the same format and always seeks to integrate new concepts and ideas to keep each annual meeting fresh and innovative, much like the Society itself.



EXHIBITORS

EXHIBITION HALL HOURS

Wednesday	17.00 – 18.30	Exhibit Hall OPENS with ISMICS Welcome Reception
Thursday	07.00 – 12.00	13.45 – 18.15 17.00 Reception: 17.00 - 18.15
Friday	07.00 – 12.00	13.50 – 15.30

Abbott **Table 15**
6300 Bee Cave Road, Building
2, Suite 100, Austin, TX, USA
www.abbott.com

Abbott is a global healthcare leader that helps people live more fully at all stages of life. Our portfolio of life-changing technologies spans the spectrum of healthcare, with leading businesses and products in diagnostics, medical devices, nutritionals and branded generic medicines. Our 103,000 colleagues serve people in more than 160 countries.

AngioDynamics, Inc.
Table 10
14 Plaza Dr. Latham, NY, USA
www.angiodynamics.com

AngioDynamics, Inc., is a leading provider of innovative, minimally invasive medical devices used by professional healthcare providers for vascular access, vascular interventions and therapies, and oncology. Diverse product lines include market-leading ablation systems, vascular access products, angiographic products and accessories drainage products, thrombolytic products and venous products.

Ansabere Surgical
Table 14
Poligono Industrial Noain
Esquiroz, Calle H - Nave 4,
Esquiroz Navarra, Spain
www.ansaberesurgical.com/en

Ansabere Surgical, Spanish company dedicated to design and manufacture medical devices such as Surgical retractors and Orthopaedic positioners. We have more than 20 years of experience and our R&D department has developed and patented innovative medical devices in almost all the specialties, in collaboration with prestigious pro-

AtriCure **Table 5 & 6**
7555 Innovation Way, Mason,
OH, USA
www.atricure.com

AtriCure provides innovative technologies for the treatment of Afib and related conditions. The Isolator® Synergy™ Ablation System is FDA approved for the treatment of persistent Afib. AtriCure's AtriClip Left Atrial Appendage (LAA) Exclusion System products are the most widely sold LAA management devices worldwide, with more than 170,000 implanted.

Biom'up USA, Inc
Table 30
413 W 15th Street, NY, NY, USA
www.biomup.com

Biom'up, a specialist in collagen-based absorbable medical devices for biosurgery, is creating innovative and clinically proven products used in many surgical specialties such as cardiothoracic and general surgeries. Biom'up is committed to the design, development, and delivery of novel, high-performing solutions that make life easier for surgeons and better for patients.

Delacroix-Chevalier
Table 29
Z.I. La Vendue, 52906
Chaumont, France
www.landanger.com -
www.delacroix-chevalier.com

Delacroix-Chevalier is proud of marrying the famous French manufacturer know-how to surgical excellence. We are dedicated to creating instrumentation with the vision of tomorrow and convert surgical acts into successes. Our worldwide clients' confidence comes from our legendary quality and passion to simply bring you innovations, such as the new

Edwards Lifesciences
Table 4
One Edwards Way,
Irvine, CA, USA
www.edwards.com

Edwards Lifesciences, based in Irvine, Calif., is the global leader in patient-focused medical innovations for structural heart disease, as well as critical care and surgical monitoring. Driven by a passion to help patients, the company collaborates with the world's leading clinicians and researchers to address unmet healthcare needs, working to improve patient outcomes and enhance lives. For more information, visit www.edwards.com and follow us on Twitter @EdwardsLifesci.

Essential Pharmaceuticals, LLC
Table 12A
1009 Slater Road, Suite 210B,
Durham, NC
www.essentialpharma.com

Essential Pharmaceuticals, LLC is a specialty pharmaceutical company devoted to the development and sales of pharmaceutical products including Custodiol® HTK organ preservation solution. Originally developed for cardiac surgery, Custodiol® HTK offers advantages in heart & abdominal transplant. Histidine acts as a highly effective buffer within the solution."

Fehling Surgical Instruments
Table 13
509 Broadstone Lane,
Acworth, GA
www.fehlingsurgical.com

Fehling Surgical Instruments is the leader in finely crafted surgical instrumentation, having focused on cardiothoracic surgery for over thirty years. We feature minimally invasive valve sets including NEW retractor designs for unmatched exposure of the left

Genesee BioMedical Tab
700 W. Mississippi Avenue
Unit D5, Denver, CO U
www.geneseebiomedical.com
 Genesee BioMedical is a world-class manufacturer of medical devices for cardiac surgery, including products for aortic, mitral and tricuspid valve repair and valve retractors for adult and pediatric surgery.

Getinge **Table 7**
45 Barbour Pond Drive
Wayne, NJ, U
www.getinge.com

Getinge is a leading global provider of innovative solutions for operating rooms, intensive-care units, hospital wards, sterilization departments and for life science companies and institutions. Based on first-hand experience and close partnerships, Getinge offers innovative healthcare solutions that improve every-day life for people, today and tomorrow.

JACE Medical **Table 11**
3516 Commerce Drive
Warsaw, IN , U
www.jacemed.com

JACE Medical is the leader in speed and efficiency with rigid endoscopic closure applied both pre-sternotomy (Grand Pre®) and post-sternotomy (Low Profile). JACE offers the broadest portfolio of products on the market providing the thinnest plates and strongest screws for primary, specialty, and reconstruction procedures. Please view sample video clips at www.jacemed.com

Karl Storz Endoscopy-America, Inc. **Table 12**
2151 E. Grand Avenue
Segundo, CA, U
www.karlstorz.com

Karl Storz has been a leader in endoscopy for nearly 75 years in producing reliable endoscopy and related technologies, delivering enterprising, wide, scalable solutions for surgical endoscopic video imaging instrumentation and operating room integration, combined with best-in-class service. In addition, we offer a wide array of products to

KLS Martin Table 12
PO Box 16369, Jacksonville, FL
www.klsmartinorthamerica.com
 KLS-Martin, a responsive company, is focused on the development of innovative fixation products for use in the chest wall. New product developments in our fixation systems allow these products to be used for fracture fixation, reconstruction and chest wall stabilization.

LivaNova Table 17
14401 W 65th Way, Arvada CO
www.Livanova.com
 LivaNova is a world leader in the treatment of cardiovascular disease. Our innovative product portfolio includes aortic and mitral valve replacement and repair, perfusion equipment, cannulae and advanced circulatory support. LivaNova's technologies and breakthrough treatments provide meaningful solutions for the benefits of patients, healthcare professionals and healthcare systems.

LSI Solutions Table 16
7796 Victor-Mendon Rd, Victor NY, USA
www.lsisolutions.com
 LSI SOLUTIONS® is a medical device company dedicated to advancing minimally invasive therapeutics through research, development, and manufacturing of minimally invasive surgical instruments. Our customer is ultimately a patient. Our technology challenges human illness. Our mission is to lead the world in medical production innovation.

Medistim Table 11
14000 25th Ave. N. #108, Plymouth, MN, USA
www.medistim.com
 Medistim is the market leader in intraoperative ultrasonic guidance and quality assessment focused on improving surgical outcomes. Our MiraQ™ platform offers the unique combination of transit time flow measurement (TTFM) and high-frequency ultrasound imaging. This technology enables surgeons to execute necessary cor-

Medtronic Table 19 & 20
710 Medtronic Parkway, Minneapolis, MN, USA
www.medtronic.com

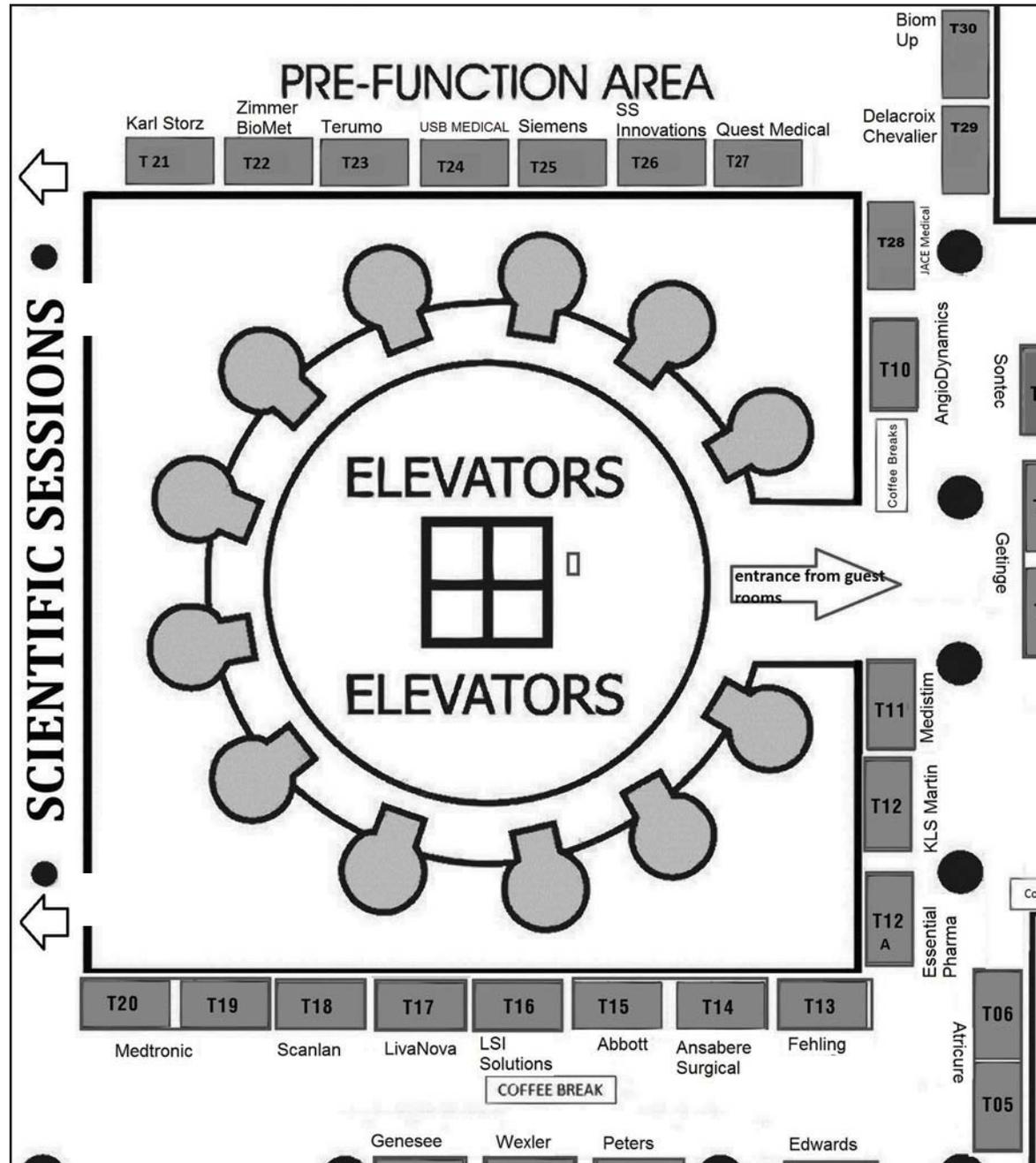
Patients are at the center of everything we do—and we believe medical technology can play an even greater role in improving people's lives. Join us in our commitment to take healthcare Further, Together. Be inspired at medtronic.com.

Peters Surgical Table 3
10 Cordage Park Circle, Suite 100/200, Plymouth, MA, USA
www.peters-surgical.com
 The Peters Surgical and the

Geister Group will be presenting their full range of Minimally Invasive and Open CV Surgical Products including quality PETERS CV Sutures, SLS™ and 9™ Ligation Clip Systems; the Vitalitec Intrack® Atraumatic Clamps and Cygnet® Flexible Clamps along with the Greyhound™, Novaclip™ and Sofia™ bulldogs. Also on display will be the Vitalitec Enclose II Anastomosis Assist Device and a full range of the GEISTER open and ValveGate® MIS CV instrumentation. Unique, Innovative, quality products backed by industry leading customer service.

Quest Medical, Inc. Table 27
One Allentown Parkway, Allen, TX 75013
www.questmedical.com

Quest Medical, Inc. is a medical device manufacturer and worldwide distributor specializing in protecting the heart during diac surgery with the Quest M2® and Microplegia. Quest offers a unique variety of a punches, perfusion safety valves and vascular loops designed for optimum cardiovascular surgery.





Scanlan International

Table 18

One Scanlan Plaza, St Paul,
MN, USA

www.scanlaninternational.com

Highest quality surgical products designed and manufactured by the Scanlan family since 1921. Full line of SCANLAN® MICS and VATS instruments: new Scanlan® Scanturian™ MIS Instruments, longer length VATS instruments for Subxiphoid procedures, Scanlan® LEGACY Needle Holders and Forceps, featuring our new revolutionary Scan-II™ handle design.

Siemens Healthineers

Table 25

40 Liberty Boulevard,
Malvern, PA USA

[www.usa.siemens.com/
healthineers](http://www.usa.siemens.com/healthineers)

At Siemens Healthineers, our purpose is to enable healthcare providers to increase value by empowering their journey towards expanding precision medicine, transforming care delivery, and improving patient experience, enabled by digitalizing healthcare. A leader in medical technology for more than 120 years, the > 48,000 dedicated colleagues at Siemens Healthineers will continue to innovate and shape the future of healthcare.

Sontec Instruments Table 9

7248 South Tucson Way,
Centennial, CO, USA

www.SontecInstruments.com

Sontec offers a comprehensive selection of exceptional hand held surgical instruments, headlights and loupes available to the discriminating surgeon. There is no substitute for quality, expertise and individualized service. Sontec's vast array awaits your consideration at our booth.

SS Innovations China

CO.LTD.

Table 26

501#, 5th building, Hangzhou
Medicine Valley, Fucheng
Road 291#, Xiasha Economic
Development Zone
Hangzhou, Zhejiang, PR.
China

www.ssinnovations.org |
www.omni3dhd.com

SS Innovations China Co. Ltd., (SSI) a company based in Hangzhou, China was founded by renowned Robotic Cardiac Surgeon Dr Sudhir Srivastava in November 2016. The company is involved in the development of a modular, lightweight multi-arm surgical robotic system that would be very cost effective to be able to help many more patients globally. The system has open Surgeon Command Center that is ergonomic with 32-inch 3D 1080p HD and additional Monitor to pro-

vide patient's digital information. The Omni 3D HD display on vision cart provides 3D vision to the entire surgical team with recording, playback and live streaming allowing for teaching, training and tele-mentoring. The system is capable of multi-specialty procedures including cardiac surgery.

Terumo

Table 23

6200 Jackson Rd, Ann Arbor,
MI, USA

www.terumo-cvs.com

At Terumo Cardiovascular Group, we develop, manufacture, and distribute medical devices for cardiac and vascular surgery with an emphasis on cardiopulmonary bypass, intra-operative monitoring and vascular grafting. Through collaboration with clinicians worldwide, we work to solve problems, streamline processes, reduce costs, and improve patient outcomes in the cardiac OR.

USB MEDICAL

Table 24

2800 Turnpike Drive, Hatboro,
PA, USA

www.usb-medical.com

USB's HV Heart Retractor will forever change your view of minimally invasive heart surgery. Come see!

Wexler Surgical Table 10

11333 Chimney Rock
Suite 110, Houston, TX, U

www.wexlersurgical.com

Wexler Surgical designs and manufactures a variety of titanium and stainless steel specialty surgical instruments and products. Cardiac, Vascular, Thoracic, Micro Surgery. Come see our VATS/MICS instruments and about our Optimus Series. Visit online at for more information about our products and services.

Zimmer Biomet Table 11

1520 Tradeport Dr

Jacksonville, FL, U

www.zimmerbiomet.com

Founded in 1927 and headquartered in Warsaw, Indiana, Zimmer Biomet is a global leader in musculoskeletal healthcare. With operations in more than 25 countries around the world, we design, manufacture and market orthopaedic reconstructive products, sports medicine, biologics, extremities and trauma products, spine, bone healing, cranio-maxillofacial and thoracic products, dental implants; and related surgical products.

DON'T MISS.....

Welcome Reception: WEDNESDAY 17.00

Attendee Reception: THURSDAY 17.00

From Your ISMICS Executive Director (continued from page 5)

who may be presenting their work for the first time. We are interna-

tional, with future workshops planned in India (2020) and Australia (2021), and our 2020 Annual Scientific Meeting traveling to Warsaw, Poland in Eastern Europe. Our members come from over XX countries around the world. For our non-member attendees, I urge you to join and become part of this dynamic and inclusive group. The hierarchy found in many cardiothoracic societies does not exist in ISMICS – only an atmosphere of welcome and genuine interest in what is

It has been my pleasure to serve as your Executive Director for ISMICS for 18 years now. In the spirit of ISMICS, I am proud to say that I count so many members, leaders and Past Presidents not only as professional partners, but as friends. For that is the nature of ISMICS – a welcoming Society, with a boundless trajectory and some of the most dedicated leadership I have had the privilege of working with. What makes ISMICS truly unique is the passion and commitment of its members

Society's special synergy with industry. If this is your first time joining us, I am confident that you will be returning to ISMICS for many years to come.

Our ISMICS team onsite in New York consists of myself, S. Alger, EJ Weldon, Yvonne Grunebaum, Brittany Fiore, and Lorraine O'Grady. Stop by Registration and say hello – and learn more about how you can become a part of ISMICS. And once again, Welcome to the Big Apple!

Aurelie

What makes ISMICS truly unique is the passion and commitment of its members and its leadership, its absolute



ISMICS wishes to thank these companies for their support of the Society and for their commitment to developing minimally invasive surgery techniques and technologies:

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97% Successful Left Atrial Appendage (LAA) Closure Rate*

- No AtriClip Device Migrations
- No AtriClip Device Related Complications
- With More Than 5 Years Follow-Up

The body of clinical evidence for the AtriCure AtriClip LAA exclusion systems identifies an average LAA closure success rate of 97% (93-100%) including more than 5 years of follow-up (peri-procedure to 8 years) and including 991 cardiac surgery patients. In these peer-reviewed and pre-market clinical science reports, success was defined as no residual blood flow from the LAA into the left atrium and less than 1 cm residual LAA neck (0 to less than 10 mm). AtriClip device implants were stable with no reports of device migrations and no reports of device related complications.

Reference	Results
Ailawadi (2011) ¹	<ul style="list-style-type: none"> • 98.4% successful LAA closure • 3 month follow-up
Caliskan (2017) ²	<ul style="list-style-type: none"> • 100% successful close rate • More than 5 years follow-up
van Laar (2018) ³	<ul style="list-style-type: none"> • 95% successful LAA closure rate • 6 month follow-up
Ellis (2017) ⁴	<ul style="list-style-type: none"> • 93.9% successful LAA closure rate • 183 patient years follow-up
Kurfirst (2017) ⁵	<ul style="list-style-type: none"> • 98% successful LAA closure rate • 18 month follow-up
Emmert (2013) ⁶	<ul style="list-style-type: none"> • 100% successful LAA closer • 3.5 year follow-up

Reference	Results
Ad (2015) ⁷	<ul style="list-style-type: none"> • 100% successful LAA closure • 1 year follow-up
Gerdisch (2017) ⁸	<ul style="list-style-type: none"> • 98.7% successful LAA closure • 30 day follow-up
Mokracek (2015) ⁹	<ul style="list-style-type: none"> • 93% successful LAA closure • 11 month follow-up
Page (2017) ¹⁰	<ul style="list-style-type: none"> • 100% successful LAA closure • More than 1 year follow-up
Beaver (2016) ¹¹	<ul style="list-style-type: none"> • 100% successful closure • 1 year follow-up

*weighted average based on the number of patients

References:

- ¹Ailawadi, G. et al. (2011). Exclusion of the left atrial appendage with a novel device: early results of a multicenter trial. *J Thorac Cardiovasc Surg*, 142(5):1002-9.
- ²Caliskan, E. et al. (2017). Epicardial left atrial appendage AtriClip occlusion reduces the incidence of stroke in patients with atrial fibrillation undergoing cardiac surgery. *Europace*, 20. 10.1093/europace/eux21
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- ⁸Gerdisch, M. et al. AtriClip PRO• V™ Left Atrial Appendage Occlusion Study, AtriCure Inc., Post Market Field Evaluation of the PRO• V Device, PM-US-0071A-1020-G.
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- ¹⁰Page, S. et al. (2019). Left Atrial Appendage Exclusion Using the AtriClip Device: A Case Series. *Heart Lung Circ.*, 28(3):430-35.
- ¹¹Beaver, T.M. et al. (2016). Thoracoscopic Ablation With Appendage Ligation Versus Medical Therapy for Stroke Prevention: A Proof-of-Concept Randomized Trial. *Innovations*, 11(2):99-105.

Results from case studies are not predictive of results in other cases. Results in other cases may vary.

U.S. Indications: The AtriClip LAA Exclusion System is indicated for the occlusion of the heart's left atrial appendage, performed under direct visualization and in conjunction with other cardiac surgical procedures.