TABLE OF CONTENTS

Meeting Guide	
Accreditation Information	12
Acknowledgments	16
General Meeting Information	5
Metro Toronto Convention Centre Floor Plans	18
Presentation Guidelines	10
Agenda	
Allied Health Poster Competition	93
Learning Center	97
Lunches	104
Moderated Poster Competition	63
Resident Poster Competition	82
Scientific Program	23
Surgeon of the Future	102
Exhibits & Sponsorship	
Exhibitor Product Descriptions	109
Exhibitor Product Service Listing	130
Industry Supported Symposia Listing	139
AATS Information	
AATS Graham Foundation	155
Committee Representatives and Workforces	144
Future Meeting Dates	205
Necrology	201
Officers and Councilors	143
Past Presidents and Meetings	148
Past Secretaries and Treasurers	150
TSFRE	202



GENERAL MEETING INFORMATION

AATS Welcome Center

Visit the AATS Welcome Center, located next to registration on the 200 level at the Metro Toronto Convention Centre. The Welcome Center is your one-stop resource for questions regarding the AATS, Annual Meeting information and the city of Toronto. AATS staff and members of the Convention and Visitors Bureau of Toronto will be available to answer questions, make recommendations and reservations for dinner, suggest places to visit, and help you make the most of your visit to Toronto and the AATS Meeting. The Welcome Center will be open during registration hours for the duration of the Annual Meeting, please see below.

Registration

Registration will be located in the foyer of North Convention Centre on Level 200. Registration will be open during the following hours:

Friday, April 25	1:00 p.m 5:00 p.m.
Saturday, April 26	6:30 a.m 5:00 p.m.
Sunday, April 27	6:30 a.m 6:00 p.m.
Monday, April 28	6:30 a.m 5:00 p.m.
Tuesday, April 29	6:30 a.m 5:00 p.m.
Wednesday, April 30	6:30 a.m 12:00 p.m.

Speaker Ready Room

The Speaker Ready Room is located in room 204 of the Convention Centre. It is critical that ALL speakers visit the Speaker Ready Room at least 2 hours before presenting to ensure their presentation has been properly loaded and any embedded video or media files work with the audiovisual system. Please note: presentations will NOT be loaded in the meeting rooms. Personal laptops will NOT be used in the session rooms.

The Speaker Ready Room will be open during the following dates and times:

Friday, April 25	1:00 p.m 6:00 p.m.
Saturday, April 26	6:30 a.m 6:00 p.m.
Sunday, April 27	6:30 a.m 6:00 p.m.
Monday, April 28	6:30 a.m 6:30 p.m.
Tuesday, April 29	6:00 a.m 6:00 p.m.
Wednesday, April 30	6:00 a.m 12:00 p.m.







Shuttle Bus Schedule

A shuttle bus will be provided between the Sheraton and the Metro Toronto Convention Centre (MTCC) every fifteen minutes during the scheduled hours of the Annual Meeting. Please see below for start and end times of the shuttle bus.

Day	Start Time	End Time
Saturday, April 26, 2014	6:20 a.m.	8:00 p.m.
Sunday, April 27, 2014	6:20 a.m.	8:00 p.m.
Monday, April 28, 2014	6:20 a.m.	7:00 p.m.
Tuesday, April 29, 2014	6:20 a.m.	6:30 p.m.
Wednesday, April 30, 2014	6:30 a.m.	4:30 p.m

CME Certificates and Letters of Attendance

CME (Continuing Medical Education) and CE credits and Letters of Attendance may be obtained at the CME/CE Pavilion located on the 200 level of the Metro Toronto Convention Centre across from Registration. The CME/CE Pavilion computers will allow attendees to manage all of their CME/CE credits and Letter of Attendance for the Annual Meeting. Access may also be obtained post-meeting by visiting http://ceu.experient-inc.com/aat141.

Attendees may email their CME/CE certificate and/or Letter of Attendance to themselves or they may print them out on site at the CME/CE Pavilion.

Attendee Reception

The AATS 94th Annual Meeting Attendee Reception will be held on Tuesday, April 29, 2014 from 7:00 p.m. – 10:00 p.m. at Toronto's premier upscale bowling alley – The Ballroom. Sample premiere wines from the Niagara region at a featured wine tasting, hosted by Konrad Ejbich, a certified wine judge and expert who has adjudicated in France, Germany, Italy, The United States and Canada. Transportation will be provided from the InterContinental and Sheraton Hotels to The Ballroom. Shuttles will begin at 6:45 p.m. and will run continuously until 10:15 p.m.

Mobile App

The 2014 AATS Annual Meeting Mobile App provides attendees with the full meeting experience in the palm of their hands. Users have the ability to view meeting details including the program, attendees, speakers, exhibitors, venues and city information. In addition to its search features this year's app will once again provide a truly interactive experience for attendees. Features include in-app messaging*, audience response system, and live polling which will allow attendees to participate from their seats in the Saturday and Sunday sessions.

* In-app messaging will be provided for professional attendees only and requires login. The username (last Name) and password (confirmation ID) will need to be entered the first time







you open this portion of the app. Your registration ID number is listed on the bottom left corner of your badge. Please visit the AATS Welcome Center located in the registration area if you have any questions.

Social Media

"Like" the AATS on Facebook at www.facebook.com/AATS1917 and follow AATS on Twitter @AATSHQ for Annual Meeting updates (#aats2014) as well as Association news and trending topics in the industry.

Webcast

Be sure to view the 2014 AATS webcast which will include all Scientific Sessions, Presidential Address, Honored Guest Lecturer, and the Basic Science Lecture. Visit: http://webcast.aats.org/2014/

Coat and Luggage Check

A complimentary coat and luggage check will be located on Level 200 of the Convention Centre across from Room 203. Service will be provided during the following dates and times:

Saturday, April 26	6:30 a.m 5:30 p.m.
Sunday, April 27	6:30 a.m 7:00 p.m.
Monday, April 28	6:30 a.m 7:00 p.m.
Tuesday, April 29	6:30 a.m 6:00 p.m.
Wednesday, April 30	6:30 a.m 3:00 p.m.
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Special Accessibility Needs

If you require special accommodations to fully participate in the meeting, please visit the Registration Area at the Toronto Convention Centre and an AATS staff member will be happy to assist you.

Camera, Recording, Cell Phone and No-Smoking Policies

Due to privacy issues, it is the policy of AATS that no cameras are permitted in the meeting sessions or exhibit hall. Please refrain from taking photos in these locations. Audio and videotaping is also prohibited. For the courtesy of all faculty and participants, please ensure that cell phone ringers are silenced during all sessions. Smoking is not permitted in the Convention Centre, Hotels or Special Event Venues.

Emergencies

It is ALWAYS best to report a medical emergency to the Metro Toronto Convention Centre's Guest & Security Services Department. This is done by calling #8160 from any House Phone, OR you may call #416-585-8160 from your cell phone. DO NOT CALL 9-1-1.







First Aid

A First Aid Station is located on the 200 level of the Convention Centre, around the corner from Room 204.

What's Happening on the Exhibit Floor?

The AATS 94th Annual Meeting Exhibit Hall will be open during the following hours:

Sunday, April 27	5:30 p.m 7:30 p.m.
Monday, April 28	9:00 a.m 4:30 p.m.
Tuesday, April 29	9:00 a.m 4:00 p.m.

Welcome Reception

Sunday, April 27th at 5:30 p.m. - 7:30 p.m.

Join us as we officially celebrate the opening of this year's 94th Annual Meeting. Visit with our valued exhibitors and supporters in the AATS Exhibition Hall where you will learn cutting edge techniques, and discover groundbreaking new products while networking with other attendees. Come and enjoy fantastic food and festive libations!

Surgeons of the Future

Sunday, April 27th through Tuesday, April 29th

Located in Aisle 1500 of the Exhibition Hall, the AATS Surgeon of the Future (SOF) display features an innovative, state-of-the-art functional lab showcasing the latest equipment for the hybrid environment and a program of speakers who will discuss their real life clinical experiences with TAVR, TEVAR, Percutaneous MV, MIDCAB + PCI, VATS, and general thoracic hybrid procedures. For more details, see page 102.

AATS Learning Center

Open Sunday, April 27th through Tuesday, April 29th

The AATS Learning Center features cutting edge Case Videos of novel procedures and surgical techniques, as well as highlights of the 2014 Aortic Symposium and the 2013 Mitral Conclave. Learning Center station topics include: Aortic Valve Repair & Replacement, Mitral Valve Repair, Cardiac Tumors, Esophagus, Lung & Mediastinum, Perioperative Care & VADs, Congenital. The Learning Center is located in Aisle 1000 of the Exhibition Hall.

Resident Poster Session

Sunday, April 27th at 5:30 p.m. – 7:30 p.m. (*During Welcome Reception*)

Supported by AATS Graham Foundation

The AATS Resident Poster Competition provides an opportunity for a senior cardiothoracic surgery residents and/or congenital heart surgery fellows to represent their institution in a competition against one another by presenting a scientific poster of their clinical/investigative research.







Allied Health Poster Session

Sunday, April 27th at 5:30 p.m. – 7:30 p.m. (*During Welcome Reception*)

Supported by AATS Graham Foundation

The AATS Allied Health Poster Competition provides an opportunity for cardiothoracic allied health professionals to participate in a competition by presenting a scientific poster of their research findings and/or new and innovative ideas for successful approaches in the management of the cardiothoracic patient. The posters are at the end of Aisle 100 of the Exhibition Hall.

Moderated Poster Session

Tuesday, April 29th at 12:30 p.m. - 2:00 p.m.

The lively competition will feature 39 abstracts in three different categories: Adult Cardiac, Moderated by Ralph J. Damiano, Jr.; Congenital Heart Disease, Moderated by William J. Brawn; General Thoracic, Moderated by David R. Jones. The posters are at the end of Aisle 100 of the Exhibition Hall.

AATS Product Theater

Sunday, April 27th - Tuesday, April 29th in Aisle 1500

Come see an exciting Top Gun Competition sponsored by the Joint Council on Thoracic Surgery Education on Sunday evening in the exhibit hall from 6:00 p.m. – 7:00 p.m.

Come to the AATS Product Theater for lunch on Monday and Tuesday to hear interesting programs about the latest data on certain products.

Cyber Bar

Open Sunday, April 27th through Tuesday, April 29th

Visit the NEW Cyber Bar equipped with IPads to access the Internet, check email, and print your boarding pass. The Cyber Bar is located in Aisle 800 of the Exhibition Hall.







Speaker and Discussant Guidelines

Discussion of Papers: Members, non-member physicians and invited speakers have the privilege of discussing papers. Discussants are limited to two minutes and must limit their discussion to specific questions directly related to the author's presentation. All discussion will be presented from floor microphones and may not be accompanied by slides.

DISCUSSION GUIDELINES

Session	Presentation	Discussion	
Sunday, April 27, 2014			
Cardiothoracic Critical Care Symposium: Abstract Presentations	8 minutes	12 minutes*	
Monday, April 28, 2014			
Plenary Session	8 minutes	12 minutes*	
Adult Cardiac Surgery Simultaneous Sessions	8 minutes	12 minutes*	
Congenital Heart Disease Simultaneous Session	8 minutes	12 minutes*	
General Thoracic Surgery Simultaneous Session	8 minutes	12 minutes*	
Perioperative Care Simultaneous Session	8 minutes	12 minutes*	
Lillehei Resident Forum	7 minutes	5 minutes*	
Tuesday, April 29, 2014			
Cardiac & General Thoracic Forum Sessions	5 minutes	5 minutes*	
Emerging Technologies & Techniques Forum	6 minutes	4 minutes	
Video Session	10 minutes		
Plenary Session	8 minutes	12 minutes*	
Moderated Poster Competition	5 minutes		
Adult Cardiac Surgery Simultaneous Sessions	8 minutes	12 minutes*	
Congenital Heart Disease Simultaneous Session	8 minutes	12 minutes*	
General Thoracic Surgery Simultaneous Session	8 minutes	12 minutes*	
Aortic/Endovascular Simultaneous Session (Presentations 65–68)	8 minutes	12 minutes*	
Aortic/Endovascular Simultaneous Session (Presentations 69–74)	7 minutes	6 minutes*	



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Wednesday, April 30, 2014					
Adult Cardiac Surgery Simultaneous Sessions	5 minutes	6 minutes*			
Congenital Heart Disease Simultaneous Session	5 minutes	6 minutes*			
General Thoracic Surgery Simultaneous Session	5 minutes	6 minutes*			
Controversies in Cardiothoracic Surgery Debates	8 minutes each × 2 Rebuttals (7 minutes each)	15 minutes			

^{*}All discussants are limited to 2 minutes





Accreditation Information

Continuing Medical Education (CME) Accreditation

The American Association for Thoracic Surgery is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The American Association for Thoracic Surgery designates this live educational activity for a maximum of **41.25** *AMA PRA Category 1 Credits*™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

American Academy for Nurse Practitioners (AANP) Accreditation

This program is approved for **16.1** contact hours of continuing education by the American Academy of Nurse Practitioners. **Program ID** 1402111.

This program was planned in accordance with AANP CE Standards and Policies and AANP Support Standards.

American Academy of Physician Assistants (AAPA) Accreditation

This program has been reviewed and is approved for a maximum of **57.00** hours of AAPA Category 1 CME credit by the Physician Assistant Review Panel. Individual Physician Assistants can claim a maximum of **14.75** for the program. Physician Assistants should claim only those hours actually spent participating in the CME activity.

This program was planned in accordance with AAPA's CME Standards for Live Programs and for Commercial Support of Live Programs.

American Board of Cardiovascular Perfusion (ABCP) Accreditation

The American Board of Cardiovascular Perfusion designates this educational activity for a maximum of **46.2** Category 1 CEUs.

Maximum Credit Hours per Session

Saturday, April 26, 2014 – up to 8.50 hours (CME, AANP, AAPA, ABCP)

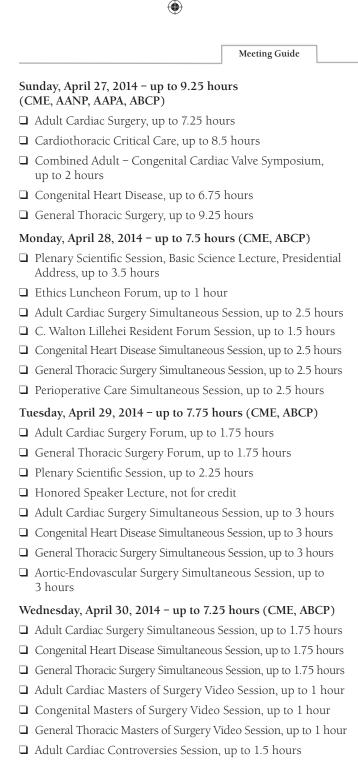
\Box	Adult	Cardiac	Skills	1112	to 8	hours
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- ☐ Congenital Skills, up to 8 hours
- ☐ General Thoracic Skills, up to 8 hours
- ☐ Allied Health Personnel, up to 8.5 hours
- Cardiothoracic Transplant and Mechanical Circulatory Support of Heart and Lung Failure, up to 8.25 hours
- ☐ Ethics Forum: Surgical Ethics Course, up to 7.5 hours.









☐ Collaborative Cardiac Care, up to 3 hours

For further information on the Accreditation Council for Continuing Medical Education (ACCME) standards of commercial

□ Congenital Controversies Session, up to 1.5 hours□ General Thoracic Controversies Session, up to 1.5 hours

support, please visit **www.accme.org**.



13





Statement of Need

Cardiovascular disease and cancer are the leading causes of mortality and morbidity around the globe. Major advances in these conditions continue to be made at a rapid pace. Improvements in diagnostic techniques as well as interventional approaches to treatment, both surgical and percutaneous, challenge the clinical practitioner to remain current. Increasingly sophisticated technology to accomplish these aims is being developed and introduced into clinical practice. Exciting advances in basic and clinical science offer opportunities for participation in scientific studies and clinical trials. All of these elements create a significant educational need for the practicing cardiothoracic surgeon. The AATS Annual Meeting fills this need through a combination of lectures, original scientific presentations, and discussion forums.

Educational Objectives

At the conclusion of the AATS Annual Meeting, through comprehensive lectures and discussions, participants will be able to:

- ☐ Assess the latest techniques and current research specifically related to Adult Cardiac Surgery, Cardiothoracic Critical Care, Congenital Heart Disease, and General Thoracic Surgery.
- ☐ Analyze the pros and cons of each presentation and subsequent discussion to gain an overall perspective of their current practices.
- Select appropriate surgical procedures and other interventions for their own patients based upon results presented.
- ☐ Integrate state-of-the art knowledge into their current practices.
- Identify the basic science developments and emerging technologies and techniques across the spectrum of cardiothoracic surgery.

Target Audience

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The AATS Annual Meeting is specifically designed to meet the educational needs of:

- ☐ Cardiothoracic Surgeons.
- ☐ Fellows and Residents in Cardiothoracic and General Surgical training programs.
- Physicians in related specialties including Cardiology, Cardiothoracic Anesthesia, Critical Care, Gastroenterology, Pulmonology, Radiology, Thoracic Oncology, and Vascular Surgery.

14

- ☐ Critical Care Teams including Anesthesiologists, Critical Care Nurses, Hospitalists, and Interventionalists.
- Allied Health Professionals involved in the care of cardiothoracic surgical patients including Nurses, Nurse Practitioners, Perfusionists, Physician Assistants, and Surgical Assistants.
- ☐ Medical students with an interest in cardiothoracic surgery.

Disclosure Policy

It is the policy of the American Association for Thoracic Surgery (AATS) that any individual who is in a position to control or influence the content of an educational activity to disclose all relevant financial relationships or affiliations. All identified conflicts of interest must be resolved and the educational content thoroughly vetted by AATS for fair balance, scientific objectivity, and appropriateness of patient care recommendations. In addition, faculty members are asked to disclose when any discussion of unapproved use of pharmaceutical or medical device occurs.

For further information on the Accreditation Council for Continuing Medical Education (ACCME) Standards of Commercial Support, please visit www.accme.org.





ACKNOWLEDGMENTS

We would like to thank the following companies for their support of this educational activity through educational grants:

AstraZeneca

Ethicon

Olympus

Thoratec

AATS would like to thank the following companies for their marketing support:

Medtronic

On-X Life Technologies

MAQUET Medical Systems USA

Edwards Lifesciences

Sorin Group

Sanofi Biosurgery

Myriad Genetic Laboratories

Ethicon

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CryoLife, Inc.

RTI Surgical, Inc.

Admedus Corporation

ClearFlow, Inc.

Covidien

LSI Solutions

AATS would like to thank the following companies for their educational support:

Medtronic

AstraZeneca

Ethicon

Olympus

Thoratec





We would like to thank the following companies for helping to make the Surgeon of the Future display possible:

MAJOR CONTRIBUTORS

Siemens

Maquet

Olympus

We would also like to thank the following companies for providing equipment to support the Surgeon of the Future presentations:

Abbott Vascular

Cook Medical

Edwards Lifesciences

Gore & Associates

Metronic

Scanlan International

Terumo Medical

Volcano Corp.



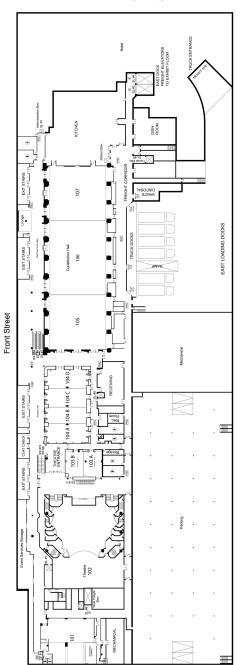




METRO TORONTO CONVENTION CENTER FLOOR PLANS

Level 100

Simcoe Street

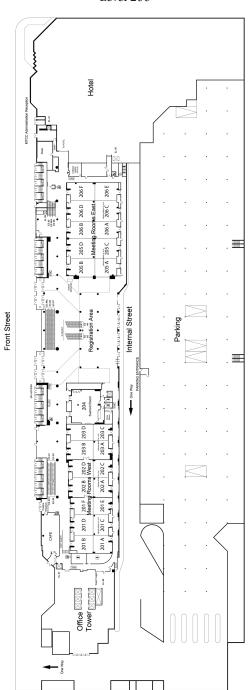








Level 200











Level 300 EXHIBIT HALL "C" EXHIBIT HALL "B" FRONT STREET TFHC.





THE AMERICAN ASSOCIATION FOR THORACIC SURGERY 94TH ANNUAL MEETING

Metro Toronto Convention Centre | Toronto, On, Canada Saturday, April 26 – Wednesday, April 30, 2014

SATURDAY, APRIL 26, 2014

Skills and Decision Making Courses

8:00 a.m. - Adult Cardiac Skills and Decision Making
5:00 P.m. Pearls and Pitfalls in Operative Technique
Constitution 106, Metro Toronto Convention Centre

Course Chair: *Tomislav Mihaljevic, Cleveland Clinic

8:00 a.m. Welcome and Introduction
*Tomislay Mihalievic, Cleveland Cl

 $\hbox{``Tomislav Mihaljevic, $\it Clevel and Clinic'$}$

8:10 a.m. Mitral Valve Repair in Barlow's Disease *Ottavio R. Alfieri, San Raffaele University

Hospital

8:30 a.m. Mitral Annular Calcification: Debride or

Respect?

*Tomislav Mihaljevic, Cleveland Clinic

8:50 a.m. Surgery for Endocarditis

*Carlos A. Mestres, University of Barcelona

9:10 a.m. Valve Sparing Aortic Root Replacement

*Gebrine El Khoury, Université Catholique de

Louvain (UCL)

9:30 a.m. Less-invasive Valve Surgery: Small Incision

vs. the Robot

Didier Loulmet, New York University

9:50 a.m. Sutureless Aortic Valve Replacement

*Guenther Laufer, Medical University of Vienna

10:10 a.m. BREAK

10:40 a.m. Complete Arterial Revascularization: Graft

Choices and Anastomotic Techniques

*Joseph F. Sabik, Cleveland Clinic











11:00 a.m. Atherosclerotic Ascending Aorta, Diffuse Coronary Disease: Techniques and **Management Algorithms** *Sary F. Aranki, Brigham & Women's Hospital 11:20 a.m. Beating Heart CABG: How To Do It Safely *John D. Puskas, Emory University 11:40 a.m. Less Invasive and Robotically-assisted CABG Johannes Bonatti, Cleveland Clinic Abu Dhabi SATURDAY SKILLS LUNCHEON 12:00 p.m. Exhibit Hall C, Metro Toronto Convention Centre "The Development of a Surgeon" *Delos M. Cosgrove, Cleveland Clinic Foundation 1:30 p.m. Mitral Repair in Heart Failure *Frederick Y. Chen, Brigham & Women's Hospital 1:50 p.m. Implantation of Contemporary Ventricular Assist Devices *Bartley P. Griffith, University of Maryland 2:10 p.m. Cath-lab Crashes and Postcardiotomy Failure: What to Do? When to Say No? When to Stop? *John V. Conte, Johns Hopkins University 2:30 p.m. Myectomy *Nicholas G. Smedira, Cleveland Clinic 2:50 p.m. Surgery for Thoracoabdominal Aneurysms: Here to Stay! *Joseph S. Coselli, Baylor College of Medicine **BREAK** 3:10 p.m. **Coronary Artery Disease** 3:40 p.m. Michael E. Halkos, Emory University 4:00 p.m. **Aortic Dissection** *Wilson Y. Szeto, University of Pennsylvania Valvular Heart Disease 4:20 p.m. *Donald D. Glower, Duke University Atrial Fibrillation 4:40 p.m. *Gorav Ailawadi, University of Virginia 5:00 p.m. **ADJOURN** 6:00 p.m. -ADULT SKILLS HANDS-ON SESSION *Taking place in room 104 at the Convention Center 8:00 p.m. (Pre-registration required)





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8:00 a.m. - Congenital Skills and Decision Making

5:00 p.m. Developing Technical Excellence

Constitution 105, Metro Toronto Convention Centre

Course Chair: *J. William Gaynor, Children's Hospital of

Philadelphia

Moderator: *J. William Gaynor, Children's Hospital of

Philadelphia

8:00 a.m. Welcome and Introduction

*J. William Gaynor, Children's Hospital of

Philadelphia

8:05 a.m. Classic Hemi-Fontan and Lateral Tunnel

Fontan

*Thomas L. Spray, Children's Hospital of

Philadelphia

8:25 a.m. Modified Hemi-Fontan and Lateral Tunnel

Fontan

*Richard Ohye, University of Michigan

8:45 a.m. DISCUSSION

8:55 a.m. Superior Cavopulmonary Connection and

Extra-cardiac Fontan Without CPB *V. Mohan Reddy, Stanford University

9:15 a.m. Computer Modeling to Optimize Fontan

Energetics

*Kirk R. Kanter. Emory University

9:30 a.m. DISCUSSION

9:40 a.m. BREAK

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Moderator: *James S. Tweddell, Medical College of Wisconsin

10:00 a.m. Anatomic Repair of Recurrent Aortic Arch

Obstruction

*E. Dean McKenzie, Texas Children's Hospital

10:20 a.m. Extra-anatomic Bypass for Recurrent Aortic

Arch Obstruction

*Kristine J. Guleserian, University of Texas

10:40 a.m. Trans-catheter Management of Recurrent

Aortic Arch Obstruction

Lee Benson, Hospital for the Sick Children

11:00 a.m. DISCUSSION

11:10 a.m. Repair of TOF with AVC

Sitaram Emani, Boston Children's Hospital





11:30 a.m. Valve Sparing Repair of TOF

*Constantine Mavroudis, Florida Hospital for Sick Children

11:50 a.m. DISCUSSION

12:00 p.m. SATURDAY SKILLS LUNCHEON

Exhibit Hall C, Metro Toronto Convention Centre

"The Development of a Surgeon" *Delos M. Cosgrove, Cleveland Clinic

Foundation

Moderator: *Richard Ohye, University of Michigan

1:30 p.m. The Norwood Procedure

*James S. Tweddell, Medical College of Wisconsin

1:50 p.m. Postoperative Management After the Norwood

*Jennifer C. Hirsch-Romano, University of Michigan

2:10 p.m. The Hybrid Stage 1

*Mark E. Galantowicz, Nationwide Children's

Hospital

2:30 p.m. Postoperative Management After the Hybrid

Stage 1

Steven Schwartz, Hospital for the Sick Children

2:50 p.m. DISCUSSION

3:15 p.m. BREAK

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Moderator: *V. Mohan Reddy, Stanford University

3:45 p.m. Aortic Valve Repair

Viktor Hraska, German Pediatric Heart Centre

4:05 p.m. DISCUSSION

4:10 p.m. Management of the Symptomatic Neonate

with TOF: Initial Palliation

4:30 p.m. Management of the Symptomatic Neonate

with TOF: Primary Repair

*Glen Van Arsdell, Hospital for Sick Children

Christian Brizard, Royal Children's Hospital

4:50 p.m. DISCUSSION

5:00 p.m. ADJOURN

6:00 p.m. - CONGENITAL SKILLS HANDS-ON SESSION

8:00 p.m. *Taking place in room 206 at the Convention

Center (Pre-registration required)







8:00 a.m. -General Thoracic Skills and Decision Making 5:00 p.m. Mastering Techniques and Decision Making Constitution 107, Metro Toronto Convention Centre

Course Chair: *Nasser K. Altorki, New York Hospital-Cornell Medical Center

Welcome and Introduction 8:00 a.m. *Nasser K. Altorki, New York Hospital-Cornell Medical Center

8:10 a.m. Navigational Bronchoscopy: From Diagnosis to Therapy *Jeffrey L. Port, Weill Cornell Medical College

8:30 a.m. Endoscopic Therapy of the Airway Moishe Liberman, Centre Hospital de l'Universite de Montreal

DISCUSSION

DISCUSSION 8:45 a.m. Endoscopic Therapy for Early Esophageal 8:50 a.m.

Cancer: EMR and ESD Lorenzo E. Ferri, Montreal General Hospital

DISCUSSION 9:10 a.m. Peroral Endoscopic Myotomy

> *Steven R. DeMeester, University of Southern California

DISCUSSION 9:25 a.m.

8:25 a.m.

9:05 a.m.

9:30 a.m. Transcervical Mediastinal Lymphadenectomy *Marcin Zielinski, Pulmonary Hospital

9:45 a.m. **DISCUSSION**

BREAK 9:50 a.m.

10:20 a.m. Minimally Invasive Sublobar Resections Rodney J. Landrenau, Ochsner Medical Center

10:35 a.m. **DISCUSSION**

10:40 a.m. Robotic-assisted Anatomical Lung Resection Benjamin Lee, Valley Health Systems

10:55 a.m. DISCUSSION









11:00 a.m. Techniques for Reconstruction of the Diaphragm and Pericardium
*David J. Sugarbaker, Brigham & Women's Hospital

11:15 a.m. DISCUSSION

11:20 a.m. Resection of Lung Cancer Invading the Mediastinum

*Philippe G. Dartevelle, Centre de Chirurg

*Philippe G. Dartevelle, Centre de Chirurgie Marie Lannelongue

11:35 a.m. DISCUSSION

11:40 a.m. Innovations in Airway Surgery: Tracheal Replacement and Beyond

*Paolo Macchiarini, Karolinska Institutet

11:55 a.m. DISCUSSION

12:00 p.m. SATURDAY SKILLS LUNCHEON

Exhibit Hall C, Metro Toronto Convention Centre

"The Development of a Surgeon"

*Delos M. Cosgrove, Cleveland Clinic Foundation

1:30 p.m. Laparoscopic Repair of Giant Hiatal Hernia

*Nasser K. Altorki, New York Hospital-Cornell

Medical Center

1:45 p.m. DISCUSSION

1:50 p.m. Reoperative Laparoscopy for Benign

Esophageal Disease

*Raphael Bueno, Brigham & Women's Hospital

2:05 p.m. DISCUSSION

2:10 p.m. Alternate Conduits for Esophageal

Reconstruction — The Supercharged

Jejunum

*Stephen G. Swisher, University of Texas

2:25 p.m. DISCUSSION

2:30 p.m. Tricks and Pitfalls of MIE

*James D. Luketich, University of Pittsburgh

2:45 p.m. DISCUSSION





2:50 p.m. Robotic-assisted Esophagectomy

*Kemp H. Kernstine, Universtiy of Texas

Southwestern

3:05 p.m. DISCUSSION

3:10 p.m. BREAK

3:40 p.m. Post-pneumonectomy Empyema: Are Eloesser

Flap and Clagget Window History?

*Walter Weder, University Hospital Zurich

3:50 p.m. DISCUSSION

3:55 p.m. Management of the Post-resectional Space

*Daniel L. Miller, Emory University

4:05 p.m. DISCUSSION

4:10 p.m. Prevention and Management of Intraoperative

Complications During Vats Lobectomy

*Robert J. McKenna, Cedars Sinai Medical

Center

4:20 p.m. DISCUSSION

4:25 p.m. Step by Step Management of Anastomotic

Leaks After Esophagectomy

*Richard J. Finley, University of British Columbia

4:35 p.m. DISCUSSION

4:40 p.m. Post-esophagectomy Airway Fistulas

*Sudish C. Murthy, Cleveland Clinic

4:50 p.m. DISCUSSION

5:00 p.m. ADJOURN

6:00 p.m. - EBUS HANDS-ON SESSION

8:00 p.m. *Taking place at the Toronto Medical Discovery

Tower, buses will leave from the Front Street

entrance of Convention Centre

(Pre-registration required)

ECLS HANDS-ON SESSION

*Taking place at the University of Toronto, buses will leave from the Front Street entrance of Convention Centre (Pre-registration required)









7:30 a.m. - Allied Health Personnel Symposium 5:00 p.m. Advancing the Practice of Patient Care in

Cardiothoracic Surgery

Room 203BD, Metro Toronto Convention Centre

Course Co-Chairs: *Stephen C. Yang, Johns Hopkins University

Katherine J. Hoercher, Cleveland Clinic



In Collaboration with the Association of Physician Assistants in Cardiovascular Surgery (APACVS)

7:30 a.m. Welcome and Opening Remarks

Advances in Patient Centered Care: Improving Outcomes

Moderator: Jonathan Sobel, North Shore LIJ Health System,

APACVS

7:40 a.m. Developing a Multidisciplinary Team Model

of Comparative Effectiveness Outcomes in

Cardiothoracic Surgery

*W. Randolph Chitwood, East Carolina University

8:00 a.m. The Expanding Role of the Nurse Practitioner

and Physician Assistant Across the Continuum of Care for the CTS Patient: Preoperative, Postoperative, and After

Discharge

Jane MacIver, Toronto General Hospital

8:20 a.m. Impact of Prolonged ICU Stay on In-hospital

Mortality, Long Term Survival, and Resource

Allocation

*Gorav Ailawadi, University of Virginia

8:40 a.m. Simulation As an Inter-professional

Educational Tool in Cardiothoracic Surgery

*Stephen C. Yang, Johns Hopkins University

9:00 a.m. BREAK

Advanced Techniques in CT Surgery: Percutaneous, Minimally Invasive, and Conventional Approaches

Moderator: David E. Lizotte, Rockingham Memorial

Hospital, APACVS

9:30 a.m. PCI vs. CABG: Long Term Outcomes in Real

World Patients vs. those in RCTs *Joseph F. Sabik, Cleveland Clinic

9:50 a.m. Mitral Valve Repair: Robotic, Percutaneous,

or "Old Fashioned Surgery"?

*Robert A. Dion, Ziekenhuis Oost-Limburg





10:10 a.m. TAVR vs. Surgical Repair

Fredrick L. Grover, University of Colorado

10:30 a.m. Outcomes of Endoscopic vs. Open Vein

Harvesting in CABG: Conduit Quality and

Early Graft Patency

Jonathan Sobel, North Shore LIJ Health System,

APACVS

10:50 a.m. Percutaneous Support Options for

Cardiogenic Shock

Cyril Serrick, Toronto General Hospital

11:10 a.m. Alternatives to Surgical Resection for Early

Stage Lung Cancer

*Neil Christie, Shadyside Hospital

11:30 a.m. Robotics for Thoracic Surgery: Indications

and Outcomes

Benjamin Lee, Valley Health Systems

12:00 p.m. SATURDAY SKILLS LUNCHEON

Exhibit Hall C, Metro Toronto Convention Centre

"The Development of a Surgeon"

*Delos M. Cosgrove, Cleveland Clinic

Foundation

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Advancing Intraoperative and Perioperative Skills in CT Surgery

Moderator: *Stephen C. Yang, Johns Hopkins University

1:30 p.m. Advances in Intraoperative Blood Conservation

Cyril Serrick, Toronto General Hospital

1:45 p.m. Management of Pacing Wires After Cardiac

Surgery

David E. Lizotte, Rockingham Memorial

Hospital, APACVS

2:00 p.m. Management of Chest Tubes and Air Leaks

Emily Kluck, Johns Hopkins University, APACVS

2:15 p.m. Management of the Postpneumonectomy

Patient

Emily Kluck, Johns Hopkins University, APACVS

2:30 p.m. Accelerated Recovery Protocol: Who, When,

How?

Shannon Pengel, Cleveland Clinic

2:45 p.m. Post Operative Glucose Control

Shannon Pengel, Cleveland Clinic Myra Cook, Cleveland Clinic





and Management

*Stephen C. Yang, Johns Hopkins University

3:15 p.m. BREAK

Advanced Surgical Management of Heart Failure

Moderator: Katherine Hoercher, Cleveland Clinic

3:45 p.m. Point/Counterpoint: Definitive Therapy for

Advanced Heart Failure in 2014

Why LVAD Should Now Be the First Choice

for Permanent Replacement

Scott C. Silvestry, Washington University

Heart Transplant Is Still the Best Option and

Should Be the First Choice

Edward G. Soltesz, Cleveland Clinic

Rebuttal and Discussion

4:20 p.m. Intraoperative and Immediate Postoperative

Management of the LVAD PatientJane MacIver, *Toronto General Hospital*

4:40 p.m. Incidence, Risk Factors, and Management of

LVAD Thrombus

*Daniel Goldstein, Montefiore Medical Center

5:00 p.m. ADJOURN

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8:00 a.m. - Cardiothoracic Transplant and Mechanical

5:05 p.m. Circulatory Support of Heart and Lung

Failur

Mastery of the Management of End-stage Heart

and Lung Failure

Room 205, Metro Toronto Convention Centre

Course Chair: *R. Duane Davis, Duke University

8:00 a.m. Introduction

*R. Duane Davis, Duke University

8:10 a.m. Technology 101: Review of Current

Technologies, Types of Flow, Pump

Parameters

*Francis D. Pagani, University of Michigan

8:30 a.m. Lessons from Intermacs – What Are the

Outcomes and Where Should We Focus

Our Energies?

*James K. Kirklin, University of Alabama at

Birmingham





8:45 a.m. Patient Assessment — When Is the Patient
"Sick Enough" to Implant MCS? RV
Assessment and Prediction, End-organ
Assessment, Timing of Implantation

*Hermann Reichenspurner, University Hospital
Eppendorf

9:00 a.m. Implantation 101: Overview of the Most Crucial Surgical Considerations: Inflow Cannula/Pump Placement, Driveline, etc.

*Nader Moazami, Cleveland Clinic

9:20 a.m. Matching Pumps to Patients: Considerations for Device Type, Type of Flow Based Upon Patient Factors

*Mark S. Slaughter, University of Louisville

9:35 a.m. BREAK

VADs Gone Bad - Managing the Complications

10:00 a.m. Infection, Hemolysis, Clotting and Bleeding, and Aortic Insufficiency

*Carmelo A. Milano, Duke University

10:20 a.m. What to Do When the RV Fails – Existing and Emerging Strategies to Assist the Right Ventricle

*Vivek Rao, Toronto General Hospital

10:35 a.m. What's Coming: New Device and Technologies Coming to You — Percutaneous VAD Support, Applications and Limitations and the New Toys

Scott C. Silvestry, Washington University/

Barnes Jewish Hospital

10:50 a.m. MCS for Congenital Cardiac Disease in Children and Adult

*David L. Morales, Cincinnati Children's Hospital

11:10 a.m. Finance 101: What Do You Need to Know to Build and Run a Successful MCS
Program? — Team Composition, Clinic Structure, Focused Medical Management (BP, Rhythms, etc.), Rehab
*Michael A. Acker, University of Pennsylvania

11:30 a.m. Transplant for Patients with Congenital Heart Disease; Strategies and Techniques
*Jonathan M. Chen, Seattle Children's Hospital









11:45 a.m. Cardiac Transplant for LVAD Bridged Patients: Strategies, Techniques and Outcomes

*Vallywan Jeevanandam, University of Chic

*Valluvan Jeevanandam, University of Chicago

12:00 p.m. SATURDAY SKILLS LUNCHEON

Exhibit Hall C, Metro Toronto Convention Centre

"The Development of a Surgeon"

*Delos M. Cosgrove, Cleveland Clinic Foundation

Lung Transplantation and ECMO

1:30 p.m. Introduction

*R. Duane Davis, Duke University

1:40 p.m. In the Modern Era of LAS, Who Is an Acceptable Recipient?— Update on Listing Guidelines

Lianne Singer, University of Toronto

2:00 p.m. Who to Bridge, How to Bridge to Transplant?
Ambulatory ECMO vs. Vent vs. Just Say
No — Patient Selection, Technical Aspects
of Cannulation, How to Organize the Team
and the Service

*Marc De Perrot, Toronto General Hospital

2:20 p.m. What's a Usable Donor? Steps to Achieve the Highest Transplant Rate

Matthew Hartwig, Duke University

2:40 p.m. Resuscitating the Unusable Lung – EVLP and Other Strategies

*Shaf Keshavjee, Toronto General Hospital

3:00 p.m. How to Do a Lung Transplant — Technical Pearls — Make It Easy, Reproducible and Improve Outcome

*John H. Dark, The Freeman Hospital

Panel Discussion:

*Shaf Keshavjee, *Toronto General Hospital* *R. Duane Davis, *Duke University* *Kenneth R. McCurry, *Cleveland Clinic*

3:30 p.m. BREAK

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3:50 p.m. How to Prevent PGD–Lessons Learned from LTOG

*Ashish S. Shah, Johns Hopkins University

Charles Hoopes, University of Kentucky

4:05 p.m. ECMO As a Bridge to Recovery – Setting up an ECMO Program

*AATS Member



4:20 p.m. Post Operative Management: What's New, What's Old, What's Good

*Michael S. Mulligan, University of Washington

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4:35 p.m. Tricks Needed to Build a Large Transplant
Program – How to Do More Than a Hundred

*Kenneth R. McCurry, Cleveland Clinic

4:50 p.m. What You Need to Know to Build and Run a Lung Transplant and ECMO Program

*R. Duane Davis, Duke University

5:05 p.m. ADJOURN

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8:00 a.m. - ETHICS FORUM: SURGICAL ETHICS

4:30 p.m. COURSE

Room 202BD, Metro Toronto Convention Centre

Course Chair: *Martin F. McKneally, University of Toronto

8:00 a.m. Introduction

8:30 a.m. Consent: Was that Consent Informed?, Was that Consent Voluntary?, Does Pre-op Consent Include Life-sustaining Treatment?

PANEL DISCUSSION

9:30 a.m. End-of-life Issues: Who Decides When Treatment Is Futile?, Donation After Cardiac Death, Destination Therapy/LVAD

PANEL DISCUSSION

10:30 a.m. BREAK

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11:00 a.m. Surgical Competence: Resident Readiness to Operate, Competence in New Technologies, Managing Declining Competence of Surgeons

PANEL DISCUSSION

12:00 p.m. SATURDAY SKILLS LUNCHEON

Exhibit Hall C, Metro Toronto Convention Centre

"The Development of a Surgeon"
*Delos M. Cosgrove, Cleveland Clinic
Foundation

1:30 p.m. Communication: Social Media, Telemedicine, Explaining Mistakes to Patients

PANEL DISCUSSION





2:30 p.m. Conflict of Interest: Device Reps in the Operating Room, Gifts/Grants from Companies, Non-Financial Conflicts

PANEL DISCUSSION

3:30 p.m. Innovation and Research: When does Innovation become Research?, Professional Oversight of Surgical Innovation, Future of Surgical Ethics

PANEL DISCUSSION

4:30 p.m. ADJOURN

(lacktriangle)

SUNDAY, APRIL 27, 2014

POSTGRADUATE SYMPOSIA

7:30 a.m. - AATS/STS Adult Cardiac Surgery Symposium

3:30 p.m. Becoming a Master Valve Surgeon

Exhibit Hall C, Metro Toronto Convention Centre

Course Chair: *David H. Adams, Mount Sinai Medical Center

Pathophysiology, Anatomy, and Surgical Triggers

Moderators: *David H. Adams, Mount Sinai Medical Center

*Craig R. Smith, Columbia University

7:30 a.m. Pathophysiology of Aortic Valve Disease

Blase A. Carabello, Baylor College of Medicine

7:40 a.m. Surgical Classification of Aortic Valve

Disease

*Joseph S. Coselli, Texas Heart Institute

7:50 a.m. Surgical Triggers in Aortic Valve Disease

*Marc R. Moon, Washington University

8:00 a.m. DISCUSSION

8:12 a.m. Pathophysiology of Mitral Valve

Regurgitation

*Hartzell V. Schaff, Mayo Clinic

8:22 a.m. Surgical Classification of Mitral Valve Disease

*W. Randolph Chitwood, East Carolina University

8:32 a.m. Surgical Triggers in Mitral Valve Disease

Patrick T. O'Gara, Brigham & Women's Hospital

8:42 a.m. DISCUSSION



Expert Approaches in Valve Surgery I

Moderators: *David H. Adams, Mount Sinai Medical Center

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*Lawrence H. Cohn, Brigham & Women's

Hospital

Why and How: Limited Access Aortic Valve 8:55 a.m.

and Root Approaches

*Allan S. Stewart, Mount Sinai Medical Center

9:05 a.m. Why and How: Mini-thoracotomy and

Robotic Mitral Valve Approaches

*Tomislav Mihaljevic, Cleveland Clinic

9:15 a.m. Why and How: Sternal Approaches in Mitral

Valve Disease

*Patrick M. McCarthy, Northwestern University

9:25 a.m. DISCUSSION

9:45 a.m. **BREAK**

Expert Approaches in Valve Surgery II

Moderators: *David H. Adams, Mount Sinai Medical Center

*Tirone E. David, Toronto General Hospital

10:10 a.m. Mitral Valve Neochordoplasty/Loop Technique

*Volkmar Falk, University of Zurich, EACTS

10:20 a.m. Mitral Valve Limited Resection Techniques

*Rakesh M. Suri, Mayo Clinic

10:30 a.m. Mitral Valve Resection and Sliding Leaflet

Techniques

*Gilles D. Dreyfus, Cardiothoracic Centre of

Monaco, EACTS

10:40 a.m. DISCUSSION

10:50 a.m. Valve Sparring Root Replacement:

Reimplantation

*D. Craig Miller, Stanford University

11:00 a.m. Valve Sparring Root Replacement:

Remodelling

Emmanuel Lansac, Institut Mutualiste

Montsouris, EACTS

Repair of Aortic Leaflet Prolapse 11:10 a.m.

*Gebrine El Khoury, Université Catholique de

Louvain, EACTS

DISCUSSION 11:20 a.m.

11:30 a.m. Surgical Strategies in HOCM

*Friedrich W. Mohr, Universitaet Leipzig, EACTS





11:40 a.m. Surgical Strategies in Post-operative SAM

*Vinay Badhwar, University of Pittsburgh

11:50 a.m. DISCUSSION

12:00 p.m. LEGENDS LUNCHEON

Moderators: *Alain F. Carpentier, Hôpital Européen Georges-

Pompidou

*David H. Adams, Mount Sinai Medical Center Randolph P. Martin, Piedmont Heart Institute

Expert Approaches in Valve Surgery III

Moderators: *David H. Adams, Mount Sinai Medical Center

*Robert A. Dion, Ziekenhuis Oost-Limburg/

Cardiac Surgery, EACTS

1:00 p.m. When and How to Do a Concomitant

Tricuspid Valve Repair

*Steven F. Bolling, University of Michigan

1:10 p.m. Modern Maze Strategies

*Ralph J. Damiano, Jr., Washington University

1:20 p.m. When and How to Close the Left Atrial

Appendage

*A. Marc Gillinov, Cleveland Clinic

1:30 p.m. DISCUSSION

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1:45 p.m. New Evidence to Guide the Surgical

Correction of Ischemic Mitral Valve

Regurgitation

*Irving L. Kron, University of Virginia

1:55 p.m. Subannular Repair Techniques in Ischemic

Mitral Valve Regurgitation

Khalil Fattouch, Maria Eleonora Hospital

2:05 p.m. DISCUSSION

Expert Approaches in Valve Surgery IV

Moderators: *David H. Adams, Mount Sinai Medical Center

*Bruce W. Lytle, Cleveland Clinic

2:15 p.m. Aortic Valve Reoperations Following

Previous Root Replacement

*Thoralf M. Sundt, III, Massachusetts General

Hospital

2:25 p.m. Surgical Strategies in Aortic Root Endocarditis

*Joseph E. Bavaria, University of Pennsylvania

2:35 p.m. DISCUSSION





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"New" Correction (Non-resection)

*Michael A. Borger, University of Leipzig, EACTS

2:55 p.m. Degenerative Mitral Valve Disease: Defending

the French Correction

*Anelechi C. Anyanwu, Mount Sinai Medical

Center

3:05 p.m. DISCUSSION

3:15 p.m. BREAK

3:30 p.m. AATS/STS Combined Adult – Congenital

Cardiac Valve Symposium (Program begins on page XX)

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8:00 a.m. - AATS/STS Congenital Heart Disease

3:30 p.m. Symposium

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Issues Beyond the Textbook

Constitution 105, Metro Toronto Convention Centre

Course Chair: *Ivan M. Rebeyka, University of Alberta

Moderators: *Ivan M. Rebeyka, University of Alberta

*Thomas L. Spray, Children's Hospital of

Philadelphia

8:00 a.m. Welcome and Introduction

*Ivan M. Rebeyka, University of Alberta

8:10 a.m. Management of the Failing Fontan

Asif Hasan, Freeman Hospital

8:30 a.m. Mechanic Circulatory Support in

Univentricular Hearts

Holger Buchholz, University of Alberta

8:50 a.m. Transplantation in the Fontan Patient

*Max B. Mitchell, The Children's Hospital

9:10 a.m. Checklists and Safety in Pediatric Cardiac

Surgery

*Thomas J. Yeh, Tulane University

9:30 a.m. DISCUSSION

10:00 a.m. BREAK

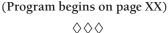
10:20 a.m. The Evolution of Surgery for L-TGA

*Michel N. Ilbawi, Hope Children's Hospital





10:40 a.m. Root Translocation for CC-TGA and Other Lesions *Jose Pedro Da Silva, Beneficencia Portuguesa Hospital 11:00 a.m. LV Retraining – Theory and Practice *Richard Ohye, University of Michigan Restrictive RV Physiology - Diagnosis and 11:20 a.m. Management Andrew Redington, The Hospital for Sick Children 11:40 a.m. **DISCUSSION LEGENDS LUNCHEON** 12:00 p.m. **Moderators:** *Aldo R. Castaneda, UNICAR - Fundacion Aldo Castaneda *Ivan M. Rebeyka, University of Alberta *Richard A. Jonas, Children's National Medical Center AAOCA – Which Operation and When 1:10 p.m. *Frank L. Hanley, Stanford University 1:30 p.m. Resynchronization and Pacing in CHD Peter P. Karpawich, Children's Hospital of Michigan Tracheo-bronchial Issues in CHD 1:50 p.m. Michael J. Rutter, Cincinnati Children's Hospital Hybrid Catheter Procedures in HLHS & 2:10 p.m. Non-HLHS Lesions John P. Cheatham, Nationwide Children's Hospital 2:30 p.m. Use of 3D Echo in Pediatric Cardiac Surgery Jeffrey Smallhorn, Stollery Children's Hospital 2:50 p.m. **DISCUSSION** 3:15 p.m. **BREAK** AATS/STS Combined Adult -3:30 p.m.



Congenital Cardiac Valve Symposium

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3:30 p.m. - AATS/STS Combined Adult – Congenital

5:30 p.m. Cardiac Valve Symposium

Becoming a Master Valve Surgeon

Exhibit Hall C, Metro Toronto Convention Centre

Course Co-chairs: *David H. Adams, Mount Sinai Medical

Center

*Pedro J. del Nido, Children's Hospital

Boston

3:30 p.m. Aortic Valve Replacements Options in Young

Adults

*Thomas L. Spray, Children's Hospital of

Philadelphia

3:40 p.m. Pulmonary Valve Replacement Strategies

*Emile A. Bacha, Children's Hospital of

New York

3:50 p.m. Ebstein's Repair in the Adult Patient

*Joseph A. Dearani, Mayo Clinic

4:00 p.m. DISCUSSION

4:10 p.m. Rheumatic Mitral Valve Repair Strategies

Taweesak Chotivatanapong, Chest Disease

Institute

4:20 p.m. Patch Augmentation in Valve Reconstruction

*David H. Adams, Mount Sinai Medical Center

4:30 p.m. Surgical Strategies in Adult Congenital

Mitral Valve Disease

*Pedro J. del Nido, Children's Hospital Boston

4:40 p.m. DISCUSSION

4:50 p.m. Root Surgery in Marfan's Disease

*Duke E. Cameron, Johns Hopkins University

5:00 p.m. When to Replace the Aorta at the Time of

Aortic Valve Surgery

*Lars G. Svensson, Cleveland Clinic

5:10 p.m. Surgical Repair of the Bicuspid Aortic Valve

*Hans-Joachim Schaefers, University Hospital,

EACTS

5:20 p.m. DISCUSSION

5:30 p.m. ADJOURN TO WELCOME RECEPTION IN

EXHIBIT HALL











7:30 a.m. - AATS/STS General Thoracic Surgery

5:30 p.m. Symposium

Becoming a Master Thoracic Surgeon

Constitution 107, Metro Toronto Convention Centre

Course Chair: *Scott J. Swanson, Brigham & Women's Hospital

Lung Cancer - Surgical Considerations

Moderators: *Scott J. Swanson, Brigham & Women's Hospital

*David R. Jones, Memorial Sloan-Kettering

Cancer Center

7:30 a.m. SBRT

*Yolonda L. Colson, Brigham & Womens Hospital

7:40 a.m. Wedge Resection Plus Brachytherapy

*Subroto Paul, Weill Cornell Medical College

7:50 a.m. Small Tumors – How to Resect Better and

Faster, the Role of Sealants and Energy

Devices

*Traves D. Crabtree, Washington University

8:00 a.m. Video: VATS Basilar Segmentectomy

*Scott J. Swanson, Brigham & Women's Hospital

8:10 a.m. DISCUSSION

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8:20 a.m. Lung Cancer Invading Spine – Resect

En Bloc or 2 Stages?

*Garrett L. Walsh, Anderson Cancer Center

8:30 a.m. Lung Cancer Invading Aorta – Is Surgery

Useful and If So How?

Patrick Bagan, CH Victor Dupouy

8:40 a.m. Carinal Resection – Do Long Term Results

Justify Resection; Best Way to Avoid

Complications

*Erino Angelo Rendina, Universita La Sapienza,

ESTS

8:50 a.m. Video: VATS Chest Wall Resection and

Reconstruction

*Todd L. Demmy, Roswell Park Cancer Institute

9:00 a.m. The Large Resection Gets Complicated

(ARDS, BPF) - Can ECMO Salvage This?

*R. Duane Davis, Duke University

9:10 a.m. DISCUSSION

9:20 a.m. Molecular Biology – What a Surgeon Needs

to Know

*David H. Harpole, Duke University



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Clinical Trials?

Dennis Wigle, Mayo Clinic

9:45 a.m. COFFEE BREAK

9:30 a.m.

Esophageal Cancer - Best Outcomes Pro- Con Session

Moderators: *Scott J. Swanson, Brigham & Women's Hospital

Moving Forward, Where Are We with

*Malcolm M. DeCamp, Northwestern Memorial

Hospital

10:05 a.m. Debate: Minimally Invasive Resection: The

New Standard of Care?

Pro: *James D. Luketich, *University of*

Pittsburgh

Con: *Antoon E. Lerut, University Hospital

Leuven, ESTS

10:25 a.m. Debate: Transhiatal Esophagectomy:

Dead or Alive

Dead: *Bryan F. Meyers, Washington

University

Alive: *Mark D. Iannettoni, University of Iowa

10:45 a.m. Debate: Robotic Esophagectomy Adds

No Value

Pro: *Mark B. Orringer, *University of Michigan*

Con: *Robert J. Cerfolio, *University of*

Alabama at Birmingham

11:05 a.m. Debate: The Neck Is the Best Location for an

Anastomosis

Pro: *Claude Deschamps, Mayo Clinic

Con: *Walter J. Scott, Fox Chase Cancer

Center

11:25 a.m. Video: MIE Ivor Lewis

*Gail E. Darling, Toronto General Hospital

11:35 a.m. DISCUSSION

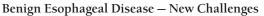
12:00 p.m. LEGENDS LUNCHEON

Moderators: *F. Griffith Pearson, Toronto General Hospital

*G. Alec Patterson, Washington University







Moderators: *Scott J. Swanson, Brigham & Women's Hospital

*Jay M. Lee, David Geffen School of Medicine at

UCLA

1:00 p.m. Tailored Antireflux Surgery – A Thoughtful

Approach

*Raphael Bueno, Brigham & Women's Hospital

1:10 p.m. Transoral Fundoplication, Linx and Other

Technologies – Best Bet for the Future?

Jon O. Wee, Brigham & Women's Hospital

1:20 p.m. Esophagectomy for Benign Disease – When

and How

Robert Shen, Mayo Clinic

1:30 p.m. When to Stent the Esophagus

*Richard K. Freeman, St. Vincent Hospital

1:40 p.m. How to Treat a Stomach That Does Not

Empty

Thomas J. Watson, University of Rochester

1:50 p.m. Debate: There Is No Longer A Role for Collis

Extension in the Treatment of Giant

Para-esophageal Hernia

Pro: Ross M. Bremner, St. Joseph's Hospital

(lacktriangle)

Con: *Matthew J. Schuchert, *University of*

Pittsburgh

2:10 p.m. DISCUSSION

Plenary Debates

Moderators: *Scott J. Swanson, Brigham & Women's Hospital

*Joel D. Cooper, Hospital of the University of

Pennsylvania

2:20 p.m. Pulmonary Metastatectomy Has No Role in

Therapy

Pro: *Mark K. Ferguson, *University of*

Chicago

Con: *Michael T. Jaklitsch, Brigham &

Womens Hospital

2:45 p.m. Surgery Has No Role in Stage IIIa Non Small

Cell Lung Cancer

Pro: *Valerie W. Rusch, *Memorial*

Sloan-Kettering Cancer Center

Con: *Thomas A. D'Amico, Duke University

3:10 p.m. COFFEE BREAK



Advanced Lung Disease and Other Difficult Clinical Problems — Reasons for Optimism

Moderators: *Scott J. Swanson, Brigham & Women's Hospital *Gaetano Rocco, NCI, Pascale Foundation, ESTS

3:30 p.m. Lung Volume Reduction Surgery — Where Are We Now

*Stephen R. Hazelrigg, Southern Illinois University

3:40 p.m. Bronchoscopic LVRS and Valves — Current Data and State of the Art

*Federico Venuta, University of Rome, ESTS

3:50 p.m. Ex Vivo Lung Perfusion Extending the Reach of Lung Transplantation

*Shaf Keshavjee, Toronto General Hospital

4:00 p.m. Diaphragm Pacing – A New Treatment for ALS

Christopher T. Ducko, Brigham and Women's Hospital

DISCUSSION

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4:10 p.m.

Mastering Minimally Invasive Surgery

Moderators: *Scott J. Swanson, Brigham & Women's Hospital

*Michael J. Liptay, Rush University

4:20 p.m. VATS 1st Rib Resection

*Robert J. McKenna, Cedars Sinai Medical Center

4:30 p.m. Robotic Sleeve Resection

*Bernard J. Park, Hackensack University

4:40 p.m. Single Port VATS Lobectomy

Diego Gonzalez-Rivas, Coruna Hospital, ESTS

4:50 p.m. Robotic Thymectomy

Alexander S. Farivar, Swedish Medical Center

5:00 p.m. Laparoscopic Diaphragmatic Plication

*Rafael S. Andrade, University of Minnesota

5:10 p.m. Laparoscopic Nissen Fundoplication

*Philip A. Linden, University Hospitals

5:20 p.m. DISCUSSION

5:30 p.m. ADJOURN TO WELCOME RECEPTION IN

EXHIBIT HALL









8:00 a.m. - AATS/STS Cardiothoracic Critical Care

5:30 p.m. Symposium

Respiratory Failure

Room 203BD, Metro Toronto Convention Centre

Course Co-Chairs: *Michael S. Mulligan, University of

Washington

*Nevin M. Katz, Johns Hopkins University



In Collaboration with the Association of Physician Assistants in Cardiovascular Surgery (APACVS)

8:00 a.m. Welcome and Opening Remarks

*Michael S. Mulligan, University of Washington

8:10 a.m. Post-pneumonectomy Pulmonary Edema

*James S. Allan, Massachusetts General Hospital

8:30 a.m. ICU Management of Airway Complications

Dean M. Donahue, Massachusetts General

Hospital

8:50 a.m. Lung Transplantation of the Severely Ill

*Michael S. Mulligan, University of Washington

9:10 a.m. Understanding Advanced Ventilator Modes:

Principles and Indications

Aaron Cheng, University of Washington

9:30 a.m. ECLS for Respiratory Failure

*Joseph B. Zwischenberger, University of

Kentucky

9:50 a.m. Evidence-based Management of Hypoxic

Respiratory Failure: Lessons from the

CESAR Trial and Expert Centers

*Jonathan W. Haft, University of Michigan

10:10 a.m. BREAK

(lacktriangle)

10:30 a.m. Prevention of Ventilator Associated

Pneumonia

Dennis G. Maki, University of Wisconsin

10:50 a.m. Role for & Techniques of Early

Tracheostomy

*Daniel L. Miller, Emory University

11:10 a.m. Refractory Pneumonia: Timing and

Indications for Surgery

Thomas K. Varghese, University of Washington

11:30 a.m. Recognizing Futility in the Management of

Respiratory Failure

Mark R. Tonelli, University of Washington



12:00 p.m. LEGENDS LUNCHEON

Choose from Three Featured Speakers:

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*Alain F. Carpentier, Hôpital Européen Georges-Pompidou

Exhibit Hall C, Metro Toronto Convention Centre

*Aldo R. Castaneda, UNICAR – Fundacion Aldo Castaneda

Constitution 105, Metro Toronto Convention Centre

*F. Griffith Pearson, Toronto General Hospital Constitution 107, Metro Toronto Convention Centre

1:00 p.m. Debate: Physiologic Anemia Is Appropriate in Patients with Respiratory Failure

Pro: *Glenn J. Whitman, John Hopkins

Hospital

Con: William Lynch, University of Michigan

2:00 p.m. Fluid Management in the Patient with

Respiratory Failure

Eric Seeley, University of California

2:20 p.m. Protocols for Early Extubation

*Nevin M. Katz, Johns Hopkins University

2:40 p.m. Strategies for Safe Transport of the Patient

in Critical Respiratory Failure

William Lynch, University of Michigan

3:00 p.m. BREAK

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3:30 p.m. Challenging Case Scenarios and Abstracts

8 minute presentation, 12 minute discussion

Moderators: *Michael S. Mulligan

*Nevin M. Katz

C1. Prediction of Postoperative Breathlessness

and Chronic Respiratory Failure: Significance of Lung Structural Assessment with

Quantitative Computed Tomography Junichi Murakami, Yamaguchi University Graduate, Ube, Yamaguchi, Japan

Invited Discussant: *Malcolm M. DeCamp, Jr.

C2. Extubating in the Operating Room

Following Adult Cardiac Surgery Safely Improves Outcomes and Lowers Costs

*Vinay Badhwar, University of Pittsburgh,

Pittsburgh, PA

Invited Discussant: *Glenn J. Whitman



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C3. Impact of the Amount of Intraoperative Fluid Administration on Postoperative Pulmonary Morbidity Following Anatomic Lung Resections: The Lesser the Better *Hasan F. Batirel, Marmara University, Istanbul, Turkey

Invited Discussant: Eric Seeley

C4. Comparison of Extracorporeal Membrane
Oxygenation vs. Cardiopulmonary Bypass
for Lung Transplantation
Mauer Biscotti, III, Columbia University,
New York, NY

Invited Discussant: TBD

C5. A New Hybrid Technique for Performing
Tracheostomy in the Super Obese Patient
*Joseph Friedberg, University of Pennsylvania,
Philadelphia, PA

Invited Discussant: *Daniel L. Miller

C6. Experience of Extracorporeal
Membrane Oxygenation in Critical
Pulmonaryhypertension
Jun-Neng Roan, National Cheng Kung University
Hospital, Tainan, Taiwan

Invited Discussant: TBD

5:30 p.m. ADJOURN TO WELCOME RECEPTION IN EXHIBIT HALL

ALLIED HEALTH POSTER COMPETITION RESIDENT POSTER COMPETITION

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AATS LEARNING CENTER OPENS





Monday, April 28, 2014

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7:20 a.m. Business Session (AATS Members Only)
Exhibit Hall C, Metro Toronto Convention Centre

7:30 a.m. PLENARY SCIENTIFIC SESSION

Exhibit Hall C, Metro Toronto Convention Centre 8 minute presentation, 12 minute discussion

Moderators: * David J. Sugarbaker * Marc R. Moon

- Surgical Revascularization Techniques That Improve Early and Late Results of CABG in Diabetics Sajjad Raza, Cleveland Clinic, Cleveland, OH Invited Discussant: *John G. Byrne
- 2. Attendings' Performing Simultaneous Operations in Academic Cardiothoracic Surgery Does Not Increase Operative Duration or Negatively Affect Patient Outcomes

 Kenan W. Yount, University of Virginia, Charlottesville, VA
- 3. NASA "Threat and Error Model" Applied to Pediatric Cardiac Surgery: Error Cycles Precede ~85% of Patient Deaths
 Edward Hickey, The Hospital for Sick Children, Toronto, ON, Canada

Invited Discussant: *Martin J. Elliott

Invited Discussant: *James D. Luketich

4. Transcatheter Mitral Valve-in-valve/Valve-in-ring Implantations for Degenerative Post Surgical Valves: Results from the Global Valve-in-valve Registry Danny Dvir, St. Paul's Hospital, Vancouver, BC, Canada Invited Discussant: *Joseph E. Bavaria

8:50 a.m. AWARD PRESENTATIONS

9:05 a.m. INTERMISSION – VISIT EXHIBITS/ COFFEE BREAK

9:45 a.m. BASIC SCIENCE LECTURE
"Organize Your Mind in the Operating Room"
Margaret Moore, CEO, Wellcoaches Corporation

10:25 a.m. PLENARY SCIENTIFIC SESSION

Moderators: *Pedro J. del Nido

* Marc R. Moon







Invited Discussant: *Steven R. Demeester

6. A Quarter of a Century of Experience with Aortic Valve Sparing Operations

*Tirone E. David, *General Hospital*, *Toronto*, *ON*, *Canada Invited Discussant:* *Hans-Joachim Schaefers

11:05 NEW MEMBER INDUCTION

11:25 a.m. PRESIDENTIAL ADDRESS

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Introduced By: *Pedro J. del Nido

"Clarity of Purpose and Focused Attention:

The Essence of Excellence"

*David J. Sugarbaker

12:15 p.m. ADJOURN FOR LUNCH – VISIT EXHIBITS

CT RESIDENTS LUNCHEON - See Page XX

ETHICS LUNCHEON FORUM

(Separate registration required) — See Page XX "Can a Physician Ever Justifiably Euthanize a Severely Disabled Newborn?"

Moderator:*Robert M. SadePro:Udo SchüklenkCon:Gilbert Meilaender

Monday Afternoon, April 28, 2014

SIMULTANEOUS SCIENTIFIC SESSIONS

2:00 p.m. ADULT CARDIAC SURGERY SIMULTANEOUS SCIENTIFIC SESSION

Exhibit Hall C, Metro Toronto Convention Centre 8 minute presentation, 12 minute discussion

Moderators: *Y. Joseph Woo

*Leonard N. Girardi

7. Comparative Long-term Results of Mitral Valve Repair in Adults with Chronic Rheumatic Disease and Degenerative Disease: Is Repair in "Burnt-out" Rheumatics Still Inferior to Degeneratives in the Current Era?

Jeswant Dillon, National Heart Institute, Kuala Lumpur, Malaysia

Invited Discussant: *Gillies D. Dreyfus

*AATS Member



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 Residual and Recurrent Gradients Following Septal Myectomy for Hypertrophic Cardiomyopathy – Mechanisms of Obstruction and Outcomes of Reoperation

Eduard Quintana, Clinic, Rochester, MN

Invited Discussant: *Nicholas G. Smedira

9. Humanized Pigs and Target Specific
Immunomodulation Provide Significant
Graft Survival and Hope for Clinical Cardiac
Xenotransplantation

Muhammad Mohiuddin, NHLBI/NIH, Bethesda, MD

Invited Discussant: *Joren Madsen

3:00 p.m. COFFEE BREAK/VISIT EXHIBITS

3:35 p.m.

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10. Impact of Experience and the Surgical Learning Curve on Long-term Patient Outcomes in Cardiac Surgery: Implications for Training in the Current Era of Cardiac Surgery

Andrew El Bardissi, Stanford University, Stanford, CA

Invited Discussant: *James I. Fann

 Right Internal Mammary Artery vs. Radial Artery as Second Arterial Conduit in Coronary Artery Bypass Grafting: A 10-Year Follow-up Propensity Score Adjusted Analysis of 1526 Patients Shahzad G. Raja, Harefield Hospital, London, United

Snanzad G. Raja, Harejiela Hospital, London, Onttea Kingdom

Invited Discussant: Philip A. Hayward

12. Total Arterial Grafting in Triple Vessel Coronary Artery Disease Is Associated with Improved Long-term Survival

*Brian F. Buxton, Epworth Hospital, Melbourne, Australia

Invited Discussant: *Joseph F. Sabik, III

13. Impact of Joint European Guidelines on Myocardial Revascularization on Heart Team Discussion of Patients with Severe Coronary Artery Disease in the United Kingdom — A Multi-centre Study Martin T. Yates, St. George's Hospital, London, United Kingdom

Invited Discussant: *Robert A. Guyton

5:00 p.m. ADJOURN



2:00 p.m. CONGENITAL HEART DISEASE SIMULTANEOUS SCIENTIFIC SESSION

Constitution 105, Metro Toronto Convention Centre 8 minute presentation, 12 minute discussion

Moderators: *Carl L. Backer

* Jennifer C. Hirsch-Romano

14. The Modern Fontan Operation Shows No Increase in Late Mortality Risk out to 20 Years: A New Paradigm

Robert J. Dabal, University of Alabama at Birmingham, Birmingham, AL

Invited Discussant: *Harold M. Burkhart

15. Stage 1 Hybrid Palliation for HLHS – Assessment of Contemporary Patterns of Use: An Analysis of the Society of Thoracic Surgeons Congenital Heart Surgery Database

Tara Karamlou, Benioff Children's Hospital, UCSF, San Francisco, CA

Invited Discussant: *Carl L. Backer

16. Aspirin Unresponsiveness Predicts Thrombosis in Pediatric Patients Following High Risk Cardiac Surgery

Sirisha Emani, Boston Children's Hospital, Boston, MA Invited Discussant: *Jennifer C. Hirsch-Romano

17. Mechanisms of Tricuspid Regurgitation in Patients with Hypoplastic Left Heart Syndrome Undergoing Tricuspid Valvuloplasty

Victor Bautista-Hernandez, Boston Children's Hospital, Boston, MA

Invited Discussant: *Richard G. Ohye

3:20 p.m. COFFEE BREAK/VISIT EXHIBITS

3:55 p.m.

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18. Validation of Association of the Apo-lipoprotein E (APOE) ε2 Allele with Neurodevelopmental Dysfunction After Cardiac Surgery in Neonates and Infants

*J. William Gaynor, Children's Hospital of Philadelphia, Philadelphia, PA

Invited Discussant: *Charles D. Fraser



 Long-term Results of Biventricular Repair for Hypoplastic Left Heart Variants After Hybrid Approach

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Can Yerebakan, *Children's Heart Center, Giessen, Germany Invited Discussant:* *Kristine J. Guleserian

20. Subclinical Seizures Identified by Postoperative Electroencephalographic Monitoring Are Common Following Neonatal Cardiac Surgery

Maryam Y. Naim, Children's Hospital of Philadelphia/ University of Pennsylvania, Philadelphia, PA

Invited Discussant: *Frank A. Pigula

5:00 p.m. ADJOURN

2:00 p.m. GENERAL THORACIC SURGERY SIMULTANEOUS SCIENTIFIC SESSION

Constitution 107, Metro Toronto Convention Centre 8 minute presentation, 12 minute discussion

Moderators: *Raphael Bueno *Thomas K. Waddell

21. Outcomes of Thymic Carcinoma: A Joint Analysis of International Thymic Tumor Databases

Usman Ahmad, Memorial Sloan-Kettering Cancer Center, New York, NY

Invited Discussant: *Shaf Keshavjee

22. External Validation of a Prediction Model for Pathologic N2 in Radiographically Early-stage Lung Cancer Patients Farhood Farjah, University of Washington, Seattle, WA Invited Discussant: *Eugene H. Blackstone

23. Multicenter Prospective Trial of Routine Mediastinoscopy for Clinical Stage T2N0 and Select T1N0 Lung Cancers

Felix G. Fernandez, Emory University, Atlanta, GA

Invited Discussant: *Jay M. Lee

24. Outcomes, Survival and Quality of Life of Patients
After Minimally Invasive Esophagectomy for
Esophageal Squamous Cell Carcinoma — Experience
of 727 Cases in a High-volume Center
Hao Wang, Zhongshan Hospital, Fudan University,
Shanghai, China

Invited Discussant: *Antoon E. Lerut

3:20 p.m. COFFEE BREAK/VISIT EXHIBITS



3:55 p.m.

25. Independent Validation of the Prognostic Gene Expression Ratio Test in Formalin-fixed, Paraffinembedded (FFPE) Mesothelioma Tumor Tissue Specimens

Assunta De Rienzo, Brigham and Women's Hospital, Boston, MA

Invited Discussant: *David H. Harpole

26. CT Evaluation of Adenocarcinomas Is Highly Predictive of Oncologic Outcome at Resection Candice L. Wilshire, Swedish Cancer Institute and Medical Center, Seattle, WA

Invited Discussant: *Scott J. Swanson

27. Surgery Alone or Preoperative Therapy in cT2N0 Esophageal Cancer?

*Wayne L. Hofstetter, MD Anderson Cancer Center, Houston, TX

Invited Discussant: *Manjit S. Bains

5:00 p.m. ADJOURN

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2:00 p.m. PERIOPERATIVE CARE SIMULTANEOUS SCIENTIFIC SESSION

Room 205, Metro Toronto Convention Centre 8 minute presentation, 12 minute discussion

Moderators: *Stephen C. Yang

* Michael S. Mulligan

28. Uniform Standards Do Not Apply to Readmission Following Coronary Artery Bypass Surgery: A Multi-institutional Study

Robert Lancey, Maryview Medical Center, Portsmouth, VA

Invited Discussant: *Hersh Maniar

 Topical Vancomycin in Combination with Perioperative Antibiotics and Tight Glycemic Control Helps to Eliminate Sternal Wound Infections

*Harold L. Lazar, Boston Medical Center, Boston, MA

Invited Discussant: *Thomas J. Vander Salm

30. Prognostic Factors for Aorta Remodeling
After Thoracic Endovascular Aortic Repair in
Complicated Chronic DeBakey IIIb Aneurysm
Suk-Won Song, Gangnam Severance Hospital, Yonsei
University, Seoul, Republic of Korea

Invited Discussant: *John S. Ikonomidis

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31. Outcomes of Patients with Human
Immunodeficiency Virus Infection Undergoing
Cardiac Surgery in the United States

Michael P. Robich, Cleveland Clinic, Cleveland, OH

Invited Discussant: *Hossein Almassi

3:20 p.m. COFFEE BREAK/VISIT EXHIBITS

3:55 p.m.

32. Why Are Patients Being Readmitted After Surgery for Esophageal Cancer?
Sneha P. Shah, Johns Hopkins University, Baltimore, MD

Invited Discussions *Morle P. Orringor

Invited Discussant: *Mark B. Orringer

33. An Easily Calculable and Highly Predictive Risk Index for Postoperative Renal Failure After Heart Transplantation

Arman Kilic, Johns Hopkins Hospital, Baltimore, MD

Invited Discussant: *Mark S. Slaughter

34. Development of a Patient Decision Aid for Aortic Valve Replacement Surgery

Joseph A. Anaya, Massachusetts General Hospital, Boston, MA

Invited Discussant: *Rakesh M. Suri

5:00 p.m. ADJOURN

Monday Evening, April 28, 2014

5:00 p.m. 17th Annual C. Walton Lillehei Resident Forum

> Supported by the AATS Graham Foundation Room 206, Metro Toronto Convention Centre 7 minute presentation, 5 minute discussion

Chairs: *Thomas Waddell, University of

Toronto

*Y. Joseph Woo, University of

Pennsylvania

L1. Sustained Release of Milrinone Using Microparticles: New Strategy for Future Therapy in Heart Failure Hamood N. Al Kindi, McGill University, Montreal, Canada

Invited Discussant: *Vivek Rao









L2. NLRP3 Inflammasome Induces Smooth Muscle Cell Dedifferentiation Leading to Thoracic Aortic Biomechanical Failure

Darrell Wu, Baylor College of Medicine, Houston, TX

Invited Discussant: *Thomas G. Gleason

L3. Ultra-minimally Invasive Sentinel Lymph Node Mapping Using a Combination of Transbronchial Injection of Indocyanine Green and Near-infrared Fluorescence Thoracoscope

Hironobu Wada, Toronto General Hospital, Toronto, ON, Canada

Invited Discussant: *Arjun Pennathur

L4. Energy Loss, a Novel Biomechanical Parameter, Correlates with Aortic Aneurysm Size and Histopathology

Jennifer Chunh, McGill University, Montreal, Canada Invited Discussant: Michael P. Fischbein

L5. Insulin-like Growth Factor-1 and Its Associated Binding Proteins Detects the Presence and Determines Prognosis of Non-small Cell Lung Cancer
John C. Kubasiak, Rush University, Chicago, IL

Invited Discussant: Bryan M. Burt

- L6. Influence of Diabetes on Long-term Radial Artery and Saphenous Vein Graft Patency After Coronary Artery Bypass Grafting Surgery — A Sub-study of the Multi-centred Radial Artery Patency Study Saswata Deb, University of Toronto, Toronto, ON, Canada Invited Discussant:
- L7. Fluorescent Intraoperative Imaging Can Identify Positive Surgical Margins
 Olugbenga T. Okusanya, University of Pennsylvania, Philadelphia, PA

Invited Discussant: *Kazuhiro Yasufuku

L8. Risk Profile and Outcomes of Patients Undergoing Surgical Aortic Valve Replacement in the Pre- and Post-transcatheter Aortic Valve Replacement Eras: Is "Risk Creep" Occurring?

Brian R. Englum, Duke University, Durham, NC

Invited Discussant: *Michael J. Mack

6:30 p.m. ADJOURN



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Tuesday Morning, April 29, 2014

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LABORATORY RESEARCH FORA

7:00 a.m. CARDIAC SURGERY FORUM SESSION

Constitution 105, Metro Toronto Convention Centre 5 minute presentation, 5 minute discussion

Moderators: *Jennifer S. Lawton *Elaine E. Tseng

F1. Mechanistic Comparison of Restrictive Annuloplasty and Adjunct Anterior Leaflet Augmentation for Ischemic Mitral Regurgitation

> Andrew W. Siefert, Georgia Institute of Technology, Atlanta, GA

Invited Discussant: *Alain F. Carpentier

F2. Feasibility of Near Infrared Spectroscopic Tomography for Intraoperative Functional Cerebral Monitoring: A Primate Study

Tigran Gevorgyan, The Brooklyn Hospital Center, Brooklyn, NY

Invited Discussant: *Abe DeAnda, Jr.

F3. Effect of Selective Cerebral Perfusion Duration on Neuronal Injury in Neonatal Piglets

Ivan Ricardo Argueta-Morales, The Heart Center Arnold Palmer Hospital for Children, Orlando, FL

Invited Discussant: *Mark D. Rodefeld

F4. Tissue Engineered, Hydrogel-based Endothelial Progenitor Cell Therapy Robustly Revascularizes Ischemic Myocardium and Preserves Ventricular Function

Pavan Atluri, *University of Pennsylvania*, *Philadelphia*, *PA Invited Discussant:* *Elaine E. Tseng

- F5. Regulatory T Cells Enhance Mesenchymal Stem Cell Survival and Proliferation Following Autologous Co-transplantation in Ischemic Myocardium Yifu Zhou, National Institutes of Health, Bethesda, MD Invited Discussant: *Richard Weisel
- F6. Cardiac Surgical Mediated Recirculating Delivery of High Dose AAV9 Encoding the Sarcoplasmic Endoreticulum ATPase (SERCA2a) Gene Restores Ventricular Function in Ovine Ischemic Cardiomyopathy with Enhanced Mitochondrial Energetics

Anthony S. Fargnoli, Carolinas Healthcare System, Charlotte, NC

Invited Discussant: *Todd K. Rosengart

*AATS Member







F7. Metabolic Syndrome Impairs Pro-angiogenesis Notch Signaling in Collateral Dependent Myocardium

Nassrene Y. Elmadhun, *Brown University, Providence, RI*Invited Discussant: *Mark Ruel

F8. Paraplegia Prevention By Oral Pretreatment with Memantine in a Rabbit Model

Nirmal Panthee, *University of Tokyo*, *Tokyo*, *Japan Invited Discussant*: *Juan A. Crestanello

F9. Functional Evaluation of Human DCD Donor Hearts
Using a Continuous Isolated Myocardial Perfusion
Technique; Potential for Expansion of the Cardiac
Donor Population

Satoru Osaki, University of Wisconsin, Madison, WI

Invited Discussant: Richard-Tien V. Ha

F10. Practice Improves Performance on a Coronary Anastomosis Simulator, Attending Surgeon Supervision Does Not

Daniel H. Enter, *Northwestern University, Chicago, IL Invited Discussant:* *Jennifer D. Walker

7:00 a.m. GENERAL THORACIC SURGERY FORUM SESSION

Room 205, Metro Toronto Convention Centre 5 minute presentation, 5 minute discussion

Moderators: *Yolonda L. Colson *Christine L. Lau

F11. Replacement of the Cervical Esophagus with a Tissue Engineered Scaffold in a Rat Model: The Importance of Pre-seeding

Sebastian Sjöqvist, Karolinska Institutet, Huddinge, Stockholm, Sweden

Invited Discussant:

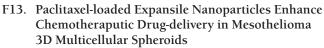
F12. Cisplatin Treatment Induces Cisplatin-resistant Circulating Tumor Cell Production in the Ex Vivo 4D Model

**Min P. Kim, Houston Methodist, Houston, TX Invited Discussant: Chadrick E. Denlinger

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^{*}AATS Member

^{**}Kirklin Research Award Winner 2013-2014



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Hongyi Lei, Brigham and Women's Hospital, Boston, MA; ²Boston University, Boston, MA

Invited Discussant: *Joseph S. Friedberg

F14. RNA Editing in Lung Adenocarcinoma
Chuong D. Hoang, Stanford University, Stanford, CA
Invited Discussant: *Sai Yendamuri

F15. Serum miRNAs Associated with CTGF Expression in Chemoresistant Esophageal Adenocarcinomas Correlate with Neoadjuvant Treatment Response Jules Lin, University of Michigan, Ann Arbor, MI Invited Discussant: *Gail E. Darling

F16. The Polycomb Associated Protein JARID2 Is a Novel Epigenetic Target for Lung Cancer Therapy
Young Hong, National Cancer Institute, Bethesda, MD
Invited Discussant: Mark Onaitis

F17. Specificity Protein 1 Is a Novel Druggable Target in Malignant Pleural Mesotheliomas
Scott M. Atay, National Cancer Institute, Bethesda, MD
Invited Discussant: *Marc De Perrot

F18. IL-27 Enhances SOCS3 Expression and Inhibits STAT3 Activation Resulting in Inhibition of Cell Migration in Premalignant KRAS Mutated Human Bronchial Epithelial Cells

*Jay M. Lee, UCLA, Los Angeles, CA
Invited Discussant: *David R. Jones

F19. Effects of Lobar Pulmonary Artery Banding on Postpneumonectomy Adaptation Assessed By Functional High Resolution Computed Tomography Connie C.W. Hsia, University of Texas Southwestern, Dallas, TX

Invited Discussant: *Steven J. Mentzer

F20. Dual Ex-vivo Lung Perfusion Techniques
Can Improve Airway Hypoxia After Lung
Transplantation
Noribica Shiramura, University of Pittchurch, Pi

Norihisa Shigemura, University of Pittsburgh, Pittsburgh, PA

Invited Discussant: Marcelo Cypel







EMERGING TECHNOLOGIES AND TECHNIQUES FORUM

Room 206, Metro Toronto Convention Centre 6 minute presentation, 4 minute discussion

Moderators: *Vinay Badhwar *Kenton J. Zehr

7:00 a.m.

- T1. Real-time Monitoring of Spinal Cord Blood Flow with a Novel Sensor Mounted Cerebrospinal Fluid Drainage Catheter in an Animal Model
 Yukihiro Hayatsu, *Tohoku University, Sendai, Japan*
- T2. Bicaval Dual-lumen Cannula for Adult Extracorporeal Membrane Oxygenation: A Single Institution Experience of 286 Procedures

 Keng Ang, Glenfield Hospital, Leicester, United Kingdom
- T3. Is It Possible to Predict the Best Mitral Valve Repair in The Individual Patient? Preliminary Results of a Finite Element Study from Magnetic Resonance Imaging Data Francesco Sturla, Università degli Studi di Verona, Verona, Italy
- T4. Direct Innominate Artery Cannulation for Selective Antegrade Cerebral Perfusion During Deep Hypothermic Circulatory Arrest in Aortic Surgery Vinay Garg, St. Michael's Hospital, Toronto, ON, Canada
- T5. Clinical Performance of a Sutureless Aortic Bioprosthesis: Five Year Results of the 3f Enable Long-term Follow-up Study Lars Englberger, Inselspital, Bern, Switzerland
- T6. Off-pump Mitral Valved Stent Implantation:
 Comparison of Apical and Sub-annular Fixation
 Techniques
 Katharina Huenges, Christian-Albrechts-University of
 Kiel, Kiel, Germany
- T7. Trans-esophageal Pulmonary Nodule Biopsy Using Endoscopic Ultrasound

 Moishe Liberman, University of Montreal, Montreal, Canada
- T8. Extra-anatomical Lung Resection in Vats: The Outpatient Experience with the Aid of a Digital Chest Drain Device
 Stefano Cafarotti, Ente Ospedaliero Cantonale, Bellinzona, Switzerland
- T9. Airway Remodeling: Preliminary Experience with Bio-absorbable Airway Stents in Adults

 Massimo Osvaldo Jaus, University Hospital Careggi, Florence, Italy







T10. Computational Analysis to Predict False Lumen
Perfusion and Outcome of Type B Aortic Dissection
Giuseppe D'Ancona, ISMETT, Palermo, Italy

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Late-Breaking Clinical Trial

LB1. Simplified Total Arch Repair with a Stented Graft for Acute DeBakey Type I Dissection

Tianxiang Gu, Sr., First Affiliated Hospital, China Medical University, Shenyang, China

Invited Discussant: *Thoralf M. Sundt, III

7:00 a.m. VIDEO SESSION

Room 203, Metro Toronto Convention Centre 10 minute presentation

Moderators: *John G. Byrne *Philip A. Linden

V1. Surgical Simulation of Thoracoscopic Intrathoracic Anastomosis Thomas Fabian, Albany Medical Center, Albany, NY

V2. Thoracoscopic Left Upper Lobe Sleeve Lobectomy for Inflammatory Myofibroblastic Tumor

*Todd L. Demmy, Roswell Park Cancer Institute, Buffalo, NY

V3. Laparoscopic Repair of Morgagni Hernia: Primary and Mesh Repair Technique
Ryan A. Macke, University of Wisconsin, Madison, WI

V4. Radical Resection of Thymic Carcinoma Infiltrating Lung, Pulmonary Artery, Superior Vena Cava and Pericardium

Antonio D'Andrilli, University Sapienza, Rome, Italy

- V5. Half-turned Truncal Switch Operation for Transposition of the Great Arteries with Left Ventricular Outflow Obstruction Masaaki Yamagishi, Kyoto Prefectural University of Medicine, Kyoto, Japan
- V6. Closure of a Perimembranous Ventricular Septal Defect (VSD) Using a Right Transverse Axillary Incision and Central Cannulation in an 8 Month Old Infant
 Khanh H. Nguyen, Mount Sinai Hospital, New York NY
- V7. "Tricuspid Tube" for Severe Tricuspid Regurgitation from Endocarditis

 *Richard Lee, St. Louis University Hospital, St. Louis, MO
- V8. Aortic-valved Conduit in the Mitral Position for Treatment of Mitral Endocarditis Requiring Reconstruction of the Intra-valvular Fibrous Body Daniel R. Watson, Riverside Methodist Hospital, Columbus, OH







V9. Extrathoracic, Transdiaphragmatic, Off-pump LVAD

Alexandra Tuluca, Texas Heart Institute/Baylor College of Medicine, Houston, TX

V10. Aortic Valve Reconstruction Using Autologous Pericardium for Infective Endocarditis with Root Abscess

Shigeyuki Ozaki, Toho University, Tokyo, Japan

8:45 a.m. PLENARY SCIENTIFIC SESSION

Exhibit Hall C, Metro Toronto Convention Centre 8 minute presentation, 12 minute discussion

Moderators: *David J. Sugarbaker *Marc R. Moon

35. Outcomes of Open Distal Aortic Aneurysm Repair in Patients with Chronic Debakey Type I Dissection *Joseph S. Coselli, Baylor College of Medicine/Texas Heart Institute, Houston, TX

Invited Discussant: *D. Craig Miller

36. Studying Intraoperative Conversions from Video-assisted Thoracoscopic Surgery to Open Thoracotomy: A Root Cause Analysis
Varun Puri, Washington University, St. Louis, MO

Invited Discussant: *Thomas A. D'Amico

37. Outcomes Differ in Patients Who Undergo Immediate Intraoperative Revision vs. Patients with Delayed Postoperative Revisions of Residual Lesions in Congenital Heart Operations Meena Nathan, Boston Childrens Hospital, Boston, MA Invited Discussant: *Emile A. Bacha

38. Increased Late Benefit of Multi-arterial CABG
Compared to Intra-coronary Stenting in Multivessel
Left Anterior Descending Coronary Artery Disease
Robert H. Habib, American University of Beirut, Beirut,
Lebanon

Invited Discussant: *Sertec Cicek

10:05 a.m. COFFEE BREAK/VISIT EXHIBITS

10:30 a.m. AWARD PRESENTATIONS



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10:40 a.m. PLENARY SCIENTIFIC SESSION

8 minute presentation, 12 minute discussion

Moderators: *Pedro J. del Nido *Marc R. Moon

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39. The Impact of Annual Hospital Volume on 30-Day and 90-Day Mortality Rates for 121,099 Patients Undergoing Major Pulmonary Resection for Lung Cancer

Christopher M. Pezzi, Abington Memorial Hospital, Abington, PA

Invited Discussant: *Cameron D. Wright

40. Left Ventricular Dysfunction Following Mitral Valve Repair — the Fallacy of "Normal" Preoperative Myocardial Function

*Rakesh M. Suri, Mayo Clinic, Rochester, MN

Invited Discussant: *David H. Adams

41. Analysis of Longitudinal Quality of Life Data in High-risk Operable Patients with Lung Cancer: Data from Z4032 (Alliance) a Multicenter Randomized Trial

*Bryan F. Meyers, Washington University, St. Louis, MO Invited Discussant: *Michael T. Jaklitsch

11:40 a.m. HONORED GUEST LECTURE

Introduced By: *David J. Sugarbaker

"The One-day Contract"

Rick Pitino, Head Coach, University of Louisville

Men's Basketball Team

12:30 p.m. ADJOURN FOR LUNCH – VISIT EXHIBITS

12:45 p.m. MODERATED POSTER COMPETITION

Exhibit Hall AB, Metro Toronto Convention Centre

ADULT CARDIAC MODERATED POSTER COMPETITION

Exhibit Hall AB, Metro Toronto Convention Centre 5 minute presentation

Moderator: *Ralph J. Damiano, Jr.

- P1. Modeling of Pre-dissection Aortic Size in Acute Type A Dissection: Over 90% Fail to Meet the Guidelines for Elective Ascending Replacement

 Bartosz Rylski, University of Pennsylvania, Philadelphia, PA
- P2. Avoiding Aortic Clamping During CABG Surgery Reduces Postoperative Stroke
 Emmanuel Moss, Emory University, Atlanta, GA

*AATS Member

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P3.

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Munir Boodhwani, University of Ottawa Heart Institute, Ottawa, ON, Canada

P4. Do Differences in Early Hemodynamic Performance of Current Generation Biologic Aortic Valves Predict Outcomes One Year Following Surgery?

Kevin Greason, Mayo Clinic, Rochester, MN

Results in 760 Patients

- P5. Prognostic Value of a Preoperative B-Type Natriuretic Peptide on Mortality in Transapical Aortic Valve Replacements: Results from the PARTNER Trial *Vinod H. Thouran, Emory University, Atlanta, GA
- P6. The Prognostic Impact of Concomitant Coronary Bypass Grafting During Aortic Valve Surgery — Implications for Revascularization in the Transcatheter Era Nassir M. Thalji, Mayo Clinic, Rochester, MN
- P7. ECMO As a Bridge to Continuous Flow LVAD in the Setting of Refractory Cardiogenic Shock Is an Appropriate Method for Patient Selection Jeremy E. Leidenfrost, Washington University, St. Louis, MO
- P8. Homograft Implantation in Reoperative Aortic Root and Proximal Aortic Surgery for Endocarditis: A 12-Year Experience in High-risk Patients
 Ourania Preventza, Texas Heart Institute, Houston, TX
- P9. Residual Anatomic and Surgical Obstacles in Treating Active Left-sided Infective Endocarditis Syed T. Hussain, Cleveland Clinic, Cleveland, OH
- P10. Mini-thoracotomy for Mitral Valve Repair Improves Inpatient and Post Discharge Economic Savings *Eugene A. Grossi, NYU School of Medicine, New York, NY
- P11. Long Term Outcome of 900 Consecutive Minimally Invasive Direct Coronary Artery By-pass: 10-Year Follow-up
 Alberto Repossini, University of Brescia, Brescia, Italy
- P12. Rotary Blood Pumps As Long-term Mechanical Circulatory Support: A 15-Year Single-center Experience Eva Maria Delmo Walter, Deutsches Herzzentrum Berlin, Berlin, Germany
- P13. Aortic Valve Reconstruction Using Autologus Pericardium for Patients Below the Age of 60 Years Shigeyuki Ozaki, Toho University Ohashi Medical Center, Tokyo, Japan

64

CONGENITAL HEART DISEASE MODERATED POSTER COMPETITION

Exhibit Hall AB, Metro Toronto Convention Centre 5 minute presentation

Moderator: William J. Brawn

- P14. Small Weight Infants Are at Increased Mortality Risk Following Palliative or Corrective Cardiac Surgery *Bahaaldin Alsoufi, Emory University, Atlanta, GA
- P15. Fenestration May Still Be Important for Midterm Outcomes in Total Cavopulmonary Connection Yasuhiro Kotani, The Hospital for Sick Children, Toronto, ON, Canada
- P16. Technical Performance Score As Predictor for Post Discharge Reintervention in Valve Sparing Tetralogy of Fallot Repair Meena Nathan, Boston Childrens Hospital, Boston, MA
- P17. Predictors for Survival and Reintervention in Simple and Complex Subaortic Stenosis: Results from a Prospective, Procedure-based National Database Serban C. Stoica, Bristol Children's Hospital, Bristol, United Kingdom
- P18. Use of a Novel Vasoactive-ventilation-renal Score to Predict Outcomes After Pediatric Cardiac Surgery Kyle Miletic, Wayne State University, Detroit, MI
- P19. Thoracoscopic Left Cardiac Sympathetic Denervation for the Treatment of Adults with Malignant Arrhythmia Syndromes Aodhnait S. Fahy, Mayo Clinic, Rochester, MN
- P20. Patient Anatomy and Outcomes in Tetralogy of Fallot, Pulmonary Atresia and Multiple Aortopulmonary Collateral Arteries Rajiv Devanagondi, *University of Michigan, Ann Arbor, MI*
- P21. Long-term Fate of Aortic Valve After Arterial Switch Operation Mauro Lo Rito, Birmingham Children's Hospital, Birmingham, United Kingdom
- P22. Although Weight Remains a Risk Factor, Neonatal Cardiac Repair at Less than 2.5 kg Yields Excellent Results

David Kalfa, Morgan Stanley Children's Hospital of New York-Presbyterian, Columbia University, New York, NY

P23. Outcomes of Surgery for Infantile, Multivessel Pulmonary Vein Stenosis
Luis G. Quinonez, Boston Children's Hospital, Boston, MA









P24. Surgical Outcomes of 380 Patients with Double Outlet Right Ventricle Who Underwent Biventricular Repair

Kai Ma, Shoujun Li, Fuwai Hospital, Peking Union Medical College & Chinese Academy of Medicine, Beijing, China

P25. Twenty Five Years Experience of Modified Lecompte
Procedure for the Anomalies of Ventriculoarterial
Connection with Ventricular Septal Defect and
Pulmonary Stenosis
Hong-Gook Lim, Seoul National University Hospital,
Seoul, Republic of Korea

P26. Is Preemptive Use of Cardiopulmonary Support for Gradually Deteriorating Cardiac Output Effective in Patients with Congenital Heart Disease When No Further Surgery or Intervention Can Be Offered? Kamal K. Pourmoghadam, Arnold Palmer Hospital for Children, Orlando, FL

GENERAL THORACIC MODERATED POSTER COMPETITION

Exhibit Hall AB, Metro Toronto Convention Centre 5 minute presentation

Moderator: *David R. Jones

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- P27. Clinical Grade Human Lung Decellularization: A Rapid, Novel Technique Anthony V. Louis, *University of Arizona, Tucson, AZ*
- P28. Does Myasthenia Gravis Influence Overall
 Survival and Cumulative Incidence of Recurrence
 in Thymoma Patients? A Retrospective
 Clinicopathological Multicentre Analysis on
 797 Patients
 Pier Luigi Filosso, University of Torino Italy, Torino, Italy
- P29. Outcome of Primary Neuroendocrine Tumors of the Thymus: A Joint Analysis of the International Thymic Malignancy Interest Group and the European Society of Thoracic Surgeons Databases Pier Luigi Filosso, University of Torino Italy, Torino, Italy
- P30. Natural History of Typical Carcinoid of the Lung Dan J. Raz, City of Hope, Duarte, CA
- P31. Incidence, Role and Predictors of Respiratory
 Complications in Patients Undergoing
 Esophagectomy for Malignancy: a NSQIP Analysis
 Daniela Molena, Johns Hopkins University, Baltimore, MD
- P32. Intrapleural Hypercarbia Leads to the Development of Prolonged Air Leaks Following Lung Resection Ankit Bharat, Northwestern University, Chicago, IL



- P33. Characteristics and Outcomes of Secondary Nodules Identified on Initial Computed Tomography Scan for Primary Non-small Cell Lung Cancer

 *Brendon M. Stiles, Weill Cornell Medical College, New York-Presbyterian Hospital, New York, NY
- P34. Circulating Fibrocyte Levels Correlate with Bronchiolitis Obliterans Syndrome Development in Lung Transplant Patients: A Prospective, Longitudinal Trial Jacob R. Gillen, University of Virginia, Charlottesville, VA
- P35. Lung Necrosectomy in Pediatric Patients with Necrotizing Pneumonia Francina V. Bolanos, II, Instituto Nacional y Ciencias Medicas Salvador Zubiran, Mexico
- P36. Inhaled Hydrogen Sulfide Rescues Ischemiareperfusion Injury in an Ex-vivo Human Lung Model Joshua C. Grimm, Johns Hopkins University, Baltimore, MD
- P37. Residual Viable Cancer: Prognostication Beyond ypTNM in Esophageal Adenocarcinoma Siva Raja, Cleveland Clinic Foundation, Cleveland, OH
- P38. Solitary Fibrous Tumors of the Pleura: Clinical, Surgical, and Long-term Outcomes Domenico Galetta, European Institute of Oncology, Milan, Italy
- P39. Safety of Air Travel in the Immediate Postoperative Period Following Anatomic Pulmonary Resection *Stephen D. Cassivi, Mayo Clinic, Rochester, MN

Tuesday Afternoon, April 29, 2014

SIMULTANEOUS SCIENTIFIC SESSIONS

2:00 p.m. ADULT CARDIAC SURGERY
SIMULTANEOUS SCIENTIFIC SESSION
Exhibit Hall C, Metro Toronto Convention Centre
8 minute presentation, 12 minute discussion
Moderators: *Harold L. Lazar
*A. Pieter Kappetein







42. A Randomized Comparison of the SAphenous VEin vs. Right Internal Thoracic Arteryas a Y-Composite Graft (SAVE RITA Trial): One-year Angiographic Results and Mid-term Clinical Outcomes

*Ki-Bong Kim, Seoul National University Hospital, Seoul

*Ki-Bong Kim, Seoul National University Hospital, Seoul, Republic of Korea

Invited Discussant: *Sary F. Aranki

43. A Three Decade Experience with Systolic Anterior Motion After Mitral Valve Repair

David W. Yaffee, New York University, New York, NY

Invited Discussant:

44. Sinus Rhythm Prediction in Concomitant Cox-maze Patients

*Niv Ad, Inova Heart and Vascular Institute, Falls Church, VA

Invited Discussant: *Richard Lee

45. A Minimally Invasive Cox Maze IV Is As Effective As Sternotomy While Decreasing Major Complication Rate and Hospital Length of Stay

Christopher P. Lawrance, Washington University, St. Louis, MO

Invited Discussant: *Vinay Badhwar

3:20 p.m. COFFEE BREAK/VISIT EXHIBITS

3:55 p.m.

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46. Natural History of Coexistent Tricuspid
Regurgitation in Patients with Degenerative Mitral
Valve Disease: Implications for Future Guidelines
Andrew B. Goldstone, University of Pennsylvania,
Philadelphia, PA

Invited Discussant: *Kenton J. Zehr

47. Surgical Aortic Valve Replacement with Sutureless Valve: A Multicenter Study

Antoning S. Pubing, University of Catania, Catania, Italian

Antonino S. Rubino, *University of Catania, Catania, Italy Invited Discussant:* *Vinod H. Thourani

48. When Does Trans-apical Aortic Valve Replacement Become a Futile Procedure? An Analysis from a National Registry

Augusto D'Onofrio, *University of Padova, Padova, Italy Invited Discussant:* *Wilson Y. Szeto

Guidelines for the Surgical Management of

Mitral Valve Disease
David H. Adams, Mitral Valve Disease Writing Group,
Mount Sinai Hospital, New York, NY

*AATS Member

49.

Late-Breaking Clinical Trial

LB2. Predicting Recurrence of Mitral Regurgitation Following Repair for Severe Ischemic MR

*Irving Kron, University of Virginia Health System, Charlottesville, VA, USA

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Invited Discussant: *Robert A. Dion

5:35 p.m. EXECUTIVE SESSION (AATS Members Only)
Exhibit Hall C, Metro Toronto Convention Centre

2:00 p.m. CONGENITAL HEART DISEASE SIMULTANEOUS SCIENTIFIC SESSION

Room 203, Metro Toronto Convention Centre 8 minute presentation, 12 minute discussion

Moderators: *Christopher A. Caldarone
* Robert D. Jaquiss

 Losartan Ameliorates "Upstream" Pulmonary Vein Vasculopathy in a Piglet Pulmonary Vein Banding Model

Jiaquan Zhu, The Hospital for Sick Children, Toronto, ON, Canada

Invited Discussant: *Duke E. Cameron

51. Survival into Adulthood of Patients with Atrial Isomerism Undergoing Cardiac Surgery

Yves d'Udekem, The Royal Children's Hospital, Parkville, VIC, Australia

Invited Discussant: *Glen Van Arsdell

52. Factors Associated with Right Ventricular Dilation and Dysfunction in Patients with Chronic Pulmonary Regurgitation After Repair of Tetralogy of Fallot: Analysis of Magnetic Resonance Imaging Data in 251 Patients

Cheul Lee, Sejong General Hospital, Bucheon, Republic of Korea

Invited Discussant: *Emmett Dean McKenzie

53. Long-term Outcomes After Definitive Repair Fortetralogy of Fallot with Preserving Pulmonary Valve Annulus

> Takaya Hoashi, National Cerebral and Cardiovascular Center, Suita, Japan

Invited Discussant: *Giovanni Stellin







54. Late Outcomes After Arterial Switch Operation for Taussig-bing Anomaly: Can We afford Biventricular Repair?

Mathieu Vergnat, Marie-Lannelongue Hospital, Le Plessis Robinson, France

Invited Discussant: Christian Pizarro

3:40 p.m. COFFEE BREAK/VISIT EXHIBITS

4:15 p.m.

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55. Strategy for Bi-ventricular Repair Transposition of the Great Arteries with Ventricular Septal Defect and Pulmonary Stenosis: Nikaidoh's vs. Conventional Procedure

Qin Yan, Shanghai Children's Medical Center, Shanghai, China

Invited Discussant: *Victor Morell

56. Early Norwood vs. Later Comprehensive Stage 2 Following Hybrid: Which Is Better? For Whom? Ryan Robert Davies, Nemours/A.I. duPont Hospital for Children, Wilmington, DE

Invited Discussant: *Pirooz Eghtesady

57. Performance Monitoring of the Arterial Switch Operation: A Moving Target

Hanna Jensen, Great Ormond Street Hospital for Children, London, United Kingdom

Invited Discussant: *Christopher A. Caldarone

5:35 p.m. EXECUTIVE SESSION (AATS Members Only) Exhibit Hall C, Metro Toronto Convention Centre

2:00 p.m. GENERAL THORACIC SURGERY SIMULTANEOUS SCIENTIFIC SESSION

Room 205, Metro Toronto Convention Centre 8 minute presentation, 12 minute discussion

Moderators: *Sudish C. Murthy *Joshua R. Sonett

58. Surveillance with Chest X-ray vs. CT Scan After Resection for Stage I Non-small Cell Lung Cancer: Does Earlier Detection Result in Improved Survival? *Traves D. Crabtree, Washington University, St. Louis, MO Invited Discussant: *Robert J. Korst



 The Incidence of Venous Thromboembolism in Esophagectomy Patients by Caprini Score Stratification

*Virginia R. Litle, Boston University, Boston, MA Invited Discussant: *Andrew C. Chang

60. Retrospective Analysis of Lung Transplant Recipients Found to Have Unexpected Lung Cancer in Explanted Lungs

Takahiro Nakajima, Toronto General Hospital/University of Toronto, Toronto, Canada

Invited Discussant: *Seth D. Force

61. Long-term Results After Surgical Resection for 1,763 Lung Cancer Patients with Interstitial Lung Disease – Should It Be Done?
 *Hiroshi Date, Kyoto University, Kyoto, Japan Invited Discussant: *Chukwumere E. Nwogu

62. An Immunohistochemistry (IHC)-based Test
That Accurately Predicts Extreme Resistance
to Fluorouracil (5-FU)-based Neoadjuvant
Chemoradiation (neoCTRT) Therapy in Patients
of Esophageal Adenocarcinoma (EAC)
Sunil S. Badve, Indiana University, Indianapolis, IN

Invited Discussant: *Subroto Paul

3:40 p.m. COFFEE BREAK/VISIT EXHIBITS

4:15 p.m.

63. Contemporary National Early Outcomes of Pneumonectomy for Lung Cancer: Predictors of Major Morbidity and Mortality
*Pascal A. Thomas, Aix-Marseille University/North Hospital, Marseille, France

Invited Discussant: *Frank C. Detterback

64. Evaluation of ERCC1 and RRM1 As Prognostic and Predictive Markers for Malignant Pleural Mesothelioma Patients Undergoing Platinum Based Induction Chemotherapy Followed by Surgery Isabelle Opitz, Institute of Surgical Pathology, Zürich, Switzerland

Invited Discussant: *Harvey I. Pass





Guidelines

Atrial Fibrillation in Thoracic Surgical Procedures

George Frendl

Brigham and Women's Hospital, Boston MA

Late-Breaking Clinical Trial

LB3. Quantitative Analysis of Exhaled Carbonyl Compounds Distinguishes Benign From Malignant Pulmonary Disease

Michael Bousamra, University of Louisville, Louisville, KY, USA

Invited Discussant: *Chukwumere E. Nwogu

5:35 p.m. EXECUTIVE SESSION (AATS Members Only) Exhibit Hall C, Metro Toronto Convention Centre

2:00 p.m. AORTIC/ENDOVASCULAR SURGERY SIMULTANEOUS SCIENTIFIC SESSION

Room 206, Metro Toronto Convention Centre 8 minute presentation, 12 minute discussion

Moderators: *Joseph S. Coselli

*Hans-Joachim Schaefers

65. Total Aortic Arch Replacement with Frozen Elephant Trunk Implantation for Type A Aortic Dissections: Neither Acute Nor Chronic Phase Affects Early Surgical Mortality

Wei-Guo Ma, Yale University School of Medicine, New Haven, CT

Invited Discussant: *Malakh L. Shrestha

66. Branched and Fenestrated Stent Grafts – A
Reasonable Option for Thoraco-abdominal Aortic
Aneurysm Repair

Burkhart Zipfel, Deutsches Herzzentrum Berlin, Berlin, Germany

Invited Discussant: *Eric E. Roselli

67. Straight Deep Hypothermic Circulatory Arrest for Cerebral Protection During Aortic Arch Surgery: Safe and Effective

Bulat A. Ziganshin, Yale University, New Haven, CT

Invited Discussant: *Joseph D. Schmoker





68. The Safety and Efficacy of Retrograde Cerebral Perfusion as an Adjunct for Cerebral Protection During Surgery on the Aortic Arch

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Siyamek Neragi-Miandoab, Weil Cornell University Medical Center, New York, NY

Invited Discussant:

- 3:25 p.m. COFFEE BREAK/VISIT EXHIBITS
- 3:55 p.m. AORTIC/ENDOVASCULAR SURGERY SIMULTANEOUS SCIENTIFIC SESSION 6 minute presentation, 7 minute discussion Moderators: *Joseph S. Coselli *Hans-Joachim Schaefers
- 69. Three-year Hemodynamic Performance and Left Ventricular Mass Regression After Rapid Deployment Aortic Valve Replacement in 287 Patients

*Axel Haverich, Hannover Medical School, Hannover, Germany

Invited Discussant: *Y. Joseph Woo

70. Use of Balloon Expandable Transcatheter Valve for Valve-in-valve Implantation in Patients with Degenerated Stentless Aortic Bioprostheses:
Technical Considerations and Results
Vinayak Bapat, Martyn Thomas St. Thomas' Hospital, London, United Kingdom

Invited Discussant: *A. Pieter Kappetein

- Surveillance of Moderate-size Aneurysms of the Thoracic Aorta
 Allison J. McLarty, Northport VA, Northport, NY
 Invited Discussant: *Scott A. LeMaire
- 72. Long-term Outcomes Following Immediate
 Aortic Repair for Acute Type A Aortic Dissection
 Complicated by Coma
 Takuro Tsukube, Japanese Red Cross Kobe Hospital,

Invited Discussant:

Kobe, Japan

- 73. Central vs. Peripheral Cannulation for Type A Aortic Dissection: A Propensity-matched Analysis
 Nimesh Desai, University of Pennsylvania, Philadelphia, PA
 Invited Discussant: *Thomas G. Gleason
- 74. Acute Type A Aortic Dissection Extending Beyond Ascending Aorta: Limited or Extensive Distal Repair *Matthias Siepe, Freiburg University, Freiburg, Germany Invited Discussant: *Leonard N. Girardi



Late-Breaking Clinical Trial

LB4. Self-expanding Transcatheter Aortic Valve Replacement Using Alternative Access Sites in Patients with Severe Aortic Stenosis Deemed Extreme Risk for Surgery

Michael J. Reardon, Methodist DeBakey Heart & Vascular Center, Houston, TX, USA

Invited Discussant: *Friedrich M. Mohr

5:35 p.m. EXECUTIVE SESSION (AATS Members Only) Exhibit Hall C, Metro Toronto Convention Centre

WEDNESDAY MORNING, APRIL 30, 2014

SIMULTANEOUS SCIENTIFIC SESSIONS

7:00 a.m. ADULT CARDIAC SURGERY SIMULTANEOUS SCIENTIFIC SESSION

Room 206, Metro Toronto Convention Centre 5 minute presentation, 6 minute discussion

Moderators: *Lawrence H. Cohn *Jose L. Pomar

- 75. Effectiveness of Biatrial Epicardial Application of Amioderone Releasing Adhesive Hydrogel to Prevent Postoperative Atrial Fibrillation
 William Wang, Scripps Memorial hospital, La Jolla, CA
 Invited Discussant: *Ralph J. Damiano, Jr.
- 76. Extended Criteria for Operability in Chronic Thromboembolic Pulmonary Hypertension Andrea Maria D'Armini, Roberto Dore Foundation I.R.C.C.S. Policlinico San Matteo, Pavia, Italy Invited Discussant: *Patricia A. Thistlewaite
- 77. Outcomes of Long-term Partial Flow Left Ventricular Support in Inotropic Dependent High Risk Patients — Do We Still Need Full-support Left Ventricular Assist Devices?

Anton Sabashnikov, Royal Brompton & Harefield NHS Foundation trust, Harefield, London, United Kingdom

Invited Discussant: Jan F. Gummert

78. Trends in Use of Off-pump Coronary Artery Bypass Grafting in the United States

*Faisal G. Bakaeen, Baylor College of Medicine and The Michael E. DeBakey VAMC and Texas Heart Institute, Houston, TX

Invited Discussant: *Harold L. Lazar

*AATS Member

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"Innovation in Cardiac Surgery"

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Invited Speaker: *James L. Cox

79. Mitral Valve Repair Rates Correlate with Surgeon and Institutional Experience

Damien J. LaPar, *University of Virginia, Charlottesville, VA Invited Discussant:* *David A. Fullerton

- 80. Contemporary Experience with Pump Thombrosis in Patients Supported with an Axial Flow LVAD
 Jay K. Bhama, University of Pittsburgh, Pittsburgh, PA
 Invited Discussant: Nader Moazami
- 81. Cost-benefit Analysis of Robotic vs. Non-robotic Minimally Invasive Mitral Valve Surgery: Do Added Costs Justify the Added Benefits?

 Mohammed Hassan, University of New Mexico, Albuquerque, NM

Invited Discussant: Robert Poston

82. Early Experience Treating Tricuspid Valve Endocarditis with a Novel Extracellular-matrix Cylinder Reconstruction

Marc W. Gerdisch, Franciscan St. Francis Heart Center, Indianapolis, IN

Invited Discussant: *Gorav Ailawadi

Late-Breaking Clinical Trial

LB5. One Year Outcome on 616 Patients Receiving a Stentless Bioprosthesis: Results from a European Multicentre Study

Markus Thalmann, KH-Hietzing, Wien, Austria

Invited Discussant: *Hartzell V. Schaff

7:00 a.m. CONGENITAL HEART DISEASE SIMULTANEOUS SCIENTIFIC SESSION

Room 203, Metro Toronto Convention Centre 5 minute presentation, 6 minute discussion

Moderators: *Frank Pigula *Priooz Eghtesady

83. Management of Mitral Valve Regurgitation in Marfan Syndrome: Outcomes of Valve Repair vs. Valve Replacement and Comparison to Patients with Myxomatous Mitral Disease

Meghana R. Kunkala, Mayo Clinic, Rochester, MN

Invited Discussant: *Luca A. Vricella







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84. Bicuspid Aortic Valve Morphology: Does the Pattern of Leaflet Fusion Determine Aortic and Valvar Pathology?

Mark Ruzmetov, *Children's Hospital of Illinois, Peoria, IL*Invited Discussant: *Gebrine El Khoury

85. Controlled Reoxygenation During Cardiopulmonary Bypass Induces Anti-inflammatory and Cardioprotective Response in Single Ventricle Patients Undergoing Pediatric Heart Surgery Massimo Caputo, Bristol Heart Institute, Bristol, United Kingdom

Invited Discussant: David P. Bichell

86. When to Do A Biventricular Repair for Double Outlet Right Ventricle with Non-committed Ventricular Septal Defect

Zhongdong Hua, Fuwai Hospital Beijing, Beijing, China Invited Discussant: *Lorenzo Galletti

"SAFETY, INNOVATION, AND GOVERNANCE IN CONGENITAL CARDIAC SURGERY"

Invited Speaker: *Martin J. Elliott

87. A Paired Membrane Umbrella Double Lumen Cannula Assures Consistent Cavopulmonary Assistance in a Fontan Sheep Model
Dongfang Wang, University of Kentucky, Lexington, KY;

2W-Z Biotech, LLC, Lexington, KY

Invited Discussant: *Eric J. Devaney

88. Should Early Extubation Be the Goal for All Children, Including Neonates, Undergoing Surgery for Congenital Heart Disease?

Very Harris, University of British Columbia, Vancouver.

Kevin Harris, University of British Columbia, Vancouver, BC, Canada

Invited Discussant: *Ralph S. Mosca

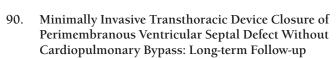
89. Chronic Cavopulmonary Assist for the Failing Fontan Circulation: Motor Design for a Biconical Viscous Impeller Pump

Anna-Elodie M. Kerlo, Indiana University, Indianapolis, IN

Invited Discussant: *David L. Morales







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Qin Wu, Women and Children's Hospital of Qingdao University, Qingdao, China

Invited Discussant:

Results

7:00 a.m. GENERAL THORACIC SURGERY SIMULTANEOUS SCIENTIFIC SESSION

Room 205, Metro Toronto Convention Centre 5 minute presentation, 6 minute discussion

Moderators: *Frank C. Detterbeck *Sidharta P. Gangadharan

91. Preoperative CT-guided Microcoil Localization (CTML) Improves the Diagnostic Accuracy of Fluoroscopic-guided Video-assisted Thoracoscopic (VATS) Wedge Resection of Small Peripheral Pulmonary Nodules (SPPN): A Prospective Randomized Controlled Trial (RCT)

*Pickard John Finlay University of Priving Columbia

*Richard John Finley, University of British Columbia, Vancouver, BC, Canada

Invited Discussant: *Michael J. Liptay

92. Extra-corporeal Membrane Oxygenation As a Bridge to Lung Transplantation: An Evolving Strategy in the Management of Candidates with Rapidly Advancing Pulmonary Disease

Awori J. Hayanga, University of Pittsburgh, Pittsburgh, PA Invited Discussant: *David P. Mason

93. Pleurectomy/Decortication, Hyperthermic Pleural Lavage with Povidone-iodine and Systemic Chemotherapy in Malignant Pleural Mesothelioma – A 10-Year Experience

Loic Lang-Lazdunski, Guy's Hospital, London, United Kingdom

Invited Discussant: *Walter Weder

94. Intratracheal Delivery of Cell Therapy for Respiratory Diseases

Ylva Gustafsson, Karolinska Institutet, Stockholm, Sweden Invited Discussant:

"EVOLUTION OF STAGING IN LUNG CANCER"

Invited Speaker: *Peter Goldstraw





95. The Impact of Hospital and Surgeon Volume on the Safety of Lung Cancer Surgery Within the Framework of France's Dirst National Cancer Plan Pierre-Emmanuel Falcoz, Strasbourg University Hospital, Strasbourg, France

Invited Discussant: *Ara A. Vaporciyan

96. Prognostic Significance of the Location of Metastatic Lymph Nodes in Patients with Adenocarcinoma of the Gastroesophageal Junction
Jun Feng Liu, Hebei Medical University, Shijiazhuang, China

Invited Discussant:

97. A Propensity-matched Comparison of Cost and Outcomes Following Esophageal Stent Placement or Primary Surgical Repair for Esophageal Perforation *Richard K. Freeman, St. Vincent's Health & Hospital System, Indianapolis, IN

Invited Discussant: *Neil Christie

98. Clinical Relevance of a Microscopically Positive Radial Margin After Esophageal Cancer Resection Sebastien Gilbert, University of Ottawa, Ottawa, ON, Canada

Invited Discussant: *Kemp H. Kernstine

Late-Breaking Clinical Trial

LB6. Image-guided Video Assisted Thoracic Surgery (iVATS): A Phase I/II Clinical Trial's Preliminary Report

Yifan Zheng, Brigham and Women's Hospital, Boston, MA

Invited Discussant: *Raja M. Flores





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WEDNESDAY MORNING, APRIL 30, 2014

MASTERS OF SURGERY VIDEO SESSIONS

9:00 a.m. ADULT CARDIAC MASTERS OF SURGERY

VIDEO SESSION, MODERATED LIVE

Exhibit Hall C, Metro Toronto Convention Centre

Moderators: *Marc R. Moon

*Thoralf M. Sundt, III

SESSION I – 9:00 a.m. - 9:30 a.m.

Master: *David H. Adams

Topic: Complex Mitral Valve Surgery

Master: *Tirone E. David

Topic: Valve-sparing Aortic Root Replacement

Master: *Joseph E. Bavaria

Topic: Surgery of the Aortic Arch

SESSION II - 9:30 a.m. - 10:00 a.m.

Master: *W. Randolph Chitwood, Jr.

Topic: Robotic Mitral Valve Repair

Master: *Michael J. Mack

Topic: Transcatheter Aortic Valve Replacement

Master: *Ralph J. Damiano, Jr.

Topic: Cox-maze Procedure through Right Mini-

thoracotomy

9:00 a.m. CONGENITAL MASTERS OF SURGERY

VIDEO SESSION, MODERATED LIVE Room 203, Metro Toronto Convention Centre

Moderators: *Pedro J. del Nido

*Joseph A. Dearani

SESSION I – 9:00 a.m. - 9:30 a.m.

Master: *James S. Tweddell

Topic: The Sano Procedure for HLHS

Master: Viktor Hraska

Topic: Ross-Konno with EFE Resection

SESSION II – 9:30 a.m. – 10:00 a.m.

Master: David Barron

Topic: The Senning Procedure as Part of Double Switch

79

Master: *Joseph A. Dearani

Topic: Ventricular Myomectomy for IHSS

*AATS Member



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SURGERY VIDEO SESSION, MODERATED

LIVE

Room 205, Metro Toronto Convention Centre

Moderators: *David J. Sugarbaker *Daniel L. Miller

SESSION I - 9:00 a.m. - 9:30 a.m.

Master: *Robert J. Cerfolio

Topic: Advanced Robotic Procedure

Master: *Thomas A. D'Amico

Topic: Assisted Lobectomy State of the Art

SESSION II - 9:30 a.m. - 10:00 a.m.

Master: *Robert J. McKenna, Jr.

Topic: Video Assisted Sleeve Resection

Master: *James D. Luketich

(lacktriangle)

Topic: Minimally Invasive Esphagectomies

WEDNESDAY MORNING, APRIL 30, 2014

CONTROVERSIES SESSIONS

10:00 a.m. ADULT CARDIAC CONTROVERSIES

Exhibit Hall C, Metro Toronto Convention Centre

45 minutes per debate

DEBATE I – 10:00 a.m. - 10:45 a.m.

Topic: Should Off-pump CABG Be Abandoned?

Moderator: *A. Pieter Kappetein
Pro: *Joseph F. Sabik, III
Con: *John D. Puskas

DEBATE II – 10:45 a.m. – 11:30 a.m.

Topic: Knife or Cath? The Future of Cardiac Surgery Is in

Percutaneous Interventions

Moderator: *Craig R. Smith

Pro: *Friedrich W. Mohr

Con: *Lars G. Svensson



10:00 a.m. CONGENITAL CONTROVERSIES

Room 203, Metro Toronto Convention Centre

45 minutes per debate

DEBATE I - 10:00 a.m. - 10:45 a.m.

Topic: An Athletic 15-Year Old with Aortic Valve Disease:

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Repair or Replace?

Moderator:*James S. TweddellRepair:Victor HraskaReplace:*Thomas L. Spray

DEBATE II – 10:45 a.m. - 11:30 a.m.

Topic: Comprehensive Perioperative Neuromonitoring Improves Outcomes

Moderator: *J. William Gaynor Pro: *Charles D. Fraser

Con: *Jennifer C. Hirsch-Romano

10:00 a.m. GENERAL THORACIC CONTROVERSIES

Room 205, Metro Toronto Convention Centre

45 minutes per debate

DEBATE I – 10:00 a.m. – 10:45 a.m.

Topic: Robotic Surgery Has No Role in Lung Resection

Surgery

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Moderator:*Larry R. KaiserPro:*Thomas A. D'AmicoCon:*Robert J. Cerfolio

DEBATE II – 10:45 a.m. – 11:30 a.m.

Topic: Chemoradiation Is the Definitive Treatment of Esophageal Cancer

Moderator: *Antoon E. Lerut

Pro: *Stephen G. Swisher

Con: *James D. Luketich

11:30 a.m. COLLABORATIVE CARDIAC CARE

(Separate registration required)

Constitution 105, Metro Toronto Convention Centre

Chairs: *A. Marc Gillinov, Cleveland Clinic Foundation

*Vinod H. Thourani, Emory University Hospital

Midtown

*Mathew Williams, New York-Presbyterian Hospital/Columbia University Medical Center

2:30 p.m. 94TH ANNUAL MEETING ADJOURNS

*AATS Member

AATS RESIDENT POSTER COMPETITION

Sponsored by the AATS Graham Foundation Located in the Exhibit Hall, at the end of Aisle 100 Competition: Sunday, April 27th 5:30 – 7:30 p.m. Viewing Continues Through Monday, April 28th

Take the time to visit the AATS Resident Poster Competition presented by senior cardiothoracic surgery residents and congenital heart surgery fellows from around the world represent their institutions in a scientific poster competition. 1st, 2nd, and 3rd place winners in each subspecialty (cardiac, congenital, general thoracic) will be identified at 8:50 a.m. on Monday, April 28th during the award presentations.

CARDIAC POSTERS

RP1 Contemporary Outcomes of Open Thoracoabdominal Aortic Aneurysm Repair in Octogenarians

Resident: Muhammad Aftab

AATS Member/Program Director: Joseph S. Coselli Baylor College of Medicine

RP2 Mapping and Ablation of Autonomic Ganglia in Prevention of Postoperative Atrial Fibrillation in Coronary Surgery: MAAPPS AF Randomized Controlled Pilot Study

Resident: Tala Al-Atassi

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AATS Member/Program Director: Fraser Rubens *Ottawa Heart Institute*

RP3 Transmyocardial CO2 Laser Revascularization in Combination with Intramyocardial Autologus Bone Marrow Stem Cells Treatment in Diffuse Coronary Disease

Resident: Mikhail Biniashvili

AATS Member/Program Director: Leo Bockeria Bakoulev Scientific Center for Cardiovascular Surgery

RP4 What Constitutes a "Case": We Are Not Speaking the Same Language!

Resident: Clare Burdett

AATS Member/Program Director: John H. Dark *Freeman Hospital*

RP5 Emergent Coronary Artery Bypass Surgery: Indications and Outcomes in Recent Era

Resident: John Chaney

AATS Member/Program Director: Mark Slaughter *University of Louisville*



 RP6 Transcatheter Heart Valve Technology As a Bail out Procedure for Redo High Risk Open Heart Valve Surgery – A Singel Center Experience of 14 Cases in All Valve Positions

Resident: Gry Dahle

AATS Member/Program Director: Harald L. Lindberg Oslo University Hospital

RP7 Single Vessel Disease – MIDCAB or PCI: A Systematic Review with Meta-analysis of 2,885 Patients

Resident: Antje-Christin Deppe

AATS Member/Program Director: Thorsten Wahlers University Hospital of Cologne

RP8 Aortic Remodeling After Frozen Elephant Trunc in Acute Aortic Type I Dissection

Resident: Daniel Sebastian Dohle

AATS Member/Program Director: Heinz Jakob West German Heart Center

RP9 Cost Comparison of Thoracoscopic MAZE and Catheter Ablation in the treatment of Persistent Atrial Fibrillation

Resident: Nikhil Jaik

AATS Member/Program Director: Robert SD Higgins *The Ohio State University*

RP10 Cardiac Allograft Vasculopathy After Combined Heart-lung Transplantation: Is There Any Protective Effect of the Lungs?

Resident: Julien Guihaire

AATS Member/Program Director: Fadel Elie Hopital Marie Lannelongue

RP11 4D Aortic Valve Modelling for Preprocedural TAVR Planning

Resident: Philipp Kiefer

AATS Member/Program Director: Michael Borger Leipzig Heart Center

RP12 Incidence and Associated Outcomes of Veno-venous Extracorporeal Membrane Oxygenation Using Bicaval Dual-lumen Catheter Cannulation: A Review of the ELSO Registry

Resident: Zachary Kon

AATS Member/Program Director: Bartley Griffith *University of Maryland*





RP13 Coronary Artery Bypass Grafting in Patients with Left Ventricular Dysfunction

Resident: Takayoshi Kusuhara

AATS Member/Program Director: Shinichi Takamoto Mitsui Memorial Hospital

RP14 Open Repair for Aorto-esophageal and Aortobronchial Fistulae After Thoracic Endovascular Aortic Repair (TEVAR): Is Radical Surgery the Solution?

Resident: Maximilian Luehr

AATS Member/Program Director: Friedrich Wilhelm Mohr

Leipzig Heart Center

RP15 Isolated Aortic Valve Replacement in the Era of Transaortic Valve Implantation: Reassessing Outcomes

Resident: Élisabeth Martin

AATS Member/Program Director: Pierre Voisine *Laval University*

RP16 The Effect of Time Elapsed Between Initial Presentation to Surgery in Patients with Acute Type A Aortic Dissection on Mortality

Resident: Salvior Mok

AATS Member/Program Director: Robert E. Michler Montefiore Medical Center

RP17 Resection of Tumor Involving the Thoracoabdominal Aorta with Perioperative Embolization of the Intercostal Arteries

Resident: Yu Murakami

AATS Member/Program Director: Yutaka Okita *Kobe University*

RP18 Use of a Pinacidil-lidocaine Cardioplegic Solution Without Potassium Provides Better Hemodynamic Performance Than Hyperkalemic Solution After Extended Cold Storage

Resident: Vinicius Mearim Odone

AATS Member/Program Director: Orlando Petrucci *State University of Campinas*

RP19 "On Pump vs. Off Pump" Coronary Artery Bypass Graft Surgery: 10 Years Experience and Outcomes

Resident: Federico Paredes

AATS Member/Program Director: Juan Martinez León

Hospital General Universitario





RP20 Does Coronary Artery Bypass Graft Influence the Outcomes of Aortic Valve Replacement?

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Resident: Enrique Pérez

AATS Member/Program Director: Ricardo Zalaquett Pontificia Universidad Católica de Chile

RP21 Complete Tricuspic Valve Regeneration: A Novel Minimally Invasive Surgical Technique and New Surgical Paradigm

Resident: Paul Perry

AATS Member/Program Director: Nilas Young University of California, Davis

A New Program of Cardiac Transplantation in Portugal: 10-Year Experience

Resident: Carlos Pinto

AATS Member/Program Director: Manuel J. Antunes Coimbra

RP23 Elderly Over 85 Years of Age Who Survive AVR Improve in NYHA FC and Have a Quality of Life and Life Expectancy Equivalent to Those of Healthy Contemporary Individuals

Resident: Antonio Salsano

AATS Member/Program Director: Francesco Santini University of Genova Medical School

RP24 Influence of Proximal Aortic Repair on the Incidence of Type B Dissection in Patients with Marfan Syndrome

Resident: Florian S. Schoenhoff

AATS Member/Program Director: Thierry P. Carrel University Hospital Berne

RP25 Differentially Expressed Proteins in Aortic Aneurysm Associated with Bicuspid Aortic Valve and Progression of Dilatation of Non-excised Aorta Following Surgery at 5 Year Follow-up

Resident: Gopal Soppa

AATS Member/Program Director: Marjan Jahangiri St. George's Hospital

Early and Mid-term Outcomes Following Surgical RP26 Repair for Acute Type A Aortic Dissection with Coronary Involvement: Coronary Repair vs. **Coronary Artery Bypass Grafting**

Resident: Xiaogang Sun

AATS Member/Program Director: Shengshou Hu

Fuwai Hospital







RP27 Improving Transfer to the Pediatric Intensive Care Unit After Cardiac Surgery

Resident: Julia Swanson

AATS Member/Program Director: Irving Kron *University of Virginia*

RP28 ECMO Outcomes in the Obese Patient Population

Resident: Nicole Sydow

AATS Member/Program Director: Sreekumar Subramanian *University of Arizona*

RP29 Early and Mid-term Results of Mitral Valve Replacement in Patients with Severe Mitral Annular Calcification

Resident: Tomoya Uchimuro

AATS Member/Program Director: Shuichiro Takanashi Sakakibara Heart Institute

RP30 Acute Myocardial Infarction Complicated by Cardiogenic Shock: The Impact of an Algorithm Based ECMO Program on Clinical Outcomes

Resident: Shinya Unai

AATS Member/Program Director: James T. Diehl *Thomas Jefferson University*

RP31 Management of Neonates with Complex Aortic Coartations

Resident: Francisco Vera

AATS Member/Program Director: Juan V. Comas Pediatric Heart Institute

RP32 Process Improvement in Thoracic Organ Donor Retrieval: Implementation of a Donor Assessment Checklist

Resident: Garry Weide

AATS Member/Program Director: Herbert B. Ward *University of Minnesota*

RP33 Surgical Treatment of Double Outlet of Right Ventricle with Absent Pulmonary Valve and Bronchiarctia

Resident: Hui Xue

AATS Member/Program Director: Qingyu Wu First Hospital of Tsinghua University







RP34 Our Initial Experience with CorMatrix ECM for Cardiac Repair

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Resident: Bobby Yanagawa

AATS Member/Program Director: Gideon Cohen *University of Toronto*

RP35 Hybrid Ablation for Persistent Atrial Aibrillation — A True Heart Team Approach to Difficult Clinical Problem

Resident: Michael Zembala

AATS Member/Program Director: Marian Zembala Silesian Center For Heart Diseases

RP36 Exercise Capacity Comparison Between Stentless and Mechanical Valve in Young Adults

Resident: Matteo Pettinari

AATS Member/Program Director: Robert A. Dion *Ziekenhuis Oost-Limburg*

CONGENITAL POSTERS

RP37 Equivalent Intermediate-term Outcomes Following Aortic Valve Replacement Using a Mechanical Prosthesis or Pulmonary Autograft in Adolescents Resident: Bryan Barrus

AATS Member/Program Director: George Hicks *University of Rochester*

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RP38 Contemporaneous Comparison of the Yasui and Norwood Procedures at a Single Institution

Resident: Sergio Carillo

AATS Member/Program Director: Richard Mainwaring Stanford University

RP39 Surgical Evolution of Minimal Invasive Surgery in Approaching Congenital Heart Defect

Resident: Chiara Tessari

AATS Member/Program Director: Stellin Giovanni *University of Padova Medical School*

RP40 (Small) Size Matters: Cardiac Valve Replacement with Prostheses ≤ 20 mm

Resident: Joshua Hermsen

AATS Member/Program Director: Lester C. Permut University of Washington Children's Hospital





RP41 Anatomic Factors Influencing BT Shunt Patency and an Optimized Solution

Resident: David Hoganson

AATS Member/Program Director: Marc Moon *Washington University*

RP42 The Australia and New Zealand Fontan Registry: An Outcomes-based Registry to Improve the Lives of Those Born with a Single Ventricle

Resident: Ajay Iyengar

AATS Member/Program Director: Yves d'Udekem Royal Children's Hospital

RP43 Negative Pressure Dressing for Temporary Sternal Closure in Neonates with Congenital Heart Disease Resident: Mark Joseph
 AATS Member/Program Director: Benjamin Haithcock University of North Carolina – Chapel Hill

RP44 The Cone Technique for Anatomic Repair of
Ebstein's Anomaly of the Tricuspid Valve in
Newborn Infants: Patient Selection Criteria
Resident: Paola Keese Montanhesi

AATS Member/Program Director: Jose Pedro da Silva

AATS Member/Program Director: Jose Pedro da Silva Beneficencia Portuguesa Hospital

RP45 Highly-sensitive Noninvasive Cardiac Transplant
Rejection Monitoring Using Targeted Quantification
of Donor-specific Cell-free Deoxyribonucleic Acid
Resident: Ghulam Murtaza
AATS Member/Program Director: Mario Gasparri
Medical College of Wisconsin

RP46 Does the Benefit Justify the Risk? Mechanical Circulatory Support As a Bridge to Transplantation for Congenital Heart Patients — 15-Year Experience in a Single Institution

Resident: Edward Peng

AATS Member/Program Director: Stephan Schueler *Freeman Hospital*

RP47 Ascending-descending Posterior Pericardial Bypass for Complex Coarctation of the Aorta: The Safer Solution

Resident: Sameh Said

AATS Member/Program Director: K. Robert Shen *Mayo Clinic*





RP48 Initiation of a Home Monitoring Program Improves Interstage Mortality Following the Norwood Procedure

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Resident: Immanuel Turner

AATS Member/Program Director: Richard G. Ohye *University of Michigan*

RP49 Mathematical Analysis of Complex Physiologic Data Improves Determination of Patient Specific Differences in Hypoplastic Left Heart Syndrome

Resident: Melita Viegas

AATS Member/Program Director: Cynthia Herrington University of Southern California – Children's Hospital of LA

GENERAL THORACIC

RP50 CHA2DS2-Vasc Score As a Predictor of Postop Afibrillation in Adult Cardiac Surgery

Resident: Kelechi Abanobi

AATS Member/Program Director: Richard J. Shemin *UCLA*, *David Geffen School of Medicine*

RP51 Implementation and Verification of Synoptic
Operative Report for Lung Cancer
Resident: Mohammed Al Abdulmohsen
AATS Member/Program Director: Colin Schieman
McMaster University

RP52 Minimally Invasive Esophagectomy: Current Status of the University of Pittsburgh Experience

Resident: Melissa Anastacio

AATS Member/Program Director: James D. Luketich University of Pittsburgh Medical Center

RP53 Concordance of Studies for Nodal Staging Is Prognostic for Worse Survival in Esophageal Cancer Resident: Rajeev Dhupar AATS Member/Program Director: Ara Vaporciyan MD Anderson Cancer Center

RP54 Surgical Management of Sternoclavicular Joint Infections: A 20-Year Review Resident: Desmond D'Souza

AATS Member/Program Director: Joseph Sabik Cleveland Clinic







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RP55 Chylothorax: How to Decide Surgical and Nonsurgical Treatment in Simple and Complex Cases?

Resident: Nezih Onur Ermerak

AATS Member/Program Director: Hasan Fevzi Batirel *Marmara University Hospital*

RP56 VAMLA Prior to VATS-lobectomy — A Standard
 Procedure in Treatment of Early Stage Lung Cancer

 Resident: Barbara Erne
 AATS Member/Program Director: Gunda Leschber
 Chest Hospital Berlin

RP57 Is Minimally Invasive Thymectomy a Compromised Approach in the Treatment of Non-thymomatous Myasthenia Gravis: A Meta-analysis?

Resident: David B. Graham

AATS Member/Program Director: Michael Jessen University of Texas Southwestern Medical Center

RP58 Prognostic Impact of Platelet-derived Growth Factors in Early Stage of Non-small Cell Lung Cancer

Resident: Xiao-zheng Kang

AATS Member/Program Director: Ke-neng Chen Beijing Cancer Hospital

RP59 Performance of a Thoracotomy and Cervical
Anastomosis Strongly Predict Pneumonia After
Esophagogastrectomy Using Rigorous Clinical
Swallowing Evaluation
Resident: Jacob Klapper
AATS Member/Program Director: Thomas A. D'Amico

RP60 Successful Lung Transplantation After Donor Lung Reconditioning with Urokinase in Ex Vivo Lung Perfusion System

Resident: Arthur Kostron

Duke University Medical Center

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AATS Member/Program Director: Walter Weder Department Thoracic Surgery Zurich

RP61 Chest Wall Reconstructions Using MatrixRIB Precontoured Plate System

Resident: Micky W.T. Kwok

AATS Member/Program Director: Anthony P.C. Yim Chinese University of Hong Kong



RP62 Involvement of Heparanase in Pleural Empyema: Implication for Novel Therapeutic Approaches

Resident: Moshe Lapidot

AATS Member/Program Director: Lael Anson Best Rambam Health Care Camus

RP63 Bilateral Lung Transplant,Postoperative Pleural Effusion

Resident: Mariano Candioti Lehmann

AATS Member/Program Director: Roberto Rene Favaloro

Favaloro Foundation

RP64 A Randomized Clinical Trial Comparing Ivor Lewis to Sweet Esophagectomy for Esophageal Squamous Cell Carcinoma: Short-term Outcomes

Resident: Bin Li

AATS Member/Program Director: Haiquan Chen Fudan University Shanghai Cancer Center

RP65 Robotic Assisted Thoracic Surgery – Initial Outcome Data of A Developing Program

Resident: Eddie Manning

AATS Member/Program Director: Tomas Salerno *Jackson Memorial Hospital*

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RP66 Esophageal Stents: The UT Experience

Resident: HelenMari Merritt

AATS Member/Program Director: John Calhoon University of Texas at San Antonio Health Science Center

RP67 Increased Ectodomain Shedding of Lungepithelial Cell Adhesion Molecule CADM1 As a Cause of Increased Alveolar Cell Apoptosis in Emphysematous Lung

Resident: Takahiro Mimae

AATS Member/Program Director: Morihito Okada Hiroshima University

RP68 Redo Living-donor Lobar Lung Transplantation for Bronchiolitis Obliterans Associated with Antibodymediated Rejection

Resident: Ei Miyamoto

AATS Member/Program Director: Hiroshi Date *Kyoto University Hospital*





RP69 Chest Wall Reconstruction Using Sternal Plating in Complex Sternal Dehiscence Patients

Resident: Bharat Pancholi

AATS Member/Program Director: Michael J. Liptay Rush University Medical Center

RP70 Lymph Node Metastatic Pathways and Prognosis of Non-small Cell Lung Cancer Located in the Left Lingular Segment

Resident: Kazuhiko Shien

AATS Member/Program Director: Shinichiro Miyoshi *Okayama University Hospital*

RP71 Decreasing the Cervical Anastomotic Leak Rate After Esophagectomy While Reducing Costs and Improving Outcomes

Resident: James Speicher

AATS Member/Program Director: Mark Iannettoni *University of Iowa*

RP72 Normothermic Lung Preservation with EVLP: Do We Need Flush Cooling Prior to Implantation?

Resident: Alessia Stanzi

AATS Member/Program Director: Dirk Van Raemdonck *University Hospitals Leuven*

RP73 Plasma Osteopontin and Recurrence After
Mesothelioma Cytoreductive Surgery
Resident: Christopher Towe

AATS Member/Program Director: Aubrey Galloway NYU Medical Center

RP74 Superior Segmentectomy vs. Lower Lobectomy in Early Stage Non-small Cell Lung Cancer (NSCLC) Patients

Resident: Jeffrey Velotta

AATS Member/Program Director: Frederick Y. Chen *Brigham and Women's Hospital*

RP75 Mimicking the Growth, Metastasis and Stromal Associations of Early-stage Lung Cancer an Innovative Platform to Discover Novel Therapeutic Targets

Resident: Ori Wald

AATS Member/Program Director: Oz M. Shapira *Hadassah University*

RP76 Efficacy of Liposomal Bupivacaine Compared to Paravertebral Catheter in Thoracoscopic Surgery: A New Standard in Post-operative Pain

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Management?

Resident: Trevor Williams

AATS Member/Program Director: Mark K. Ferguson

University of Chicago

RP77 Gene Expression Changes in Human Lungs During Ex Vivo Lung Perfusion – Implications for the Post-transplant Period

Resident: Jonathan Yeung

AATS Member/Program Director: Andrew Pierre

University Health Network

ALLIED HEALTH POSTER COMPETITION

Supported by AATS Graham Foundation

Located in the Exhibit Hall, at the end of Aisle 100 Competition: Sunday, April 27th 5:30 – 7:30 p.m. Viewing Continues Through Monday, April 28th

Take the time to visit the AATS Allied Health Poster Competition with scientific posters presented by allied health professionals from around the world displaying their research findings and/or new and innovative ideas for successful approaches in the management of the cardiothoracic patient. The winner of the Competition will be identified at 8:50 a.m. on Monday, April $28^{\rm th}$ during the award presentations.

AH1 A Multidisciplinary QI Project: Detection and Treatment of Staph Aureus Carriage Preoperatively in Cardiac Surgery Patients

Presenter: Sharon H. Allan

Profession: Clinical Nurse Specialist **Institution:** Johns Hopkins Hospital

AH2 ECMO Post Lung Transplantation in the Thoracic Surgery ICU

Presenter: Louise Caperelli White

Profession: Nurse

Institution: Brigham and Women's Hospital

AH3 Improving Care of Bicuspid Aortic Valve via the Institution of a Specialty Program

Presenter: Colleen Clennon **Profession:** Nurse Clinician

Institution: Northwestern Memorial Hospital

93





in Chest Tube Management

Presenter: Myra Cook

Profession: Clinical Nurse Specialist

Institution: Cleveland Clinic

AH5 From Bedside to Podium; Development of Reflective Insight into Practice for Thoracic Surgery Nurses

Presenter: Carol M. Corbett

Profession: Nursing Staff Educator

Institution: Brigham & Women's Hospital

AH6 A Systematic Consent Process Ensures the Success

of a Cardiothoracic Biobank

Profession: Research Coordinator Institution: University of Arizona

AH7 An Analysis of Early Post-discharge Follow Up on 30-Day Readmission Rates

Presenter: Jason Lightbody
Profession: Physician Assistant

Institution: Montefiore Medical Center

AH8 Deciding About Heart Transplantation or Mechanical Support

Presenter: Jane MacIver

Profession: Nursing

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Institution: University Health Network

AH9 Efficacy of Recruitment Manoeuvre with or Without Antiderecruitment Strategy in ARDS Patients: A

Prospective Study

Presenter: Heera Mahto

Profession: Respiratory Therapist

Institution: School of Allied Health Sciences

AH10 Implementation of Discharge Medication

Reconciliation to Improve Medication Management and Safety on the Thoracic Surgery Unit at Toronto

General Hospital

Presenter: Ryan McGuire **Profession:** Pharmacist

Institution: University Health Network

AH11 An Evaluation of High-fidelity Simulation to Increase the Self-confidence of Nurses to Perform Cardiac Surgical Resuscitation and their Satisfaction

with the Simulation Experience Presenter: Marion E. McRae

Profession: Nurse Practitioner **Institution**: Cedars-Sinai Medical Center

AH12 Hybrid Procedure for HLHS Without Ductal Stent

Presenter: Jorge Molina

Profession: Physician's Assistant

Institution: Childrens Hospital at Saint Francis

Hospital

AH13 Real-time Data Acquisition and Alerts May Reduce Reaction Time and Improve Perfusionist Performance During Cardiopulmonary Bypass

Presenter: Linda B. Mongero

Profession: Perfusion

Institution: New York Presbyterian-Columbia

AH14 Risk and Prevalence of Developmental Delay in Young Children with Congenital Heart Disease

Presenter: Kathleen A. Mussatto

Profession: Nurse Scientist

Institution: Children's Hospital of Wisconsin

AH15 The Safety and Efficacy of Physician Assistants As First Assistant Surgeons in Cardiac Surgery

Presenter: Edward A. Ranzenbach **Profession:** Senior PA Supervisor

Institution: University of California, Davis

AH16 Development and Testing of TAVR Web-based

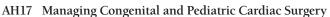
Patient Care Database

Presenter: Charlene Shallow **Profession:** Nurse Practitioner **Institution:** Duke University









Database: The Impact on Clinical Practice and

Quality of Care

Profession: Research coordinator
Institution: The Aga Khan University

AH18 Leading Change: An Innovative Outpatient Model of

Care for the Management of Pleural Effusions

Presenter: Marijana Zubrinic **Profession:** Nurse Practitioner

Institution: Toronto General Hospital





AATS LEARNING CENTER

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Located in the Exhibit Hall, Aisle 1000 Sunday, April 27th at 5:30 p.m. – Tuesday, April 29th

The AATS Learning Center features cutting edge Case Videos of novel procedures and surgical techniques, as well as highlights of the 2014 Aortic Symposium and the 2013 Mitral Conclave.

LC1 – Best of the Aortic Symposium 2014

Presentations will be released at the Annual Meeting

LC2 – Best of the Mitral Conclave 2013

Presentations will be released at the Annual Meeting

LC3 – Aortic Valve Repair & Replacement

- Unconventional Trans-catheter and Open-heart Valve-in-valve Implantation
 Augusto D'Onofrio, Michele Gallo, Roberto Bianco, Giuseppe Tarantini, Massimo Napodano, Giambattista Isabella, Sabino Iliceto, *Gino Gerosa University of Padova, Padova, Italy
- 2. Transcatheter Aortic Valve Replacement via Hybrid Surgical Approach Utilizing Computed Tomographic Angiography Fusion Imaging Luigi Pirelli, Chad A. Kliger, Carlos E. Ruiz, Vladimir Jeinin, Sean Robert Wilson, *Gregory P. Fontana Lenox Hill Heart and Vascular Institute, New York, NY
- 3. Principles of Repair of Quadricuspid Aortic Valve Elsayed M. Elmistekawy, Munir Boodhwani Ottawa Heart Institute, Ottawa, ON, Canada
- 4. "Unfolding" of Retracted Noduli Arantii During Aortic Valve Repair Steffen Pfeiffer¹, Domenico Mazzitelli², *J. Scott Rankin³,

Theodor Fischlein¹

¹Klinikum Nuernberg, Nuremberg, Germany; ²German Heart Center Munich, Munich, Germany; ³Vanderbilt University, Nashville, TN







LC4 - Mitral Valve Repair

The Barlow's Mitral Valve: Simple Repair of a Complex Valve

*A. Marc Gillinov, Stephanie Mick, *Tomislav Mihaljevic, Johannes Bonnati, *Lars Svensson Cleveland Clinic Foundation, Cleveland, OH

2. The Mitral Chordometer: A Novel Device for the Construction of Artificial Chordae During Mitral Valve Repair

Edward Brackenbury, Kasra Shaikhrezai Edinburgh Royal Infirmary, Edinburgh, United Kingdom

3. Repair of Post-infarct Mitral Regurgitation Secondary to Ischemic Papillary Muscle Rupture Daniel H. Enter, William Kent, Patrick McCarthy, Ian Cohen, S. Chris Malaisrie Northwestern, Chicago, IL

4. Patient Specific Simulation of Mitral Valve Repair for Posterior Leaflet Prolapse: Teaching Tool of the Future

Alison F. Ward¹, Liang Ge², William G. Morrel³, Zhihong Zhang², *Eugene A. Grossi¹, *Mark B. Ratcliffe² ¹NYU School of Medicine, New York, NY;²Veterans Affairs Medical Center, San Francisco, CA;³UCSF School of Medicine, San Francisco, CA

LC5 - Cardiac Tumors

Surgical Resection of Pulmonary Artery Angiosarcoma with Reconstruction of Pulmonary Tree

Sebastian A. Iturra¹, Sudir S. Kushwaha²,
*Rakesh M. Suri¹, Kevin L. Greason¹, John M. Stulak¹,
*Richard C. Daly¹, *Soon J. Park¹, *Harold M. Burkhart¹,
*Joseph A. Dearani¹, *Hartzell V. Schaff¹,
*Alberto Pochettino¹, *Lyle D. Joyce¹

¹Mayo Clinic, Rochester, MN; ²Mayo Clinic, Rochester, MN

Pulmonary Artery Sarcoma and Right Ventricle Outflow Tract Reconstruction

Elena Sandoval, David Sánchez, Marc Boada, José Ramírez, Daniel Pereda Hospital Clínic, Barcelona, Spain

3. Primary Pleomorphic Sarcoma of the Left Atrium

Nicolas A. Brozzi, Giselle Hello, Curtis McCarty, Edward Savage Cleveland Clinic Florida, Weston, FL







4. Cardiac Tumor Resection and Repair with Acellular Porcine Xenograft

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*Michael J. Reardon, Tadashi Motomura, Lance N. Blau, Uy Q. Ngo, Brian A. Bruckner Houston Methodist Hospital, Houston, TX

LC6 - Perioperative Care and VADs

I. LVAD Implantation Through Left Thoracotomy: An Alternative Option for the Hostile Cardiac Apex Aldo Cannata, Luca Botta, Giuseppe Bruschi, Michele Mondino, Alessandro Verde, Filippo Milazzo, Maria Frigerio, Luigi Martinelli Niguarda Cà Granda Hospital, Milano, Italy

2. Synergy® Micro-pump Implantation Technique in Patients with Severe Heart Failure

Aron F. Popov¹, Christian Bireta¹, Anton Sabashnikov², Andre R. Simon³, Friedrich A. Schoendube¹
¹University of Goettingen, Goettingen, Germany; ²Royal Brompton and Harefield NHS Trust, Harefield Hospital, London, United Kingdom; ³Harefield Hospital, Royal Brompton & Harefield NHS Foundation Trust, London, United Kingdom

3. Cardiac Surgery Team Simulation Videos The American Society of Extracorporeal Technology (AMSECT)

LC7 - Lung and Mediastinum

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- 1. Video Assisted Thoracoscopic (VATS) Minimally Invasive Trans-axillary First Rib Resection Harmik J. Soukiasian, *Robert Mckenna Cedars-Sinai Medical Center, Los Angeles, CA
- 2. VATS Lobectomy and Supraclavicular Lymph Node
 Dissection in Patient with Paraneoplastic Syndrome
 Samina Park, Chang Hyun Kang, Yoohwa Hwang,
 Hye-seon Kim, Jae Hyun Jeon, In Kyu Park,
 Young Tae Kim
 Seoul National University Hospital, Seoul, Republic of Korea
- 3. Uniportal VATS Lobectomy After Neoadjuvant Chemoradiation for N2 Lung Cancer Jae Ho Chung, Yong Soo Choi Samsung Medical Center, Seoul, Republic of Korea
- 4. Robotic Thymectomy for Locally Advanced Thymoma
 Joyce A. Bonitz, Julie Y. Son, *Bernard J. Park

Hackensack University Medical Center, Hackensack, NJ

*AATS Member



99

LC8 – Esophagus

- 1. Two Options for the Surgical Therapy of Adenocarcinoma of the Esophagus and Cardia (ADEC): A Modulated Resection + Extended Lymphoadenectomy, the Gastric Pull Up at the Thoracic Dome or the Roux-en-Y Esophago-jejunostomy at the Azygos Vein Level
 *Sandro Mattioli, Alberto Ruffato, Vladimiro Pilotti, Luca Ferruzzi, Marialuisa Lugaresi
 Maria Cecilia Hospital, University of Bologna, Bologna, Italy
- 2. Laparoscopic Resection of Epiphrenic Diverticulum Awais Ashfaq, Dawn E. Jaroszewski, Kristi Harold Mayo Clinic, Phoenix, AZ
- Approaches to Minimally Invasive Resection of Gastroesophageal Leiomyoma
 *M. Blair Marshall, Nadime Haddad MedStar Georgetown University Hospital, Washington, DC
- 4. Robot-assisted Esophageal Epiphrenic
 Diverticulectomy with Esophagomyotomy
 Jae Hyun Jeon, Chang Hyun Kang, Yoohwa Hwang,
 Hye-seon Kim, In Kyu Park, Young Tae Kim
 Seoul National University Hospital, Seoul, Republic of Korea

LC9 - Congenital

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- 1. Double Root Translocation Technique
 *Shengshou Hu
 National Center for Cardiovascular Disease, China & Fuwai Hospital, Beijing, China
- 2. The Hemi-mustard/Bidirectional Glenn Along with a Rastelli Procedure for Congenitally Corrected Transposition /Left Ventricular Outflow Tract Obstruction with Positional Heart Anomalies Shoujun Li¹, Zhongdong Hua¹, Keming Yang¹, Xu Wang², Fuxia Yan¹, Jinping Liu¹, Kunjing Pang¹, Junmin Chu¹, Hao Zhang¹, Kai Ma¹, *Shengshou Hu¹¹Fuwai Hospital, Peking Union Medical College & Chinese Academy of M, Beijing, China; ²Fuwai Hospital, Peking Union Medical College & Chinese Academy of M, Beijing, China
- 3. Sutureless Repair for Congenital Right Pulmonary Venous Atresia Presenting with Recurrent Hemoptysis Reda Kasdi, Mathieu Vergnat, Emre Belli Marie Lannelongue Hospital/M3C, Le Plessis-Robinson, France





4. Double Aortic Arch with Tracheomalacia Tracheal Resection

Tsvetomir Loukanov, Jörg Rodrian, Christian Sebening, Matthias Gorenflo, Matthias. Karck University of Heidelberg, Heidelberg, Germany

Repair of Taussig-bing Anomaly with Interrupted Aortic Arch Type A Without LeCompte Manoeuver in a Newborn

Rudolf Poruban¹, Diana Jaramillo Fajardo², Martin Kostolny² ¹The National Institute of Cardiovascular Diseases, Bratislava, Slovakia; ²Great Ormond Street Hospital, London, United Kingdom





AATS SURGEON OF THE FUTURE

Located in the exhibit hall, the AATS Surgeon of the Future (SOF) display features an innovative, state-of-the-art functional lab showcasing the latest equipment for the hybrid environment and a program of speakers who will discuss their real life clinical experiences with TAVR, TEVAR, Percutaneous MV, MIDCAB + PCI, VATS, and general thoracic hybrid procedures.

Hybrid operating suites are one of the most important innovations in the treatment environment of cardiovascular disease in the last decade. The integration of high-quality imaging modalities during endovascular procedures, combined with traditional open surgical theater, and intertwined with information/imaging provided by the electronic medical record offers a unique opportunity for the Surgeon of the Future.

Through video presentations and simulations/demonstrations using the equipment on display in the Functional Lab to illustrate procedures, the Surgeon of the Future expert speakers will provide valuable lessons for all surgeons and medical affiliates visiting the display. The SOF talks are scheduled to take place during the Opening Reception on Sunday evening, and during breaks and lunch in the exhibit hall on Monday and Tuesday.

Vinod H. Thourani, is the Surgeon of the Future Project Director and Siemens Healthcare is the lead company for the SOF Functional Lab.



SURGEON OF THE FUTURE PROGRAM

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Sunday, April 27

5:40 - 6:15 p.m. TEVAR

Eric Roselli, Cleveland Clinic

6:20 - 7:00 p.m. TAVR

Hersh Maniar, Washington University

School of Medicine

Monday, April 28

9:05 - 9:25 a.m. EBUS

Kazuhiro Yasufuku, Toronto General

Hospital

9:25 - 9:45 a.m. iVAT

Raphael Bueno, Brigham & Women's

Hospital

12:20 - 12:55 p.m. TEVAR

Ali Khoynezhad, Cedars-Sinai Heart

Institute

12:55 - 1:25 p.m. TAVR

Thomas G. Gleason, University of

Pittsburgh Medical Center

1:25 - 1:55 p.m. EMR

Steven Demeester, USC Department of

Surgery

3:05 - 3:25 p.m. Hybrid CABG

Michael Halkos, Emory University School

of Medicine

3:35 – 3:55 p.m. Navigational Bronchoscopy

Rafael Andrade, University of Minnesota

Tuesday, April 29

10:15 - 10:35 a.m. TEVAR

Bradley Leshnower, Emory University

School of Medicine

12:40 - 1:10 p.m. TAVR

Mathew R. Williams, Columbia

University

1:10 - 1:30 p.m. Hybrid CABG

Robert Poston, University of Arizona

Medical Center







103



Gorav Ailawadi, University of Virginia

3:25 - 3:45 p.m. Percutaneous MV

Vinod Thourani, Emory University

School of Medicine

3:50 - 4:10 p.m. SBRT

Matthew Schuchert, University of

Pittsburgh Medical Center

LUNCHES

Saturday, April 26

Luncheon Symposium, "The Development of a Surgeon"

Guest Speaker: Delos M. Cosgrove, Cleveland Clinic

Foundation

Time: 12:00 p.m. – 1:30 p.m.

Location: Exhibit Hall C

Who should attend? All registered attendees for the

Saturday Courses.

Sunday, April 27

Legends Luncheons

Adult Cardiac Legends Luncheon

Guest Speaker: *Alain F. Carpentier, Hôpital Européen

Georges-Pompidou

Moderators: *David H. Adams, Mount Sinai Medical

Center

Randolph P. Martin, Piedmont Heart

Institute

Time: 12:00 p.m. – 1:00 p.m.

Location: Exhibit Hall C

Who should attend? Anyone who is registered for the

Sunday Postgraduate Courses.

Congenital Heart Disease Legends Luncheon

Guest Speaker: *Aldo R. Castaneda, UNICAR –

Fundacion Aldo Castaneda

Moderators: *Ivan M. Rebeyka, University of Alberta

Time: 12:00 p.m. – 1:00 p.m.

Location: 105

Who should attend? Anyone who is registered for the

Sunday Postgraduate Courses.







General Thoracic Legends Luncheon

Guest Speaker: *F. Griffith Pearson, Toronto General

Hospital

Moderator: * G. Alec Patterson, Washington

University

Time: 12:00 p.m. – 1:00 p.m.

Location: 107

Who should attend? Anyone who is registered for the

Sunday Postgraduate Courses.

Monday, April 28 **

Cardiothoracic Residents' Luncheon

Time: 12:30 p.m. – 2:00 p.m.

Location: Metro Toronto Convention Centre,

Room 206

Who should attend? Residents/Fellows and Medical

Students only. Pre-registration is

required.

Ethics Forum Luncheon, "Can a Physician Ever Justifiably

Euthanize a Severely Disabled Newborn?"

Time: 12:30 p.m. – 2:00 p.m.

Location: 202BD

Who should attend? This is a ticketed event, open to all

registered attendees who pre-register for it. Please make sure you preregister as seats are limited.

Lunch Symposium: Patient Preference in Treatment

Options: Is the Customer Always Right?
Time: 12:30 p.m. - 2:00 p.m.

Location: Exhibit Hall

Who should attend? All registered attendees.

(seats are limited)

**Lunch will be available for purchase in the Exhibit Hall on Monday, April 28 and Tuesday, April 29. Professional registrants will be provided with a coupon (\$10 value) found with their name badge to offset the cost of lunch. Complimentary morning and afternoon coffee breaks will also be held in the Exhibit Hall.





EXHIBITOR LISTING

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www.acuteinnovations.com

(lacktriangle)

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The Company's mission is to make a difference to patients' lives.

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AME Publishing Company

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The *Annals of Cardiothoracic Surgery* is a bi-monthly peer-reviewed publication, dedicated to the field of cardiothoracic surgery. Each issue is over-seen by a special Guest Editor and features operative videos provided by renowned surgeons. The Journal of Thoracic Disease is a bi-monthly, international, SCI/Pubmed-indexed journal with a primary focus on thoracic disease.

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Biomet Microfixation is a leading global healthcare provider of orthopedic products. Our thoracic portfolio includes the Pectus Bar for repair of Pectus Excavatum and the SternaLock Blu Primary Closure System for sternal closure. The Blu System aligns and stabilizes the sternum after sternotomy and enables easier closure after minimally invasive access.

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Bolton Medical is a subsidiary of the Werfen Life Group. Werfen Life Group is an international company that manufactures and distributes medical diagnostic solutions and medical devices worldwide. Bolton Medical sells endovascular therapies for thoracic repair, such as Relay Thoracic Stent-Graft in both U.S. and International markets and Relay NBS (non-bare stent) in International markets.

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201

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The Cardiovascular Research Foundation (CRF) is an independent, academically focused nonprofit organization dedicated to improving the survival and quality of life of people with cardiovascular disease through research and education. CRF hosts the annual Transcatheter Cardiovascular Therapeutics (TCT) which is the world's largest and most important educational meeting specializing in interventional cardiovascular medicine. For 25 years, TCT has been the center of cutting-edge educational content.

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635

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CorMatrix® Cardiovascular markets its ECM® Technology biomaterial devices for pericardial repair, cardiac tissue repair, and vascular repair and is currently conducting preclinical studies to evaluate future applications in heart failure as well as other cardiovascular applications.

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112

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The EACTS is the largest European Association devoted to the practice of Cardio-thoracic surgery. The main objects of the Association are to advance education in the field of cardio-thoracic surgery and to promote, for the public benefit, research into cardiovascular and thoracic physiology and therapy and to correlate and disseminate the useful results thereof. www.eacts.org

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119



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1427

320 Wakara Way, Salt Lake City, UT 84108

Myriad Genetics is a leading molecular diagnostic company dedicated to making a difference in patients' lives through the discovery and commercialization of transformative tests to assess a person's risk of developing disease, guide treatment decisions and assess risk of disease progression and recurrence. Myriad's portfolio of molecular diagnostic tests are based on an understanding of the role genes play in human disease and were developed with a commitment to improving an individual's decision making process for monitoring and treating disease. Myriad is focused on strategic directives to introduce new products, including companion diagnostics, as well as expanding internationally.

www.myriad.com

Novo Surgical

1420

700 Commerce Drive Suite 500 No. 18, Oak Brook, IL 60523 Novo Surgical is a medical device company offering a comprehensive line of premium, specialty surgical instrumentation. The company's portfolio contains more than 10,000 instruments used by leading healthcare providers worldwide, with a focus on institutions specializing in cardiothoracic, plastic, sinus, ophthalmic, arthroscopic and micro surgery. Novo Surgical also specializes in custom instrument design and manufacture. www.novosurgical.com



Olympus Medical Systems Group

1510

3500 Corporate Parkway, POB 610, Center Valley, PA 18034-0610 Olympus is advancing minimally invasive surgical solutions designed to help Thoracic Surgeons improve clinical outcomes through our innovative world's only imaging technologies. Our commitment to clinical support, professional education, flexible service and financing packages, and knowledgeable local account management make Olympus the partner of choice. www.olympus medical systems grouphealth.org

On-X Life Technologies, Inc.

429

1300 E. Anderson Lane, Building B, Austin, TX 78752 On-X® Heart Valves: Patented natural design and On-X® Carbon offer reduced turbulence in a mechanical valve to rival the clinical and hemodynamic performance of bioprostheses. FDA IDE approved PROACT (Prospective Randomized On-X® Anticoagulation Clinical Trial) is in progress. Chord-X PTFE suture is available for mitral valve repair.

www.on-x life technologies, inc.usa.com

Orascoptic Research

1141

3225 Deming Way #119, Middleton, WI 53562 Orascoptic designs and manufactures high-performance magnification loupes for surgeons and other healthcare professionals. Renowned for quality craftsmanship, Orascoptic loupes deliver remarkable resolution over a deep and wide viewing field. Superior visualization is achieved through innovative, lightweight optics made from only the finest grade of glass. With six different telescopes models to choose from, each available on a variety of frame styles and colors, Orascoptic offers one of the most comprehensive portfolios of magnification eyewear in the healthcare industry.

www.orascoptic.com

Oxford University Press

198 Madison Ave, New York, NY 10016

124

OUP publishes some of the most respected medical books and journals in the world, including the three journals of the European Association for Cardio-Thoracic Surgery. Visit our stand to browse books and pick up journal sample copies. www.oxford university presshealth.org

Peters Surgical

428

Péters Surgical develops, manufactures and distributes medical devices worldwide. This French company was founded in 1926 and has continued to grow. Today Péters Surgical has four operating locations all maintaining a high standard of quality and service. Offering specialized cardiac suture brands Corolene, Cardioxyl, Cardionyl, and now introducing Cardioflon Evolution. www.peters-surgical.com







Pinnacle Biologics, Inc.

338

2801 Lakeside Drive, Suite 209 Bannockburn, IL 60015 Pinnacle Biologics, Inc. specializes in revitalizing healthcare therapies by promoting, developing, and managing innovative approaches to the commercialization of products with a focus on oncology and orphan diseases. PD T with Photofrin® is an effective therapy for select thoracic malignancies. www.pinnaclebiologics.com

1426 Qualiteam

Casale Nassio Sopra 15A, Chiaverano TO, 10010 Qualiteam designs products to improve the postoperative recovery process. Our dual-functional sternum and breast supports are unlike any other, and are the most comfortable, effective external supports available that assist the healing sternum, prevent sternal infections, decrease postoperative pain and pulmonary complications, and ultimately decrease health care costs. www.qualiteamhealth.org

Quest Medical Inc.

529

One Allentown Parkway, Allen, TX 75002-4211 Quest Medical, Inc. is a medical device manufacturer and worldwide distributor specializing in protecting the heart during cardiac surgery with the Quest MPS 2® and Microplegia. Quest also offers a unique variety of aortic punches, safety valves, vascular loops, and an anesthesia line designed for optimum cardiovascular surgery. www.questmedical.com

Rose Micro Solutions

1039

4105 Seneca Street, West Seneca, NY 14224 Rose Micro Solutions sells High Quality Optical Loupes & LED Lights for Less! Loupes starting @ \$279.00. We are a "Family" business consisting of 4 Brothers. We named the company after our mother "ROSE". www.rose micro solutionshealth.org

RTI Surgical 1238

375 River Park Circle, Marquette, MI 49855

RTI Surgical is a leading global surgical implant company providing surgeons with safe biologic, metal and synthetic implants. Committed to advancing science, safety and innovation, RTI's implants are used in sports medicine, general surgery, spine, orthopedic, trauma and cardiothoracic procedures and are distributed in more than 47 countries.

www.rtisurgical.com





Rultract/Pemco Inc.

1326

5663 Brecksville Road, Cleveland, OH 44131-1593
Since 1955 Pemco has designed and manufactured precision surgical instruments for the cardiovascular field. Pemco has documented that Perfusion Cannula, Coronary Ostial Cannula and Cardiac Suckers offer significant cost savings over disposables. Additional products include reusable Subclavian and Femoral Cannula, Anesthesia Screens and the Rultract Retractor. www.rultractpemco.com

Sanofi Biosurgery

435

55 Cambridge Parkway, Cambridge, MA 2142

Sanofi Biosurgery is a global strategic business unit of Sanofi. It develops and markets innovative, biologically based products for osteoarthritis relief, adhesion prevention, temporary endovascular occlusion of blood vessels, cartilage repair, and severe burn treatment. Sanofi Biosurgery is committed to transforming disease management through innovative medical interventions. http://www.sanofi.com/

Scanlan International, Inc.

416

One Scanlan Plaza, St. Paul, MN 55107

Highest quality surgical products designed and manufactured by the Scanlan family since 1921. Over 3000 titanium and stainless steel precision instruments including: VATS/MIS thoracoscopic instruments, Scanlan® SUPER CUT™ Scissors, and Scanlan® LEGACY titanium needle holders and forceps. Single-use products include Aorta/Vein Punches, VASCU-STATT® bulldog clamps and graft markers. www.scanlan international, inc.health.org

Siemens Healthcare, Inc.

1415

51 Valley Stream Parkway, Malvern, PA 19355

The Siemens Healthcare Sector is one of the world's largest suppliers to the healthcare industry and a trendsetter in medical imaging, laboratory diagnostics, medical information technology and hearing aids. With over 225 installations in US (over 500 worldwide), Siemens is a leading provider of imaging systems for the Hybrid OR.

www.siemensmedicalsolutionsusa.com

Society for Heart Valve Disease

300

500 Cummings Center, Ste. 4550, Beverly, MA 01915
The SHVD, which promotes research and education regarding the causes, prevention, and treatment of heart valve disease, is comprised of individuals dedicated to improving heart valve disease in the global population, including cardiologists, cardiothoracic surgeons, researchers, allied health professionals, students, and institutional representatives. The Society holds biennial meetings in conjunction with the Heart Valve Society of America (HVSA).

www.shvd.org





601

Society of Thoracic Surgeons

633 N St Clair, Chicago, IL 60611

STS represents more than 6,700 cardiothoracic surgeons, researchers, and allied health care professionals worldwide. The Society offers many valuable member benefits, including reduced participation fees in the renowned STS National Database, a complimentary subscription to the prestigious Annals of Thoracic Surgery, dynamic educational offerings, and more. Stop by booth #601.

www.societyofthoracic.com

Sontec Instruments Inc.

1114

7248 South Tucson Way, Centennial, CO 80112

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.

www.sontecinstruments.com

Sorin Group

14401 W. 65th Way, Arvada, CO 80004

Sorin Group is a world leader in the treatment of cardiovascular diseases. Our innovative product portfolio includes aortic and mitral valve replacement and repair, perfusion equipment, cannula and MICS instruments. For more information visit our web site at www.sorin.com.

www.sorin.com

St. Jude Medical, Inc.

419

113

1 St. Jude Medical Drive, St. Paul, MN 55117 St. Jude Medical is dedicated to transforming the treatment of some of the world's most expensive, epidemic diseases by creating cost-effective medical technologies that save and improve lives of patients around the world.

www.sjmprofessional.com

STS Advocacy Center

600

20 F. St. NW, Washington, DC 20001

Stop by STS Advocacy Center Booth #600 where you can receive timely information on federal legislation and regulations impacting your practice, obtain tools to engage members of Congress, and become a Key Contact for cardiothoracic surgery. STS members can also contribute to STS-PAC and support friends of cardiothoracic surgery in Congress.

www.sts.org





Surge Cardiovascular

1327

3825 Commerce Drive, St. Charles, IL 60174

Surge Cardiovascular designs, develops, manufactures, and markets a wide range of open heart surgical products for cardiothoracic procedures. The company serves commercial acute care hospitals, federal government facilities, and provides OEM operations. The Surge Cardiovascular portfolio is CE Marked and distributed across North America, South America, Europe, and Asia.

www.surgecardiovascular.com

Surgitel/General Scientific Corp

1319

77 Enterprise Drive, Ann Arbor, MI 48103

SurgiTel designs and manufactures premium loupes, headlights and accessories that are sold around the world. SurgiTel has received multiple awards for its exclusive, patented innovations in lens, prism and LED technologies. SurgiTel leads the field in health and safety with custom-angle ergonomic TTL/FLM loupes plus LED headlights with low blue peaks avoiding blue light hazard. SurgiTel helps clinicians avoid neck and back pain and avoid eye stress strain and injury, extending careers and making the day more comfortable. Visit SurgiTel today for special show pricing and receive full service with warranties on each product and continuing support from your local SurgiTel Representative. www.surgitel/general scientific corphealth.org

SynCardia Systems, Inc.

1234

1992 E Silverlake Drive, Tucson, AZ 85713

The SynCardia temporary Total Artificial Heart (TAH-t) is the world's only FDA, Health Canada and CE approved Total Artificial Heart. It is approved as a bridge to transplant for patients dying from end-stage biventricular failure. Visit our booth for updates on the Freedom® portable driver, 50 cc TAH-t and expanding usage.

www.syncardiasystems.com

Terumo Cardiovascular Systems

319

6200 Jackson Road, Ann Arbor, MI 48103

Vascutek, a Terumo company, will display Gelweave™ gelatinsealed, woven and branched vascular grafts. The Vascutek CE-marked Thoraflex™ Hybrid device will also be featured (Not cleared for sale in the USA). Terumo will display the Virtuo-Saph® Plus Endoscopic Vessel Harvesting System, Beating Heart and Surgical Stabilization products for cardiothoracic procedures, and Terumo® Perfusion Products and Cannulae. www.terumo cardiovascular systemshealth.org





Thomas D. Morris, Inc.

1436

4001 Millender Mill Road, Reisterstown, Maryland 21136
Biomedical Research and Training Center, Custom Solutions to
it any need, USDA Licensed Research and Animal Production
Facility, AAALAC Accredited, FDA GLP Capabilities, State-ofthe-Art Surgical and Training Facilities, Device Validation and
Verification, Model Development, 45 minutes from BaltimoreWashington Airport

www.thomasdmorris.com

Thompson Surgical Instruments, Inc.

130

10170 East Cherry Bend Road, Traverse City, MI 49684 Thompson Surgical is the leader in exposure. In cardiovascular surgery, surgeons will benefit from the Bolling Retractor. The Bolling Retractor provides low profile, stable, Uncompromised Exposure of the heart for valve procedures. We understand the value of exposure and provide innovative, high quality systems delivering safe, versatile, low-profile retraction. www.thompsonsurgical.com

Thoracic Surgery Foundation for

700 & 701

Research and Education 633 N. St Clair, Chicago, IL 60611

TSFRE was established in 1988 as a 501c(3) not-for-profit charitable organization by the four leading thoracic surgery societies: AATS, STS, STSA, and WTSA. TSFRE's mission is to foster the development of surgeon scientists in cardiothoracic surgery; increasing knowledge and innovation to benefit patient care. www.tsfre.org

Thoramet Surgical Products

1330

301 Route 17 N, Suite 800, Rutherford, NJ 7070
The Surgeon's choice for VATS instrumentation! We offer the

The Surgeon's choice for VATS instrumentation! We offer the most extensive catalog of pure thorascopic patterns available anywhere. The feel you want, the actuation you need, the patterns you demand! Come see our unique versatility and new instruments!

www.thoramet surgical productsusa.com

Thoratec Corporation

628

6035 Stoneridge Drive, Pleasanton, CA 94588

Thoratec is the world leader in mechanical circulatory support with the broadest product portfolio to treat the full range of clinical needs for patients suffering from advanced heart failure. Thoratec's products include the HeartMate LVAS, Thoratec VAD, CentriMag and PediMag/PediVAS.

http://www.thoratec.com







138

Transonic Systems Inc.

34 Dutch Mill Rd., Ithaca, NY 14850

Transonic's AureFlo® Surgical-QA System is used during surgery with Transonic's newest Optima Flowmeter and Perivascular Flowprobes to measure, display, capture and document absolute volume flow in vessels. This new system provides unprecedented accuracy at low flows. Obtain peace of mind by measuring blood flow just prior to approximation with Transonic transit-time ultrasound flow measurement technology.

www.transonic.com

Vitalcor, Inc./Applied Fiberoptics

234

100 E. Chestnut Avenue, Westmont, IL 60559

Latex Free Coronary Artery Balloon Canulae with self-inflating Balloon (3-year shelf life). Reusable Dingo (Bulldog) Clamp. Titanium and stainless steel specialty instruments and retractors. Reusable stabilizer for Beating Heart Surgery and Mitral Valve Retractor. Applied Fiberoptics: Gemini Plus headlight with video (soon). The low profile design, which does not interfere with loupes. Larger spot size and brighter light output. Eliminates the ramming effect during surgery. LED light source with 20,000+ hours.

www.vitalcor.com

(lacktriangle)

Vitalitec 1221

10 Cordage Park Circle, Suite 100, Plymouth, MA 2360 Vitalitec Geister is presenting SLS^{TM} and 9^{TM} Ligation Clip Systems, Intrack® Atraumatic Clamps, Cygent® Flexible Clamps. The Greyhound M, Novaclip M and Sofia M bulldogs as well as highlighting Enclose II Anastomosis Assist Device. The Geister® open and Valve Gate® MIS CV instrumentation. Innovative, high quality products with excellent service .

Wake Forest Innovations

www.vitalitecusa.com

239

200 East 1street – Box #2, Winston-Salem, NC 27101 Preclinical Translational Services is a full-service CRO and offers surgical training and consulting. CRO services focus on proof-of-principle, method development, and efficacy testing in the preclinical medical technology research arena. We offer pre-surgical bench analysis, ex-vivo modeling, dynamic imaging and surgical models in all specialties. Surgical training is provided in multiple fields and species. From concept to clinical applications, PTS is your innovation partner.

www.WakeForestInnovations.com



Wexler Surgical, Inc.

927

11333 Chimney Rock Road Suite #110, Houston, TX 77035 Wexler Surgical designs and manufactures a variety of titanium and stainless steel specialty surgical instruments and products for Cardiac, Vascular, Thoracic, and Micro Surgery. Come see our VATS/MICS instruments and ask about our Optimus Series. Visit us online at www.wexlersurgical.com for more information about our products and services. www.wexlersurgical.com

Wolters Kluwer Health

139

2001 Market Street, Philadelphia, PA 19103
Walters Kluwer Health is a leading intern

Wolters Kluwer Health is a leading international publisher of medical books, journals, and electronic media. We proudly offer specialized publications and software for physicians, nurses, students and clinicians. Please visit our booth to browse our comprehensive product line.

www.lww.com

World Society for Pediatric and Congenital Heart

939

2300 Tupper Street Room C8-29, Montreal, QC h3h1p3
The mission of the World Society for Pediatric and Congenital
Heart Surgery is to promote the highest quality comprehensive
cardiac care to all patients with congenital heart disease, from
the fetus to the adult, regardless of the patient's economic
means, with an emphasis on excellence in teaching, research and
community service.

www.wspchs.org

Thank you exhibitors and supporters. AATS appreciates your support.







EXHIBITOR PRODUCT SERVICE LISTING

CATEGORY LISTING	COMPANY	Воотн
Aireway Management Products	Hsiner Co., LTD.	1441
Annuloplasty	Edwards Lifesciences	613
Devices	Medtronic, Inc.	813
Aortic Punches	A&E Medical	1110
	Genesee BioMedical, Inc.	118
	Quest Medical	529
	Wexler Surgical, Inc.	927
Association, Foundations,	Cardiovascular Research Foundation	201
Societies	World Society for Pediatric and Congenital Heart Surgery (WSPCHS)	939
Balloon Pumping	MAQUET Medical Systems	1419
Blood Monitoring	Edwards Lifesciences	613
Systems	Medtronic, Inc.	813
	Siemens Healthcare	1415
	Terumo	319
Blood Recovery Systems	Clear Flow, Inc.	334
Cannulae	Edwards Lifesciences	613
	Hsiner Co., LTD.	1441
	Medos Medizintechnik AG	1035
	Medtronic, Inc.	813
	Pemco Inc.	1326
	Quest Medical	529
	Terumo	319
Cardiac (Adult)	Acute Innovations	129
Surgery	Admedus	1311
	ATMOS Inc.	238
	AtriCure, Inc.	123
	Biomet Microfixation	1111
	Clear Flow, Inc.	334
	Cormatrix Cardiovascular, Inc.	635
	Covidien	535
	CryoLife	627
	Edwards Lifesciences	613





CATEGORY LISTING	COMPANY	Воотн
Cardiac (Adult) Surgery	Fehling Surgical Instruments	1034
	Genesee BioMedical, Inc.	118
	Heart Hugger/Gen'l Cardiac Technology	1418
	JOMDD, Inc.	336
	Kapp Surgical Instrument Inc.	1134
	Karl Storz Endoscopy- America, Inc.	1227
	LSI Solutions	1138
	Medistim	1120
	Medos Medizintechnik AG	1035
	Methapharm	1440
	MT Medi Corp.	1135
	On-X Life Technologies, Inc.	429
	Pemco Inc.	1326
	Quest Medical	529
	Sanofi Biosurgery	435
	Siemens Healthcare	1415
	SynCardia Systems, Inc.	1234
	Terumo	319
	Vitalitec	1221
	Wexler Surgical, Inc.	927
Cardiopulmonary	Fehling Surgical Instruments	1034
Bypass Products	Karl Storz Endoscopy- America, Inc.	1227
	MAQUET Medical Systems	1419
	Medos Medizintechnik AG	1035
	Medtronic, Inc.	813
	Pemco Inc.	1326
	Terumo	319
Cardiovascular	Acute Innovations	129
Products	Admedus	1311
	Biomet Microfixation	1111
	Clear Flow, Inc.	334
	Cormatrix Cardiovascular, Inc.	635
	Covidien	535
	CryoLife	627
	Fehling Surgical Instruments	1034

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CATEGORY LISTING	COMPANY	Воотн
Cardiovascular	JOMDD, Inc.	336
Products	Kapp Surgical Instrument Inc.	1134
	Mani, Inc.	122
	Medistim	1120
	Medtronic, Inc.	813
	Methapharm	1440
	Pemco Inc.	1326
	Qualiteam SRL	1426
	Quest Medical	529
	Sanofi Biosurgery	435
	Terumo	319
	Thompson Surgical Instruments, Inc.	130
	Thoratec Corporation	628
	Wexler Surgical, Inc.	927
Carioplegia Delivery Systems	Quest Medical	529
Cardiovascular Products	Karl Storz Endoscopy- America, Inc.	1227
Catheters	Clear Flow, Inc.	334
	Hsiner Co., LTD.	1441
	Quest Medical	529
Chest Drainage	ATMOS Inc.	238
Products	Clear Flow, Inc.	334
	MAQUET Medical Systems	1419
	Medela, Inc.	1115
Computer Software	Siemens Healthcare	1415
Congenital Surgery	Admedus	1311
,	Clear Flow, Inc.	334
	Cormatrix Cardiovascular, Inc.	635
	CryoLife	627
	Fehling Surgical Instruments	1034
	Genesee BioMedical, Inc.	118
	Karl Storz Endoscopy- America, Inc.	1227
	Methapharm	1440
	MT Medi Corp.	1135
	SynCardia Systems, Inc.	1234
	Wexler Surgical, Inc.	927



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CATEGORY LISTING	COMPANY	Воотн
Coronary	Medistim	1120
Angioplasty	MT Medi Corp.	1135
	Siemens Healthcare	1415
Cryo-preserved Tissue	CryoLife	627
Education Programs	Biomet Microfixation	1111
	Cardiovascular Research Foundation	201
	Medtronic, Inc.	813
Elastomeric Post-surg	ical Pain Pump	
Electrosurgical Devices	Covidien	535
Endoscopic	Covidien	535
Systems/Products	LSI Solutions	1138
	MAQUET Medical Systems	1419
	Terumo	319
Headlights and	Designs For Vision, Inc.	935
Accessories	Enova Illumination	1435
	LoupeCam by VizVOCUS Inc.	1434
	Sontec Instruments Inc.	1114
	Surgitel/General Scientific Corp.	1319
Heritage of Innovation	n Display	
Hybrid OR	Covidien	535
Imaging Systems/ Equipment	Karl Storz Endoscopy- America, Inc.	1227
	LoupeCam by VizVOCUS Inc.	1434
	Medistim	1120
	Siemens Healthcare	1415
	Surgitel/General Scientific Corp	1319
Implantable	Acute Innovations	129
Devices	Admedus	1311
	Biomet Microfixation	1111
	Cormatrix Cardiovascular, Inc.	635
	CryoLife	627
	Edwards Lifesciences	613
	Genesee BioMedical, Inc.	118
	Gore & Associates	1339
	SynCardia Systems, Inc.	1234
	Vitalitec	1221









CATEGORY LISTING	Company	Воотн
Infection Control Products	Clear Flow, Inc.	334
	ConvaTec	1213
	Heart Hugger/Gen'l Cardiac Technology	1418
	Quest Medical	529
Mechanical	MAQUET Medical Systems	1419
Circulatory Assistance	Medos Medizintechnik AG	1035
rissistance	SynCardia Systems, Inc.	1234
	Thoratec Corporation	0628
Minimally Invasive	AtriCure, Inc.	123
Cardiac Surgery	Biomet Microfixation	1111
	Cormatrix Cardiovascular, Inc.	635
	Covidien	535
	Edwards Lifesciences	613
	Fehling Surgical Instruments	1034
	Genesee BioMedical, Inc.	118
	Kapp Surgical Instrument Inc.	1134
	Karl Storz Endoscopy- America, Inc.	1227
	LSI Solutions	1138
	Medistim	1120
	Medos Medizintechnik AG	1035
	Medtronic, Inc.	813
	Methapharm	1440
	Pemco Inc.	1326
	Siemens Healthcare	1415
	Vitalitec	1221
	Wexler Surgical, Inc.	927
Myocardial	Genesee BioMedical, Inc.	118
Protection	Methapharm	1440
	Quest Medical	529
Non-Invasive	Hsiner Co., LTD.	1441
Surgical Products	LSI Solutions	1138
	Pemco Inc.	1326
Occlusion Devices	AtriCure, Inc.	123
	MAQUET Medical Systems	1419
	Sanofi Biosurgery	435
	Vitalitec	1221





CATEGORY LISTING	COMPANY	Воотн
Operating Room Equipment	Enova Illumination	1435
	Karl Storz Endoscopy- America, Inc.	1227
	MAQUET Medical Systems	1419
	Medistim	1120
Pain Management	Acute Innovations	129
	Heart Hugger/Gen'l Cardiac Technology	1418
	Qualiteam SRL	1426
Pectus Excavatum	Medistim	1120
Repair Perfusion	Medos Medizintechnik AG	1035
	Medtronic, Inc.	813
	Methapharm	1440
	Pemco Inc.	1326
	Quest Medical	529
	Terumo	319
Plasma Products	Oxford University Press	124
Publishers	Wolters Kluwer Health	139
	World Society for Pediatric and Congenital Heart Surgery (WSPCHS)	939
Stents	Gore & Associates	1339
	MAQUET Medical Systems	1419
	Medtronic, Inc.	813
Sternal Closure	A&E Medical	1110
Systems	Acute Innovations	129
	Biomet Microfixation	1111
	Dallen Medical	136
	Heart Hugger/Gen'l Cardiac Technology	1418
	Mani, Inc.	122
Sternal Support	RTI Surgical Inc.	1239
Systems	Genesee BioMedical, Inc.	118
	Heart Hugger/Gen'l Cardiac Technology	1418
	Qualiteam SRL	1426











CATEGORY LISTING	COMPANY	Воотн
Surgical Instruments	AtriCure, Inc.	123
	Biomet Microfixation	1111
	Covidien	535
	Fehling Surgical Instruments	1034
	Genesee BioMedical, Inc.	118
	JOMDD, Inc.	336
	Kapp Surgical Instrument Inc.	1134
	Karl Storz Endoscopy- America, Inc.	1227
	LSI Solutions	1138
	Mani, Inc.	122
	MT Medi Corp.	1135
	Pemco Inc.	1326
	Sontec Instruments Inc.	1114
	Thompson Surgical Instruments, Inc.	130
	Vitalitec	1221
	Wexler Surgical, Inc.	927
Sutures and	A&E Medical	1110
Needles	Covidien	535
	On-X Life Technologies, Inc.	429
Thoracic (General)	Acute Innovations	129
Surgery	ATMOS Inc.	238
	Biomet Microfixation	1111
	Clear Flow, Inc.	334
	Cormatrix Cardiovascular, Inc.	635
	Covidien	535
	Davol Inc. A BARD Company	735
	Gore & Associates	1339
	Heart Hugger/Gen'l Cardiac Technology	1418
	JOMDD, Inc.	336
	Kapp Surgical Instrument Inc.	1134
	Karl Storz Endoscopy- America, Inc.	1227
	LSI Solutions	1138
	Medela, Inc.	1115
	Medistim	1120
	Methapharm	1440





CATEGORY LISTING	Company	Воотн
Thoracic (General)	MT Medi Corp.	1135
Surgery	Pemco Inc.	1326
	Siemens Healthcare	1415
	Terumo	319
	Wexler Surgical, Inc.	927
Transmyocardial	CryoLife	627
Revascularization Products	MAQUET Medical Systems	1419
Valves	Admedus	1311
	CryoLife	627
	Edwards Lifesciences	613
	Hsiner Co., LTD.	1441
	JOMDD, Inc.	336
	Medtronic, Inc.	813
	On-X Life Technologies, Inc.	429
	Quest Medical	529
	St. Jude Medical	419
Vascular Grafts	Admedus	1311
	CryoLife	627
	Gore & Associates	1339
	JOMDD, Inc.	336
Vascular Grafts	MAQUET Medical Systems	1419
	Terumo	319
Video Equipment, Angioscopes,	Karl Storz Endoscopy- America, Inc.	1227
Telescopes	LoupeCam by VizVOCUS Inc.	1434
	ConvaTec	1213
Wound Support	Cormatrix Cardiovascular, Inc.	635
	Heart Hugger/Gen'l Cardiac Technology	1418
	Qualiteam SRL	1426
Other: CABG & TTFM	Medistim	1120
Other: Genetic Lab, Testing	Myriad Genetic Laboratories, Inc.	1427
Other: Hybrid OR	Siemens Healthcare	1415
Other: Information Referral Service	Hospital Information Service (Canada)	134
Other: Loupes and LED Headlights	Orascoptic	1141

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CATEGORY LISTING	COMPANY	Воотн
Other: Platelet Therapy	Terumo	319
Other: Reactors	Thompson Surgical Instruments, Inc.	130
Other: Retained Blood Complication Control	Clear Flow, Inc.	334
Other: Surgical Dressing	ConvaTec	
Other: Surgical Healants and	CryoLife Davol Inc. A BARD Company	627 735
Hemostatic Products	<i></i>	
Other: Surgical Loupes	Surgitel/General Scientific Corp	1319
Other: Surgical Telescopes	Designs For Vision, Inc.	935
Other: Temporary Cardiac Pacing Wires	A&E Medical	1110
Other: Transplant	Methapharm	1440





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INDUSTRY SUPPORTED SYMPOSIA

SUNDAY, APRIL 27

Validation of a 46-Gene Expression Signature in Early-stage Non-small-cell Lung Cancer

7:30 p.m. - 8:30 p.m.

Ontario, The Fairmont Royal York Supported by: Myriad Genetics

Low INR Results with the On-X® Aortic Heart Valve

7:30 p.m. - 9:30 p.m.

Ballroom B, The InterContinental Toronto Centre

Supported by: On-X Life Technologies

Opportunities That Matter: Experiences and Insights on Expanding Your Practice with the CoreValve® System

7:30 p.m. - 9:30 p.m.

Ritz Carlton

Supported by: Medtronic, Inc.

New TAVR Approaches

7:30 p.m. - 9:30 p.m.

Tudor 7 & 8, The Fairmont Royal York Supported by: Edwards Lifesciences, LLC

Monday, April 28

Patient Preference in Treatment Options: Is the Customer Always Right?

12:30 p.m. - 2:00 p.m.

AATS Product Theatre, Exhibition Hall, Level 300, Metro Toronto

Convention Centre

Supported by: Maquet Medical Systems, USA

Future of Valve Surgery

6:15 p.m. - 7:15 p.m.

The Fairmont Royal York, Room TBD

Sponsored by: The Cardiovascular Research Foundation

Supported through an educational grant by Edwards Lifesciences, LLC

A Lifetime of Observation and Considerations: Valve Selection for $\ensuremath{\mathit{AVR}}$

7:00 p.m. - 10:00 p.m.

Ritz Carlton

Supported by: Medtronic, Inc.





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146



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2007-2008	San Diego, CA	D. Craig Miller
2006-2007	Washington, DC	Bruce W. Lytle
2005-2007	Philadelphia, PA	Richard A. Jonas
2003-2000	San Francisco, CA	Tirone E. David
2003-2004	Toronto, ONT	Joel D. Cooper
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2001-2002	Washington, DC	Timothy J. Gardner
2000-2001	San Diego, CA	James L. Cox
1999-2000	Toronto, ONT	Delos M. Cosgrove
1998-1999	New Orleans, LA	Lawrence H. Cohn
1997-1998	Boston, MA	Floyd D. Loop
1996-1997	Washington, DC	David B. Skinner
1995-1996	San Diego, CA	Mortimer J. Buckley
1994-1995	Boston, MA	Robert B. Wallace
1993-1994	New York, NY	Aldo R. Castaneda
1992-1993	Chicago, IL	John L. Ochsner
1991-1992	Los Angeles, CA	John A. Waldhausen
1990-1991	Washington, DC	Keith Reemtsma
1989-1990	Toronto, ONT	F. Griffith Pearson
1988-1989	Boston, MA	W. Gerald Austen
1987-1988	Los Angeles, IL	Paul A. Ebert
1986-1987	Chicago, IL	Norman E. Shumway
1985-1986	New York, NY	James R. Malm
1984-1985	New Orleans, LA	David C. Sabiston
1983-1984	New York, NY	Dwight C. McGoon
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1981-1982	Phoenix, AZ	Thomas B. Ferguson
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1979-1980	San Francisco, CA	Herbert Sloan
1978-1979	Boston, MA	John W. Kirklin
1977-1978	New Orleans, LA	J. Gordon Scannell
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1970-1971	Washington, DC	Hiram T. Langston
	San Francisco, CA	Edward M. Kent
1968-1969		
1967-1968	Pittsburgh, PA	Paul C. Samson





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1966-1967	New York, NY	Frederick G. Kergin	
1965-1966	Vancouver, BC	Herbert C. Maier	
1964-1965	New Orleans, LA	John C. Jones	
1963-1964	Montreal, QUE	Robert E. Gross	
1962-1963	Houston, TX	Julian Johnson	
1961-1962	St. Louis, MO	O. Theron Clagett	
1960-1961	Philadelphia, FL	John H. Gibbon, Jr.	
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1959-1960	Miami Beach, FL	William E. Adams	
1958-1959	Los Angeles, CA	Michael E. DeBakey	
1957-1958	Boston, MA	Brian Blades	
1956-1957	Chicago, IL	Cameron Haight	
1955-1956	Miami Beach, FL	Richard H. Meade	
1954-1955	Atlantic City, NJ	Edward S. Welles	
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1951-1952	Dallas, TX	Frank B. Berry	
1950-1951	Atlantic City, NJ	Alfred Blalock	
1949-1950	Denver, CO	Edward J. O'Brien	
1948-1949	New Orleans, LA	Edward D. Churchill	
1947-1948	Quebec, QUE	Alton Ochsner	
1946-1947	St. Louis, MO	I.A. Bigger	
1945-1946	Detroit, MI	Claude S. Beck	
1943-1944	Chicago, IL	Frank S. Dolley	
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1978-1983	John L. Ochsner
1973-1978	Myron W. Wheat, Jr.
1968-1973	Thomas B. Ferguson
1963-1968	Henry T. Bahnson
1956-1963	Hiram T. Langston
1951-1956	Paul C. Samson
1947-1951	Brian Blades
1935-1947	Richard H. Meade
1930-1935	Duff S. Allen
1925-1930	Ethan Flagg Butler
1923-1925	Charles Gordon Heyd
1918-1923	Nathan W. Green

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1984-1989	Floyd D. Loop
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1974-1979	James R. Malm
1968-1974	Paul C. Adkins
1963-1968	C. Rollins Hanlon
1954-1963	Julian Johnson
1946-1954	William E. Adams
1939-1946	Isaac A. Bigger
1933-1939	Edward D. Churchill
1928-1933	Carl Eggers
1925-1928	Ethan Flagg Butler
1923-1925	Charles Gordon Heyd
1918-1923	Nathan W. Green



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2013 - William D. Edwards

Update on Surgical-Pathologic Correlates of Valvular Heart Disease

2012 – John E. Bares

Will a Robot Take Your Job?

2011 - Susan B. Shurin

Public Support of Biomedical Research

2010 - Susan E. Mackinnon

Nerve Injury – Changing the Surgical Paradigm Through Translational Science

2009 - Jonathan A. Epstein

Insights from Developmental and Stem Cell Biology

2008 - Matts Karlsson

The Link Between Engineering, Biomechanics, and Cardiovascular Physiology and Disease

2007 - Steven R. Bailey

Nanotechnology - Impact on Cardiovascular Medicine

2006 - H. Robert Horvitz

Genetic Control of Programmed Cell Death in C. elegasn

2005 - Harry Dietz

New Insights Into the Pathogenesis and Treatment of Marfan Syndrome

2004 - John B. West

A Shortage of Oxygen: Lessons from the Summitof Mt. Everest

2003 - Richard White

Advanced Imaging: Aiding the "Mind's Eye" of the Cardiothoracic Surgeon

2002 – Steven A. Rosenberg

The Immune Response to Human Cancer: Lessons from the Molecular Analysis of Patients with a Dramatic Response to Immunotherapy

2001 - Gerald D. Buckberg

The Helix and the Heart

2000 - J. Craig Venter

Decoding the Human Genome

1999 – Victor Dzau

Gene Therapy Strategies for Research Revascularization

1998 - Eric J. Topol

The Future of Coronary Thrombosis Prophylaxis

1997 - Ronald G. Crystal

Implications for Gene Therapy in Treating Coronary Artery Disease and Lung Cancer

1994 – Timothy A. Springer

Traffic Signals for Leukocyte Emigration from the Blood Stream

1993 - Andrew S. Wechsler

Molecular Biology: New Common Ground for Cardiothoracic Surgery

1992 - Kurt Benirschke

Twinning





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1991 - Fritz H. Bach

Transplant Immunology: A Broadening of the Concept for the Future

1990 - Louis Siminovitch

Advances in Cancer Research – Bench to Bedside

1989 - Russell Ross

The Pathogenesis of Atherosclerosis

1988 – Raj K. Goyal

Physiology and Pathophysiology of Esophageal Peristalsis

1987 – Gustav J.V. Nossal

Immuno-Regulation: The Key to Transplantation and Autoimmunity

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2013 – Richard B. Cheney

Interview with former Vice President Dick Cheney: Personal Reflections on Cardiac Surgery

2012 - Mehmet C. Oz

Medicine in Media

2011 - Michael J. Mack

The Only Constant Is Change

2010 - David Naylor

Too Big to Fail? Healthcare Reform in the U.S. and Canada

2009 - Professor Michio Kaku

The Creation of the Universe, String Theory, and Time Travel

2008 – Marko I. Turina

50 Years of Cardiothoracic Surgery Through the Looking Glass and What the Future Holds

2007 - Mark B. McClellan

2006 – John P. Howe, III

A World in Need: Lessons Learned in Medical Diplomacy – The Project HOPE Perspective

2005 - Richard D. Weisel

Cardiac Regeneration

2004 – Joseph Macinnis

Leadership and Surgery: A View from Inside the Ocean

2003 - Frank Culbertson, CAPT, USN

The Challenges of Human Space Flight

2002 - Marc R. de Leval

Beyond Flatland

2001 - Mory Gharib

Bioengineering for the Exploration of Space: New Challenges

2000 - James L. Barksdale

Effects of the Net Economy

1999 – Judah Folkman

Experimental and Clinical Application of Angiogenesis Research

1998 – Ken Taylor

A Practical Affair

1997 - Antoon E.M.R. Lerut

Esophageal Surgery at the End of the Millenium

1996 - David H. Sachs

Tolerance to Allogeneic and Xenogeneic Transplants

1995 - Edmund D. Pellegrino

Medical Ethics in the 21st Century: DNR or CPR?

1994 - Rodolfo Herrera-Llerandi

A Thoracic Tale of Two Cities

1993 - Mark F. O'Brien

The Structure and Function of Tissue Valves; Some Lessons Learned from the Fate of Implanted Heart Valves

1992 - Rene G. Favaloro

Coronary Artery Bypass Graft Surgery; Twenty-Five Years Later – Some Landmarks

1991 - Magdi Yacoub

Long-Term Transplantation As a Model

1990 - A.P. Naef

Pioneers and Milestones in Thoracic Surgery

1989 – Francis M. Fontan

Transplantation of Knowledge

1988 – Jaroslav F. Stark

Do We Really Correct Congenital Heart Defects?

1987 - Jean-Paul Binet

New Frontiers – New Barriers

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The Cardiovascular Surgeon and the Liver

1985 – Hans G. Borst

Hands Across the Ocean: German/American Relations in Thoracic Surgery

1984 – Adib D. Jatene

Left Ventricular Aneurysmectomy: Resection or Reconstruction?

1983 - Alain F. Carpentier

Valve Surgery: The French Correction

1982 – Wu Ying-Kai

Achievements in the Study and Control of Cancer of the Esophagus

1981 - Roger Abbey-Smith

An Evaluation of the Long-Term Results of Surgery for Bronchial Carcinoma

1980 - H. D'Arcy Sutherland

Cardiothoracic Metamorphosis

1979 - Brian Barratt-Boyes

Cardiothoracic Surgery in the Antipodes

1978 - Donald Ross

Cardiac Surgery – The Golden Years

1977 - Charles Dubost

1973 - Thomas H. Sellors

The Generality of Surgery





1972 – C. Rollins Hanlon

Specialization in Medicine

1971 – Roger O. Egeberg

1970 - Leo Eloesser

Milestones In Chest Surgery

1969 - E.J. Zerbini

The Surgical Treatment of Tetralogy of Fallot

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Methods in Open Heart Surgery

1966 - Ronald Belsey

Functional Diseases of the Esophagus and their Surgical Management

1965 - A. Gerard Brom

Narrowing of the Aortic Isthmus and Enlargement of the Mind

1964 – I. Boerema

The Use of Hyperbaric Oxygen in Thoracic Surgery

1963 - Andrew Logan

The Surgical Treatment of Carcinoma of the Esophagus and Cardia

1962 - Norman R. Barrett, Earle W. Wilkins, Jr.

Publish or Perish Experience With 500 Cases of Hiatus Hernia

1961 - A.L. d'Abreu

Thoracic Surgery in the Commonwealth of Medicine

1960 – Alfonso Topete

New Findings in the Coronary-Encephalic Perfusion in Depressive Surgical Cases



THE AATS GRAHAM FOUNDATION

www.aatsgrahamfoundation.org

Since its founding in 1973, the AATS Graham Foundation has served as the funding arm of the Association's research initiatives. In addition to Graham Fellows that have been selected to spend a year studying in North America, a number of additional initiatives have been created to address the research needs of the specialty. In 2014, the Foundation continues to evolve with the needs of the specialty and has initiated new programs. In the years ahead, the Foundation intends to continue providing and formulating new initiatives that are of value to the cardiothoracic surgery specialty and fulfill the AATS and AATS Graham Foundation's missions.

Mission

The mission of the AATS Graham Foundation is driving leadership, learning and innovation in the pursuit of excellence.

Vision

We envision a dynamic and innovative future of continued excellence for cardiothoracic surgery.

Values

Academic Exchange: It is our past and our future

Innovation and Collaboration: working together to advance and achieve our mission

Advancing Patient Care: Our cornerstone as physicians

Fostering Leadership: Maintaining excellence for future generations

Trusted Stewardship: Honoring our history and safeguarding our future

Board of Directors

The AATS Graham Foundation exists to help support the work of the AATS. The Board of Directors of AATS Graham Foundation works to ensure that the Foundation achieves its mission and vision through strategic planning inspired by its values of academic exchange, innovation and collaboration, advancing patient care, fostering leadership, and trusted stewardship.

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The Advisory Council identifies innovative challenges within the specialty where resources might best be utilized and proposes potential collaborative ventures.

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Development Committee

The Development Committee identifies, develops, and implements funding sources for Foundation initiatives.

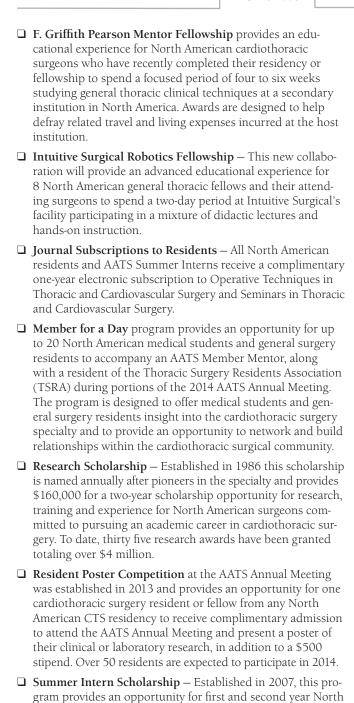
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Program and Activities — full list of programs and recipients at www.aatsgrahamfoundation.org.

- ☐ Critical Care Scholarships In 2012, resident scholarships were established providing support for first year residents to participate in the FACTS Care Critical Care Symposium. To date over 40 scholarships have been provided.
- ☐ C. Walton Lillehei Resident Forum Established in 1998 this program supports the participation, travel and expenses of eight resident presenters at the AATS Annual Meeting competing for a \$5,000 award. This is a competition open to all residents in CTS training programs. From the submitted abstracts the top eight are selected for presentation. Following review of the abstract, the manuscript and the presentation, a "winner" is selected. The AATS Graham Foundation has made 112 awards that also cover hotel and air travel accommodations.
- ☐ Edwards Lifesciences Advanced Treatments of Valve Disease Fellowship offers educational experiences for young cardiothoracic surgeons from around the world to obtain expertise in advanced treatments of valve disease, such as mitral and aortic valve repair and trans-catheter techniques for repair or replacement of all valves.
- ☐ Evarts A. Graham Traveling Fellowship was established in 1951 by the AATS for the purpose of supporting study within North America by promising young academic cardiothoracic surgeons from outside the region to broaden their overall training and increase international contacts. Since the inception of the Graham Fellowship, 61 Graham Fellows from 30 countries have spent a year studying in North America.





medical schools to date.

American medical students to spend eight weeks during the summer (June thru September) working in a North American cardiothoracic surgery department. The Foundation has awarded \$960,000 to 251 students from over 79 participating

☐ Thoracic Surgery Foundation for Research and Education (TSFRE) — In support of our colleagues, the AATS the AATS Graham Foundation have provided over \$1.65 million to the TSFRE, including funding for their four major awards in 2012, which were in support of research and simulation programs, (a \$300K commitment).

Scientific Achievement Award

The American Association for Thoracic Surgery Scientific Achievement Award was established by the Association in 1994. The award serves to honor individuals who have achieved scientific contributions in the field of thoracic surgery worthy of the highest recognition the Association can bestow. Honorees receive a Medallion for Scientific Achievement from the Association presented by the president at the Annual Meeting and the honoree's name and biography is printed in The Journal of Thoracic and Cardiovascular Surgery.

Recipients

2013	Eugene H. Blackstone, Cleveland, OH
2011	Marc R. de Leval London, United Kingdom
2010	Richard D. Weisel, Toronto, ON, Canada
2008	Andrew S. Wechsler, Philadelphia, PA
2007	Gerald D. Buckberg, Los Angeles, CA
2005	Alain F. Carpentier, Paris, France
2000	Denton A. Cooley, Houston, TX
1999	Michael E. DeBakey, Houston, TX
1998	Norman E. Shumway, Stanford, CA
1995	John W. Kirklin, Birmingham, AL

Lifetime Achievement Award

The American Association for Thoracic Surgery established the Lifetime Achievement Award in 2003. The Award serves to recognize individuals for their significant contributions to cardiothoracic surgery in the areas of patient care, teaching, research, or community service. Honorees receive a plaque for Lifetime Achievement from the Association presented by the president at the Annual Meeting.

Recipients

2014	Fred A. Crawford, Charleston, SC
2013	Eugene Braunwald, Boston, MA
2009	Thomas B. Ferguson, St. Louis, MO
2007	Frank C. Spencer, New York, NY
2004	F. Griffith Pearson, Toronto, ON, Canada

Lifetime Distinguished Service Award

Recipient

2008 William T. Maloney, Boston, MA







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Ralph S. Mosca Noboru Motomura Anthony L. Moulton Michael R. Mueller David S Mulder* Donald G. Mulder* Charles J. Mullany* Donald C. Mullen* Michael S. Mulligan Claudio Muneretto David A. Murphy* Gordon F. Murray* Sudish C. Murthy Marcos Murtra* P. David Myerowitz* John L. Myers William O. Myers*

Hassan Najafi* Hani K. Najm Yoshifumi Naka Keith S. Naunheim Daniel O. Navia Jose L. Navia A. John Neerken* Rodolfo A. Neirotti* Ronald J. Nelson* Russell M. Nelson* Jonathan C. Nesbitt Dao M. Nguyen Francis C. Nichols L. Wiley Nifong Takashi Nitta Stanton P. Nolan* John C. Norman* William F. Northrup* William I. Norwood* Richard J. Novick

Victor Morell

Jean E. Morin*

Jeremy R. Morton*

Ricardo J. Moreno-Cabral



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William C. Nugent Chukwumere E. Nwogu

0

David D. Oakes* Jean-Francois Le Obadia John L. Ochsner* Hitoshi Ogino Richard G. Ohye Morihito Okada I. Edward Okies* Okike N. Okike* Yutaka Okita H. Newland Oldham* Gordon N. Olinger* Sergio A. Oliveira* Mark Onaitis Martin J. O'Neill* Mark B. Orringer* Thomas A. Orszulak* Eduardo Otero Coto David A. Ott Richard A. Ott James H. Oury*

P

Philip E. Oyer*

Mehmet C. Oz

Albert D. Pacifico*
Davide Pacini
Richard T. Padula*
Walter E. Pae
Francis D. Pagani
Peter C. Pairolero*
George M. Palatianos
George Pappas*
Kalpaj Parekh
Bernard J. Park
Soon J. Park

Alessandro Parolari

Grant V.S. Parr*

Victor Parsonnet*

Michael K. Pasque

Harvey I. Pass

James W. Pate*

Himanshu J. Patel

Bruce C. Paton*

Alec Patterson

Subroto Paul

Jeffrey M. Pearl

F. Griffith Pearson*

David V. Pecora*

Benjamin B. Peeler

L. Conrad Pelletier*

John R.F. Penido*

Arjun Pennathur

D. Glenn Pennington*

John L. Pennock

John R. Pepper

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Orlando Petrucci

Gosta B. Pettersson

Si Mai Pham

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Louis Pierucci*

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Armand H. Piwnica*

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Claude Planche*

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Stephen K. Plume*

James R. Pluth*

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Richard L. Prager
Rene Pretre
Francisco J. Puga*
John D. Puskas
Joe B. Putnam

Q

Jan Modest Quaegebeur James A. Quintessenza

R

Ehud Raanani John Raffensperger* W. Gerald Rainer* Jaishankar Raman James J. Rams* Judson G. Randolph* J. Scott Rankin Vivek Rao Richard A. Rasmussen* Mark B. Ratcliffe Anees J. Razzouk Raymond C. Read* Michael J. Reardon Ivan M. Rebeyka V. Mohan Reddy George E. Reed* William A. Reed* Hermann Reichenspurner Olaf Reinhartz Robert L. Reis*

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Gaetano Rocco

Mark D. Rodefeld

Evelio Rodriguez

Charles L. Roper*

Xavier F. Roques

Daniel M. Rose*

Eric A. Rose

Eric E. Roselli

Bruce R. Rosengard

Todd K. Rosengart

Jacob Rosensweig*

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Nicholas P. Rossi*

Jack A. Roth

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Giancarlo Roviaro*

Joseph W. Rubin*

Marc Ruel

Juan J. Rufilanchas Sanchez*

Valerie W. Rusch

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Joseph F. Sabik Robert M. Sade* Hazim J. Safi Lokeswara R. Sajja Edward Y. Sako Jorge D. Salazar Tomas A. Salerno Neal W. Salomon* A. SampathKumar Louis E. Samuels Juan A. Sanchez John H. Sanders* Richard G. Sanderson* Shunji Sano Francesco Santini George E. Sarris William F. Sasser* Lester R. Sauvage* Philip N. Sawyer* John L. Sawyers* Hans-Joachim Schaefers Hartzell V. Schaff Andres J. Schlichter Ralph A. Schmid Joseph D. Schmoker Peter M. Scholz Christian Schreiber David S. Schrump Matthew J. Schuchert Stephan W. Schueler Thomas A. Schwann Seymour I. Schwartz* Henry E. Scott* Meredith L. Scott* Walter J. Scott Hugh E. Scully*

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Frank W. Sellke

Craig H. Selzman

Paul T. Sergeant

Alain Serraf

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K. Robert Shen

Hani Shennib

Hideto Shimpo

Toshiharu Shinoka

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Malakh L. Shrestha

Dominique Shum-Tim

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Hans-Hinrich Sievers

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reter J. Starek

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Allan Stranahan*

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Li-Zhong Sun

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Koichi Tabayashi

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Shinichi Takamoto

Shuichiro Takanashi

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G. Frank O. Tyers*

Kenneth R.T. Tyson*

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Felix H. Unger*

Ross M. Ungerleider

Helmut W. Unruh

v

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Joseph M. Van De Water*

Daniel W. Van Heeckeren*

Dirk E. Van Raemdonck

Paul E. Van Schil

Peter Van Trigt

Charles W. Van Way*

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Gonzalo Varela

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Federico Venuta

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Jakob Vinten-Johansen

Gus J. Vlahakes

Ludwig K. vonSegesser

Pascal R. Vouhe

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Jeng Wei

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Darryl S. Weiman

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Hisataka Yasui*
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Sai Yendamuri
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Ichiro Yoshino
J. Nilas Young
William P. Young*
Ryohei Yozu
David D. Yuh

Z

Rostik Zajtchuk*
Ricardo A. Zalaquett
Lawrence I. Zaroff*
Robert H. Zeff*
Kenton J. Zehr
Marian Zembala
Marco A. Zenati
Marcin Zielinski
Gerhard Ziemer
M. Nazih Zuhdi*
G. Lionel Zumbro*
Joseph B. Zwischenberger



Toshikatsu Yagihara Stephen C. Yang







2013-2014

GEOGRAPHICAL ROSTER

(Current as of February, 2014)

ALABAMA

Birmingham

Athanasuleas, Constantine L. Cerfolio, Robert J. Holman, William L. Kahn, Donald R. Kirklin, James K.

Indian Springs

Pacifico, Albert D.

Mobile

LoCicero, Joseph, III

Montgomery

Simmons, Earl M.

ALASKA

Anchorage

Misbach, Gregory A.

ARIZONA

Carefree

Michaelis, Lawrence

Glendale

Pearl, Jeffrey M.

Mesa

Shennib, Hani

Phoenix

Trastek, Victor F. Vaughn, Cecil C.

Scottsdale

Fisk, R. Leighton Mullany, Charles J. Pluth, James R.

Tempe

Cornell, William P.

Tucson

Greenfield, Lazar J, Sr. Little, Alex G. Pomerantz, Marvin Sanderson, Richard G. Sethi, Gulshan K.

ARKANSAS

Little Rock

Campbell, Gilbert S. Read, Raymond C.

CALIFORNIA

Alameda

Ecker, Roger R.

Bodega Bay

Champsaur, Gerard L.

Bonita

Gonzalez-Lavin, Lorenzo

Campbell

Kirsh, Marvin M.

Capistrano Beach

Flynn, Pierce J.

Carmel

Iverson, Leigh I. Miller, George E, Jr.

Coronado

Silver, Arthur W.

Davis

Berkoff, Herbert A.

El Macero

Andrews, Neil C.

Hillsborough

Thomas, Arthur N. Ullyot, Daniel J.

Huntington Beach

Blanche, Carlos

La Jolla

Copeland, Jack G. Hutchin, Peter





Jamieson, Stuart W. Madani, Michael M. Swain, Julie A. Thistlethwaite, Patricia A. West, John B.

Lakeside

Aaron, Benjamin L.

Loma Linda

Bailey, Leonard L. Razzouk, Anees J. Wareham, Ellsworth E.

Los Angeles

Arabia, Francisco A. Ardehali, Abbas Baker, Craig J. Benfield, John R. Buckberg, Gerald D. Cohen, Robbin G. DeMeester, Steven R. Holmes, E. Carmack Kay, Jerome H. Khoynezhad, Ali Laks, Hillel Lee, Jay M. Lee, Myles E. Maloney, James V., Jr. Matloff, Jack M. McFadden, P. Michael McKenna, Robert J, Jr. Shemin, Richard J. Starnes, Vaughn A. Trento, Alfredo Wells, Winfield J.

Murrieta

Wakabayashi, Akio

Newport Beach

Ott, Richard A.

Oakland

Harken, Alden H.

Orange

Connolly, John E. Milliken, Jeffrey C.

Pacific Palisades

Mulder, Donald G.

Palos Verdes Estates

Stiles, Quentin R.

Pasadena

Penido, John R.F.

Portola Valley

Fogarty, Thomas J.

Rancho Mirage

Fosburg, Richard G.

Rancho Palos Verdes

Mandal, Ashis K.

Rancho Santa Fe

DeLaria, Giacomo A. Geha, Alexander S.

Rolling Hills Estates

Lui, Alfred H.F.

Sacramento

Follette, David M. Harlan, Bradley J. Young, J. Nilas

San Diego

Dembitsky, Walter P.
Devaney, Eric J.
Lamberti, John J.
Miller, Fletcher A.
Moreno-Cabral, Ricardo J.
Trummer, Max J.

San Francisco

Cohen, Gordon A. Ellis, Robert J. Hill, J. Donald Jablons, David M. Merrick, Scot H. Ratcliffe, Mark B. Tseng, Elaine E. Yee, Edward S.

San Jose

Oakes. David D.

San Marino

DeMeester, Tom R.

Santa Ana

Gazzaniga, Alan B.

Santa Barbara

Love, Jack W.

Santa Cruz

Fishman, Noel H.

Santa Monica

Fonkalsrud, Eric W. Robertson, John M.

Sausalito

Zaroff, Lawrence I.









Stanford

Burdon, Thomas A.
Fann, James I.
Hanley, Frank L.
Mainwaring, Richard D.
Mark, James B.D.
Miller, D. Craig
Mitchell, R. Scott
Oyer, Philip E.
Reddy, V. Mohan
Reinhartz, Olaf
Reitz, Bruce A.
Shrager, Joseph B.
Woo, Y. Joseph

Tiburon

Heydorn, William H.

Torrance

Carey, Joseph S. State, David

Truckee

Rose, Daniel M.

Ventura

Brandt, Berkeley, III Dart, Charles H, Jr.

COLORADO

Aurora

Campbell, David N.
Clarke, David R.
Cleveland, Joseph C., Jr.
Fullerton, David A.
Grover, Frederick L.
Jaggers, James
Mitchell, John D.
Mitchell, Max B.
Weyant, Michael J.

Denver

Cox, James L. Paton, Bruce C. Rainer, W. Gerald

Greenwood Village

Pappas, George

Highlands Ranch

Hardesty, Robert L.

Parker

Olinger, Gordon N.

Snowmass Village

McEnany, M. Terry Mills, Lawrence J.

CONNECTICUT

Essex

Jaretzki, Alfred, III

Farmington

Lahey, Stephen J.

Greenwich

Waters, Paul F.

New Haven

Detterbeck, Frank C. Elefteriades, John A. Kirshbom, Paul M. Kopf, Gary S. Yuh, David D.

North Haven

Hammond, Graeme L.

Old Greenwich

Brodman, Richard F.

Woodbridge

Stern, Harold

DELAWARE

Dover

Mannion, John D.

Greenville

Norwood, William I.

Newark

Banbury, Michael K. Gardner, Timothy J.

Wilmington

Pizarro, Christian

DISTRICT OF COLUMBIA

Washington

Jonas, Richard A. Keshishian, John M. Marshall, M. Blair Simmons, Robert L.

FLORIDA

Atlantic Beach

Stranahan, Allan

Bal Harbour

Grondin, Pierre R.









Belleair

Lasley, Charles H.

Boca Raton

Kiser, Joseph C. Litwin, S. Bert

Coconut Grove

Center, Sol

Coral Gables

Montoya, Alvaro

Delray Beach

Rosensweig, Jacob

Fernandina Beach

Malm, James R.

Gainesville

Alexander, James A. Beaver, Thomas M. Bleiweis, Mark S.

Jacksonville

Edwards, Fred H. Koster, J. Kenneth, Jr. Landolfo, Kevin P.

Jupiter

Gerbasi, Francis S.

Key Largo

DelRossi, Anthony J.

Longboat Key

Lajos, Thomas Z.

Miami Beach

Bregman, David

Miami

Harrison, Lynn H., Jr. Jude, James R. Kaiser, Gerard A. Nguyen, Dao M. Reis, Robert L. Salerno, Tomas A. Subramanian, S. Thurer, Richard J.

Naples

Gonzalez, Luis L.

Ocala

Chaux, Aurelio

Orlando

Accola, Kevin D. DeCampli, William M. Mavroudis, Constantine

Palm City

Timmis, Hilary H.

Ponte Vedra Beach

Barnhorst, Donald A. Gilbert, Joseph, Jr. Scholz, Peter M.

Saint Petersburg

Daicoff, George Jacobs, Jeffrey P. Quintessenza, James A.

Sanibel

Raffensperger, John

Tallahassee

Kraeft, Nelson H. Lambert, Cary J.

Tampa

Angell, William W. Robinson, Lary A.

AlSoufi, Bahaaldin

GEORGIA

Atlanta

Chen, Edward P. Craver, Joseph M. Force, Seth D. Gott, John Parker Guyton, Robert A. Hatcher, Charles R, Jr. Kanter, Kirk R. Kogon, Brian E. Lee, Arthur B, Jr. Mansour, Kamal A. Miller, Daniel L. Miller, Joseph I, Jr. Puskas, John D. Symbas, Panagiotis Thourani, Vinod H. Vega, J. David Vinten-Johansen, Jakob Williams, Willis H.

Chickamauga

Hall, David P.

Dunwoody

Rivkin, Laurence M.

Evans

Zumbro, G. Lionel, Jr.

Kennesaw

Northrup, William F., III

Lakemont

Wilson, James Miller



Macon

Dalton, Martin L, Jr. Van De Water, Joseph M.

Newnan

Mullen, Donald C.

Savannah

Moncure, Ashby C. Yeh, Thomas J.

Valdosta

Cochran, Richard P.

HAWAII

Honolulu

Ching, Nathaniel P. Gebauer, Paul W. McNamara, J. Judson

Kailua

Young, William P.

IDAHO

Boise

Herr, Rodney H.

ILLINOIS

Burr Ridge

Blakeman, Bradford P.

Chicago

Amato, Joseph J. Backer, Carl L. Barker, Walter L. Breyer, Robert H. Campbell, Charles D. DeCamp, Malcolm M., Jr. Faber, L. Penfield Ferguson, Mark K. Goldin, Marshall D. Jeevanandam, Valluvan Kittle, C. Frederick Liptay, Michael J. Massad, Malek G. McCarthy, Patrick M. Raman, Jaishankar Replogle, Robert L. Tatooles, Constantine J. Vanecko, Robert M. Warren, William H. Zajtchuk, Rostik Ziemer, Gerhard

Danville

Canver, Charles C.

Elk Grove Village

Sullivan, Henry J.

Evanston

Head, Louis R.

Lake Forest

Weinberg, Milton, Jr.

Northfield

Najafi, Hassan

Oak Lawn

Ilbawi, Michel N.

Oak Park

Hartz, Renee S.

River Forest

Mason, G. Robert

Springfield

Hazelrigg, Stephen R.

Western Springs

Thomas, Paul A, Jr.

Willowbrook

Leininger, Bernard J.

Wilmette

Fry, Willard A.

Winnetka

Howington, John A.

INDIANA

Anderson

Scott, Henry E.

Fort Wayne

Ladowski, Joseph S.

Indianapolis

Brown, John W.
Freeman, Richard K.
Kesler, Kenneth A.
King, Harold
King, Robert D.
Mahomed, Yousuf
Mandelbaum, Isidore
Rodefeld, Mark D.
Siderys, Harry
Turrentine, Mark W.

Valparaiso

O'Neill, Martin J, Jr.

Wolf, Randall K.







IOWA

Cedar Rapids

Levett, James M.

Council Bluffs

Sellers, Robert D.

Des Moines

Zeff, Robert H.

Iowa City

Behrendt, Douglas M. Iannettoni, Mark D. Parekh, Kalpaj Richenbacher, Wayne E. Rossi, Nicholas P. Stanford, William

Urbandale

Phillips, Steven J.

KANSAS

Kansas City

Reed, William A.

Mission Hills

Ashcraft, Keith W.

Overland Park

Killen, Duncan A.

Prairie Village

Holder, Thomas M. Piehler, Jeffrey M.

Shawnee Mission

Padula, Richard T.

KENTUCKY

Lexington

Ferraris, Victor A. Todd, Edward P. Zwischenberger, Joseph B.

Louisville

Austin, Erle H., III Dowling, Robert D. Gray, Laman A, Jr. Slaughter, Mark S.

LOUISIANA

Alexandria

Webb, Watts R.

Baton Rouge

Berry, B. Eugene

Nathitoches

Bloodwell, Robert D.

New Orleans

Blalock, John B. DeCamp, Paul T. DeLeon, Serafin Y. Hewitt, Robert L. Lindsey, Edward S. Ochsner, John L.

Shreveport

Mancini, Mary C.

MAINE

Cape Elizabeth

Bredenberg, Carl E.

Portland

Morton, Jeremy R.

Rome

Tarnay, Thomas J.

Sedgwick

Siewers, Ralph D.

MARYLAND

Baltimore

Attar, Safuh Baker, R. Robinson Battafarano, Richard J. Baumgartner, William A. Brock, Malcolm V. Cameron, Duke E. Cardarelli, Marcelo G. Conte, John V. Gammie, James S. Griffith, Bartley P. Haller, J. Alex, Jr. Katz, Nevin M. McLaughlin, Joseph S. Pham, Si Mai Pierson, Richard N, III Sanchez, Juan A. Shah, Ashish S. Vricella, Luca A. Watkins, Levi, Jr. Whitman, Glenn J. Yang, Stephen C. Zehr, Kenton J.







Bethesda

Horvath, Keith A. Schrump, David S.

Glen Arm

Turney, Stephen Z.

Lutherville Timonium

Brown, James M. Salomon, Neal W.

Potomac

Midgley, Frank M.

Reisterstown

Heitmiller, Richard F.

MASSACHUSETTS

Beverly

Maloney, William T.

Boston

Agnihotri, Arvind K. Akins, Cary W. Allan, James S. Aranki, Sary F. Austen, W. Gerald Bolman, R. Morton, III Bueno, Raphael Byrne, John G. Chen, Frederick Y. Cohn, Lawrence H. Colson, Yolonda L. Couper, Gregory S. Daly, Benedict D.T. del Nido, Pedro J. Fernando, Hiran C. Gaissert, Henning A. Gangadharan, Sidharta P. Jaklitsch, Michael T. Khabbaz, Kamal R. Lanuti, Michael Lazar, Harold L. Levitsky, Sidney Litle, Virginia R. MacGillivray, Thomas E. Madsen, Joren C. Mathisen, Douglas J. Mayer, John E. Mentzer, Steven J. Pigula, Frank A. Shahian, David M. Sugarbaker, David J.

Sundt, Thoralf M.

Swanson, Scott J.

Thurer, Robert L.
Torchiana, David F.
Vlahakes, Gus J.
Wain, John C., Jr.
Warner, Kenneth G.
Whyte, Richard I.
Wright, Cameron D.
Zenati, Marco A.

Brookline

Berger, Robert L. Neirotti, Rodolfo A.

Cambridge

Malcolm, John A. Weintraub, Ronald M.

Centerville

Lefemine, Armand A.

Chestnut Hill

Bougas, James A.

Concord

Litwak, Robert S. Norman, John C.

Dover

Daggett, Willard M.

Falmouth

McElvein, Richard B.

Framingham

Bernhard, William F.

North Andover

Cook, William A.

Plymouth

Moran, John M.

Salem

Vander Salm, Thomas J.

Springfield

Engelman, Richard M. Rousou, John A.

Waltham

Rosengard, Bruce R.

West Roxbury

Barsamian, Érnest M.

Williamstown

Wilkins, Earle W.

Worcester

Conlan, A. Alan Graeber, Geoffrey M. Okike, Okike N. Pontius, Robert G.





MICHIGAN

Ada

Meldrum, Daniel R.

Ann Arbor

Bartlett, Robert H.
Bolling, Steven F.
Bove, Edward L.
Chang, Andrew C.
Deeb, G. Michael
Gago, Otto
Haft, Jonathan W.
Hirsch, Jennifer C.
Neerken, A. John
Ohye, Richard G.
Orringer, Mark B.
Pagani, Francis D.
Patel, Himanshu J.
Prager, Richard L.

Detroit

Arbulu, Agustin Baciewicz, Frank A., Jr. Delius, Ralph E. Stephenson, Larry W. Walters, Henry L, III Wilson, Robert F.

Grand Rapids

Harrison, Robert W. Khaghani, Asghar Rasmussen, Richard A. Tomatis, Luis A.

Grosse Pointe Farms

Javid, Hushang

Grosse Point

Silverman, Norman A.

Jackson

Macha, Mahender

West Bloomfield

Arciniegas, Eduardo

MINNESOTA

Golden Valley

Gannon, Paul G.

Hopkins

Garamella, Joseph J.

Minneapolis

Andrade, Rafael S. Emery, Robert W. Foker, John E.

Hopeman, Alan R.

John, Ranjit

Kelly, Rosemary

Liao, Kenneth K.

Maddaus, Michael A.

Shumway, Sara J.

Sun, Benjamin

Ward, Herbert B.

Mounds View

Vassiliades, Thomas A., Jr.

New Brighton

Molina, J. Ernesto

Rochester

Allen, Mark S.
Cassivi, Stephen D.
Daly, Richard C.
Danielson, Gordon K.
Dearani, Joseph A.
Joyce, Lyle D.
Nichols, Francis C.
Orszulak, Thomas A.
Pairolero, Peter C.
Pochettino, Alberto
Puga, Francisco J.
Schaff, Hartzell V.
Shen, K. Robert
Suri, Rakesh M.

MISSISSIPPI

Carriere

Mills, Noel L.

Carthage

Logan, William D, Jr.

Jackson

Aru, Giorgio M. Johnston, J. Harvey, Jr. McMullan, Martin H. Salazar, Jorge D. Tribble, Curtis G.

Ocean Springs

Johnson, Robert G.

MISSOURI

Columbia

Curtis, Jack J. Silver, Donald Walls, Joseph T.







Frontenac

Strevey, Tracy E, Jr.

Glendale

Codd, John E.

Kansas City

Allen, Keith B. Borkon, A. Michael Hopkins, Richard A. Van Way, Charles W, III

St. Louis

Barner, Hendrick B. Bergmann, Martin Connors, John P. Crabtree, Traves D. Damiano, Ralph J., Jr. Eghtesady, Pirooz Fiore, Andrew C. Gay, William A., Jr. Huddleston, Charles B. Kouchoukos, Nicholas T. Kreisel, Daniel Krupnick, Alexander S. Lawton, Jennifer S. Lee, Richard Lewis, J. Eugene, Jr. Maniar, Hersh Manning, Peter B. Meyers, Bryan F. Moon, Marc R. Naunheim, Keith S. Pasque, Michael K. Patterson, Alec Roper, Charles L. Sasser, William F.

MONTANA

Columbia Falls

Webster Groves Kaiser, George C.

Myerowitz, P. David

Missoula

Duran, Carlos Gomez

NEBRASKA

Bennington

Fleming, William H.

NEVADA

Henderson

Bolton, J.W. Randolph

Zephyr Cove

Kerth, William J.

NEW HAMPSHIRE

Hanover

Plume, Stephen K.

Lebanon

Nugent, William C.

Lyme

Sanders, John H., Jr.

NEW JERSEY

Alpine

Holswade, George R.

Belleville

Gerard, Franklyn P.

Browns Mills

McGrath, Lynn B.

Cinnaminson

Camishion, Rudolph C.

Fort Lee

Conklin, Edward F.

Hackensack

Park, Bernard J.

Jersey City

Demos, Nicholas J.

Morristown

Parr, Grant V.S.

Neptune

Krasna, Mark J. Roberts, Arthur J.

New Brunswick

Mackenzie, James W.

Newark

Donahoo, James Parsonnet, Victor

Paramus

Korst, Robert J.

Pittstown

Garzon, Antonio A.







Pompton Plains

Adler, Richard H.

Ridgewood

Grau, Juan B.

South Orange

Gielchinsky, Isaac Swan, Kenneth G.

Tenafly

Ergin, M. Arisan Wallsh, Eugene

NEW MEXICO

Albuquerque

Dietl, Charles A. Ricci, Marco Wernly, Jorge A.

Alto

Greenberg, Jack J.

Buena Vista

Thal, Alan P.

Santa Fe

Davila, Julio C.

NEW YORK

Akron

Hoover, Eddie L.

Albany

Moores, Darroch W.

Bronx

Attai, Lari A. DeRose, Joseph J., Jr. Goldstein, Daniel Hirose, Teruo

Bronxville

Frater, Robert W.M.

Brooklyn

Acinapura, Anthony J. Sawyer, Philip N.

Buffalo

Demmy, Todd L. Nwogu, Chukwumere E. Yendamuri, Sai

Canandaigua

Craver, William L.

Dewitt

Parker, Frederick B, Jr.

East Amherst

Bhayana, Joginder N.

East Quogue

McCormack, Patricia M.

Garden City

Hines, George L.

Germantown

Reed, George E.

New York

Adams, David H. Altorki, Nasser K. Anagnostopoulos, C.E.

Anyanwu, Anelechi C. Argenziano, Michael

Bacha, Emile A.

Bains, Manjit S.

Boyd, Arthur D. Culliford, Alfred T, III

D'Ovidio, Frank

DeAnda, Abe, Jr.

Di Luozzo, Gabriele

Downey, Robert J.

Filsoufi, Farzan

Flores, Raja M.

Fontana, Gregory P.

Galloway, Aubrey C., Jr.

Girardi, Leonard N.

Green, George E.

Griepp, Randall B. Grossi, Eugene A.

Hochberg, Mark S.

Isom, O. Wayne

Jones, David R.

King, Thomas

Kirschner, Paul A.

Krieger, Karl H.

Kurlansky, Paul A.

Lacour-Gayet, Francois G.

Lee, Paul C.

Michler, Robert E.

Moggio, Richard A.

Mosca, Ralph S.

Naka, Yoshifumi

Oz, Mehmet C.

Pass, Harvey I.

Paul, Subroto

Port, Jeffrey L.

Quaegebeur, Jan Modest

Rose, Eric A.

Rusch, Valerie W.

Smith, Craig R.

Sonett, Joshua R.



Spencer, Frank C.
Spotnitz, Henry M.
Stewart, Allan S.
Stiles, Brendon M.
Subramanian, Valavanur A.
Tice, David A.
Veith, Frank J.
Wichern, Walter, Jr.
Williams, Mathew R.

Pelham

Adams, Peter X.

Plattsburgh

Potter, Robert T.

Purchase

Aklog, Lishan

Rochester

Hicks, George L., Jr. Schwartz, Seymour I. Stewart, Scott

Roslyn

Thomson, Norman B, Jr. Wisoff, George

Stony Brook

Bilfinger, Thomas V.

Syracuse

Kohman, Leslie J.

Valhalla

Lansman, Steven L. Spielvogel, David

Voorheesville

Foster, Eric D.

Williamsville

Andersen, Murray N.

NORTH CAROLINA

Asheville

Hill, Ronald C. Kroncke, George M. Takaro, Timothy

Biltmore Forest

Watson, Donald C.

Chapel Hill

Bowman, Frederick, Jr. Egan, Thomas M. Feins, Richard H. Mill, Michael R. Oldham, H. Newland, Jr. Sink, James D. Starek, Peter J.

Charlotte

Bridges, Charles R. Lobdell, Kevin W. Peeler, Benjamin B. Robicsek, Francis Selle, Jay G.

Durham

Anderson, Robert W.
D'Amico, Thomas A.
Davis, Robert D., Jr.
Glower, Donald D.
Harpole, David H., Jr.
Hughes, G. Chad
Jaquiss, Robert D.
Jones, Robert H.
Lin, Shu S.
Lowe, James E.
Milano, Carmelo A.
Onaitis, Mark
Smith, Peter K.
Wolfe, Walter G.

Greensboro

Van Trigt, Peter, III

Greenville

Chitwood, W. Randolph, Jr. Elbeery, Joseph R. Ferguson, T. Bruce, Jr. Kypson, Alan P. Nifong, L. Wiley

High Point

Mills, Stephen A.

Southport

Murray, Gordon F.

Winston-Salem

Hammon, John W., Jr. Hudspeth, Allen S. Kincaid, Edward H. Kon, Neal D. Meredith, Jesse H. Ungerleider, Ross M.

NORTH DAKOTA

Fargo

Dyke, Cornelius M.







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OHIO

Akron

Firstenberg, Michael S.

Aurora

Duncan, Brian W.

Beachwood

Cobanoglu, Adnan Loop, Floyd D.

Chagrin Falls

Ankeney, Jay L.

Cincinnati

Albers, John E.
Callard, George M.
Flege, John B, Jr.
Helmsworth, James A.
Hiratzka, Loren F.
Ivey, Tom D.
Morales, David L.
Smith, J. Michael
Wright, Creighton Bo

Cleveland

Blackstone, Eugene H. Cosgrove, Delos M. Gillinov, A. Marc Linden, Philip A. Lytle, Bruce W. Mason, David P. McCurry, Kenneth R. Mihaljevic, Tomislav Moazami, Nader Murthy, Sudish C. Navia, Jose L. Park, Soon J. Pettersson, Gosta B. Rice, Thomas W. Roselli, Eric E. Sabik, Joseph F., III Smedira, Nicholas G. Svensson, Lars G. Van Heeckeren, Daniel W.

Columbus

Crestanello, Juan A.
Davis, J. Terrance
Galantowicz, Mark E.
Higgins, Robert S.D.
Kakos, Gerard S.
Meckstroth, Charles
Moffatt-Bruce, Susan D.
Ross, Patrick, Jr.

Shinoka, Toshiharu Williams, Thomas E., Jr.

Dayton

DeWall, Richard A.

Grove City

Kilman, James W.

Toledo

Gold, Jeffrey P. Schwann, Thomas A.

OKLAHOMA

Oklahoma City

Burkhart, Harold M. Elkins, Ronald C. Fisher, R. Darryl Zuhdi, M. Nazih

OREGON

Days Creek

Miller, Arthur C.

Eugene

Turley, Kevin

Portland

Furnary, Anthony P. Handy, John R., Jr. Krause, Albert H. Lemmer, John H., Jr. Okies, J. Edward Song, Howard K. Starr, Albert

Sisters

Lupinetti, F. Mark

Springfield

Armitage, John M.

PENNSYLVANIA

Berwyn

Edie, Richard N. McKeown, John J, Jr.

Camp Hill

Pennock, John L.

Carlisle

DeMuth, William E, Jr.

Dallas

Cimochowski, George E.







Hershey

Campbell, David B. Myers, John L. Pae, Walter E. Pierce, William S.

Huntingdon Valley

Lemole, Gerald M.

Johnstown

Kolff, Jacob

Lancaster

Bonchek, Lawrence I.

Newtown Square

Jacobs, Marshall L.

Philadelphia

Acker, Michael A. Bavaria, Joseph E. Bowles, L. Thompson Cooper, Joel D. Diehl, James T. DiSesa, Verdi J. Edmunds, L. Henry, Jr. Friedberg, Joseph S. Gaynor, J. William Gorman, Joseph H., III Gorman, Robert C. Guerraty, Albert J. Hargrove, W. Clark, III Hirose, Hitoshi Kaiser, Larry R. MacVaugh, Horace Samuels, Louis E. Scott, Walter J. Spray, Thomas L. Szeto, Wilson Y. Toyoda, Yoshiya Wechsler, Andrew S.

Pittsburgh

Badhwar, Vinay Christie, Neil Gleason, Thomas G. Keenan, Robert J. Kormos, Robert L. Landreneau, Rodney J. Luketich, James D. Magovern, George J., Jr. Morell, Victor Pennathur, Arjun Rams, James J. Schuchert, Matthew J.

Sewickley

Clark, Richard E.

Wynnewood

Goldman, Scott M.

RHODE ISLAND

Providence

Moulton, Anthony L. Sellke, Frank W. Singh, Arun K.

SOUTH CAROLINA

Charleston

Bradley, Scott M. Crawford, Fred A., Jr. Ikonomidis, John S. Kratz, John M. Rubin, Joseph W. Sade, Robert M.

Columbia

Almond, Carl H. Spinale, Francis G.

Hilton Head Island

Humphrey, Edward W.

Hollywood

Bradham, R. Randolph

SOUTH DAKOTA

Rapid City

Oury, James H.

TENNESSEE

Johnson City

Pennington, D. Glenn

Jonesborough

Bryant, Lester R.

Knoxville

Blake, Hu Al Brott, Walter H.

Memphis

Garrett, H. Edward, Jr. Pate, James W. Shochat, Stephen J. Weiman, Darryl S.









Alford, William, Jr.
Bender, Harvey W, Jr.
Drinkwater, Davis C, Jr.
Gobbel, Walter G, Jr.
Merrill, Walter H.
Nesbitt, Jonathan C.
Putnam, Joe B., Jr.
Randolph, Judson G.
Rankin, J. Scott
Rodriguez, Evelio
Sawyers, John L.
Stoney, William S.
Thomas, Clarence S, Jr.

TEXAS

Austin

Tyson, Kenneth R.T. Wukasch, Don C.

Dallas

Adam, Maurice DiMaio, J. Michael Edgerton, James R. Estrera, Aaron S. Forbess, Joseph Guleserian, Kristine J. Holland, Robert H. Jessen, Michael E. Kernstine, Kemp H. Magee, Mitchell J. Mendeloff, Eric N. Meyer, Dan M. Platt, Melvin R. Ring, W. St

Dilley

Hood, Richard H, Jr.

Euless

McPhail, Jasper L.

Galveston

Conti, Vincent R. Lick, Scott D.

Grapevine

Sutherland, R. Duncan

Houston

Bakaeen, Faisal G. Cohn, William E. Cooley, Denton A. Coselli, Joseph S. Estrera, Anthony Fraser, Charles D. Frazier, O. Howard Gregoric, Igor D. Hallman, Grady L. Heinle, Jeffrey S. Hofstetter, Wayne L. Lawrie, Gerald M. LeMaire, Scott A. Letsou, George V. Loebe, Matthias Mattox, Kenneth L. McKenzie, Emmett De Mehran, Reza J. Ott, David A. Reardon, Michael J. Reul, George J, Jr. Rice, David C. Robbins, Robert C. Rosengart, Todd K. Roth, Jack A. Safi, Hazim J. Swisher, Stephen G. Vaporciyan, Ara A. Walsh, Garrett L.

Lubbock

Baldwin, John C. Bricker, Donald L. Feola, Mario

(lacktriangle)

Montgomery

Jones, James W.

Plano

Mack, Michael J.

San Antonio

Calhoon, John H. Carpenter, Andrea J. Cohen, David J. Sako, Edward Y. Treasure, Robert L.

Temple

Smythe, William R.

UTAH

Bountiful

Doty, Donald B.

Park City

Hughes, Richard K.

Salt Lake City

Bull, David A. Jones, Kent W. Karwande, Shreekanth V.



McGough, Edwin C. Nelson, Russell M. Selzman, Craig H.

VERMONT

Burlington

Deschamps, Claude Leavitt, Bruce J. Schmoker, Joseph D.

Hartland

Marrin, Charles A.S.

Post Mills

Snow, Norman J.

Richford

Grondin, Claude M.

VIRGINIA

Altavista

Pierucci, Louis, Jr.

Arlington

Trachiotis, Gregory D.

Charlottesville

Ailawadi, Gorav Crosby, Ivan K. Daniel, Thomas M. Gott, Vincent L. Kern, John A. Kozower, Benjamin D. Kron, Irving L. Lau, Christine L. Mentzer, Robert M., Jr. Nolan, Stanton P. Spotnitz, William D. Wellons, Harry A, Jr.

Crozier

Lofland, Gary K.

Delaplane

Speir, Alan M.

Falls Church

Ad, Niv Burton, Nelson A.

McLean

Conrad, Peter W. Lefrak, Edward A. Pecora, David V. Wallace, Robert B.

Norfolk

Baker, Lenox D. Rich, Jeffrey B.

Springfield

Mills, Mitchell

WASHINGTON

Issaquah

Gentsch, Thomas O.

Leavenworth

Miller, Donald W, Jr.

Mercer Island

Li, Wei-i Manhas, Dev R.

Seattle

Aldea, Gabriel S.
Allen, Margaret D.
Chen, Jonathan M.
Mansfield, Peter B.
McMullan, David M.
Mulligan, Michael S.
Nelson, Ronald J.
Sauvage, Lester R.
Thomas, George I.
Verrier, Edward D.
Wood, Douglas E.

Spokane

Berg, Ralph, Jr.

WEST VIRGINIA

Morgantown

Gustafson, Robert A.

WISCONSIN

Brookfield

Johnson, W. Dudley

Madison

Akhter, Shahab Chopra, Paramjeet S. Weigel, Tracey L.

Marshfield

Myers, William O.

Milwaukee

Almassi, Hossein Haasler, George B.









Love, Robert B. Tector, Alfred J. Tweddell, James S.

Somerset

Kaye, Michael P.

WYOMING

Shell

Scott, Meredith L.

CANADA

ALBERTA

ONTARIO

Calgary

Fedak, Paul W.

Edmonton

Casson, Alan G. Freed, Darren H. Koshal, Arvind Rebeyka, Ivan M. Ross, David B.

BRITISH COLUMBIA

Vancouver

Gandhi, Sanjiv K. Jamieson, W.R. Eric Tyers, G. Frank O.

Victoria

Gelfand, Elliot T. Stenstrom, John D.

West Vancouver

Finley, Richard J.

MANITOBA

Winnipeg

Arora, Rakesh C. Barwinsky, Jaroslaw Menkis, Alan H. Unruh, Helmut W.

NOVA SCOTIA

Halifax

Hirsch, Gregory M. Legare, Jean-Francois

Ketch Harbour

Johnston, Michael R.

Kingsburg

Murphy, David A.

Almonte

Todd, Thomas R.J.

Collingwood

Heimbecker, Raymond

Dunrubin

Keon, Wilbert J.

London

Guiraudon, Gerard M. McKenzie, F. Neil Novick, Richard J.

Mansfield

Pearson, F. Griffith

Oakville

Allen, Peter

Ottawa

Hendry, Paul J. Mesana, Thierry G. Ruel, Marc Sundaresan, R. Sudhir

Toronto

Baird, Ronald J. Caldarone, Christopher A. Christakis, George T. Coles, John G. Darling, Gail E. David, Tirone E. De Perrot, Marc Feindel, Christopher M. Fremes, Stephen E. Goldberg, Melvyn Goldman, Bernard S. Keshavjee, Shaf McKneally, Martin F. Rao, Vivek Scully, Hugh E. Trusler, George A. Van Arsdell, Glen Verma, Subodh

Waddell, Thomas K.





Weisel, Richard D. Williams, William G. Yasufuku, Kazuhiro Yau, Terrence M.

Waubaushene

Mickleborough, Lynda L.

QUEBEC

Montreal

Blundell, Peter E. Carrier, Michel Chartrand, Claude C.C. Chiu, Chu-Jeng (Ray) Dobell, Anthony R.C.

Duranceau, Andre C.H. Ferraro, Pasquale Morin, Jean E. Mulder, David S. Pelletier, L. Conrad Perrault, Louis P. Shum-Tim, Dominique Tchervenkov, Christo I.

Quebec City

Deslauriers, Jean

Rosemere

Cossette, Robert

Verdun

MacLean, Lloyd D.

OTHER COUNTRIES

ARGENTINA

Buenos Aires

Favaloro, Roberto R. Kreutzer, Guillermo O. Navia, Daniel O. Schlichter, Andres J.

El Palomar, Provinci

Kreutzer, Christian

AUSTRALIA

Melbourne

Konstantinov, Igor E.

Parkville

d'Udekem, Yves

QUEENSLAND

Main Beach

O'Brien, Mark F.

South Brisbane

Karl. Tom R.

SOUTH AUSTRALIA

Nurioopta

Aberg, Torkel H.

TASMANIA

St Helens

Buxton, Brian F.

VICTORIA

Melbourne

McGiffin, David C.

Parkville

Tatoulis, James

Williams Town

Mee, Roger B.

AUSTRIA

Salzburg

Unger, Felix H.

Thumersbach

Bruecke, Peter E.

Vienna

Klepetko, Walter Laufer, Guenther Mueller, Michael R. Wolner, Ernst

BARBADOS

St. James

Khonsari, Siavosh Sintek, Colleen F.

BELGIUM

Aalst

Casselman, Filip P.

Antwerp

Van Schil, Paul E.

Brussels

El Khoury, Gebrine Poncelet, Alain J.

193







Genk

Dion, Robert A.

Gent

Francois, Katrien

Knokke

Vanermen, Hugo K.I.

Leuven

Daenen, Willem J.
De Leyn, Paul
Flameng, Willem
Lerut, Antoon E.
Sergeant, Paul T.
Van Raemdonck, Dirk E.

BRAZIL

Campinas

Petrucci, Orlando

Recife

Lima, Ricardo C.

Rio de Janeiro

Meier, Milton A.

S.J. RioPreto

Braile, Domingo M.

São Paulo

Da Silva, Jose Pedro Jatene, Adib D. Oliveira, Sergio A.

CHILE

Santiago

Zalaquett, Ricardo A.

CHINA

Beijing

Chen, Ke-Neng Gao, Changqing Hu, ShengShou Sun, Li-Zhong Wu, Qingyu

Shanghai

Chen, Haiquan S. Liu, Jinfen

Tianjin

He, Guo-Wei Liu, Xiao-Cheng

FINLAND

Grankulla

Mattila, Severi P.

Helsinki

Harjula, Ari L.J.

Tampere

Mennander, Ari A.

FRANCE

Bordeaux-Pessac

Roques, Xavier F.

Bordeaux

Fontan, Francis M.

Le Plessis Robinson

Dartevelle, Philippe G. Fadel, Elie Planche, Claude Serraf, Alain

Lyon

Jegaden, Olivier L. Obadia, Jean-Francois Le

Marseille

Metras, Dominique R. Thomas, Pascal A.

Montpellier

Thevenet, Andre A.

Nogent sur Marne

Bachet, Jean E.

Paris

Binet, Jean-Paul
Blondeau, Philip
Cabrol, Christian E A.
Carpentier, Alain F.
Chachques, Juan C.
Chauvaud, Sylvain M.
Grunenwald, Dominique H.
Loisance, Daniel Y.
Menasche, Philippe
Piwnica, Armand H.
Vouhe, Pascal R.

Pessac

Baudet, Eugene M. Couraud, Louis

Strasbourg

Massard, Gilbert







Suresnes

Chapelier, Alain R.

GERMANY

Aachen

Messmer, Bruno J.

Bad Nauheim

Walther, Thomas

Berlin

Alexi-Meskishvili, Vladimir Hetzer, Roland Leschber, Gunda

Cologne

Wahlers, Thorsten C.

Duisburg

Koerfer, Reiner

Dusseldorf

Daebritz, Sabine H.

Essen

Jakob, Heinz G.

Freiburg

Beyersdorf, Friedhelm Siepe, Matthias

Hamburg

Reichenspurner, Hermann

Hannover

Haverich, Axel Shrestha, Malakh L.

Homburg/Saar

Schaefers, Hans-Joachim

Leipzig

Borger, Michael A. Mohr, Friedrich W.

Loiching

Sebening, Fritz

Lubeck

Sievers, Hans-Hinrich

Muenster

Malec, Edward J.

Munich

Borst, Hans G. Lange, Rudiger S. Schreiber, Christian

Neuss

Bircks, Wolfgang H.

GREECE

Athens

Palatianos, George M. Sarris, George E.

GUATEMALA

Espada, J. Rafael

Guatemala City

Castaneda, Aldo R. Herrera-Llerandi, Rodolfo

HONG KONG

Hong Kong

Wan, Song Yim, Anthony P.

INDIA

Delhi

SampathKumar, A.

Hyderabad

Sajja, Lokeswara R.

Mogappair, Chennai

Cherian, K. Mammen

New Delhi

Iyer, Krishna S.

ISRAEL

Haifa

Best, Lael Anson

Jerusalem

Shapira, Oz M.

Tel-Hashomer

Raanani, Ehud

ITALY

Bergamo

Galletti, Lorenzo

Bologna

Mattioli, Sandro Pacini, Davide

Brescia

Muneretto, Claudio







Genova

Santini, Francesco

Milan

Alfieri, Ottavio R. Parolari, Alessandro Peracchia, Alberto Roviaro, Giancarlo

Naples

Cotrufo, Maurizio Rocco, Gaetano

Padova

Gerosa, Gino Stellin, Giovanni

Pisa

Bortolotti, Uberto Melfi, Franca M.A.

Rome

De Paulis, Ruggero Pompeo, Eugenio Rendina, Erino Angelo Venuta, Federico

San Donato Milanese

Frigiola, Alessandro Menicanti, Lorenzo A.

Udine

Livi, Ugolino

Verona

Faggian, Giuseppe G.

JAPAN

Chiba

Yoshino, Ichiro

Fukuoka

Yasui, Hisataka

Hayama

Isomura, Tadashi

Hiroshima

Okada, Morihito

Kanazawa

Iwa, Takashi

Kitakyushushi

Miyamoto, Alfonso T.

Kobe

Okita, Yutaka

Kyoto

Date, Hiroshi Wada, Hiromi

Minoo City

Kawashima, Yasunaru

Narai

Komeda, Masashi

Nara

Ueda, Yuichi

Nasushiobara

Bando, Ko

Okayama

Sano, Shunji Miyoshi, Shinichiro

Osaka

Kitamura, Soichiro Kobayashi, Junjiro Minatoya, Kenji

Sapporo

Abe, Tomio Kazui, Teruhisa

Sendai

Fujimura, Shigefumi Mohri, Hitoshi Tabayashi, Koichi

Suita, Osaka

Yagihara, Toshikatsu

Suita

Ichikawa, Hajime

Takarazuka, Hyogo

Matsuda, Hikaru

Tokyo

Amano, Atsushi Imai, Yasuharu Koyanagi, Hitoshi Kurosawa, Hiromi Motomura, Noboru Nitta, Takashi Ogino, Hitoshi Suma, Hisayoshi Tabata, Minoru Takamoto, Shinichi Takanashi, Shuichiro Yozu, Ryohei

Tsu

Shimpo, Hideto





196



KOREA

Seoul

Chang, Byung-Chul Cho, Bum-Koo Lee, Jae Won

LEBANON

Beirut

Jebara, Victor

MONACO

Monaco Cedex

Dor, Vincent

Monte Carlo Cedex

Dreyfus, Gilles D.

NETHERLANDS

Amerongen

Jansen, Erik W.L.

Amsterdam

Brutel De La Riviere, Aart

Rotterdam

Kappetein, A. Pieter P.

NORWAY

Bergen

Haaverstad, Rune

Oslo

Lindberg, Harald L.

POLAND

Katowice

Deja, Marek A.

Krakow

Kuzdzal, Jaroslaw

Szczecin

Grodzki, Tomasz

Warsaw

Maruszewski, Bohdan J.

Zabrze

Zembala, Marian

Zakopane

Zielinski, Marcin

PORTUGAL

Coimbra

Antunes, Manuel J.

REPUBLIC OF KOREA

Seoul

Kim, Ki-Bong

ROMANIA

Targu-Mures

Deac, Radu C.

RUSSIA

Moscow

Bockeria, Leo A. Dzemeshkevich, Sergey L.

SAUDI ARABIA

Riyadh

Ál-Halees, Zohair Y. Calafiore, Antonio M. Corno, Antonio F. Di Donato, Roberto M. Najm, Hani K.

SINGAPORE

Singapore

Lee, Chuen-Neng

SOUTH AFRICA

Durban

Kleinloog, Robert







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SPAIN

Barcelona

Aris, Alejandro Mestres, Carlos A.F. Molins, Laureano Murtra, Marcos

Pomar, Jose L.

Madrid

Comas, Juan V. Rivera, Ramiro

Pozuelo de Alarcon.M

Rufilanchas Sanchez, Juan J.

Salamanca

Varela, Gonzalo

Santander

Revuelta, Jose Manuel

Valencia

Martinez-Leon, Juan Otero Coto, Eduardo

SWEDEN

Stockholm

Lindblom, Dan Macchiarini, Paolo

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THORACIC SURGERY FOUNDATION FOR RESEARCH AND EDUCATION

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The Thoracic Surgery Foundation for Research and Education (TSFRE) was established in 1988 as a 501(c)(3) not-for-profit charitable organization. Representatives from the four leading thoracic surgery

societies – the American Association for Thoracic Surgery (AATS), The Society of Thoracic Surgeons (STS), the Southern Thoracic Surgical Association (STSA), and the Western Thoracic Surgical Association (WTSA) serve on the TSFRE Board of Directors, and each organization provides financial support to TSFRE. The Foundation represents all of thoracic surgery in the United States and its research and educational initiatives support the broad spectrum of thoracic surgery.

The mission of TSFRE is to foster the development of surgeon scientists in cardiothoracic surgery; increasing knowledge and innovation to benefit patient care.

TSFRE supports research and education initiatives to:

- ☐ Expand the specialty's knowledge about cardiothoracic surgical treatment options
- ☐ Enhance the care of patients with cardiothoracic diseases
- ☐ Develop the skills of cardiothoracic surgeons, both as surgeon-scientists and as health policy leaders

TSFRE has supported over \$11 million toward thoracic research and education programs, and has supported over 250 Alley-Sheridan Scholarships.

Your donations to TSFRE have a direct impact on the future of cardiothoracic surgery and the welfare of our patients. Please consider making an annual donation to TSFRE via the following options:

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TSFRE 2014 RESEARCH AWARD RECIPIENTS*

Name	Institution	Type	Duration	Amount	Title
Ravi K. Ghanta	University of Virginia	TSFRE Research Grant	2 Years	\$80,000	"Therapeutic Mechanical Modification of Myocardial Infarcts with Tunable Nanofibers to Prevent Ventricular Remodeling"
Ann C. Gaffey	University of Pennsylvania	TSFRE Braunwald Research Fellowship	2 Years	\$60,000	"A Novel, Vascularized Clinically Translatable Tissue Engineered Construct to Provide Aniogenic Endothelial Projenitor Cell Therapy to Treat Ischemic Cardiomyopathy"
Emily Downs*	University of Virginia	TSFRE Braunwald Research	2 Year	\$60,000	"Anisotrophic Reinforcement of Acute Right Ventricular Dysfunction"
Dawn S. Hui	St. Louis University	TSFRE Simulation	1 Year	\$15,000	"Defining Nontechnical Predictors and Number of Repetitions to Reach Technical Skill Proficiency on Coronary Anastomosis Simulation Prior to Patient Experience"
Linda W. Martin	University of Maryland	Carolyn E. Reed Traveling Fellowship	1 Year	\$10,000	"Robotic Thoracic Surgery at the University of Alabama at Birmingham"
Edward Cantu	University of Pennsylvania	TSFRE NHLBI K08 Matching Grant	5 Year	\$150,000	"Lung Transplant Donor: Prediction, Evaluation, and Mechanism"
				\$375,000	

^{*}As of 02/27/14

204





AATS CME MEETINGS AND EDUCATIONAL ACTIVITIES

2014 Meetings and Programs

AATS Cardiovascular Valve Symposium

September 4-6, 2014

Hilton Istanbul, Istanbul, Turkey

Masters of Minimally Invasive Thoracic Surgery

September 18-20, 2014

Waldorf Astoria Orlando, Orlando, FL, USA

Heart Valve Summit 2014: Medical, Surgical and Interventional Decision Making

September 18-20, 2014

Radisson Blu Aqua, Chicago, IL, USA

Cleveland Clinic 21st Century Treatment of Heart Failure

October 16-17, 2014

Intercontinental Hotel and Bank of America Conference Center, Cleveland, OH, USA

AATS Focus on Thoracic Surgery: Novel Technologies in Lung Cancer

November 21-22, 2014

Renaissance Boston Waterfront Hotel, Boston, MA, USA





FUTURE AATS ANNUAL MEETINGS

AATS 95th Annual Meeting

April 25–29, 2015 Washington State Convention Seattle, WA, USA

AATS 96th Annual Meeting

May 14–18, 2016 Baltimore Convention Center Baltimore, MD, USA

AATS 97th Annual Meeting

April 29–May 3, 2017 Hynes Convention Center Boston, MA, USA

AATS 98th Annual Meeting

April 28–May 2, 2018 San Diego Convention Center San Diego, CA, USA



