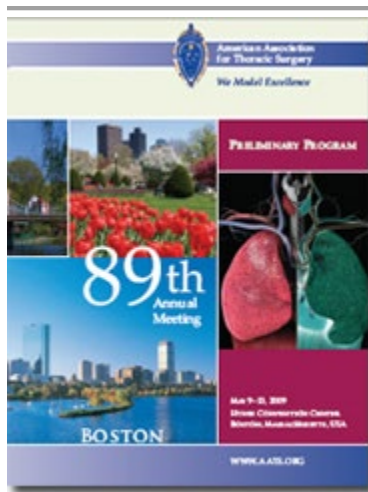


## 2009 ANNUAL MEETING



**89th Annual Meeting**  
May 9 - 13, 2009  
Hynes Convention Center  
Boston, Massachusetts

## 2009 PROGRAM AND ABSTRACTS



### Preliminary Program Outline

#### SATURDAY, MAY 9, 2009

<b>8:00 am – 12:00 pm</b>	<b>New Technologies and Procedures in Congenital and Acquired Heart Surgery</b> Room 302-306, Hynes Convention Center <b>Chairman:</b> Mark E. Galantowicz, MD Nationwide Children's Hospital
<b>8:00 am – 8:10 am</b>	<b>Welcome and Introduction</b>
<b>8:10 am – 8:30 am</b>	<b>Overview of Pediatric Heart Assist Devices in Development</b> Tim Baldwin, PhD National Heart Lung and Blood Institute
<b>8:30 am – 8:50 am</b>	<b>A Decision Matrix to Guide Device Selection for Pediatric Circulatory Support</b>

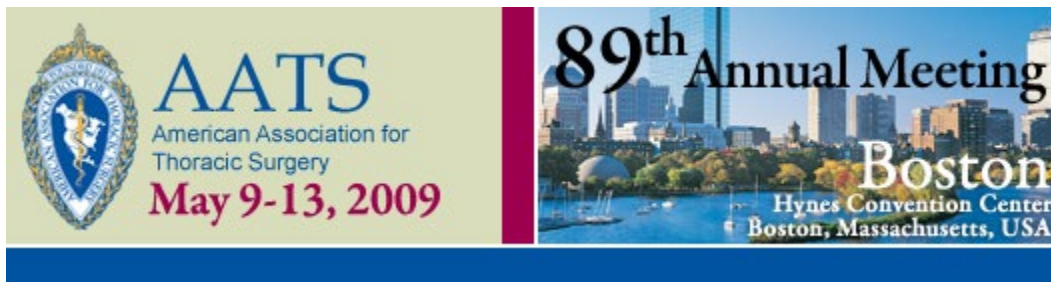
Brian W. Duncan, MD  
Cleveland Clinic Foundation

- 8:50 am – 9:10 am** **A Decision Matrix for Adult Mechanical Circulatory Support**  
Benjamin C. Sun, MD  
Ohio State University
- 9:10 am – 9:30 am** **Heart Transplantation and High Pulmonary Vascular Resistance:  
Another Fallen Commandment?**  
Sanjiv K. Gandhi, MD  
Saint Louis Children's Hospital
- 9:30 am – 10:00 am** **Pulmonary Assist Devices—Where Do We Stand?**  
Robert H. Bartlett, MD  
University of Michigan
- 10:00 am – 10:30 am** **BREAK**
- 10:30 am – 10:50 am** **Hybrid Approach to HLHS**  
Mark E. Galantowicz, MD  
Nationwide Children's Hospital
- 10:50 am – 11:10 am** **Hybrid Approach to other Congenital Heart Defects**  
Emile A. Bacha, MD  
Children's Hospital Boston
- 11:10 am – 11:30 am** **Advanced Imaging in Coronary Surgery and Hybrid Procedures**  
John G. Byrne, MD  
Vanderbilt Heart Institute
- 11:30 am – 11:50 am** **3-D Image Based Surgical Planning of Aortic Valve Repair**  
Pedro J. del Nido, MD  
Children's Hospital Boston
- 11:50 am – 12:00 pm** **Discussion**
- 8:00 am – 12:00 pm** **Thoracic Developmental Skills**  
Room 312, Hynes Convention Center  
**Chairman:** Raja M. Flores, MD  
Memorial Sloan- Kettering Cancer Center
- 8:00 am – 8:05 am** **Welcome and Introduction**  
Raja M. Flores, MD  
Memorial Sloan-Kettering Cancer Center
- 8:05 am – 8:25 am** **The Thoracic Surgeon and Endobronchial Ultrasound**  
Harvey I. Pass, MD  
New York University
- 8:25 am – 8:45 am** **VATS Lobectomy: Technical Details of All Five Lobes**  
Raja M. Flores, MD  
Memorial Sloan-Kettering Cancer Center
- 8:45 am – 9:05 am** **Robotic Lobectomy**  
Bernard J. Park, MD  
Memorial Sloan-Kettering Cancer Center
- 9:05 am – 9:25 am** **Thoracoscopic LVRS and Sympathectomy**  
Robert J. McKenna, MD  
Cedars Sinai Medical Center

<b>9:25 am – 9:45 am</b>	<b>Resection and Reconstruction of Major Intrathoracic Vascular Structures</b> Erino A. Rendina, MD University La Sapienza
<b>9:45 am – 10:15 am</b>	<b>BREAK</b>
<b>10:15 am – 10:35 am</b>	<b>Ivor Lewis Esophagectomy–Refined, Expeditious and Oncologically Sound</b> Manjit S. Bains, MD Memorial Sloan-Kettering Cancer Center
<b>10:35 am – 10:55 am</b>	<b>Minimally Invasive Esophagectomy</b> Michael S. Kent, MD Beth Israel Deaconess Medical Center
<b>10:55 am – 11:15 am</b>	<b>Tracheal Lesions– Initial Management and Subsequent Surgical Treatment</b> Joel D. Cooper, MD University of Pennsylvania
<b>11:15 am – 11:35 am</b>	<b>Chest Wall Resection and Reconstruction</b> Michael J. Weyant, MD University of Colorado
<b>11:35 am – 12:00 pm</b>	<b>Discussion</b>
<b>1:00 pm – 5:00 pm</b>	<b>Developing the Academic Surgeon</b> Room 302-306, Hynes Convention Center <b>Chairman:</b> A. Marc Gillinov, MD Cleveland Clinic Foundation
<b>1:00 pm – 1:10 pm</b>	<b>Introduction and Course Overview</b> A. Marc Gillinov, MD Cleveland Clinic Foundation
<b>1:10 pm – 1:30 pm</b>	<b>Academic Practice in Cardiothoracic Surgery: An Outdated Concept?</b> Irving L. Kron, MD University of Virginia Health System
<b>1:30 pm – 1:50 pm</b>	<b>The Cardiothoracic Surgeon as an Educator</b> Stephen C. Yang, MD Johns Hopkins Medical Institute
<b>1:50 pm – 2:10 pm</b>	<b>Basic Research in Thoracic Surgery</b> David R. Jones, MD University of Virginia Health System
<b>2:10 pm – 2:30 pm</b>	<b>Research and Medical Device Development</b> A. Marc Gillinov, MD Cleveland Clinic Foundation
<b>2:30 pm – 3:00 pm</b>	<b>Cardiothoracic Surgery: A Time of Opportunity</b> James L. Cox, MD Washington University/St. Louis
<b>3:00 pm – 3:20 pm</b>	<b>BREAK</b>
<b>3:20 pm – 3:40 pm</b>	<b>Beyond Clinical Trials: Building an Evidence Basis for Cardiothoracic Surgery of the Future</b> Eugene H. Blackstone, MD Cleveland Clinic Foundation

- 3:40 pm – 4:00 pm**     **The NIH–Sponsored Cardiothoracic Surgical Trials Network**  
 Timothy J. Gardner, MD  
 Christiana Care Health System
- 4:00 pm – 4:20 pm**     **Training for the Future**  
 Matthew R. Williams, MD  
 Columbia University
- 4:20 pm – 4:40 pm**     **Cardiovascular Disease: An Integrated, Programmatic Approach**  
 Bruce W. Lytle, MD  
 Cleveland Clinic Foundation
- 4:40 pm – 5:00 pm**     **Discussion**

## 2009 PROGRAM AND ABSTRACTS



### Preliminary Program Outline

#### SUNDAY, MAY 10, 2009 | AATS/STS Postgraduate Symposia

**8:00 am - 5:00 pm**     **AATS/STS ADULT CARDIAC SURGURY SYMPOSIUM**  
 Ballroom 20 A-C, Hynes Convention Center  
**Chairmen:** Michael A. Acker, MD  
 Joseph E. Bavaria, MD  
*University of Pennsylvania*

#### Session I     Thoracic Aorta

8:00am – 8:20 am     **TEVAR: Indications, Current Trends and Results**  
 G. Chad Hughes, MD

8:20am – 8:40 am     **TEVAR in Setting of Aortic Dissection: Type A and B**  
 Alberto Pochettino, MD  
*University of Pennsylvania*

8:40am – 9:00 am     **Hybrid Arch**  
 Wilson Y. Szeto, MD  
*University of Pennsylvania*

**9:00 am - 9:15 am**     **Discussion**

#### Session II     Aortic Root/Aortic Valve

9:15 am - 9:35 am	<b>Aortic Valve Repair/Retention with Aortic Root Disease</b> G. Michael Deeb, MD <i>University of Michigan</i>
9:35 am - 9:55 am	<b>Aortic Valve Repair without Root Pathology Tricuspid/Bicuspid</b> Gebrine El Khoury <i>St-Luc Hospital</i>
9:55 am - 10:15 am	<b>BREAK</b>
10:15 am - 10:35 am	<b>Transcatheter Aortic Valve Replacement: Transfemoral</b> Joseph E. Bavaria, MD <i>University of Pennsylvania</i>
10:35 am - 10:55 am	<b>Transcatheter Aortic Valve Replacement: Transapical</b> Todd M. Dewey, MD <i>Medical City Dallas Hospital</i>
10:55 am - 11:10 am	<b>Discussion</b>

### Session III Mitral Valve Repair

11:10 am - 11:30 am	<b>3-D Echo: Clinical Breakthrough or Pretty Pictures?</b> Joseph S. Savino, MD <i>University of Pennsylvania</i>
11:30 am - 11:50 am	<b>Degenerative Disease: Complex Repair Made Simple</b> David H. Adams, MD <i>Mount Sinai Medical Center</i>
11:50 am - 12:05 pm	<b>Discussion</b>
12:05 pm - 1:05 pm	<b>LUNCH</b>

### Session IV Surgical Decision Making: When Are Two Valve Procedures Better Than One?/ Atrial Fibrillation

1:05 pm - 1:25 pm	<b>The Surgical Treatment of Atrial Fibrillation: Are We Ready for Prime Time?</b> Niv Ad, MD <i>Fairfax Hospital</i>
1:25 pm - 1:45 pm	<b>Aortic Stenosis/ Mitral Regurgitation:When to Repair the Mitral Valve?</b> Thomas G. Gleason, MD <i>University of Pittsburgh</i>
1:45 pm - 2:05 pm	<b>Mitral Stenosis/Mitral Regurgitation and Tricuspid Regurgitation: When to Repair the Tricuspid Valve?</b> Richard J. Shemin, MD <i>University of California, Los Angeles</i>
2:05 pm - 2:20 pm	<b>Discussion</b>

### Session V Heart Failure

2:20 pm - 2:40 pm	<b>Should Functional Mitral Regurgitation in Heart Failure Patients be Repaired?</b> Patrick M. McCarthy, MD <i>Northwestern University</i>
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- 2:40 pm - **Small VADs: Solution for Heart Failure**  
 3:00 pm Michael A. Acker, MD  
*University of Pennsylvania*
- 3:00 pm - **Indications for Surgical Revascularization in Heart Failure Patients**  
 3:20 pm Y. Joseph Woo, MD  
*University of Pennsylvania*
- 3:20 pm - **Discussion**  
 3:35 pm
- 3:35 pm - **BREAK**  
 3:55 pm

**Session VI Coronary Artery Bypass**

- 3:55 pm - **Drug Eluding Stents: Has the Pendulum Started to Swing Back?**  
 4:15 pm David P. Taggart, MD  
*University of Oxford*
- 4:15 pm - **Debate– Optimal Coronary Revascularization: Off Pump (Puskas) vs. On Pump (Sabik) vs. Hybrid (Byrne)**  
 4:35 pm John D. Puskas, MD  
*Emory University*
- Joseph F. Sabik, MD  
*Cleveland Clinic*
- John G. Byrne, MD  
*Vanderbilt Heart Institute*
- 4:35 pm - **Discussion**  
 4:50 pm
- 5:00 pm **Welcome Reception** Exhibit Hall

**SUNDAY, MAY 10, 2009**

- 8:00 am - **GENERAL THORACIC SURGERY SYMPOSIUM**  
 5:00 pm Room 302-306, Hynes Convention Center  
**Chairman:** David H. Harpole, Jr., MD  
*Duke University*

- 8:00 am - **Introduction and Course Overview**  
 8:10 am David H. Harpole, Jr., MD  
*Duke University*

**Session I Non-small Cell Lung Cancer**

- 8:10 am - **New Lung Cancer Staging System**  
 8:30 am Joe B. Putnam, MD  
*Vanderbilt University*
- 8:30 am - **Chemotherapy 101**  
 9:00 am Ramaswamy Govindan, MD  
*Washington University*
- 9:00 am - **Tyrosine Kinase Inhibitors**  
 9:30 am Pasi A. Janne, MD, PhD  
*Dana-Farber Cancer Institute*

9:30 am - 10:00 am	<b>Anti-angiogenesis and other Molecular Targets</b> Thomas J. Lynch, MD <i>Massachusetts General Hospital</i>
10:00 am - 10:15 am	<b>Discussion</b>
10:15 am - 10:45 am	<b>BREAK</b>
10:45 am - 11:15 am	<b>Radiotherapy 101</b> Jeffrey Bogart, MD <i>State University of New York Upstate Medical University</i>
11:15 am - 11:45 am	<b>Current Early Stage Lung Cancer Trials</b> Eric Valleries, MD <i>Swedish Cancer Institute</i>
11:45 am - 12:00 pm	<b>Discussion</b>
12:00 pm - 1:00 pm	<b>LUNCH</b>
<b>Session II</b>	<b>Controversies in Lung Cancer</b>
1:00 pm - 1:30 pm	<b>Mediastinoscopy or EBUS/EUS</b> Bryan F. Meyers, MD, MPH <i>Washington University</i>
1:30 pm - 2:00 pm	<b>Who is Medically Inoperable?</b> Robert J. Cerfolio, MD <i>University of Alabama</i>
2:00 pm - 2:30 pm	<b>Ablative Therapies for Nodules</b> Jo-Anne O. Shepard, MD <i>Massachusetts General Hospital</i>
2:30 pm - 3:00 pm	<b>Upfront or Outback Chemotherapy</b> Ramaswamy Govindan, MD <i>Washington University</i>
3:00 pm - 3:30 pm	<b>BREAK</b>
<b>Session III</b>	<b>Updates of General Thoracic Surgery</b>
3:30 pm - 4:00 pm	<b>STS Database Risk Adjustment</b> Cameron D. Wright, MD <i>Massachusetts General Hospital</i>
4:00 pm - 4:20 pm	<b>Pulmonary Metastasectomy</b> Thomas A. D'Amico, MD <i>Duke University</i>
4:20 pm - 4:40 pm	<b>Interventions for Emphysema</b> Malcolm M. DeCamp, MD <i>Beth Israel Deaconess Medical Center</i>
4:40 pm - 5:00 pm	<b>Discussion</b>
5:00 pm	<b>WELCOME RECEPTION</b> – Exhibit Hall
8:00 am - 5:00 pm	<b>Congenital Heart Disease Symposium</b> Room 312, Hynes Convention Center

	<b>Chairman:</b> J. William Gaynor, MD Children's Hospital of Philadelphia
	<b>Welcome and Introduction:</b> J. William Gaynor, MD <i>Children's Hospital of Philadelphia</i>
<b>Session I</b>	<b>Pro/Con Debate:</b> <b>NIRS is "Standard of Care" for Post-operative Management</b>
<b>8:00 am - 8:15 am</b>	<b>Pro:</b> James S. Tweddell, MD <i>Medical College of Wisconsin</i>
<b>8:15 am - 8:30 am</b>	<b>Con:</b> Jennifer C. Hirsch, MD <i>University of Michigan</i>
<b>8:30 am - 9:00 am</b>	<b>Discussion</b>
<b>Session II</b>	<b>Surgical Techniques</b> "How I Do It"
<b>9:00 am - 9:20 am</b>	<b>Aortic Valvuloplasty for Aortic Regurgitation</b> Richard A. Jonas, MD Children's National Medical Center
<b>9:20 am - 9:30 am</b>	<b>Discussion</b>
<b>Session III</b>	<b>Pro/Con Debate:</b> Use of a Fenestration Should be Routine During the Fontan Procedure
<b>9:30 am - 9:45 am</b>	<b>Pro:</b> Scott M. Bradley, MD <i>Medical University of South Carolina</i>
<b>9:45 am - 10:00 am</b>	<b>Con:</b> Frank L. Hanley, MD <i>Stanford University</i>
<b>10:00 am - 10:30 am</b>	<b>Discussion</b>
<b>10:30 am - 10:50 am</b>	<b>BREAK</b>
<b>Session IV</b>	<b>Clinical Research in Pediatric Cardiac Surgery: How Can We Do Better?</b>
<b>10:50 am - 11:05 am</b>	<b>Uses and Limitations of Academic and Registry Databases</b> William G. Williams, MD <i>The Hospital for Sick Children</i>
<b>11:05 am - 11:20 am</b>	<b>Randomized Treatment Trials: Lessons Learned from the BCAS and Other Studies</b> Jane W. Newburger, MD, MPH <i>Children's Hospital Boston</i>
<b>11:20 am - 11:35 am</b>	<b>Multi-institutional Studies: Lessons Learned from the CHSS Studies</b> Christopher A. Caldarone, MD <i>The Hospital for Sick Children</i>
<b>11:35 am - 11:50 am</b>	<b>Multi-institutional Studies: Lessons Learned from the SVR Trial</b> Richard G. Ohye, MD <i>University of Michigan</i>
<b>11:50 am - 12:00 pm</b>	<b>Discussion</b>



12:00 pm -  
1:00 pm

**LUNCH**

**Session V—Variability in Outcomes**

1:00 pm -  
1:20 pm

**Perioperative Genomics: Why do “Similar” Patients have Different Outcomes?**

Mark F. Newman, MD  
*Duke University*

1:20 pm -  
1:40 pm

**Does Protocol Driven Post-operative Management Improve Outcomes?**

Peter C. Laussen, MD  
*Children’s Hospital Boston*

1:40 pm -  
2:00 pm

**Difficulties Comparing Outcomes Between Institutions** Karl F.

Welke, MD  
*Oregon Health and Science University*

2:00 pm -  
2:20 pm

**How Do We Translate Clinical Research to Clinical Practice?**

Gil Wernovsky, MD  
*Children’s Hospital of Philadelphia*

2:20 pm –  
2:30 pm

**Discussion**

**Session VI**

**Surgical Techniques: “How I Do It”**

2:30 pm -  
2:50 pm

**Living-Donor Lobar Lung Transplantation**

Vaughn A. Starnes, MD  
*University of Southern California*

2:50 pm -  
3:00 pm

**Discussion**

3:00 pm -  
3:20 pm

**BREAK**

**Session VII**

**The Fontan/Kreutzer Procedure at 40**

3:20 pm -  
3:30 pm

**Surgical Repair of Tricuspid Atresia**

Francis M. Fontan, MD

3:30 pm -  
3:40 pm

**An Operation for Correction of Tricuspid Atresia**

Guillermo O. Kreutzer, MD  
*Ricardo Gutierrez Children’s Hospital*

3:40 pm -  
4:00 pm

**Evolution of the Fontan/Kreutzer Procedure**

Marc R. de Leval, MD  
*International Congenital Cardiac Centre*

4:00 pm -  
4:20 pm

**Current Status of Survivors of the Fontan/Kreutzer Procedure**

Jack Rychik, MD  
*Children’s Hospital of Philadelphia*

4:20 pm -  
4:40 pm

**The Fontan/Kreutzer Procedure: Future Directions**

Edward L. Bove, MD  
*University of Michigan*

4:40 pm -  
5:00 pm

**Discussion**

5:00 pm

**WELCOME RECEPTION** – Exhibit Hall

**SUNDAY AFTERNOON, MAY 10, 2009**

3:00 pm -  
5:00 pm

## **C. WALTON LILLEHEI RESIDENT FORUM SESSION**

Room 311, Hynes Convention Center  
(7 minutes presentation, 8 minutes discussion)  
Moderators: Gus J. Vlahakes, MD  
Ara A. Vaporciyan, MD

### **L1. In Vivo Structure and Function of Engineered Pulmonary Valves**

Danielle Gottlieb,<sup>1</sup> Kunal Tandon,<sup>1</sup> Sitaram Emani,<sup>1</sup> Elena Aikawa,<sup>2</sup> David W. Brown,<sup>1</sup> Andrew J. Powell,<sup>1</sup> Arthur Nedder,<sup>1</sup> Michael S. Sacks,<sup>3</sup> John E. Mayer<sup>1</sup>

*1. Children's Hospital Boston and Harvard Medical School, Boston, MA, USA*

*2. Massachusetts General Hospital and Harvard Medical School, Boston, MA, USA*

*3. University of Pittsburgh, Pittsburgh, PA, USA*

### **L2. The Graft Imaging to Improve Patency (GRIIP) Trial Results**

Steve Singh, Nimesh Desai, Genta Chikazawa, Hiroshi Tsuneyoshi, Visal Pen, Jessica Vincent, Jennifer Ku, Fuad Moussa, Gideon Cohen, George Christakis, Stephen E. Frenes  
Sunnybrook Health Sciences Centre,  
Toronto, ON, Canada

### **L3. Tissue Engineered Pro-Angiogenic Fibroblast Matrix Improves Myocardial Perfusion and Function and Limits Ventricular Remodeling Following Infarction**

J. Raymond Fitzpatrick, John R. Frederick, Ryan C. McCormick, David A. Harris, Ah-Young Kim, Max J. Smith, Carine M. Laporte, Jeffrey R. Muenzer, Alex J. Gambogi, Y. Joseph Woo  
*Division of Cardiovascular Surgery, Hospital of the University of Pennsylvania, Philadelphia, PA, USA*

### **L4. Atorvastatin at Reperfusion Reduces Myocardial Infarct Size in Mice by Activating eNOS of Bone Marrow-derived Cells**

Zequan Yang,<sup>1</sup> Gorav Ailawadi,<sup>1</sup> Joel Linden,<sup>2</sup> Brent A. French,<sup>3</sup> Irving L. Kron<sup>1</sup>

*1. Surgery, University of Virginia Health System, Charlottesville, VA, USA*

*2. Medicine, University of Virginia Health System, Charlottesville, VA, USA*

*3. Biomedical Engineering, University of Virginia Health System, Charlottesville, VA, USA*

### **L5. Quantitative Assessment of Technical Proficiency of Residents in Cardiac Surgery**

Hiroo Takayama, Yoshifumi Naka, Mehmet C. Oz, Allan S. Stewart, Mathew R. Williams, Craig R. Smith, Micheal Argenziano  
*Columbia University, New York, NY, USA*

### **L6. Divergent Impact of Osteopontin Isoforms on Lung Cancer Angiogenesis**

Justin D. Blasberg, Jessica S. Donington, Chandra M. Goparaju,  
Harvey I. Pass  
*New York University Medical Center, New York, NY, USA*

**L7. Temporary Acute Mechanical Circulatory Support for Acute Circulatory Collapse: Experience with 266 Patients**

Kristopher B. Deatrck, Amit K. Mathur, Ann Schumar, Robert H. Bartlett, Francis D. Pagani, Jonathan W. Haft *Cardiac Surgery, The University of Michigan, Ann Arbor, MI, USA*

**L8. Age is an Independent Risk Factor for Aspiration Following Thoracotomy for Pulmonary Resection**

William B. Keeling,<sup>1</sup> Jonathan M. Hernandez,<sup>2</sup> Vicki Lewis,<sup>3</sup> Melissa Czapla,<sup>3</sup> Weiwei Zhu,<sup>3</sup> Joseph Garrett,<sup>2</sup> Eric Sommers<sup>2</sup>

1. *Emory University, Atlanta, GA, USA*

2. *University Of South Florida, Tampa, FL, USA*

3. *H. Lee Moffitt Cancer Center, Tampa, FL, USA*

5:00 pm **WELCOME RECEPTION** – Exhibit Hall

## Preliminary Program Outline

### MONDAY, May 11, 2009 | Plenary Scientific Session

7:30 am **Business Session**  
(AATS Members Only)

7:45 am **PLENARY SCIENTIFIC SESSION**  
(8 minutes presentation, 12 minutes discussion)  
Ballroom A-C, Hynes Convention Center  
Moderators: Thomas L. Spray, MD  
Thoralf M. Sundt, III, MD

**1. A Formidable Task: Population Analysis Predicts a Deficit of 2,000 Cardiothoracic Surgeons by 2030**

Thomas E. Williams, Benjamin Sun, Patrick Ross, Andrew M. Thomas *Surgery, Ohio State University, Columbus, OH, USA*

**2. Single Center Experience in Treatment of Cardiogenic Shock of any Etiology in Children by Pediatric Ventricular Assist Devices**

Roland Hetzer, Evgenij V. Potapov, Oliver Miera, Yu-Guo Weng, Michael Hübler, Felix Berger *DHZB, Berlin, Germany*

**3. Long-term Results of Aortic Valve Sparing Operations in Patients with Marfan Syndrome**

Tirone E. David, Susan Armstrong, Manjula Maganti, Jack Colman, Timothy Bradley *Cardiovascular Surgery, Toronto General Hospital, Toronto, ON, Canada*

#### **4. Outcomes After Laparoscopic Giant Paraesophageal Hernia Repair in 636 Patients**

James D. Luketich, Katie S. Nason, Rodney J. Landreneau, Samuel Keeley, Omar Awais, Manisha Shende, Matthew J. Schuchert, Ghulam Abbas, Blair A. Jobe, Arjun Pennathur  
*The Heart, Lung and Esophageal Surgery Institute, University of Pittsburgh Medical Center, Pittsburgh, PA, USA*

9:05  
am

#### **AWARD PRESENTATIONS**

9:20  
am

**INTERMISSION** – Visit Exhibits  
Exhibit Hall C-D, Hynes Convention Center

10:00  
am

**BASIC SCIENCE LECTURE**  
Ballroom A-C, Hynes Convention Center

"Insights from Developmental and Stem Cell Biology"

Jonathan A. Epstein, MD, *William Wikoff Smith Professor of Medicine, Chairman, Department of Cell and Developmental Biology, Scientific Director, Penn Cardiovascular Institute, Founding Co-Director, Penn Institute of Regenerative Medicine, University of Pennsylvania*  
**Introduced By:** Thomas L. Spray, MD

10:40  
am

**PLENARY SCIENTIFIC SESSION**  
Moderators: G. Alexander Patterson, MD  
Thoralf M. Sundt, III, MD

#### **5. The Relationship Between Hospital CABG Volume and Multiple Dimensions of CABG Quality**

David M. Shahian,<sup>1</sup> Sean O'Brien,<sup>2</sup> Sharon-Lise Normand,<sup>3</sup> Eric Peterson,<sup>2</sup> Fred Edwards<sup>4</sup>  
1. *Massachusetts General Hospital, Boston, MA, USA*  
2. *Duke Clinical Research Institute, Durham, NC, USA*  
3. *Harvard Medical School, Boston, MA, USA*  
4. *University of Florida, Jacksonville, FL, USA*

#### **6. Survival after Transapical and Transarterial Aortic Valve Implantation: Talking About Two Different Patient Populations**

Sabine Bleiziffer, Hendrik Ruge, Domenico Mazzitelli, Christian Schreiber, Andrea Hutter, Robert Bauernschmitt, Ruediger Lange  
*Clinic for Cardiovascular Surgery, German Heart Center Munich, Munich, Germany*

11:25  
am

**PRESIDENTIAL ADDRESS**  
**"The Quality Conundrum"**  
Thomas L. Spray, MD  
*Philadelphia, Pennsylvania*  
Introduced by: G. Alexander Patterson, MD

12:15  
pm

**LUNCH** Visit Exhibits Exhibit Hall C-D, Hynes Convention Center

12:15  
pm

**CARDIOTHORACIC RESIDENTS' LUNCHEON**  
Hynes Convention Center

Hosted by Immediate Past President, D. Craig Miller, the 32<sup>nd</sup> Annual Cardiothoracic Residents' Luncheon will be held at **12:15 pm** on Monday, May 11<sup>th</sup> at the Hynes Convention Center. During lunch, residents and medical students will have the opportunity to engage in discussion with the group leader seated at their table. Following the luncheon, the group leaders will respond to questions from the floor.

Although cardiothoracic residents will be guests of the Association, they must still pre-register.

All attendees who register for the luncheon will receive a ticket with their registration materials. This ticket must be presented for admittance to the luncheon.

**Tickets for this luncheon are limited and reserved seating will be on a first come, first serve basis.**

## ADULT CARDIAC SURGERY

2:00  
pm

### **SIMULTANEOUS SCIENTIFIC SESSION**

(8 minutes presentation, 12 minutes discussion)

Ballroom A-C, Hynes Convention Center

Moderators: R. Duane Davis, Jr, MD

Chuen-Neng Lee, MD

#### **7. Outcomes of Reoperative Aortic Valve Replacement Following Previous Sternotomy**

Damien J. LaPar, Zequan Yang, R. Ramesh Singh, T. Brett Reece, Cory D. Maxwell, Benjamin B. Peeler, John A. Kern, Irving L. Kron, Gorav Ailawadi  
*Surgery, University of Virginia,  
Charlottesville, VA, USA*

#### **8. Apical Myectomy: A New Surgical Technique for the Management of Severely Symptomatic Patients With Apical Hypertrophic Cardiomyopathy**

Hartzell V. Schaff,<sup>1</sup> Morgan L. Brown,<sup>1</sup> Steve R. Ommen,<sup>1</sup> Joseph A. Dearani,<sup>1</sup> Martin D. Abel,<sup>1</sup> A. J. Tajik,<sup>2</sup> Rick A. Nishimura<sup>1</sup>  
*1. Mayo Clinic, Rochester, MN, USA  
2. Mayo Clinic, Scottsdale, AZ, USA*

#### **9. Where Does AF Surgery Fail? Implications for Increasing AF Surgical Ablation Effectiveness:**

Patrick M. McCarthy, Jane Kruse, Shanaz Shalli, Leonard Ilkhanoff, Jeffrey Goldberger, Alan Kadish, Rishi Arora, Richard Lee  
*Division of Cardiothoracic Surgery, Northwestern University; Northwestern Memorial Hospital,  
Chicago, IL, USA*

3:00  
pm

### **INTERMISSION**

Visit Exhibits Exhibit Hall C-D, Hynes Convention Center

3:45  
pm

### **SIMULTANEOUS SCIENTIFIC SESSION**

Ballroom A-C, Hynes Convention Center

Moderators: R. Duane Davis, Jr.

MD Chuen-Neng Lee, MD

#### **10. Have Hybrid Procedures Replaced Open Aortic Arch Reconstruction in High Risk Patients: A Comparative Study of Open Arch Debranching with Endovascular Stent Graft Placement and Conventional Open Total and Distal Aortic Arch Reconstruction**

Rita K. Milewski, Wilson Y. Szeto, Alberto Pochettino, G. William Moser, Patrick Moeller, Joseph E. Bavaria  
*Hospital of the University of Pennsylvania, Philadelphia, PA, USA*

#### **11. Effect of Partial Thrombosis on Distal Aorta after Repair of Acute DeBakey Type I Aortic Dissection**

Suk-Won Song,<sup>1</sup> Byung-Chul Chang,<sup>2</sup> Bum-Koo Cho,<sup>2</sup> Kyung-Jong Yoo<sup>2</sup>

*1. Yondong Severance Hospital, Yonsei University College of Medicine,  
Seoul, South Korea*

*2. Severance Hospital, Yonsei University College of Medicine, Seoul, South Korea*

#### **12. Staged Repair Significantly Reduces Paraplegia Rate after Extensive Thoracoabdominal Aortic Aneurysm Repair**

Christian D. Etz, Stefano Zoli, Christoph S. Mueller, Carol A. Bodian, Gabriele Di Luozzo, Ricardo Lazalla, Konstadinos A. Plestis, Randall B. Griepp  
*Mount Sinai School of Medicine,  
New York, NY, USA*

**13. Preoperative Very Short Term High Dose Erythropoietin Administration Diminishes Blood Transfusion Rate in Off Pump Coronary Artery Bypass. A Randomized Blind Controlled Study**

Luca Weltert, Stefano D'Alessandro, Saverio Nardella, Fabiana Girola, Alessandro Bellisario, Daniele Maselli, Ruggero De Paulis  
*European Hospital,  
Rome, Italy*

**5:05  
pm**

**NHLBI STICH Trial Debate:**

Coronary Bypass with Ventricular Reconstruction Does Not Improve Survival Compared to Coronary Bypass Surgery  
Ballroom A-C Hynes Convention Center

Moderator: Andrew S. Wechsler, MD  
Drexel University College of Medicine

**PRO:** Robert H. Jones, MD  
Duke University Medical Center

**CON:** Gerald D. Buckberg, MD  
UCLA Medical Center

**6:00  
pm**

**ADJOURN**

**GENERAL THORACIC SURGERY**

**2:00  
pm**

**SIMULTANEOUS SCIENTIFIC SESSION**

(8 minutes presentation, 12 minutes discussion)  
Room 302-306, Hynes Convention Center  
Moderators: James D. Luketich, MD  
Bryan F. Meyers, MD

**14. Thoracoscopic Lobectomy is Associated with Lower Morbidity than Open Lobectomy: A Propensity-Matched Analysis from the STS Database**

Subroto Paul,<sup>1</sup> Nasser K. Altorki,<sup>1</sup> Shubin Sheng,<sup>2</sup> Paul C. Lee,<sup>1</sup> David H. Harpole,<sup>2</sup> Mark W. Onaitis,<sup>2</sup> Brendon M. Stiles,<sup>1</sup> Jeffrey L. Port,<sup>1</sup> Thomas A. D'Amico<sup>2</sup>

1. *Cardiothoracic Surgery, New York Presbyterian-Weill Cornell Medical Center, New York, NY, USA*

2. *Duke University Medical Center, Durham, NC, USA*

**15. Learning Curves for Video-Assisted Thoracic Surgery Lobectomy in Non-small Cell Lung Cancer**

Hyun-Sung Lee, Byung-Ho Nam, Jae Ill Zo Center for Lung Cancer, National Cancer Center, Goyang, Gyeonggi, South Korea

**16. Propensity Matched Comparison of Surgery vs. Stereotactic Body Radiation Therapy in Early Stage Lung Cancer**

Chadrack Denlinger, Jeffrey D. Bradley, Issam M. El Naqa, Jennifer B. Zoole, Bryan F. Meyers, Alec Patterson, Daniel Kreisel, Alexander S. Krupnick, Traves Crabtree  
*Cardiothoracic Surgery, Washington University School of Medicine,  
St. Louis, MO, USA*

**17. NETT REDUX (Accentuating the Positive)**

Pablo G. Sanchez, John C. Kucharczuk, Stacey Su, Larry R. Kaiser, Joel D. Cooper  
*Department of Surgery, Division of Thoracic Surgery, University of Pennsylvania,  
Philadelphia, PA, USA*

3:20  
pm

**INTERMISSION** Visit Exhibits Exhibit Hall C-D, Hynes Convention Center

3:55  
pm

**SIMULTANEOUS SCIENTIFIC SESSION**

Room 302-306, Hynes Convention Center  
Moderators: James D. Luketich, MD  
Bryan F. Meyers, MD

**18. Minimally Invasive Repair of Pectus Excavatum: 10-Year Appraisal with 1,170 Patients**

Hyung Joo Park, Jongho Cho, Kwang Taik Kim, Young Ho Choi  
*Korea University Medical Center,  
Seoul, South Korea*

**19. Aggressive Surgical Treatment of Multidrug-resistant Tuberculosis in the Extensive Drug Resistance Era**

Yuji Shiraishi, Naoya Katsuragi, Hidefumi Kita, Yoshiaki Tominaga, Kota Kariatsumari, Takahito Onda  
*Chest Surgery, Fukujuji Hospital,  
Tokyo, Japan*

**20. Reconstruction of the Pulmonary Artery for Lung Cancer: Long Term Results**

Federico Venuta,<sup>1</sup> Anna Maria Ciccone,<sup>2</sup> Marco Anile,<sup>1</sup> Mohsen Ibrahim,<sup>2</sup> Francesco Pugliese,<sup>1</sup> Domenico Massullo,<sup>2</sup> Tiziano De Giacomo,<sup>1</sup> Giorgio F. Coloni,<sup>1</sup> Erino A. Rendina<sup>2</sup>  
1. *University Sapienza of Rome– Policlinico Umberto I, Rome, Italy*  
2. *University Sapienza of Rome– Ospedale S. Andrea, Rome, Italy*

**21. Tracheal Sleeve Pneumonectomy for Lung Cancer After Induction Chemotherapy**

Domenico Galetta, Piergiorgio Solli, Giulia Veronesi, Alessandro Borri, Roberto Gasparri, Francesco Petrella, Lorenzo Spaggiari  
*Division of Thoracic Surgery, European Institute of Oncology,  
Milan, Italy*

5:15  
pm

**ADJOURN**

**CONGENITAL HEART DISEASE**

2:00  
pm

**SIMULTANEOUS SCIENTIFIC SESSION**

(8 minutes presentation, 12 minutes discussion)  
Room 312, Hynes Convention Center  
Moderators: James S. Tweddell, MD  
Vaughn A. Starnes, MD

**22. Is Cardiac Diagnosis a Predictor of Neurodevelopmental Outcome after Cardiac Surgery in Infancy?**

J. W. Gaynor,<sup>1</sup> Marsha Gerdes,<sup>1</sup> Alex S. Nord,<sup>2</sup> Judy Bernbaum,<sup>1</sup> Elaine H. Zackai,<sup>1</sup> Gil Wernovsky,<sup>1</sup> Robert R. Clancy,<sup>1</sup> Patrick J. Heagerty,<sup>2</sup> Cynthia B. Solot,<sup>1</sup> Jo Ann D'Agostino,<sup>1</sup> Nancy B. Burnham,<sup>1</sup> Donna McDonald- McGinn,<sup>1</sup> Susan C. Nicolson,<sup>1</sup> Thomas L. Spray,<sup>1</sup> Gail P. Jarvik<sup>2</sup>  
1. *The Children's Hospital of Philadelphia,*

Philadelphia, PA, USA  
2. University of Washington,  
Seattle, WA, USA

**23. Endothelial Nitric Oxide Synthase Gene Polymorphism and Pulmonary Hypertension in Children with Congenital Heart Diseases**

Tsvetomir S. Loukanov,<sup>1</sup> Christian Sebening,<sup>1</sup> Nina Hoss,<sup>2</sup> Pencho Tonchev,<sup>2</sup> Matthias Karck,  
Matthias Gorenflo

1. Cardiac Surgery, University of Heidelberg,  
Heidelberg, Germany  
2. Pediatric Cardiology, University of Heidelberg,  
Heidelberg, Germany

**24. Left Ventricular Rehabilitation is Effective in Maintaining Two-Ventricle Physiology in the Borderline Left Heart**

Sitaram Emani, Emile A. Bacha, Doff McElhinney, Gerald Marx, Wayne Tworetsky, Frank A.  
Pigula, Pedro J. del Nido  
Childrens Hospital Boston,  
Boston, MA, USA

**25. A Contemporary Comparison of the Effect of Shunt Type in Hypoplastic Left Heart Syndrome on the Hemodynamics and Outcome at Fontan Completion**

Jean A. Ballweg,<sup>1</sup> Troy E. Dominguez,<sup>1</sup> Chitra Ravishankar,<sup>1</sup> Peter J. Gruber,<sup>1</sup> Gil  
Wernovsky,<sup>1</sup> J. W. Gaynor,<sup>1</sup> Susan C. Nicolson,<sup>1</sup> Thomas L. Spray,<sup>1</sup> Sarah Tabbutt<sup>2</sup>

1. Children's Hospital of Philadelphia,  
Philadelphia, PA, USA  
2. University of California San Francisco,  
San Francisco, CA, USA

3:20  
pm

**INTERMISSION**

Visit Exhibits Exhibit Hall C-D, Hynes Convention Center

4:00  
pm

**SIMULTANEOUS SCIENTIFIC SESSION**

Room 312, Hynes Convention Center  
Moderators: James S. Tweddell, MD  
Vaughn A. Starnes, MD

**26. Chronological Changes in P-wave Characteristics after the Fontan Procedure: Impact of Surgical Modification**

Masahiro Koh,<sup>1</sup> Hideki Uemura,<sup>2</sup> Akiko Kada,<sup>1</sup> Koji Kagisaki,<sup>1</sup> Ikuo Hagino,<sup>1</sup> Toshikatsu  
Yagihara<sup>1</sup>

1. National Cardiovascular Center,  
Osaka, Japan  
2. Royal Brompton Hospital,  
London, United Kingdom

**27. Depth of Ventricular Septal Defect and Impact on Reoperation for Left Ventricular Outflow Obstruction after Repair of Complete Atrioventricular Septal Defect: Does Double Patch Technique Decrease the Incidence of Left Ventricular Outflow Obstruction? Anatomical and Clinical Correlation**

Anastasios C. Polimenakos,<sup>1</sup> Shyam K. Sathanandam,<sup>2</sup> Soraia Bharati,<sup>2</sup> Vivian Cui,<sup>2</sup> David  
Roberson,<sup>2</sup> Mary Jane Barth,<sup>2</sup> Chawki ElZein,<sup>2</sup> Robert S.D. S. Higgins,<sup>1</sup> Michel Ilbawi<sup>2</sup>

1. Center for Congenital and Structural Heart Disease/Rush University Medical Center,  
Chicago, IL, USA  
2. The Heart Institute for Children at Hope Christ Hospital,  
Oak Lawn, IL, USA



**28. Fenestration During Fontan Palliation: Now the Exception Instead of the Rule**  
Jorge D. Salazar, Kashif Siddiqui, Farhan Zafar, Ryan Coleman, David L. Morales, Jeffrey Heinle, Charles D. Fraser  
*Congenital Heart Surgery, Texas Children's Hospital,  
Houston, TX, USA*

5:00  
pm

ADJOURN

## 2009 PROGRAM AND ABSTRACTS



### Preliminary Program Outline

#### Tuesday, May 12, 2009 | Cardiac Surgery Forum Session

7:00  
am – 8:45  
am

**CARDIAC SURGERY FORUM SESSION**  
(5 minutes presentation, 7 minutes discussion)  
Ballroom A-C, Hynes Convention Center  
Moderators: James S. Gammie, MD  
John A. Kern, MD

**F1. Vascularized Patch Used for Cardiac Reconstruction Stimulates Myocardial Tissue-Specific Regeneration**

Serghei Cebotari,<sup>1</sup> Sava Kostin,<sup>2</sup> Igor Tudorache,<sup>1</sup> Matthias Karck,<sup>1</sup> Christoph Bara,<sup>1</sup> Omke Teebken,<sup>1</sup> Tanja Meyer,<sup>1</sup> Alexandru Calistru,<sup>1</sup> Andres Hilfiker,<sup>1</sup> Axel Haverich<sup>1</sup>

1. *Thoracic and Cardiovascular Surgery, Hannover Medical School, Hannover, Germany*

2. *Max-Planck-Institute for Heart and Lung Research, Bad Nauheim, Germany*

**F2. Repair of the Right Ventricular Outflow Tract by a Mesenchymal Stem Cell-Seeded Bioabsorbable Valved Patch: Medium-Term Follow-Up in a Growing Lamb Model**

David Kalfa,<sup>1</sup> Alain Bel,<sup>2</sup> Annabel Chen-Tournoux,<sup>1</sup> Philippe Rochereau,<sup>1</sup> Cyrielle Coz,<sup>1</sup> Valérie Bellamy,<sup>1</sup> Elie Mousseaux,<sup>3</sup> Patrick Bruneval,<sup>4</sup> Jérôme Larghero,<sup>5</sup> Philippe Menasché<sup>1</sup>

1. *INSERM U633, Paris, France*

2. *Hôpital Européen Georges Pompidou, Department of Cardiovascular Surgery; University Paris Descartes, Paris, France*

3. *Hôpital Européen Georges Pompidou, Department of Radiology,*

*University Paris Descartes, Paris, France*

*4. Hôpital Européen Georges Pompidou, Department of Pathology, University Paris Descartes, Paris, France*

*5. Hôpital Saint-Louis, Laboratory of Cell Therapy; University Paris Diderot, Paris, France*

**F3. The Novel Synthetic Serine-Protease Inhibitor CU2010 Dose-Dependently Reduces Postoperative Blood Loss and Improves Postischemic Recovery after Cardiac Surgery**

*Gábor Szabó, Tamás Radovits, Gábor Veres, Matthias Karck  
Department of Cardiac Surgery, University  
of Heidelberg, Heidelberg, Germany*

**F4. 3D Geometry of the Mitral Valve Determines the Success of Secondary Chordal Cutting in Alleviating Ischemic Mitral Regurgitation**

*Muralidhar Padala,<sup>1</sup> Katherine L. Bell,<sup>1</sup> Vinod H. Thourani,<sup>3</sup> David H. Adams,<sup>2</sup> Ajit P. Yoganathan<sup>1</sup>*

*1. Biomedical Engineering, Georgia Institute of Technology, Atlanta, GA, USA*

*2. Mt. Sinai Hospital, New York, NY, USA*

*3. Emory University, vAtlanta, GA, USA*

**F5. Successful Resuscitation after Prolonged Periods of Cardiac Arrest—A New Field in Cardiac Surgery**

*Georg Trummer,<sup>1</sup> Katharina Foerster,<sup>1</sup> Gerald D. Buckberg,<sup>2</sup> Christoph Benk,<sup>1</sup> Claudia Heilmann,<sup>1</sup> Irina Mader,<sup>1</sup> Friedrich Feuerhake,<sup>1</sup> Oliver Liakopoulos,<sup>2</sup> Kerstin Brehm,<sup>1</sup> Friedhelm Beyersdorf<sup>1</sup>*

*1. University Hospital Freiburg, Freiburg, Germany*

*2. David Geffen School of Medicine, University of California, Los Angeles, CA, USA*

**F6. Smooth Muscle Phenotypic Modulation is an Early Event in Murine Aortic Aneurysms and Human Aneurysms**

*Gorav Ailawadi, Sandra P. Walton, Hong Pei, Chris W. Moehle, Zequan Yang, Christine Lau, Mark C. Mochel, Irving L. Kron, Gary K. Owens  
TCV Surgery, University of Virginia, Charlottesville, VA, USA*

**F7. Biodegradable Synthetic Small-calibre Vascular Grafts: Long-term Results after Replacement of the Rat Aorta**

*Beat H. Walpoth,<sup>1</sup> Damiano Mugnai,<sup>1</sup> Jean-Christophe Tille,<sup>2</sup> Francesco Innocente,<sup>1</sup> Benjamin Nottelet,<sup>3</sup> Corinne Berthonneche,<sup>4</sup> Xavier Montet,<sup>5</sup> Sarra de Valence,<sup>3</sup> Wojciech Mrowczynski,<sup>1</sup> Michael Moeller,<sup>3</sup> Robert Gurny,<sup>3</sup> Afksendiyos Kalangos<sup>1</sup>*

*1. Dept. of Cardiovascular Surgery, University Hospital of Geneva, Geneva, Switzerland*

*2. Dept. of Pathology, University Hospital of Geneva, Geneva, Switzerland*

*3. Dept. of Pharmaceuticals & Biopharmaceutics EPGL, University of Geneva, Geneva, Switzerland*

*4. Dept. of Medicine, University Hospital of Lausanne, Lausanne, Switzerland*

*5. Dept. of Radiology, University Hospital of Geneva, Geneva,*

Switzerland

**F8. Optimal Flow Rate For Antegrade Cerebral Perfusion**

Takashi Sasaki, Shoichi Tsuda, Robert K. Riemer, Vadiyala Mohan Reddy, Frank L. Hanley  
*Cardiothoracic Surgery,  
Stanford University,  
Stanford, CA, USA*

**F9. Reduced Oxidative Stress Response in the Ascending Aorta of Bicuspid Aortic Valve Patients: Impact on the Extracellular Matrix**

Julie A. Phillippi, Michael A. Eskay, Bruce R. Pitt, Thomas G. Gleason  
*Division of Cardiothoracic Surgery, University of Pittsburgh,  
Pittsburgh, PA, USA*

7:00  
am – 8:45  
am

**GENERAL THORACIC FORUM SESSION**

(5 minutes presentation, 7 minutes discussion)

Room 302-306, Hynes Convention Center

Moderators: Yolonda L. Colson, MD

David S. Schrupp, MD

**F10. MAGE-A3 Expression is an Independent Determinant of Worse Survival in Stage IA Non-Small Cell Lung Cancer**

Jeffrey L. Port,<sup>1</sup> Sacha Gnjjatic,<sup>2</sup> Otavia Caballero,<sup>2</sup> Ramon Chua,<sup>2</sup> Achim A. Jungbluth,<sup>2</sup> Gerd Ritter,<sup>2</sup> Cathy A. Ferrara,<sup>1</sup> Paul C. Lee,<sup>1</sup> Lloyd J. Old,<sup>2</sup> Nasser K. Altorki<sup>1</sup>

1. *Weill Cornell Medical College/NY Presbyterian Hospital, New York, NY, USA*

2. *Ludwig Institute for Cancer Research, New York, NY, USA*

**F11. MicroRNA Expression Profiles Predict Recurrence after Surgery for Stage 1 Non-small Cell Lung Cancer**

Sai Yendamuri,<sup>1</sup> Steen Knudsen,<sup>2</sup> Todd L. Demmy,<sup>1</sup> Santosh Patnaik<sup>1</sup>

1. *Roswell Park Cancer Institute, Buffalo, NY, USA*

2. *Medical Prognosis Institute, Horsholm, Denmark*

**F12. Seventy-two Hours Total Respiratory Support with a Single Double-lumen Cannula Placed in a Venovenous Pump-driven Extracorporeal Lung Membrane**

David Sanchez-Lorente, Tetsuhiko Go, Philipp Jungebluth, Irene Rovira, Paolo Macchiarini

*General Thoracic Surgical Experimental Laboratory, Universitat de Barcelona, Barcelona, Spain*

**F13. Replacement of the Trachea with Fully Bioengineered Graft in Pigs**

Tetsuhiko Go, Philipp Jungebluth,<sup>1</sup> Adelaide Asnaghi,<sup>2</sup> Sara Mantero,<sup>2</sup> Maria-Teresa Conconi,<sup>3</sup> Antony Hollander,<sup>4</sup> Martin Birchall,<sup>4</sup> Paolo Macchiarini<sup>1</sup>

1. *General Thoracic Surgical Experimental Laboratory, Universitat de Barcelona, Barcelona, Spain*

2. *Department of Bioengineering, Politecnico di Milano, Milano, Italy*

3. *Pharmaceutical Science, University of Padua, Padua, Italy*

4. *Department of Cellular and Molecular Medicine, School of Medical Sciences, Bristol, United Kingdom*

**F14. DYRK2, a Dual-specificity Tyrosine-(Y)- Phosphorylation-regulated Kinase Gene, Expression can be a Predictive Marker for Chemotherapy in Non-small Cell Lung Cancer**

Shin-ichi Yamashita, Katsunobu Kawahara  
*Surgery II, Oita University Faculty of Medicine, Yufu, Japan*

**F15. Generation of Epigenetically-modified Autologous Tumor Cell Lines for Vaccines Targeting Cancer-testis Antigens in Thoracic Malignancies**

David S. Schrump, Julie A. Hong, Mary Zhang, Yuwei Zhang, Tricia F. Kunst, Ana Hancox, Leandro Mercedes, King Kwong  
*Thoracic Oncology Section, NCI, Bethesda, MD, USA*

**F16. Atrial Natriuretic Peptide Extends Lung Preservation Attenuating Ischemia-Reperfusion Lung Injury Through Phospholipase A2 Inhibition**

Yury A. Bellido Reyes, Prudencio Díaz-Agero, Joaquin García S. Girón  
*Thoracic Surgery, La Paz Hospital, Madrid, Spain*

**F17. Comparative Glycomic Profiling in Esophageal Adenocarcinoma**

Zane Hammoud,<sup>1</sup> Yehia Mechref,<sup>2</sup> Ahmed Hussein,<sup>2</sup> Slavka Bekesova,<sup>2</sup> Min Zhang,<sup>2</sup> Kenneth Kesler,<sup>3</sup> Robert Hickey,<sup>3</sup> Milos Novotny<sup>2</sup>  
1. *Cardiothoracic Surgery, Henry Ford Health System, Detroit, MI, USA*  
2. *Indiana University, Bloomington, IN, USA*  
3. *Indiana University School of Medicine, Indianapolis, IN, USA*

**F18. Matrix Metalloproteinase Expression in Adenocarcinoma and Squamous Cell Carcinoma of the Lung**

Sonam A. Shah,<sup>1</sup> John S. Ikonmidis,<sup>2</sup> Robert E. Stroud,<sup>2</sup> Eileen I. Chang,<sup>2</sup> Francis G. Spinale,<sup>2</sup> Carolyn E. Reed<sup>2</sup>  
1. *Medical University of South Carolina, College of Medicine, Charleston, SC, USA*  
2. *Medical University of South Carolina, Department of Surgery, Charleston, SC, USA*

**Tuesday, May 12, 2009 | Plenary Scientific Session**

8:45 am

**PLENARY SCIENTIFIC SESSION**

(8 minutes presentation, 12 minutes discussion)  
Ballroom A-C, Hynes Convention Center  
Moderators: Thomas L. Spray, MD  
Thoralf M. Sundt, III, MD

**29. Non Operative Thoracic Duct Embolization for Traumatic Chylothorax: Experience in 103 patients**

Maxim Itkin, John C. Kucharzuk, Scott O. Trerotola, Andrew Kwak, Constantin Cope, Larry R. Kaiser Maxim Itkin,  
*University of Pennsylvania, Philadelphia, PA, USA*

**30. Valve Repair for Regurgitant Bicuspid Aortic Valves: A Systematic Approach**

Munir Boodhwani, Laurent de Kerchove, David Glineur, Robert Verhelst,

Jean Rubay, Christine Watremez, Pasquet Agnes, Philippe Noirhomme, Gebrine El Khoury *Cardiovascular and Thoracic Surgery, Cliniques Universitaires Saint Luc, Brussels, Belgium*

**31. Ten-Year Experience of Off-Pump Coronary Artery Bypass: Lessons Learned from Early Postoperative Angiograms**

Ki-Bong Kim, Jun-Sung Kim, Hae-Young Lee, Hyun-Jae Kang, Bon-Kwon Koo, Hyo-Soo Kim, Dae-Won Sohn, Byung-Hee Oh, Young-Bae Park  
*Seoul National University Hospital, Seoul, South Korea*

**32. Pneumonectomy after Chemo- or Chemoradiotherapy for Advanced Non- Small Cell Lung Cancer**

Walter Weder,<sup>1</sup> Stéphane Collaud,<sup>1</sup> Thomas Krbek,<sup>2</sup> Sven Hillinger,<sup>1</sup> Sylvia Fechner,<sup>2</sup> Peter Kestenholz,<sup>1</sup> Rolf Stahel,<sup>1</sup> Georgios Stamatis<sup>2</sup>  
1. *Zurich University Hospital, Zürich, Switzerland*  
2. *Ruhrlandklinik, Essen, Germany*

**10:05 am** **INTERMISSION** Visit Exhibits Exhibit Hall C-D, Hynes Convention Center

**10:40 am** **PLENARY SCIENTIFIC SESSION**  
(8 minutes presentation, 12 minutes discussion)  
Ballroom A-C, Hynes Convention Center  
Moderators: Thomas L. Spray, MD  
                  Thoralf M. Sundt, III, MD

**33. Right Ventricle and Tricuspid Valve Function at Mid-term Following the Fontan Operation for Hypoplastic Left Heart Syndrome: Impact of Shunt Type.**

Victor Bautista-Hernandez, Ravi Thiagarajan, Hugo Loyola, Jared Schiff, Joshua Salvin, John E. Mayer, Mark Scheurer, Frank A. Pigula, Francis Fynn-Thompson, Pedro J. del Nido, Emile A. Bacha  
*Children's Hospital Boston, Harvard Medical School, Boston, MA, USA*

**34. Four Decades of Experience with Mitral Valve Repair: Analysis of Differential Indications, Technical Evolution and Long-Term Outcome**

Daniel J. DiBardino, Andrew W. ElBardissi, Ann Maloney, R Scott McClure, Oswaldo Razo-Vasquez, Judah A. Askew, Lawrence H. Cohn  
*Cardiac Surgery, Harvard Medical School, Boston, MA, USA*

**11:20 am** **The Role of Simulation in Future Cardiothoracic Surgical Education**

**11:50 am** **HONORED SPEAKER LECTURE**  
**The Creation of the Universe, String Theory and Time Travel**  
Dr. Michio Kaku  
*City University of New York*  
Introduced By: Thomas L. Spray, MD

**12:30 pm** **LUNCH** - Visit Exhibits  
Exhibit Hall C-D, Hynes Convention Center

## ADULT CARDIAC SURGERY

2:00 pm

### **SIMULTANEOUS SCIENTIFIC SESSION**

(8 minutes presentation, 12 minutes discussion)

Ballroom A-C, Hynes Convention Center

Moderators: Joseph F. Sabik, MD

David H. Adams, MD

#### **35. The Papillary Muscle Sling for Ischemic Mitral Regurgitation**

U. Hvass, Thomas Joudinaud

*Heart Surgery, Bichat Hospital,*

*Paris, France*

#### **36. Surgical Management of Secondary Tricuspid Valve Regurgitation: Anulus, Commissure, or Leaflet Procedure?**

Jose L. Navia, Edward R. Nowicki, Eugene H. Blackstone, Daniel E.

Nento, Jeevanantham Rajeswaran, A. Marc Gillinov, Lars G. Svensson,

Sharif Al-Ruzzeh, Bruce W. Lytle

*Cleveland Clinic,*

*Cleveland, OH, USA*

#### **37. When is the Ross Procedure a Good Option to Treat Aortic Valve Disease?**

Tirone E. David, Anna Woo, Susan Armstrong, Manjula Maganti

*Cardiovascular Surgery, Toronto General Hospital,*

*Toronto, ON, Canada*

3:00 pm

**INTERMISSION** - Visit Exhibits

Exhibit Hall C-D, Hynes Convention Center

**Tuesday, May 12, 2009 | Simultaneous Scientific Sessions**

3:45 pm

### **SIMULTANEOUS SCIENTIFIC SESSION**

Ballroom A-C, Hynes Convention Center

Moderators: Joseph F. Sabik, MD

David H. Adams, MD

#### **38. Surgical Ventricular Restoration for Anteroseptal Scars. Volume or Shape?**

Antonio M. Calafiore,<sup>1</sup> Angela L. Iacò,<sup>1</sup> Davide Amata,<sup>1</sup> Cataldo Castello,<sup>1</sup> Egidio Varone,<sup>1</sup> Fabio Falconieri,<sup>1</sup> Antonio Bivona,<sup>1</sup> Sabina Gallina,<sup>2</sup> Michele Di Mauro<sup>3</sup>

1. *Cardiac Surgery, University of Catania, Catania, Italy*

2. *University of Chieti– Department of Cardiology, Chieti, Italy*

3. *University of Catania– Villa Bianca Hospital, Catania–Bari, Italy*

#### **39. Early and Late Outcome of 517 Consecutive Adult Patients Treated with Extracorporeal Membrane Oxygenation for Refractory Postcardiotomy Cardiogenic Shock**

Ardawan J. Rastan, Andreas Dege, Matthias Mohr, Nicolas Doll, Sven

Lehmann, Volkmar Falk, Friedrich W. Mohr

*Heart Surgery, Heart Center Leipzig,*

*Leipzig, Germany*

#### **40. Duration of LVAD Support Does Not Impact Post-Cardiac Transplant Survival in the Continuous-Flow Pump Era**

Ranjit John,<sup>1</sup> Francis D. Pagani,<sup>2</sup> Yoshifumi Naka,<sup>3</sup> John V.

Conte,<sup>4</sup> Charles T. Klodell,<sup>5</sup> Carmelo A. Milano,<sup>6</sup> David Farrar,<sup>7</sup> O Howard

Frazier<sup>8</sup>

1. *Surgery, University of Minnesota, Minneapolis, MN, USA*
2. *University of Michigan, Ann Arbor, MI, USA*
3. *Columbia University, New York, NY, USA*
4. *John Hopkins, Baltimore, MD, USA*
5. *University of Florida, Gainesville, FL, USA*
6. *Duke University, Durham, NC, USA*
7. *Thoratec Corporation, Pleasanton, CA, USA.*
8. *Texas Heart Institute, Houston, TX, USA*

5:00 pm

**EXECUTIVE SESSION**

(AATS Members Only)

Ballroom A-C, Hynes Convention Center

**GENERAL THORACIC SURGERY**

2:00 pm

**SIMULTANEOUS SCIENTIFIC SESSION**

(8 minutes presentation, 12 minutes discussion)

Room 302-306, Hynes Convention Center

Moderators: Nasser K. Altorki, MD

Shaf Keshavjee, MD

**41. Endobronchial Ultrasound-Guided Fine-Needle Aspiration of Mediastinal Lymph Nodes: The Thoracic Surgeon's Perspective**

Shawn S. Groth, Natasha M. Rueth, Jonathan D'Cunha, Michael A. Maddaus, Rafael S. Andrade  
*Surgery, University of Minnesota, Minneapolis, MN, USA*

**42. Extracorporeal Membrane Oxygenation in Pediatric Lung Transplantation**

Varun Puri,<sup>1</sup> Deirdre Epstein,<sup>1</sup> Steven C. Raithal,<sup>1</sup> Sanjiv K. Gandhi,<sup>1</sup> Stuart C. Sweet,<sup>2</sup> Albert Faro,<sup>2</sup> Charles B. Huddleston<sup>1</sup>  
1. *Division of Cardiothoracic Surgery, Washington University, St. Louis, MO, USA*  
2. *Department of Pediatrics, Washington University, St. Louis, St. Louis, MO, USA*

**43. Lung Transplantation Using Donation after Cardiac Death Donors:**

**Long-term Follow-up in a Single Center**

Satoru Osaki,<sup>1</sup> James D. Maloney,<sup>1</sup> Keith C. Meyer,<sup>2</sup> Richard D. Cornwell,<sup>2</sup> Holly K. Thomas,<sup>1</sup> Niloo M. Edwards,<sup>1</sup> Nilto C. De Oliveira<sup>1</sup>  
1. *Division of Cardiothoracic Surgery, Department of Surgery, University of Wisconsin School of Medicine and Public Health, Madison, WI, USA*  
2. *Section of Allergy, Pulmonary, and Critical Care Medicine, Department of Medicine, University of Wisconsin School of Medicine and Public Health, Madison, WI, USA*

3:00 pm

**INTERMISSION - Visit Exhibits**

Exhibit Hall C-D, Hynes Convention Center

3:45 pm

**SIMULTANEOUS SCIENTIFIC SESSION**

Room 302-306, Hynes Convention Center

Moderators: Nasser K. Altorki, MD

Shaf Keshavjee, MD

**44. Laparoscopic Diaphragm Plication: An Objective Evaluation of Short-and Mid-Term Results**

Shawn S. Groth,<sup>1</sup> Natasha M. Rueth,<sup>1</sup> Amy Klopp,<sup>1</sup> Teri Kast,<sup>1</sup> Jonathan D'Cunha,<sup>1</sup> Rosemary F. Kelly,<sup>2</sup> Michael A. Maddaus,<sup>1</sup> Rafael S. Andrade,<sup>1</sup>

1. *Surgery, University of Minnesota, Minneapolis, MN, USA*

2. *Minneapolis Veterans Affairs Medical Center, Minneapolis, MN, USA*

**45. Minimally Invasive Resection of Stage 1 and 2 Thymoma: Comparison with Open Resection**

Arjun Pennathur, Irfan Qureshi, Matthew Schuchert, Peter Ferson, Neil A. Christie, Sebastien Gilbert, William Gooding, Manisha Shende, Rodney J. Landreneau, James D. Luketich  
*University of Pittsburgh Medical Center, Pittsburgh, PA, USA*

**46. Predictive Factors for Survival in Esophageal Cancer Patients with Persistent Lymph Node Metastases Following Neoadjuvant Therapy and Surgery**

Brendon M. Stiles,<sup>1</sup> Subroto Paul,<sup>1</sup> Jeffrey L. Port,<sup>1</sup> Paul C. Lee,<sup>1</sup> Paul Christos,<sup>2</sup> Nasser K. Altorki<sup>1</sup>

1. *Division of Thoracic Surgery, New York Presbyterian Hospital, Weill Cornell Medical College, New York, NY, USA*

2. *Department of Biostatistics and Epidemiology, New York Presbyterian Hospital, Weill Cornell Medical College, New York, NY, USA*

5:00 pm

**EXECUTIVE SESSION**

(Members Only)

Ballroom A-C, Hynes Convention Center

**CONGENITAL HEART DISEASE**

2:00 pm

**SIMULTANEOUS SCIENTIFIC SESSION**

(8 minutes presentation, 12 minutes discussion)

Room 312, Hynes Convention Center

Moderators: J. William Gaynor, MD

Richard G. Ohye, MD

**47. Genetic Factors are Important Determinants of Impaired Growth Following Infant Cardiac Surgery**

Nancy B. Burnham,<sup>1</sup> Richard F. Ittenbach,<sup>2</sup> Virginia A. Stallings,<sup>1</sup> Marsha Gerdes,<sup>1</sup> Elaine H. Zackai,<sup>1</sup> Judy Bernbaum,<sup>1</sup> Gil Wernovsky,<sup>1</sup> Robert R. Clancy,<sup>1</sup> Jo Ann D'Agostino,<sup>1</sup> Donna McDonald-McGinn,<sup>1</sup> Diane Hartman,<sup>1</sup> Jennifer Raue,<sup>1</sup> Jennifer Hufford,<sup>1</sup> Courtney Terrili,<sup>1</sup> Susan C. Nicolson,<sup>1</sup> Thomas L. Spray,<sup>1</sup> J. William Gaynor<sup>1</sup>

1. *Children's Hospital of Philadelphia, Philadelphia, PA, USA*

2. *Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA*

**48. Mechanical Mitral Valve Prostheses in Children Don't Deserve Their Ill Repute**

Roland Henaine, Joseph Nloga, Fabrice Wautot, Jacques Robin, Jean-François L. Obadia, Jean Ninet

*Cadiothoracique Surgery, Lyon, France*

**49. Fate of Reconstructed Biventricular Outflow Tracts after Repair for Transposition of the Great Arteries with Ventricular Septal Defect and Left Ventricular Outflow Tract Obstruction: Midterm Results and Future Implications**

Sheng-shou Hu, Yan Li, Shoujun Li, Zhigang Liu, Zhe Zheng, Yongqing



Li Cardiovascular Surgery, National Heart Center and Fuwai Hospital,  
Beijing, China

3:00 pm

**INTERMISSION** - Visit Exhibits  
Exhibit Hall C-D, Hynes Convention Center

3:30 pm

**SIMULTANEOUS SCIENTIFIC SESSION**  
Room 312, Hynes Convention Center  
Moderators: J. William Gaynor, MD  
Richard G. Ohye, MD

**50. Gene Expression Profiling in the Right Ventricular Myocardium of Newborns with Hypoplastic Left Heart Syndrome**

Marco Ricci,<sup>1</sup> Bhagyalaxmi Mohapatra,<sup>2</sup> Arnel Urbiztondo,<sup>1</sup> Matteo Vatta<sup>2</sup>  
1. Cardiothoracic Surgery, University of Miami Miller School of Medicine, Miami, FL, USA  
2. Texas Children's Hospital/Baylor College of Medicine, Houston, TX, USA

**51. Twenty Three Years of One-stage End-to-Side Anastomosis Repair of Interrupted Aortic Arches**

Yves d'Udekem,<sup>1</sup> Aisyah S. Hussin,<sup>1</sup> Ajay J. Iyengar,<sup>1</sup> Igor E. Konstantinov,<sup>1</sup> Suzan M. Donath,<sup>1</sup> Gavin R. Wheaton,<sup>2</sup> Andrew M. Bullock,<sup>3</sup> Leeanne E. Grigg,<sup>4</sup> Bryn O. Jones,<sup>1</sup> Christian P. Brizard<sup>1</sup>  
1. Cardiac Surgery, Royal Children's Hospital, Parkville, Melbourne, VIC, Australia  
2. Women's and Children's Hospital, Adelaide, SA, Australia  
3. Princess Margaret Hospital, Perth, WA, Australia  
4. Royal Melbourne Hospital, Melbourne, VIC, Australia

**52. Unifocalisation of Major Aortopulmonary Arteries in Pulmonary Atresia with Ventricular Septal Defect is Essential to Achieve Excellent Outcomes Irrespective of Native Pulmonary Artery Morphology**

Ben Davies,<sup>1</sup> Shafi Mussa,<sup>1</sup> Paul Davies,<sup>2</sup> John Stickley,<sup>1</sup> John G. Wright,<sup>1</sup> Joseph V. de Giovanni,<sup>1</sup> Oliver Stümper,<sup>1</sup> Rami Dhillon,<sup>1</sup> Timothy J. Jones,<sup>1</sup> David J. Barron,<sup>1</sup> William J. Brawn<sup>1</sup>  
1. Department of Cardiac Surgery, Birmingham Children's Hospital, Birmingham, United Kingdom  
2. Institute of Child Health, University of Birmingham, Birmingham, United Kingdom

**53. Impact of Comprehensive Perioperative and Interstage Monitoring on Survival in High-risk Infants after Stage 1 Palliation of Univentricular Heart Disease**

Nancy S. Ghanayem,<sup>1</sup> Kathleen A. Mussatto,<sup>2</sup> George M. Hoffman,<sup>1</sup> Michael E. Mitchell,<sup>1</sup> Michele A. Frommelt,<sup>1</sup> Joseph R. Cava,<sup>1</sup> James S. Tweddell<sup>1</sup>  
1. Medical College of Wisconsin, Milwaukee, WI, USA  
2. Children's Hospital of Wisconsin, Milwaukee, WI, USA

5:00 pm

**EXECUTIVE SESSION**  
(Members Only)  
Ballroom A-C, Hynes Convention Center

## Preliminary Program Outline

Wednesday, May 13, 2009 | Emerging Tech Forum and Plenary Session

7:00 am

### **EMERGING TECHNOLOGIES AND TECHNIQUES FORUM**

(5 Minutes Presentation, 7 Minutes Discussion)

Ballroom A-C, Hynes Convention Center

Moderators: Robert J. McKenna, MD

Lars G. Svensson, MD

#### **T1. The Direct Flow Valve: First in Man Experience with a Repositionable and Retrievable Pericardial Valve for Percutaneous Aortic Valve Replacement**

Hendrik Treede,<sup>1</sup> Jochen Schofer,<sup>2</sup> Thilo Tuebler,<sup>2</sup> Olaf Franzen,<sup>1</sup> Thomas

Meinertz,<sup>1</sup> Reginald Low,<sup>3</sup> Steven F. Bolling,<sup>4</sup> Hermann Reichenspurner<sup>1</sup>

1. *Department of Cardiovascular Surgery, University Heart Center Hamburg, Hamburg, Germany*

2. *Hamburg University Cardiovascular Center, Hamburg, Germany*

3. *University of California Davis, Davis, CA, USA*

4. *University of Michigan Hospital, Ann Arbor, MI, USA*

#### **T2. Use of Subclavian-Carotid Bypass and Thoracic Stent Grafting to Minimize Cerebral Ischemia in Total Aortic Arch Reconstructions**

Steve Xydas,<sup>1</sup> Benjamin Wei,<sup>2</sup> Hiroo Takayama,<sup>1</sup> Mark J. Russo,<sup>1</sup> Craig R.

Smith,<sup>1</sup> Matthew D. Bacchetta,<sup>1</sup> Allan Stewart<sup>1</sup>

1. *NY Presbyterian Hospital-Columbia, Division of Cardiothoracic Surgery, New York, NY, USA*

2. *NY Presbyterian Hospital-Columbia, Department of Surgery, New York, NY, USA*

#### **T3. Transcatheter Aortic Valve Replacement in High-risk Patients: Superior Results Compared to Conventional Surgery**

Robert Bauernschmitt, Domenico Mazzitelli, Christian Schreiber, Hendrik Ruge, Sabine

Bleiziffer, Andrea Hutter, Peter Tassani, Ruediger Lange

*Clinic for Cardiovascular Surgery, German Heart Center Munich, Munich, Germany*

#### **T4. Cavopulmonary Assist Using a Percutaneous, Bi-conical, Single Impeller Pump:**

##### **a New Spin for Fontan Circulatory Support**

Mark D. Rodefeld,<sup>1</sup> Brandon Coats,<sup>2</sup> Travis Fisher,<sup>2</sup> John Brown,<sup>1</sup> Steve Frankel<sup>2</sup>

1. *Department of Surgery, Indiana University School of Medicine, Indianapolis, IN, USA*

2. *Purdue University Department of Mechanical Engineering, West Lafayette, IN, USA*

#### **T5. Tissue Engineered Vascular Grafts in Humans:**

##### **Correlating Clinical Outcomes to Vascular Neotissue Formation in Mice**

Narutoshi Hibino,<sup>1</sup> Edward McGillicuddy<sup>1</sup> Tai Yi,<sup>1</sup> Goki Matsumura,<sup>2</sup> Uji Naito,<sup>2</sup> Hiromi

Kurosawa,<sup>2</sup> Christopher Breuer,<sup>1</sup> Toshiharu Shinoka<sup>1</sup>

1. *Yale University School of Medicine, New Haven, CT, USA*

2. *Tokyo Women's Medical University, Tokyo, Japan*

#### **T6. Abdominal Debranching with Thoracic Endografting for the Treatment of**

### **Thoraco-abdominal Aneurysm in 21 Consecutive Patients**

Jacques Kpodonu,<sup>1</sup> Venkatesh Ramaiah,<sup>2</sup> Grayson H. Wheatley,<sup>2</sup> Julio Rodriguez-Lopez,<sup>2</sup> David Caparrelli,<sup>2</sup> Rame Iberdemaj,<sup>2</sup> Edward B. Diethrich<sup>2</sup>

1. Hoag Memorial Presbyterian, Newport Beach, CA, USA

2. Arizona Heart Institute, Phoenix, AZ, USA

### **T7. High Resolution Analysis of Lung Cancer Stem and Progenitor Cells in Primary Non Small Cell Adenocarcinoma**

Vera S. Donnenberg,<sup>1</sup> Rodney J. Landreneau,<sup>2</sup> James D. Luketich,<sup>2</sup> Albert D. Donnenberg<sup>1</sup>

1. Surgery, University of Pittsburgh, Pittsburgh, PA, USA

2. Hillman Cancer Center, Pittsburgh, PA, USA

### **T8. Robotic Lobectomy for the Treatment of Early Stage Lung Cancer**

Giulia Veronesi,<sup>1</sup> Franca Melfi,<sup>2</sup> Domenico Galetta,<sup>1</sup> Ralph A. Schmid,<sup>3</sup> Patrick Maisonneuve,<sup>1</sup> Nicole Rotmensz,<sup>1</sup> Fernando Vannucci,<sup>1</sup> Raffaella Bertolotti,<sup>1</sup> Lorenzo Spaggiari<sup>1</sup>

1. Division of Thoracic Surgery, European Institute of Oncology, Milan, Italy

2. Department of Cardio-Thoracic Surgery, University Hospital, Pisa, Italy

3. Division of Thoracic Surgery, University Hospital, Berne, Switzerland

9:00 am

### **CONTROVERSIES IN CARDIOTHORACIC SURGERY PLENARY SESSION**

Ballroom A-C, Hynes Convention Center

**Topic:** The Sole Pathway Leading to ABTS Certification Should be a Comprehensive Integrated Cardiothoracic Surgery Training Program Beginning Directly after Medical School

Moderator: G. Alexander Patterson, MD St. Louis, MO

**Pro:** Richard H. Feins, MD

*University of North Carolina, Chapel Hill*

**Con:** David R. Jones, MD

*University of Virginia, Charlottesville*

### **Simultaneous Scientific Session**

10:00 am -  
12:00 pm

### **Ablation vs. Surgery for Atrial Fibrillation: Antagonism or Synergism?**

Ballroom A-C, Hynes Convention Center

Chairman: Thoralf M. Sundt, III, MD

10:00 am

### **The "Classic Maze": Experimental Origins, Surgical Lesion Sets, Alternative Energy Sources**

Ralph J. Damiano, Jr., MD

*Washington University*

10:15 am

### **Neurological Approaches to the AF Problem**

#### **Ganglion Mapping**

James H. McClelland, MD

*Oregon Cardiology, PC*

#### **Cervical Interventions**

Benjamin J. Scherlag, MD

*Cardiac Arrhythmia Research Institute*

**10:35 am**      **Less Invasive Approaches – Critical Step or Critical Mistake?**

**Robotics as Applied to Arrhythmia Surgery**

Ranny Chitwood, MD  
*East Carolina University School of Medicine*

**Thoracoscopic Arrhythmia Surgery**

Richard Lee, MD  
*Northwestern*

**Intravascular Approaches**

Vivek Y. Reddy, MD  
*University of Miami Hospital*

**11:25 am**      **Defining Success**

Richard J. Shemin, MD  
*University of California, Los Angeles*

**11:40 am**      **Working Together Panel**

Ralph J. Damiano, Jr., MD  
*Washington University*

**James H. McClelland, MD**

Oregon Cardiology, PC  
Benjamin J. Scherlag, MD  
*Cardiac Arrhythmia Research Institute*

**Ranny Chitwood, MD**

*East Carolina University School of Medicine*

**Richard Lee, MD**

*Northwestern*

**Simultaneous Scientific Session**

**10:00 am -**      **Pneumonectomy: A treatment or a disease?**

**12:00 pm**      Room 302-306, Hynes Convention Center  
Chairman: Thomas A. D'Amico, MD

**10:00 am -**      **Patient Selection for Pneumonectomy**

**10:15 am**      Joseph P. Shrager, MD  
*University of Pennsylvania*

**10:15 am -**      **Role of Thoracoscopic Pneumonectomy**

**10:30 am**      Todd L. Demmy, MD  
*Roswell Park Cancer Institute*

**10:30 am -**      **Managing Intraoperative Complications**

**10:45 am**      G. Alexander Patterson, MD  
*Washington University*

**10:45 am -**      **Early Complications after Pneumonectomy**

**11:00 am**      Valerie W. Rusch, MD  
*Memorial Sloan-Kettering Cancer Center*

**11:00 am -**      **Late Complications after Pneumonectomy**

**11:15 am**      Douglas J. Mathisen, MD  
*Massachusetts General Hospital*

11:15 am -		<b>Pneumonectomy after Induction Therapy</b>
11:30 am		Walter Weder, MD <i>University Hospital</i>
11:30 am -		<b>Extrapleural Pneumonectomy</b>
11:45 am		David J. Sugarbaker, MD <i>Brigham &amp; Women's Hospital</i>
11:45 am -		<b>Discussion</b>
12:00 pm		

## AATS 2009 FACULTY DISCLOSURE

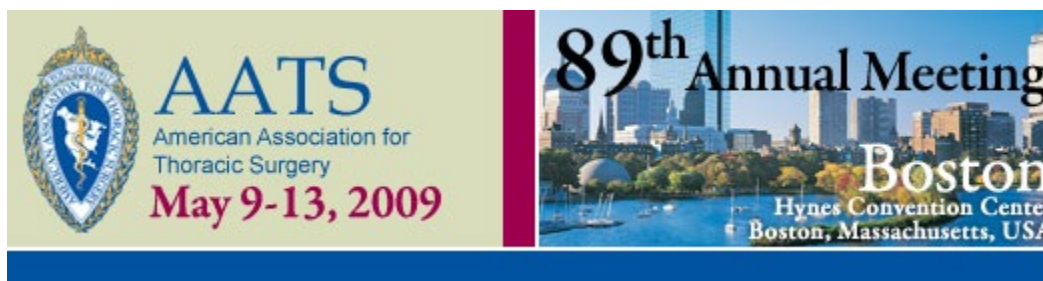
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[Disclosure Index >](#)

## CONTINUING MEDICAL EDUCATION



### The 89<sup>th</sup> Annual Meeting

May 9-13, 2009

Hynes Convention Center, Boston, MA, USA

### CME Certificate/Certificate of Attendance

Thank you to all who attended the 89th Annual Meeting of the American Association for Thoracic Surgery, held May 9 – 13, 2009 in Boston, Massachusetts, USA. The meeting attracted many of the world's leading experts in the field of cardiothoracic surgery who both led and participated in the outstanding scientific program.

For CME purposes, we kindly ask that you complete a brief evaluation of the Annual

Meeting. Upon completion of the survey, you may download your CME Certificate if you are an MD and your Certificate of Attendance if you are an Allied Health Professional.

Please note that you will log in to the site using your last name and zip code. For all International Attendees, you will log in using your last name and your password is your country.