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Program Schedule

Saturday, May 4, 2013
Skills and Decision Making Courses

8:00 a.m. – 5:00 p.m.

Adult Cardiac Skills and Decision Making
Ballroom A, Minneapolis Convention Center

**Chair:** Rakesh M. Suri
Mayo Clinic

**Co-Moderators:** Rakesh M. Suri
Mayo Clinic
Eric E. Roselli
Cleveland Clinic

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker</th>
<th>Institution/Location</th>
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<tbody>
<tr>
<td>8:00 a.m. – 8:20 a.m.</td>
<td>Social Media and Medicine</td>
<td>Lee Aase</td>
<td>Mayo Clinic Center for Social Media</td>
</tr>
<tr>
<td>8:20 a.m. – 8:30 a.m.</td>
<td>Welcome and Introduction</td>
<td>Rakesh M. Suri</td>
<td>Mayo Clinic</td>
</tr>
<tr>
<td>8:30 a.m. – 8:55 a.m.</td>
<td>Minimally Invasive Aortic Valve Replacement</td>
<td>Mattia Glauber</td>
<td>Heart Hospital Monasterio Foundation</td>
</tr>
<tr>
<td>8:55 a.m. – 9:15 a.m.</td>
<td>Transapical Aortic Valve Implantation</td>
<td>Vinod H. Thourani</td>
<td>Emory University</td>
</tr>
<tr>
<td>9:15 a.m. – 9:35 a.m.</td>
<td>Sutureless Aortic Valve Replacement</td>
<td>Malakhir Shrestha</td>
<td>Hannover Medical School</td>
</tr>
<tr>
<td>9:35 a.m. – 9:55 a.m.</td>
<td>Transaortic Aortic Valve Implantation</td>
<td>Vinayak Bapat</td>
<td>St. Thomas Hospital</td>
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<tr>
<td>9:55 a.m. – 10:25 a.m.</td>
<td>BREAK</td>
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<tr>
<td>10:25 a.m. – 10:50 a.m.</td>
<td>Valve-in-Valve Aortic Valve Implantation</td>
<td>Michael A. Borger</td>
<td>University of Leipzig</td>
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<tr>
<td>Time</td>
<td>Session</td>
<td>Speaker</td>
<td>Affiliation</td>
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<tr>
<td>10:50 a.m. - 11:15 a.m.</td>
<td>Aortic Valve Repair</td>
<td>Hans-Joachim Schaefers</td>
<td>University Hospital</td>
</tr>
<tr>
<td>11:15 a.m. - 11:40 a.m.</td>
<td>Aortic Valve Sparing Root Replacement</td>
<td>Wilson Y. Szeto</td>
<td>University of Pennsylvania</td>
</tr>
<tr>
<td>11:40 a.m. - 12:00 p.m.</td>
<td>Bicuspid Aortic Valve Disease and Management of the Ascending Aorta</td>
<td>John A. Elefteriades</td>
<td>Yale University</td>
</tr>
<tr>
<td>12:00 p.m. - 1:30 p.m.</td>
<td>LUNCH PROVIDED – IN ROOM</td>
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<tr>
<td>1:30 p.m. - 1:55 p.m.</td>
<td>Hybrid Approach to Aortic Arch Disease</td>
<td>Eric E. Roselli</td>
<td>Cleveland Clinic</td>
</tr>
<tr>
<td>1:55 p.m. - 2:20 p.m.</td>
<td>Robotic Mitral Valve Repair</td>
<td>Rakesh M. Suri</td>
<td>Mayo Clinic</td>
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<tr>
<td>2:20 p.m. - 2:45 p.m.</td>
<td>Repair Ischemic Mitral Regurgitation</td>
<td>Robert A. Dion</td>
<td>Ziekenhuis Oost-Limburg</td>
</tr>
<tr>
<td>2:45 p.m. - 3:10 p.m.</td>
<td>Minimally Invasive Atrial Fibrillation Ablation</td>
<td>Niv Ad</td>
<td>INOVA Fairfax Hospital/IHVI</td>
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<tr>
<td>3:10 p.m. - 3:45 p.m.</td>
<td>BREAK</td>
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<tr>
<td>3:45 p.m. - 4:05 p.m.</td>
<td>Implantation of Latest Generation Ventricular Assist Devices</td>
<td>Mark S. Slaughter</td>
<td>University of Louisville</td>
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<tr>
<td>4:05 p.m. - 4:30 p.m.</td>
<td>Total Arterial Coronary Revascularization</td>
<td>James Tatoulis</td>
<td>University of Melbourne</td>
</tr>
<tr>
<td>4:30 p.m. - 5:00 p.m.</td>
<td>Wrap-Up</td>
<td>Rakesh M. Suri</td>
<td>Mayo Clinic</td>
</tr>
<tr>
<td>5:00 p.m.</td>
<td>ADJOURN</td>
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</table>
8:00 a.m. – 5:00 p.m.

CONGENITAL SKILLS AND DECISION MAKING
101 B, Minneapolis Convention Center

**Chair:** Carl L. Backer
Children’s Memorial Hospital

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Speaker(s)</th>
<th>Institution(s)</th>
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<tbody>
<tr>
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<td>Social Media and Medicine</td>
<td>Lee Aase</td>
<td>Mayo Clinic Center for Social Media</td>
</tr>
<tr>
<td>8:20 a.m. – 8:50 a.m.</td>
<td>Reoperation After Vascular Ring Repair</td>
<td>Carl L. Backer</td>
<td>Children’s Memorial Hospital</td>
</tr>
<tr>
<td>8:50 a.m. – 9:35 a.m.</td>
<td>What the Registry Tells Us About Anomalous Aortic Origin of the Coronary Artery</td>
<td>Julie Brothers</td>
<td>Children’s Hospital of Philadelphia</td>
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<td>Marshall L. Jacobs</td>
<td>Cleveland Clinic</td>
</tr>
<tr>
<td>9:35 a.m. – 10:05 a.m.</td>
<td>Scimitar Syndrome – The Curved Turkish Sabre</td>
<td>Sertac M. Cicek</td>
<td>Anadolu Medical Center</td>
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<tr>
<td>10:05 a.m. – 10:30 a.m.</td>
<td>BREAK</td>
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<tr>
<td>10:30 a.m. – 11:00 a.m.</td>
<td>Evidence-Based Medicine in the CCU – Truth vs. Dogma</td>
<td>John M. Costello</td>
<td>Children’s Hospital Boston</td>
</tr>
<tr>
<td>11:00 a.m. – 11:30 a.m.</td>
<td>Tetralogy of Fallot and Pulmonary Valve Replacement – Timing and Techniques in the Asymptomatic Patient</td>
<td>Stephanie Fuller</td>
<td>Children’s Hospital of Philadelphia</td>
</tr>
<tr>
<td>11:30 a.m. – 12:00 p.m.</td>
<td>Neuroprotection Strategies – What Do We Really Need To Do?</td>
<td>Charles D. Fraser</td>
<td>Texas Children’s Hospital</td>
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<tr>
<td>12:00 p.m. – 1:30 p.m.</td>
<td>LUNCH PROVIDED IN ROOM</td>
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<tr>
<td>1:30 p.m. – 2:00 p.m.</td>
<td>The Reinforced Ross: Techniques and Outcomes</td>
<td>Ross M. Ungerleider</td>
<td>Wake Forest Baptist Health</td>
</tr>
<tr>
<td>2:00 p.m. – 2:30 p.m.</td>
<td>Double-Switch Demystified – The Arterial Switch, Hemi-Mustard, and Bidirectional Glenn</td>
<td>Frank L. Hanley</td>
<td>Stanford University</td>
</tr>
<tr>
<td>2:30 p.m. – 3:00 p.m.</td>
<td>Cardioplegia – What Type and How Much?</td>
<td>Christopher A. Caldarone</td>
<td>University of Toronto, Hospital for Sick Children</td>
</tr>
<tr>
<td>3:00 p.m. – 3:30 p.m.</td>
<td>BREAK</td>
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<tr>
<td>3:30 p.m. – 4:00 p.m.</td>
<td>Reoperation for Left Ventricular Outflow Tract Obstruction After Atrioventricular Septal Defect</td>
<td>David M. Overman</td>
<td>Children's Heart Clinic</td>
</tr>
<tr>
<td>4:00 p.m. – 4:30 p.m.</td>
<td>The Nikaidoh Operation</td>
<td>Victor O. Morell</td>
<td>Children's Hospital of Pittsburgh</td>
</tr>
<tr>
<td>4:30 p.m. – 5:00 p.m.</td>
<td>Total Artificial Heart for the Failed Fontan Repair</td>
<td>J. William Gaynor</td>
<td>Children's Hospital of Philadelphia</td>
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<tr>
<td>5:00 p.m.</td>
<td>ADJOURN</td>
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8:00 a.m. – 5:00 p.m.

**GENERAL THORACIC SKILLS AND DECISION MAKING**

101E, Minneapolis Convention Center

**Chair:** Stephen D. Cassivi  
Mayo Clinic

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
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<tr>
<td>8:00 a.m. – 8:20 a.m.</td>
<td>Social Media and Medicine</td>
<td>Lee Aase</td>
<td>Mayo Clinic Center for Social Media</td>
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<tr>
<td>8:20 a.m. – 8:30 a.m.</td>
<td>Introduction</td>
<td>Stephen D. Cassivi</td>
<td>Mayo Clinic</td>
</tr>
</tbody>
</table>
| 8:30 a.m. – 8:40 a.m. | Minimally Invasive Diagnostics and Therapeutics | Endobronchial UltraSound (EBUS)  | Kazuhiro Yasufuku  
University of Toronto                               |
| 8:40 a.m. – 8:50 a.m. | Esophageal Ultrasound EUS/Endoscopic Mucosal Resection (EMR) | Moishe Liberman  
Centre Hospitalier de l’Universite de Montreal |                                                 |
| 8:50 a.m. – 9:00 a.m. | Thoracic Surgeon and SBRT                     | Neil A. Christie                 | University of Pittsburgh                          |
| 9:00 a.m. – 9:15 a.m. | PerOral Endoscopic Myotomy (POEMS)            | Christopher J. Gostout           | Mayo Clinic                                      |
| 9:15 a.m. – 9:30 a.m. | Panel Discussion                              |                                  |                                                  |
| 9:30 a.m. – 10:00 a.m. | Break                                         |                                  |                                                  |

**ESOPHAGECTOMY – HOW I DO IT**

<table>
<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>10:00 a.m. – 10:20 a.m.</td>
<td>Ivor Lewis Esophagectomy</td>
<td>Donald E. Low</td>
<td>Virginia Mason Medical Center</td>
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<tr>
<td>10:20 a.m. – 10:40 a.m.</td>
<td>Transhiatal Esophagectomy</td>
<td>Mark B. Orringer</td>
<td>University of Michigan</td>
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<tr>
<td>10:40 a.m. – 11:00 a.m.</td>
<td>Left Thoracoabdominal Esophagectomy</td>
<td>Thomas W. Rice</td>
<td>Cleveland Clinic</td>
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<tr>
<td>Time</td>
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<td>11:00 a.m. –</td>
<td>Three-Field Esophagectomy</td>
<td>Nasser K. Altorki, Cornell Medical Center</td>
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<tr>
<td>11:20 a.m. –</td>
<td>Minimally Invasive Esophagectomy</td>
<td>James D. Luketich, University of Pittsburgh</td>
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<tr>
<td>11:40 a.m. –</td>
<td>PANEL DISCUSSION</td>
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<td>12:00 p.m. –</td>
<td>WORKING LUNCH</td>
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<tr>
<td>12:00 p.m. –</td>
<td>“How to Perform, Build and Finance a Thoracic Surgical Program in 2013: From Robotics to Navigational Bronchoscopy”</td>
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<tr>
<td>1:30 p.m. –</td>
<td>Optimal Analgesia</td>
<td>Juan J. Fibla, Mayo Clinic</td>
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<tr>
<td>1:40 p.m. –</td>
<td>VATS – How I Do It</td>
<td>René Horsleben Petersen, Righospitalet, Copenhagen, Denmark</td>
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<tr>
<td>2:00 p.m. –</td>
<td>VATS Lymphadenectomy – How I Do It</td>
<td>Thomas A. D’Amico, Duke University</td>
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<tr>
<td>2:20 p.m. –</td>
<td>Single Incision VATS Lobectomy – How I Do It</td>
<td>Diego Gonzalez Rivas, Coruña Hospital</td>
<td></td>
</tr>
<tr>
<td>2:50 p.m. –</td>
<td>Post-Op Fast-Track Pathway</td>
<td>Dennis Wigle, Mayo Clinic</td>
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<tr>
<td>3:15 p.m. –</td>
<td>PANEL DISCUSSION</td>
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<tr>
<td>3:45 p.m. –</td>
<td>Transcervical Thymectomy</td>
<td>Joseph B. Shrager, Stanford University</td>
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<tr>
<td>4:00 p.m. –</td>
<td>VATS Thymectomy</td>
<td>Joshua R. Sonett, Columbia University</td>
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</tbody>
</table>
| 4:15 p.m. - 4:30 p.m. | Video Assisted Mediastinal Lymphadenectomy  
Gunda Leschber  
ELK Berlin Chest Hospital |
| 4:30 p.m. - 4:45 p.m. | Minimally Invasive Thoracic Sympathectomy  
Laureano Molins  
University of Barcelona |
| 4:45 p.m. - 5:00 p.m. | PANEL DISCUSSION |
| 5:00 p.m. | ADJOURN |

8:00 a.m. – 12:00 p.m.

DEVELOPING THE ACADEMIC SURGEON  
Auditorium Room 1, Minneapolis Convention Center  
Chair: J. William Gaynor  
Children’s Hospital of Philadelphia

<table>
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Lee Aase  
Mayo Clinic Center for Social Media |
| 8:20 a.m. – 8:25 a.m. | Introduction  
J. William Gaynor  
Children’s Hospital of Philadelphia |
| 8:25 a.m. – 8:40 a.m. | The Promotion Process  
Bryan A. Wolf  
Children’s Hospital of Philadelphia |
| 8:40 a.m. – 8:55 a.m. | The Balancing Act: How Do You Build a Clinical Practice and a Research Career?  
Michael A. Acker  
University of Pennsylvania |
| 8:55 a.m. – 9:10 a.m. | Challenges in the Early Years of an Academic Career  
Jennifer C. Hirsch  
University of Michigan |
<p>| 9:10 a.m. – 9:40 a.m. | PANEL DISCUSSION AND QUESTIONS |
| 9:40 a.m. – 10:00 a.m. | BREAK |</p>
<table>
<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>10:00 a.m. – 10:15 a.m.</td>
<td>Challenges in Developing a Basic Science Research Program</td>
<td>Peter J. Gruber</td>
<td>Primary Children's Medical Center</td>
</tr>
<tr>
<td>10:15 a.m. – 10:30 a.m.</td>
<td>What a Basic Scientist Looks for in a Potential Collaboration with a Surgeon</td>
<td>Edward E. Morrisey</td>
<td>University of Pennsylvania</td>
</tr>
<tr>
<td>10:30 a.m. – 10:45 a.m.</td>
<td>The ROI for an MBA: Is It Worth the Cost?</td>
<td>R. Duane Davis</td>
<td>Duke University</td>
</tr>
<tr>
<td>10:45 a.m. – 11:00 a.m.</td>
<td>Opportunities for Research Using the STS Databases</td>
<td>Fred H. Edwards</td>
<td>University of Florida</td>
</tr>
<tr>
<td>11:00 a.m. – 11:15 a.m.</td>
<td>Navigating the Alphabet Soup of the NIH: K08, R01, Etc.</td>
<td>Yolonda L. Colson</td>
<td>Brigham and Women's Hospital</td>
</tr>
<tr>
<td>11:15 a.m. – 11:30 a.m.</td>
<td>How Chairmen Evaluate Candidates for Academic Positions</td>
<td>Irving L. Kron</td>
<td>University of Virginia</td>
</tr>
<tr>
<td>11:30 a.m. – 11:45 a.m.</td>
<td>PANEL DISCUSSION AND QUESTIONS</td>
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<tr>
<td>12:00 p.m.</td>
<td>ADJOURN – LUNCH ON OWN</td>
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1:30 p.m. – 5:00 p.m.

WORKING WITH INDUSTRY

Auditorium Room 1, Minneapolis Convention Center

Chair: Patrick M. McCarthy
Northwestern University

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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</thead>
</table>
| 1:30 p.m. – 1:35 p.m. | Introduction  
Patrick M. McCarthy  
Northwestern University |
| 1:35 p.m. – 1:55 p.m. | Decades of Medical Innovation:  
What’s Different Today?  
Thomas J. Fogarty  
Institute for Innovation |
| 1:55 p.m. – 2:15 p.m. | “Pulling Ideas Out of a Hat”  
William E. Cohn  
Texas Heart Institute |
| 2:15 p.m. – 2:35 p.m. | Start Your Own Company, or License Your Idea?  
Steven F. Bolling  
University of Michigan |
| 2:35 p.m. – 2:55 p.m. | The Office of Technology Transfer: Friend or Foe?  
A. Marc Gillinov  
Cleveland Clinic |
| 2:55 p.m. – 3:15 p.m. | PANEL DISCUSSION |
| 3:15 p.m. – 3:30 p.m. | BREAK |
| 3:30 p.m. – 5:00 p.m. | Industry and FDA Perspectives  
Round table discussion regarding the current system and processes among industry representatives. |
| 5:00 p.m. | ADJOURN |
## Allied Health Personnel Symposium

**Auditorium Room 2, Minneapolis Convention Center**

**Chair:** Harold M. Burkhart  
Mayo Clinic

**Nurse Planner:** Katherine J. Hoercher  
Cleveland Clinic

### 8:00 a.m. – 5:00 p.m.

<table>
<thead>
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<td>Welcome and Introduction</td>
<td>Harold M. Burkhart</td>
<td>Mayo Clinic</td>
</tr>
<tr>
<td>8:25 a.m. – 8:45 a.m.</td>
<td>Utilizing iPad Technology for Cardiac Surgical Patient Care</td>
<td>David A. Cook</td>
<td>Mayo Clinic</td>
</tr>
<tr>
<td>8:45 a.m. – 9:05 a.m.</td>
<td>Quality Measurements and NQF: What You Need to Know</td>
<td>T. Bruce Ferguson, Jr.</td>
<td>East Carolina Heart Institute</td>
</tr>
<tr>
<td>9:05 a.m. – 9:20 a.m.</td>
<td>Direct Referral Clinic: Why, How and Who?</td>
<td>Macaila C. Eick</td>
<td>Mayo Clinic</td>
</tr>
<tr>
<td>9:20 a.m. – 9:30 a.m.</td>
<td>PANEL DISCUSSION</td>
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<td>9:30 a.m. – 10:00 a.m.</td>
<td>BREAK</td>
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## Advancing Patient Care in Cardi thoracic Surgery

**Moderator:** T. Bruce Ferguson, Jr.  
East Carolina Heart Institute

### 10:00 a.m. – 10:15 a.m.

<table>
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<tbody>
<tr>
<td>10:00 a.m. – 10:15 a.m.</td>
<td>Robotic-Assisted Cardiac Surgery</td>
<td>Harold M. Burkhart</td>
<td>Mayo Clinic</td>
</tr>
</tbody>
</table>
### Percutaneous Aortic Valve Therapy Update
Gorav Ailawadi  
*University of Virginia*

### Current State of Thoracic Aortic Endovascular Surgery
John S. Ikonomidis  
*University of South Carolina*

---

### ADVANCING THE PRACTICE OF THORACIC SURGERY

#### Moderator:
Robert J. Cerfolio  
*University of Alabama*

### Is There a Role for Patient Care Pathways in Thoracic Surgery?
Marc R. Katlic  
*Sinai Hospital of Baltimore*

### Update in Robotic Thoracic Surgery
Robert J. Cerfolio  
*University of Alabama*

### Current State of Pulmonary Rehabilitation in the Postoperative Thoracic Patient
Roberto P. Benzo  
*Mayo Clinic*

### PANEL DISCUSSION

### BOX LUNCH PROVIDED IN ROOM

---

### DECISION MAKING IN THE CARDIAC SURGICAL PATIENT

#### Moderator:
Jeffrey B. Riley  
*Mayo Clinic*

### Anticoagulation Management in the Pre and Postoperative Cardiac Surgical Patient
Victor A. Ferraris  
*University of Kentucky*

### Volume Management and Blood Conservation
Jeffrey B. Riley  
*Mayo Clinic*
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>2:10 p.m. – 2:30 p.m.</td>
<td><strong>Management of Perioperative Atrial Fibrillation</strong>&lt;br&gt;  Marc R. Moon&lt;br&gt;  <em>Washington University</em></td>
</tr>
<tr>
<td>2:30 p.m. – 2:50 p.m.</td>
<td><strong>Short-Term Mechanical Circulatory Support in the Post-Cardiotomy Patient: Axial Flow Versus ECMO</strong>&lt;br&gt;  Gregory J. Schears&lt;br&gt;  <em>Mayo Clinic</em></td>
</tr>
<tr>
<td>2:50 p.m. – 3:00 p.m.</td>
<td><strong>PANEL DISCUSSION</strong></td>
</tr>
<tr>
<td>3:00 p.m. – 3:30 p.m.</td>
<td><strong>BREAK</strong></td>
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**VENTRICULAR ASSIST DEVICES UPDATE**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>3:30 p.m. – 3:50 p.m.</td>
<td><strong>Destination Therapy Versus Bridge to Transplant: Which Pathway?</strong>&lt;br&gt;  John M. Stulak&lt;br&gt;  <em>Mayo Clinic</em></td>
</tr>
<tr>
<td>3:50 p.m. – 4:10 p.m.</td>
<td><strong>Perioperative and ICU Management of the MCS Patient</strong>&lt;br&gt;  Elissa J. Yaw&lt;br&gt;  <em>Mayo Clinic</em></td>
</tr>
<tr>
<td>4:10 p.m. – 4:30 p.m.</td>
<td><strong>Overview and Management of Complications with MCS: GI Bleeding, Infection, Thrombosis, Pump Exchange</strong>&lt;br&gt;  Daniel J. Goldstein&lt;br&gt;  <em>Montefiore Medical Center</em></td>
</tr>
<tr>
<td>4:30 p.m. – 5:00 p.m.</td>
<td><strong>PANEL DISCUSSION</strong></td>
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<tr>
<td>5:00 p.m.</td>
<td><strong>ADJOURN</strong></td>
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</table>
Sunday May 5, 2013
AATS/STS Postgraduate Symposia
7:40 a.m. – 5:00 p.m.

AATS/STS Adult Cardiac Surgery Symposium
Auditorium, Minneapolis Convention Center

Chair: John G. Byrne
Vanderbilt University

Social Media and Medicine
Lee Aase
Mayo Clinic Center for Social Media

Welcome and Introduction
John G. Byrne
Vanderbilt University

Mitral Valve

MV Repair: Outcomes vs. Technique Choice: Which Technique is best for Which Lesion?
David H. Adams
Mount Sinai Medical Center

Debate: Minimally Invasive Technique Is the Preferred Method
Aubrey C. Galloway, Jr.
New York University

Debate: Open Trans-Sternal Techniques Is the Preferred Method
Patrick M. McCarthy
Northwestern University

Treatment of Endocarditis: Judgment Calls

When to Replace vs. Spare the Valve and Root
Tirone E. David
Toronto General Hospital

1:40 p.m. – 2:00 p.m.
QUESTION AND ANSWER
<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Speaker</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:20 a.m. – 10:40 a.m.</td>
<td>When to Repair vs. Replace the Mitral Valve/Avoid AV Dehiscence</td>
<td>Michael R. Petracek</td>
<td>Vanderbilt University</td>
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<tr>
<td>10:40 a.m. – 10:50 a.m.</td>
<td>QUESTION AND ANSWER</td>
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<tr>
<td>10:50 a.m. – 11:10 a.m.</td>
<td>Reconstruction Fibrous Skeleton: Techniques, Pitfalls, Results</td>
<td>Gosta B. Pettersson</td>
<td>Cleveland Clinic</td>
</tr>
<tr>
<td>11:10 a.m. – 11:20 a.m.</td>
<td>QUESTION AND ANSWER</td>
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<tr>
<td>11:20 a.m. – 11:40 a.m.</td>
<td>TAVR Update: Open vs. Closed, Future Directions</td>
<td>Michael J. Reardon</td>
<td>Methodist DeBakey Heart Center</td>
</tr>
<tr>
<td>11:40 a.m. – 12:00 p.m.</td>
<td>QUESTION AND ANSWER</td>
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<tr>
<td>12:00 p.m. – 1:30 p.m.</td>
<td>LUNCHEON SYMPOSIUM “The Price of Innovation”</td>
<td>Albert Starr</td>
<td>Oregon Health and Science University</td>
</tr>
<tr>
<td>1:30 p.m. – 1:50 p.m.</td>
<td>When not to in Cardiac Surgery: David Procedure</td>
<td>Joseph E. Bavaria</td>
<td>University of Pennsylvania</td>
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<tr>
<td>1:50 p.m. – 2:00 p.m.</td>
<td>QUESTION AND ANSWER</td>
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<tr>
<td>2:00 p.m. – 2:20 p.m.</td>
<td>When Not to in Cardiac Surgery: Off-Pump CABG</td>
<td>Ralph J. Damiano, Jr.</td>
<td>Washington University</td>
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<tr>
<td>2:20 p.m. – 2:30 p.m.</td>
<td>QUESTION AND ANSWER</td>
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<tr>
<td>2:30 p.m. – 2:50 p.m.</td>
<td>When Not to in Cardiac Surgery: Minimally Invasive Mitral Valve Repair</td>
<td>Stephen K. Ball</td>
<td>Vanderbilt Heart and Vascular Institute</td>
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<td>2:50 p.m. – 3:00 p.m.</td>
<td>QUESTION AND ANSWER</td>
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<tr>
<td>3:00 p.m. – 3:20 p.m.</td>
<td><strong>When Not to in Cardiac Surgery: Repair of Type A Dissection</strong>&lt;br&gt;R. Scott Mitchell&lt;br&gt;Stanford University</td>
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<tr>
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<td><strong>QUESTION AND ANSWER</strong></td>
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<td><strong>BREAK</strong></td>
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<td>3:50 p.m. – 4:10 p.m.</td>
<td><strong>Integrated CV Practice: Private</strong>&lt;br&gt;Kevin D. Accola&lt;br&gt;Cardiovascular Surgical PA</td>
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<td><strong>QUESTION AND ANSWER</strong></td>
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<tr>
<td>4:20 p.m. – 4:40 p.m.</td>
<td><strong>Integrated CV Practice: Academic</strong>&lt;br&gt;Bruce W. Lytle&lt;br&gt;Cleveland Clinic</td>
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<td>4:40 p.m. – 4:50 p.m.</td>
<td><strong>QUESTION AND ANSWER</strong></td>
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<td>5:00 p.m.</td>
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### Practice Models

<table>
<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>7:40 a.m. – 8:00 a.m.</td>
<td><strong>Social Media and Medicine</strong>&lt;br&gt;Lee Aase&lt;br&gt;Mayo Clinic Center for Social Media</td>
</tr>
<tr>
<td>8:00 a.m. – 8:05 a.m.</td>
<td><strong>Opening Remarks</strong>&lt;br&gt;Joseph A. Dearani&lt;br&gt;Mayo Clinic</td>
</tr>
<tr>
<td>8:05 a.m. – 8:25 a.m.</td>
<td><strong>What Can the Database Tell us about Reoperation?</strong>&lt;br&gt;Jeffrey P. Jacobs&lt;br&gt;All Children's Hospital</td>
</tr>
<tr>
<td>8:25 a.m. – 8:45 a.m.</td>
<td><strong>Strategies for the High Risk Redo</strong>&lt;br&gt;Joseph A. Dearani&lt;br&gt;Mayo Clinic</td>
</tr>
<tr>
<td>8:45 a.m. – 9:05 a.m.</td>
<td><strong>Therapeutic/Prophylactic Arrhythmia Management</strong>&lt;br&gt;Constantine Mavroudis&lt;br&gt;Florida Hospital for Sick Children</td>
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<td>Time</td>
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<tr>
<td>9:05 a.m. – 9:35 a.m.</td>
<td>PANEL DISCUSSION</td>
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<tr>
<td>9:35 a.m. – 10:15 a.m.</td>
<td>BREAK</td>
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<tr>
<td>10:15 a.m. – 10:35 a.m.</td>
<td>Repair of Atrioventricular Valves</td>
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<tr>
<td>10:35 a.m. – 10:55 a.m.</td>
<td>Prosthesis Selection When Repair Is Not Possible</td>
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<tr>
<td>10:55 a.m. – 11:15 a.m.</td>
<td>Percutaneous Valve-In-Valve Therapy</td>
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<tr>
<td>11:15 a.m. – 12:00 p.m.</td>
<td>PANEL DISCUSSION</td>
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<tr>
<td>12:00 p.m. – 1:30 p.m.</td>
<td>LUNCHEON SYMPOSIUM</td>
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<tr>
<td>1:30 p.m. – 1:50 p.m.</td>
<td>Management of the Dilated Aorta in CHD</td>
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<td>Time</td>
<td>Session Title</td>
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<td>1:50 p.m. – 2:10 p.m.</td>
<td>HLHS – What to Expect Down the Road</td>
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<td>2:10 p.m. – 2:30 p.m.</td>
<td>Full Metal Jacket . . . Reoperation in Stentland</td>
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<td>2:30 p.m. – 3:00 p.m.</td>
<td>PANEL DISCUSSION</td>
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<td>3:00 p.m. – 3:25 p.m.</td>
<td>BREAK</td>
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<td>3:25 p.m. – 3:45 p.m.</td>
<td>End Stage CHD – When It Is Time for Transplant</td>
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<td>3:45 p.m. – 4:05 p.m.</td>
<td>VAD Strategies &amp; Outcome in CHD</td>
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<td>4:05 p.m. – 4:25 p.m.</td>
<td>All This Monitoring – What’s Necessary, What’s Not</td>
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<td>4:25 p.m. – 4:55 p.m.</td>
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<td>4:55 p.m. – 5:00 p.m.</td>
<td>Closing Remarks</td>
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<td>5:00 p.m.</td>
<td>ADJOUR</td>
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# American Association for Thoracic Surgery

## AATS/STS General Thoracic Surgery Symposium

**Address:** 101 E, Minneapolis Convention Center

**Chair:** Cameron D. Wright  
Massachusetts General Hospital

**Moderator:** Claude Deschamps  
Mayo Clinic

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Speaker</th>
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<tbody>
<tr>
<td>7:30 a.m. – 7:40 a.m.</td>
<td>Welcome</td>
<td>Cameron D. Wright</td>
<td>Massachusetts General Hospital</td>
</tr>
<tr>
<td>7:40 a.m. – 8:00 a.m.</td>
<td>Social Media and Medicine</td>
<td>Lee Aase</td>
<td>Mayo Clinic Center for Social Media</td>
</tr>
<tr>
<td>8:00 a.m. – 8:20 a.m.</td>
<td>Lung Resection for MTB and NTM</td>
<td>John D. Mitchell</td>
<td>University of Colorado</td>
</tr>
<tr>
<td>8:20 a.m. – 8:40 a.m.</td>
<td>Stage I Inoperable NSCLC-RFA or SBRT?</td>
<td>Michael Lanuti</td>
<td>Massachusetts General Hospital</td>
</tr>
<tr>
<td>8:40 a.m. – 9:00 a.m.</td>
<td>Navigational Bronchoscopy</td>
<td>Douglas Minnich</td>
<td>University of Alabama at Birmingham</td>
</tr>
<tr>
<td>9:00 a.m. – 9:20 a.m.</td>
<td>Tracheoplasty for TBM</td>
<td>Sidu Gangadharan</td>
<td>Beth Israel Deaconess</td>
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<tr>
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<td>PANEL DISCUSSION</td>
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<tr>
<td>10:10 a.m. – 10:30 a.m.</td>
<td>Sublobar Resection for T1a NSCLC</td>
<td>David C. Rice</td>
<td>MD Anderson Cancer Center</td>
</tr>
<tr>
<td>10:30 a.m. – 10:50 a.m.</td>
<td>Robotic Lobectomy</td>
<td>Bernard J. Park</td>
<td>Hackensack University</td>
</tr>
<tr>
<td>10:50 a.m. – 11:10 a.m.</td>
<td>Management of Intraoperative Complications during VATS Lobectomy</td>
<td>Scott J. Swanson</td>
<td>Brigham and Women's Hospital</td>
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<tr>
<td>11:10 a.m. – 11:30 a.m.</td>
<td>Persistent N2 Disease after Induction Therapy – What Next?</td>
<td>Valerie W. Rusch</td>
<td>Memorial Sloan-Kettering Cancer Center</td>
</tr>
<tr>
<td>11:30 a.m. – 11:50 a.m.</td>
<td>Lung Cancer Resection on Cardiopulmonary Bypass</td>
<td>Daniel J. Boffa</td>
<td>Yale University</td>
</tr>
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<td>12:00 p.m. – 1:30 p.m.</td>
<td>LUNCHEON SYMPOSIUM “The Price of Innovation”</td>
<td>Albert Starr</td>
<td>Oregon Health and Science University</td>
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<td>1:30 p.m. – 1:50 p.m.</td>
<td>Stenting of Esophageal Leaks and Perforations</td>
<td>Richard K. Freeman</td>
<td>St. Vincent’s Health and Hospital System</td>
</tr>
<tr>
<td>1:50 p.m. – 2:10 p.m.</td>
<td>Esophageal Anastomotic Techniques</td>
<td>Raphael Bueno</td>
<td>Brigham and Women’s Hospital</td>
</tr>
<tr>
<td>2:10 p.m. – 2:30 p.m.</td>
<td>Induction Therapy for Esophageal Cancer-Cross Trial Results</td>
<td>Stephen C. Yang</td>
<td>Johns Hopkins Medical Institutions</td>
</tr>
<tr>
<td>2:30 p.m. – 2:50 p.m.</td>
<td>Laparoscopic Paraesophageal Hiatus Hernia Repair</td>
<td>Stephen D. Cassivi</td>
<td>Mayo Clinic</td>
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<tr>
<td>3:50 p.m. – 4:10 p.m.</td>
<td>SVC Resection</td>
<td>Kenneth A. Kessler</td>
<td>Indiana University</td>
</tr>
<tr>
<td>4:10 p.m. – 4:30 p.m.</td>
<td>Use of VAC Therapy in Thoracic Surgery Infections</td>
<td>Gaetano Rocco</td>
<td>National Cancer Institute, ESTS</td>
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<tr>
<td>4:30 pm – 5:00 pm</td>
<td>PANEL DISCUSSION</td>
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<td>5:00 p.m.</td>
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# AATS/STS Cardiothoracic Critical Care Symposium

**200 C, Minneapolis Convention Center**

**Chairs:** Nevin M. Katz  
Johns Hopkins University  
Michael S. Mulligan  
University of Washington

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker(s)</th>
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</table>
| 7:40 a.m. – 8:00 a.m. | Social Media and Medicine                                   | Lee Aase  
*Mayo Clinic Center for Social Media* |
| 8:00 a.m. – 8:10 a.m. | Welcome and Opening Remarks                                 | Michael S. Mulligan  
*University of Washington* |
| 8:10 a.m. – 8:30 a.m. | CT Critical Care: Meeting the Challenges                     | Nevin M. Katz  
*Johns Hopkins University* |
| 8:30 a.m. – 9:00 a.m. | Latest Technologies for Hemodynamic & Respiratory Monitoring | Daniel T. Engelman  
*Baystate Medical Center* |
| 9:00 a.m. – 9:30 a.m. | Ventilatory Support for Acute Lung Injury & ARDS             | Neil R. MacIntyre  
*Duke University* |
| 9:30 a.m. – 10:00 a.m. | Case Scenarios: ALI & ARDS                                   | Matthew Bacchetta  
*Columbia University* |
| 10:00 a.m. – 10:30 a.m. | BREAK                                                        |                                                     |
| 10:30 a.m. – 11:00 a.m. | Post-Cardiotomy Circulatory Support: Integration of Currently Available Strategies | Francis D. Pagani  
*University of Michigan* |
| 11:00 a.m. – 12:00 p.m. | Hemodynamic Simulation                                       | Lyle D. Joyce  
*Mayo Clinic*  
Nevin M. Katz  
*Johns Hopkins University* |
<table>
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</table>
| 12:00 p.m. – 1:30 p.m. | **LUNCHEON SYMPOSIUM**  
*“The Price of Innovation”*  
*Ballroom AB*  
Albert Starr  
*Oregon Health and Science University* |
| 1:30 p.m. – 2:00 p.m.   | **Lung Transplant Management**  
Michael S. Mulligan  
*University of Washington* |
| 2:00 p.m. – 2:30 p.m.   | **Development and Implementation of Clinical Pathways in the CTICU**  
Rakesh C. Arora MD  
*St. Boniface General Hospital* |
| 2:30 p.m. – 3:00 p.m.   | **Case Scenarios**  
Aaron Cheng  
*University of Washington* |
| 3:00 p.m. – 3:30 p.m.   | **BREAK** |
| 3:30 p.m. – 4:00 p.m.   | **Management of Refractory Pneumonias in CT Surgical Patients**  
Dennis G. Maki  
*University of Wisconsin* |
| 4:00 p.m. – 4:30 p.m.   | **Management of Postoperative Extremity Ischemia**  
Jonathan W. Haft  
*University of Michigan* |
| 4:30 p.m. – 5:00 p.m.   | **Case Scenarios**  
Michael S. Mulligan  
*University of Washington* |
| 5:00 p.m.               | **ADJOURN** |
SUNDAY, MAY 5, 2013

C. WALTON LILLEHEI RESIDENT FORUM SESSION
Auditorium Room 1, Minneapolis Convention Center

3:00 p.m. – 5:00 p.m.
16th Annual C. Walton Lillehei Resident Forum
(7 minute presentation, 8 minute discussion)

Chairs: Thomas Waddell, University of Toronto
        Y. Joseph Woo, University of Pennsylvania

L1. Functional Recovery Following a Brief Period of Ischemia is Enhanced in Hearts from Inducible Cardiomyocyte-Specific CD36 Deficient Mice
    Jeevan Nagendran
    University of Alberta
    Invited Discussant: Vivek Rao

L2. Mesothelin Overexpression Imparts an Aggressive Phenotype and Decreases Recurrence-Free Survival in Early Stage Lung Adenocarcinoma
    Stefan S. Kachala
    Memorial Sloan-Kettering Cancer Center
    Invited Discussant: Walter Weder

L3. Alpha 2a Agonist Dexmedetomidine Promotes Ischemic Tolerance in a Murine Model of Spinal Cord Ischemia-Reperfusion
    Marshall T. Bell
    University of Colorado
    Invited Discussant: John S. Ikonomidis

L4. Safety and Efficacy of Ex Vivo Adenoviral IL-10 Gene Therapy in a Lung Transplantation Large Animal Survival Model
    Tiago N. Machuca
    University of Toronto
    Invited Discussant: TBD

L5. Effects of Angiotensin II on Sirtuin Expression
    Lawrence E. Greiten
    Mayo Clinic
    Invited Discussant: Juan A. Crestanello

L6. Humoral Tolerance to Murine Cardiac Allografts by Targeting the Critical Homeostatic Regulator of B-Lymphocyte Selection, BlyS-BAFF
    Hooman Noorchashm
    Brigham and Women’s Hospital
    Invited Discussant: Pirooz Eghtesady
L7. *Ex Vivo* Lung Perfusion with Concomitant Adenosine 2A Receptor Agonism Treatment Provides a Superior Strategy for Non-Heart-Beating Lung Rehabilitation
Matthew L. Stone
*University of Virginia*

*Invited Discussant: TBD*

L8. Resveratrol Regulates Autophagy Signaling in Chronically Ischemic Myocardium
Ashraf A. Sabe
*Warren Alpert Medical School Brown University*

*Invited Discussant: Michael P. Fischbein*

5:00 p.m.  **ADJOURN**

**Monday, May 6, 2013**

7:30 a.m.  **Business Session (AATS Members Only)**  
*Auditorium, Minneapolis Convention Center*

7:45 a.m.  **PLENARY SCIENTIFIC SESSION**  
(8 minute presentation, 12 minute discussion)  
*Moderators: Hartzell V. Schaff  Thoralf M. Sundt, III*

1. Reduced Anticoagulation After Mechanical Aortic Valve Replacement: Interim Results from the PROACT Randomized FDA IDE Trial
John D. Puskas  
*Emory University*  
*Invited Discussant: A. Pieter Kappetein*

2. Technical Performance Scores Are Strongly Associated with Early Mortality, Postoperative Adverse Events and Length of Stay – Analysis of Consecutive Discharges over 1 Year
Meena Nathan  
*Children's Hospital Boston*  
*Invited Discussant: Christopher A. Caldarone*

3. Minimal Dose Computed Tomography Is Superior to Chest X-ray for the Follow-up and Treatment of Patients with Resected Lung Cancer
Wael C. Hanna  
*University of Toronto*  
*Invited Discussant: Michael T. Jaklitsch*
Luca Welert  
European Hospital  
Invited Discussant: Victor A. Ferraris

9:05 a.m. AWARD PRESENTATIONS  
9:20 a.m. BREAK — VISIT EXHIBITS  
Exhibit Hall, Minneapolis Convention Center

10:00 a.m. BASIC SCIENCE LECTURE  
“Update on Surgical-Pathologic Correlates of Valvular Heart Disease”  
William D. Edwards, Mayo Clinic  
Introduced By: Hartzell V. Schaff

10:40 a.m. PLENARY SCIENTIFIC SESSION  
Moderators: Hartzell V. Schaff  
Thoralf M. Sundt, III

5. VATS Lobectomy Is Not Associated with Prohibitive Morbidity or Mortality in Patients with Predicted Post-Operative FEV1 (ppoFEV1) Less Than 40% of Normal: A Society of Thoracic Surgeons Database Analysis  
Bryan M. Burt  
Stanford University  
Invited Discussant: David C. Rice

6. Early Clinical Outcome of Transcatheter Valve-in-Valve Implantation in the Nordic Countries  
Leo Ihlberg  
Helsinki University Hospital, Helsinki, Finland  
Invited Discussant: Mathew R. Williams

11:25 a.m. PRESIDENTIAL ADDRESS  
“On Leadership and Scholarship – Unintended Consequences, Unexpected Opportunity”  
Hartzell V. Schaff  
Introduced By: David J. Sugarbaker

12:15 p.m. ADJOURN FOR LUNCH — VISIT EXHIBITS  
Exhibit Hall, Minneapolis Convention Center
Monday Afternoon, May 6, 2013

SIMULTANEOUS SCIENTIFIC SESSIONS

2:00 p.m.
ADULT CARDIAC SURGERY SIMULTANEOUS
SCIENTIFIC SESSION
Auditorium, Minneapolis Convention Center
(8 minute presentation, 12 minute discussion)
Moderators: Ralph J. Damiano, Jr.
Harold L. Lazar

7. The Ross Procedure: Outcomes at 20 Years
David E. Tirone
University of Toronto
Invited Discussant: Nicholas T. Kouchoukos

8. Incidence and Progression of Mild Aortic
Regurgitation After Valve-Sparing Aortic Root
Replacement
Elizabeth H. Stephens
Stanford University
Invited Discussant: Leonard N. Girardi

9. Expanding Relevance of Aortic Valve Repair – Is
Earlier Operation Indicated?
Suri M. Rakesh
Mayo Clinic
Invited Discussant: Hans-Joachim Schaefers

3:00 p.m. BREAK – VISIT EXHIBITS
Exhibit Hall, Minneapolis Convention Center

3:35 p.m.
ADULT CARDIAC SURGERY SIMULTANEOUS
SCIENTIFIC SESSION
Moderators: Ralph J. Damiano, Jr.
Harold L. Lazar

10. The Impact of the Cox-Maze Procedure for Atrial
Fibrillation Concomitant to Mitral and Tricuspid
Valve Surgery
Niv Ad
Inova Heart and Vascular Institute
Invited Discussant: Vinay Badwar

11. Should Paroxysmal Atrial Fibrillation Be Treated
During Cardiac Surgery?
Patrick M. McCarthy
Northwestern University
Invited Discussant: A. Mark Gillinov
12. Preoperative Chronic Kidney Dysfunction: Does Transcatheter Aortic Valve Replacement Provide a Benefit Compared to Surgical Aortic Valve Replacement?
Tom C. Nguyen
Emory University
Invited Discussant: Wilson Y. Szeto

13. Long-Term Outcome After Surgery for Infective Endocarditis Complicated by Cerebral Embolism
Martin Misfeld
Heart Center Leipzig, University of Leipzig, Leipzig, Germany
Invited Discussant: Marc Ruel

Late-Breaking Clinical Trial

LB1. The DISCOVER CE Trial: Multicenter Prospective Trial of the Direct Flow Medical Transcatheter Aortic Valve
E. Murat Tuzcu
Cleveland Clinic

5:15 p.m. ADJOURN

Monday Afternoon, May 6, 2013

Simultaneous Scientific Sessions

2:00 p.m.
Congenital Heart Disease Simultaneous Scientific Session
101 B, Minneapolis Convention Center
(8 minute presentation, 12 minute discussion)
Moderators: Pedro J. del Nido
Christopher A. Caldarone

Cheul Lee
Sejong General Hospital, Bucheon, Republic of Korea
Invited Discussant: Tom R. Karl
15. The Balloon Dilation of the Pulmonary Valve During Early Repair of Tetralogy of Fallot: Mid-Term Results
Vladimiro Vida
University of Padua, Padua, Italy

Invited Discussant: Frank L. Hanley

16. The Use of the Berlin Heart EXCOR in Patients with Functional Single Ventricle
Samuel Weinstein
Montefiore Medical Center

Invited Discussant: David L. Morales

17. Incidence and Treatment of Chylothorax After Cardiac Surgery in Children: Analysis of a Large Multiinstitutional Database
Carlos M. Mery
Texas Children’s Hospital

Invited Discussant: Glen Van Arsdell

3:20 p.m. BREAK – VISIT EXHIBITS
Exhibit Hall, Minneapolis Convention Center

3:55 p.m.
CONGENITAL HEART DISEASE SIMULTANEOUS SCIENTIFIC SESSION
Moderators: Pedro J. del Nido
Christopher A. Caldarone

18. Management of Tricuspid Valve Regurgitation in Patients with Congenital Heart Disease: Is Survival Better with Valve Repair?
Sameh M. Said
Mayo Clinic

Invited Discussant: Charles D. Fraser

19. Paracorporeal Lung Assist Devices As a Bridge to Recovery or Lung Transplant in Neonates and Young Children
David M. Hoganson
Washington University

Invited Discussant: Mark D. Rodefeld

Zengshan Ma
Liaocheng Hospital, Liaocheng, China

Invited Discussant: William M. DeCampli

5:00 p.m. ADJOURN
Monday Afternoon, May 6, 2013

SIMULTANEOUS SCIENTIFIC SESSIONS

2:00 p.m.
GENERAL THORACIC SURGERY SIMULTANEOUS
SCIENTIFIC SESSION
101 E, Minneapolis Convention Center
(8 minute presentation, 12 minute discussion)

Moderators: Harvey I. Pass
            David R. Jones

    Mark K. Ferguson
    The University of Chicago

Invited Discussant: Christine Lau

22. Long-Term Outcome After Laparoscopic Myotomy for Achalasia
    Pradheep Krishnamohan
    Mayo Clinic

Invited Discussant: Bryan F. Meyers

23. Sub-Lobar Resection Is Equivalent to Lobectomy for Clinical Stage 1a Lung Cancer: An Analysis of I-ELCAP Resected Cancers
    Nasser K. Altorki
    Weill Cornell Medical Center

Invited Discussant: Joseph S. Friedberg

24. Wedge Resection Margin Length and Clinical Outcome in Small ≤ 2 cm Non-Small Cell Lung Cancer
    Kamran Mohiuddin
    Brigham and Women's Hospital

Invited Discussant: Joshua S. Sonett

3:20 p.m. BREAK – VISIT EXHIBITS

Exhibit Hall, Minneapolis Convention Center
3:55 p.m.  
GENERAL THORACIC SURGERY SIMULTANEOUS  
SCIENTIFIC SESSION  

Moderators: Harvey I. Pass  
David R. Jones  

25. Pulmonary Artery Pressure Changes Differentially  
Effect Survival in Pulmonary Hypertension and  
Chronic Obstructive Pulmonary Disease Transplant  
Recipients: An Analysis of the UNOS STAR Registry  
Kathryn O'Keefe  
Ohio State University  
Invited Discussant: Thomas K. Waddell  

26. Lung Volume Reduction Surgery: An Underutilized  
Procedure  
Stephen R. Hazelrigg  
Southern Illinois University  
Invited Discussant: Malcolm M. DeCamp  

27. Survivorship After Surgical Resection for Cancer:  
The Need for Continued Surgical Follow-Up  
Mira A. Patel  
Johns Hopkins University  
Invited Discussant: M. Blair Marshall  

LATE-BREAKING CLINICAL TRIAL  

LB2. Chemotherapy followed by Surgery on the Basis of  
Biomarker Examination for Initially Unresectable  
Non-Small Cell Lung Cancer (NSCLC) Patients  
Hiryasu Yokomise  
Kagawa University Hospital, Kita-gun, Japan  

5:15 p.m.  ADJOURN
Monday Afternoon, May 6, 2013

SIMULTANEOUS SCIENTIFIC SESSIONS

2:00 p.m.
PERIOPERATIVE CARE SIMULTANEOUS SCIENTIFIC SESSION
Auditorium Room 1, Minneapolis Convention Center
(8 minute presentation, 12 minute discussion)

Moderators: Lyle D. Joyce
Harold M. Burkhart

28. Relative Amplitude Index: A New Tool for Prediction of the Impact of Periprosthetic Regurgitation on Outcome After Transcatheter Aortic Valve Implantation
Nikolaos Bonaros
Innsbruck Medical University
Invited Discussant: Rakesh M. Suri

29. Efficacy of Immunomodulation in the Treatment of Profound Thrombocytopenia After Adult Cardiac Surgery
J. Scott Rankin
Vanderbilt University
Invited Discussant: Nevin M. Katz

30. Relationship Between Perioperative Corticosteroid Drug Levels and Adrenal Response for Infants Following Cardiopulmonary Bypass
Sheri S. Crow
Mayo Clinic
Invited Discussant: Olaf Reinhartz

31. Prospective Evaluation of Patients Readmitted After Cardiac Surgery: Analysis of Outcomes and Identification of Risk Factors
Hersh S. Maniar
Washington University
Invited Discussant: Anelechi C. Anyanwu

3:20 p.m. BREAK – VISIT EXHIBITS
Exhibit Hall, Minneapolis Convention Center
3:55 p.m.
PERIOPERATIVE CARE SIMULTANEOUS
SCIENTIFIC SESSION

**Moderators:** Lyle D. Joyce
Harold M. Burkhart

32. **Diffusion-Weighted Magnetic Resonance Imaging Lesions After Repair of Acute Type A Aortic Dissection: Association with Neurocognitive Outcomes**
Suk-Won Song
Gangnam Severance Hospital, Yonsei University College of Medicine, Seoul, Republic of Korea

*Invited Discussant:* Lars G. Svensson

33. **Evaluation of Dynamic Intimal Flap Movement in Acute Stanford Type B Aortic Dissections (ATBD) Before and After TEVAR**
Frank R. Arko, III
Sanger Heart and Vascular Society

*Invited Discussant:* Alberto Pochettino

34. **The Effect of Tidal Volume on Pulmonary Complications following Minimally Invasive Esophagectomy: A Randomized and Controlled Study**
Yaxing Shen
Zhongshan Hospital of Fudan University, Shanghai, China

*Invited Discussant:* David H. Harpole, Jr.

**Late-Breaking Clinical Trial**

LB3. **Analgesia in Thoracotomy Patients: Epidural vs. Paravertebral Technique – A Randomized, Double-Blind, Prospective Study**
Federico Raveglia
Università degli Studi di Milano, Milan, Italy

5:15 p.m. **ADJOURN**
Tuesday Morning, May 7, 2013

7:00 a.m.
CARDIAC SURGERY FORUM
Auditorium Room 1, Minneapolis Convention Center
(5 minute presentation, 5 minute discussion)

Moderators: Y. Joseph Woo
Gorav Ailawadi

F1. Endovascular Coil Embolization of Segmental Arteries Prevents Paraplegia After Subsequent Hybrid TAAA Repair – An Experimental Model
Sarah Geisbüsch
Mount Sinai Medical Center
Invited Discussant: Joseph S. Coselli

Augusto D’Onofrio
University of Padova, Padova, Italy
Invited Discussant: Michael A. Borger

F3. Outcomes of Surgical Aortic Valve Replacement in Moderate Risk Patients: Implications for Determination of Equipoise in the Transcatheter Era
Sebastian A. Iturra
Mayo Clinic
Invited Discussant: Kenton J. Zehr

F4. Platelet Activity Measured by a Rapid Turnaround Assay Identifies CABG Patients at Increased Risk for Bleeding and Transfusion Complications Following Clopidogrel Administration
Todd K. Rosengart
Baylor College of Medicine
Invited Discussant: Song Wan

F5. The Challenge of Achieving 1% Operative Mortality for Coronary Artery Bypass Grafting: A Multi-Institution Society of Thoracic Surgeons Database Analysis
Damien J. LaPar
University of Virginia
Invited Discussant: Todd K. Rosengart
F6. Arterial Grafts Balance Survival between Incomplete and Complete Revascularization: A series of 956 Consecutive Coronary Artery Bypass Graft Patients with 98% Arterial Grafts
Teresa Kieser
University of Calgary, Calgary, AB, Canada

Invited Discussant: Philip A. Hayward

F7. Protecting the Aged Heart During Cardiac Surgery: Use of del Nido Cardioplegia Provides Superior Functional Recovery in Isolated Hearts
Arun Govindapillai
Dalhousie University, Halifax, NS, Canada

Invited Discussant: J. William Gaynor

F8. Surgical Ablation for Atrial Fibrillation Over Two Decades: Are Results of New Techniques Equivalent to the Cox-Maze III Procedure?
John M. Stulak
Mayo Clinic

Invited Discussant: Ralph J. Damiano, Jr.

F9. Incidence of Pump Failure and Change in Continuous Flow Left Ventricular Assist Devices
Edward R. Stephenson, Jr.
Penn State/ Milton S Hershey Medical Center

Invited Discussant: John V. Conte

F10. Impact of Concurrent Surgical Valve Procedures in Patients Receiving Continuous-Flow LVADs
Ranjit John
University of Minnesota

Invited Discussant: Michael A. Acker

Tuesday Morning, May 7, 2013

7:00 a.m.
GENERAL THORACIC SURGERY FORUM
101 E, Minneapolis Convention Center
(5 minute presentation, 5 minute discussion)

Moderators: Frank D’Ovidio
Gunda Leschber

F11. Expansile Nanoparticles Chemotherapeutic Delivery Prolongs Survival of Human Malignant Pleural Mesothelioma in In Vivo Model
Rong Liu
Brigham and Women’s Hospital

Invited Discussant: Marc de Perrot
F12. Inhibition of the Hedgehog (HH) Signal Transduction Pathway Significantly Suppresses Survival of Malignant Pleural Mesothelioma (MPM) Cells In Vitro
Dao M. Nguyen
University of Miami

Invited Discussant: Jules Lin

F13. Interaction Networks of microRNA and Genes in Malignant Mesothelioma
Chuong D. Hoang
Stanford University

Invited Discussant: David S. Schrump

F14. Disseminated Tumor Cell Detection in Lung Cancer Patients by Multi-Marker qPCR Analysis of Bone Marrow
Christopher J. Agrusa
Weill Cornell Medical College, New York-Presbyterian Hospital

Invited Discussant: Dao M. Nguyen

F15. In the Hunt for Therapeutic Targets: Mimicking Growth and Metastasis of Early-Stage Human Lung Cancer Using A Novel Orthotopic Animal Model
Ori Wald
Hadassah Medical Center, Jerusalem, Israel

Invited Discussant: Sai Yendamuri

F16. Pro-Tumorigenic Cancer-Associated Fibroblasts Are Tumor-Activated Resident Lung Fibroblasts that Are Not Confined to the Tumor Microenvironment in NSCLC Patients
Gregory G. Salzler
New York Presbyterian Hospital/Weill Cornell Medical College

Invited Discussant: Alexander S. Krupnick

F17. A Novel Sphingosine 1-Phosphate Analog Provides Protection from Lung Ischemia-Reperfusion Injury
Stephen D. Cossini
University of Virginia

Invited Discussant: Joseph B. Zwischenberger

F18. Effect of Inhaled Tacrolimus on Ischemia Reperfusion Injury in Rat Lung Transplant Model
Johanna Bayer
UTHSCSA

Invited Discussant: Joseph B. Zwischenberger
F19. Treatment with Placenta-Derived Mesenchymal Stem Cells Mitigates Development of Bronchiolitis Obliterans in a Murine Model
Jacob R. Gillen
University of Virginia
Invited Discussant: Daniel Kreisel

Tuesday Morning, May 7, 2013

PLENARY SCIENTIFIC SESSION

8:45 a.m.
PLENARY SCIENTIFIC SESSION
Auditorium, Minneapolis Convention Center
(8 minute presentation, 12 minute discussion)
Moderators: Hartzell V. Schaff
Thoralf M. Sundt, III

35. American Board of Thoracic Surgery Examination: Fewer Graduates, More Failures
Moffatt-Bruce Susan
The Ohio State University
Invited Discussant: Richard J. Shemin

36. FFR-Guided CABG: Can Intra-Operative Imaging Guide the Decision-Making?
T. Bruce Ferguson, Jr.
East Carolina Heart Institute
Invited Discussant: Joseph F. Sabik

37. Inter-Surgeon Variability in Long-Term Outcomes After Transatrial Repair of Tetralogy of Fallot: 25 Years Experience with 675 Patient
Yves d’Udekem
The Royal Children’s Hospital
Invited Discussant: Marshall L. Jacobs

38. Clinical Evaluation of Functional Mitral Stenosis After Mitral Valve Repair for Degenerative Disease: Potential Impact on Surgical Strategy
Thierry Mesana
University of Ottawa Heart Institute, Ottawa, ON, Canada
Invited Discussant: David H. Adams

10:05 a.m. AWARD PRESENTATIONS

10:15 a.m. BREAK – VISIT EXHIBITS
Exhibit Hall, Minneapolis Convention Center
10:40 a.m.
PLENARY SCIENTIFIC SESSION
Auditorium, Minneapolis Convention Center
(8 minute presentations, 12 minute discussion)
Moderators: Hartzell V. Schaff
Thoralf M. Sundt, III

39. Patterns of First Recurrence and Survival
   Comparison Between Surgical Resection and
   Stereotactic Body Radiation Therapy for Stage I
   Non-Small Cell Lung Cancer
   Traves D. Crabtree
   Washington University
   Invited Discussant: James D. Luketich

40. The Second Best Arterial Graft: A Propensity
    Analysis of the Radial Artery versus the Right
    Internal Thoracic Artery to Bypass the Circumflex
    Coronary Artery
    Robert F. Tranbaugh
    Beth Israel Medical Center
    Invited Discussant: James Tatoulis

41. Parameters for Successful Non-Operative
    Management of Traumatic Aortic Injury
    Joseph Rabin
    University of Maryland
    Invited Discussant: Thomas E. MacGillivray

11:40 a.m.
HONORED SPEAKER LECTURE
Interview with former Vice President Dick Cheney:
Personal Reflections on Cardiac Surgery
The Honorable Richard B. Cheney
Former Vice President of the United States of America
Introduced By: Hartzell V. Schaff

12:30 p.m. ADJOURN FOR LUNCH – VISIT EXHIBITS
Exhibit Hall, Minneapolis Convention Center
Tuesday Afternoon, May 7, 2013

SIMULTANEOUS SCIENTIFIC SESSIONS

2:00 p.m.
ADULT CARDIAC SURGERY SIMULTANEOUS SCIENTIFIC SESSION
Auditorium, Minneapolis Convention Center
(8 minute presentation, 12 minute discussion)
Moderators: David C. McGiffin
A. Pieter Kappetein

42. Understanding Variability in Hospital-Specific Costs of CABG Represents an Opportunity for Standardizing Care and Improving Resource Utilization
Arman Kilic
Johns Hopkins Hospital
Invited Discussant: T. Bruce Ferguson

43. Age-Cut Off for the Loss of Survival Benefit from Radial Artery As Second Conduit in Coronary Artery Bypass Grafting
Umberto Benedetto
St. Andrea Hospital – University of Rome, Rome, Italy
Invited Discussant: Stephen E. Fremes

44. Assessment of Coronary Artery Disease Risk in 5,463 Patients Undergoing Cardiac Surgery – When Is Preoperative Coronary Angiography Necessary?
Nassir M. Thalji
Mayo Clinic
Invited Discussant: Jennifer S. Lawton

3:00 p.m. BREAK – VISIT EXHIBITS
Exhibit Hall, Minneapolis Convention Center

3:45 p.m.
ADULT CARDIAC SURGERY SIMULTANEOUS SCIENTIFIC SESSION
Moderators: David C. McGiffin
A. Pieter Kappetein

45. Carotid Artery Stenosis in CABG Patients with History of Neurologic Event
Keiji Oi
Hokushin General Hospital, Nakano-shi, Nagano, Japan
Invited Discussant: Edward Y. Sako
46. Impact of ABO Compatibility on Heart Transplantation Outcomes in a Nationwide Cohort Study Over the Last Decade
Oliver K. Jawitz
Yale School of Medicine
Invited Discussant: Nader Moazami

47. Outcomes with Continuous Flow Left Ventricular Assist Devices for Destination Therapy
Mani A. Daneshmand
Duke University
Invited Discussant: Matthias Loeb

Late-Breaking Clinical Trial

LB4. Differences in Outcomes in Females Undergoing Transcatheter Aortic Valve Replacement Compared to Surgical Aortic Valve Replacement in the PARTNER Trial
Mathew R. Williams
Columbia University

5:15 p.m. EXECUTIVE SESSION (AATS Members Only)
Auditorium, Minneapolis Convention Center

Tuesday Afternoon, May 7, 2013

Simultaneous Scientific Sessions

2:00 p.m.
Congenital Heart Disease Simultaneous Scientific Session
101 B, Minneapolis Convention Center
(8 minute presentation, 12 minute discussion)
Moderators: V. Mohan Reddy
Carl L. Backer

48. Neurodevelopmental Outcomes in Preschool Survivors of the Fontan Procedure
J. William Gaynor
Children's Hospital of Philadelphia
Invited Discussant: Frank A. Pigula

49. Left Thoracoscopic Sympathectomy for Cardiac Denervation in Children with Life-threatening Ventricular Arrhythmias
Sophie C. Hofferberth
Boston Children's Hospital
Invited Discussant: Joseph A. Dearani
50. Cardiac Progenitor Cells in Patients with Hypoplastic Left Heart Syndrome  
Sano, Shunji  
Okayama University, Okayama, Japan  
Invited Discussant: Richard D. Weisel

3:00 p.m. BREAK – VISIT EXHIBITS  
Exhibit Hall, Minneapolis Convention Center

3:45 p.m. CONGENITAL HEART DISEASE SIMULTANEOUS SCIENTIFIC SESSION  
Moderators: V. Mohan Reddy  
Carl L. Backer

51. Outcomes of Slide Tracheoplasty for Long Segment Congenital Tracheal Stenosis: A 17-Year Experience  
Colin Butler  
Great Ormond Street Hospital, London, United Kingdom  
Invited Discussant: Carl L. Backer

52. Valve-Sparing Aortic Root Replacement and Remodeling with Complex Aortic Valve Reconstruction in Children and Young Adults with Moderate or Severe Aortic Regurgitation  
Patrick O. Myers  
Boston Children’s Hospital & Harvard Medical School  
Invited Discussant: Duke E. Cameron

53. Perioperative Mechanical Circulatory Support in Children Undergoing Heart Surgery: An Analysis of the Society of Thoracic Surgeons (STS) Congenital Heart Surgery Database  
Christopher E. Mascio  
University of Louisville  
Invited Discussant: Jennifer C. Hirsch

Late-Breaking Clinical Trial

LB5. TOF Correction in Low Z-Scores: Expanding the Use of the Valve-Sparing Approach  
Sabrina Anne Gutierrez Gonzalez  
University of the Philippines, Quezon City, Philippines

5:15 p.m. EXECUTIVE SESSION (AATS Members Only)  
Auditorium, Minneapolis Convention Center
SIMULTANEOUS SCIENTIFIC SESSIONS

2:00 p.m.  GENERAL THORACIC SURGERY SIMULTANEOUS SCIENTIFIC SESSION
101 E, Minneapolis Convention Center
(8 minute presentation, 12 minute discussion)

Moderators:  Raphael Bueno
Joshua R. Sonett

54. Induction Chemoradiotherapy Followed by Surgical Resection for Locally Advanced Thymoma and Thymic Carcinoma: Initial Results of a Phase II, Multi-institutional Clinical Trial
Robert J. Korst
The Daniel and Gloria Blumenthal Cancer Center, Valley Health System

Invited Discussant: Frank C. Detterbeck

55. Has PET/CT Decreased the Rate of Lung Resection for Benign Solitary Pulmonary Nodules?
Mario D. Teran
Johns Hopkins University

Invited Discussant: Traves D. Crabtree

56. Marginal Pulmonary Function Should Not Preclude Lobectomy for Patients with Non-Small Cell Lung Cancer
Matthew D. Taylor
University of Virginia

Invited Discussant: Yolonda L. Colson

3:00 p.m.  BREAK – VISIT EXHIBITS
Exhibit Hall, Minneapolis Convention Center

3:45 p.m.  GENERAL THORACIC SURGERY SIMULTANEOUS SCIENTIFIC SESSION

Moderators:  Raphael Bueno
Joshua R. Sonett

57. Aggressive and Minimally Invasive Surgery Is Justified for Pulmonary Metastasis of Sarcoma
Joseph A. Reza
University of California, San Francisco

Invited Discussant: Kenneth A. Kesler
58. The Incidence of Lymph Node Metastases and Factors Affecting Long-Term Survival After Pulmonary Metastasectomy for Colorectal Cancer
Servet Bölükbas
Dr. Horst Schmidt Klinik, Wiesbaden, Germany
Invited Discussant: Gaetano Rocco

59. Years Experience with Extra Corporeal Life Support for Adult Respiratory Failure: Evolution of Indications, Techniques and Outcomes
Marcelo Cypel
University of Toronto
Invited Discussant: Dirk E. Van Raemdonck

Late-Breaking Clinical Trial

LB6. Long-Term Surgical Outcomes of 1018 Patients with Early Stage NSCLC in ACOSOG Z0030 Trial
Stacey Su
Fox Chase Cancer Center

5:15 p.m. EXECUTIVE SESSION (AATS Members Only)
Auditorium, Minneapolis Convention Center

Tuesday Afternoon, May 7, 2013

Simultaneous Scientific Sessions

2:00 p.m.
Aortic/Endovascular Surgery
Simultaneous Scientific Session
Auditorium Room 1, Minneapolis Convention Center
(8 minute presentation, 12 minute discussion)
Moderators: Marc R. Moon
Leonard N. Girardi

60. Early and One-Year Outcomes of Aortic Root Surgery in Marfan Syndrome Patients: A Prospective Multi-Center Comparative Study
Joseph S. Coselli
Baylor College of Medicine and Texas Heart Institute at St. Luke’s Episcopal Hospital
Invited Discussant: Robert D. Stewart
61. Management of Moderately Dilated Ascending Aorta during Aortic Valve Replacement: Valve Replacement Alone versus Aorta Wrapping Versus Aorta Replacement
Joon Bum Kim
University of Ulsan College of Medicine, Asan Medical Center, Seoul, Republic of Korea
Invited Discussant: Thoralf M. Sundt, III

62. The Impact of Unilateral Versus Bilateral Antegrade Cerebral Perfusion on Surgical Outcomes Following Aortic Arch Replacement: A Propensity Matched Analysis
Andreas Zierer
Johann-Wolfgang-Goethe University Frankfurt/Main, Frankfurt Main, Germany
Invited Discussant: Ehud Raanani

3:00 p.m. BREAK – VISIT EXHIBITS
Exhibit Hall, Minneapolis Convention Center

3:45 p.m. AORTIC/ENDOVASCULAR SURGERY SIMULTANEOUS SCIENTIFIC SESSION
Moderators: Marc R. Moon
Leonard N. Girardi

63. Antegrade Thoracic Stent Grafting During Repair of Acute Debakey I Dissection Promotes Distal Aortic Remodeling and Reduces Late Open Reoperation Rate
Prashanth Vallabhajosyula
Hospital of the University of Pennsylvania
Invited Discussant: G. Chad Hughes

64. Midterm Results of Emergency Endovascular Stent-Grafting in Acute Complicated Type B Dissection: A Multicenter Analysis
Dominik Wiedemann
Vienna Medical University, Vienna, Austria
Invited Discussant: Thomas G. Gleason

65. Pre-Operative Percutaneous Coronary Intervention in Patients Undergoing Open Thoracoabdominal and Descending Thoracic Aneurysm Repair
Leonard N. Girardi
Weill Cornell Medical College
Invited Discussant: Anthony L. Estrera

5:15 p.m. EXECUTIVE SESSION (AATS Members Only)
Auditorium, Minneapolis Convention Center
Wednesday Morning, May 8, 2013

7:00 a.m.
Emerging Technologies and Techniques Forum
Auditorium, Minneapolis Convention Center
(6 minute presentation, 5 minute discussion)
Moderators: Mathew R. Williams
Vivek Rao

T1. Repair of Mitral Valve Prolapse with a Novel Leaflet Plication Clip in an Animal Model
Eric N. Feins
Boston Children’s Hospital, Harvard Medical School

T2. Correction of Mitral Valve Regurgitation by Off-Pump, Trans-Apical Placement of Artificial Chordae Tendinae: Results of the European TACT Trial
Giovanni Speziali
University of Pittsburgh

T3. One Year Follow-Up After Transumbilical Thoracic Sympathectomy for Hyperhidrosis: Outcomes and Consequences
Weisheng Chen
Fuzhou General Hospital, Fuzhou, China

T4. Thoracic Aortic Endografting Facilitates the Resection Of Tumors Infiltrating the Aorta
Stéphane Collaud
Toronto General Hospital, Toronto, ON, Canada

T5. A New Zero Ischemia Coronary Anastomotic Connector
David Stecher
UMC Utrecht, Utrecht, Netherlands

T6. Final Results of the Minimally Invasive Coronary Artery Bypass Angiographic Graft Patency Study
Marc Ruel
University of Ottawa, Ottawa, ON, Canada

T7. Mid-Term Results and Complications of Per-Ventricular and Surgical Closure of Doubly Committed Subarterial Ventricular Septal Defects: A Retrospective Comparative Study
Qi An
West China hospital of S.C.U, Chengdu, China
T8. Hemodynamic Outcomes of Geometric Ring Annuloplasty for Aortic Valve Repair: Results of a Pilot Trial  
Domenico Mazzitelli  
German Heart Center Munich, Munich, Germany

Sam Asgari  
Artificial Heart Laboratory, Yale School of Medicine, New Haven, CT, USA

T10. Transapical Cardioscopic Surgery  
Theo Kofidis  
National University Health System, Singapore, Singapore

Wed, May 8, 2013

CONTROVERSIES SESSIONS

9:00 a.m.  
CONTROVERSIES IN CARDIOTHORACIC SURGERY  
PLENARY SESSION  
Auditorium, Minneapolis Convention Center

9:00 a.m. – 10:00 a.m.  
Topic: The Best Care for Critical Care Patients Is a Closed Unit Run by Intensivists  
Moderator: Nevin Katz  
Pro: TBD  
Con: John Puskas

ADULT CARDIAC CONTROVERSIES  
Auditorium, Minneapolis Convention Center

10:00 a.m. – 11:00 a.m.  
Topic: Antegrade Thoracic Stent Grafting During Repair of Acute DeBakey I Dissection Promotes Distal Aortic Remodeling and Reduces Late Open Reoperation Rate  
Moderator: Joseph S. Coselli  
Pro: Roberto Di Bartolomeo  
Con: Steven Lansman
CONGENITAL CONTROVERSIES
101 B, Minneapolis Convention Center
10:00 a.m. – 11:00 a.m.
Topic: The Hybrid Procedure Should Only be Used for High Risk Patients
Moderator: James Tweddell
Pro: Charles B. Huddleston
Con: John P. Cheatham

GENERAL THORACIC CONTROVERSIES
101 E, Minneapolis Convention Center
10:00 a.m. – 11:00 a.m.
Topic: Thoracic Surgeons Should Follow Their Patients Forever
Moderator: David J. Sugarbaker
Pro: Scott Swanson
Con: Malcolm M. DeCamp, Jr.

TCT @ AATS: NEW TECHNOLOGIES FOR A NEW FUTURE
Auditorium Room 1, Minneapolis Convention Center
11:00 a.m. – 2:30 p.m.
Chairs: A. Marc Gillinov
Cleveland Clinic
Mathew R. Williams
Columbia University

Most contemporary surgical techniques and catheter-based approaches.

Emerging Treatments and Best Practices with CAD

11:00 a.m. Hybrid Revascularization: Why, When, and How
Joseph J. DeRose

11:10 a.m. Robotic Revascularization: Gimmick or True Benefit?
Jeffrey D. Lee

11:20 a.m. FREEDOM, SYNTAX, now EXCEL . . . When Will It End?
Joseph F. Sabik

11:30 a.m. Whatever Happened to OPCAB?
John D. Puskas
11:40 a.m.  The Most Exciting New Technologies (Excluding Valves) in the Cath Lab and Their Impact on the Future  
Saibal Kar

11:50 a.m.  Q&A

Treatment of Aortic Valve Disease

11:55 a.m.  Almost 4 Years After PARTNER . . . What are Our Most Valuable Lessons?  
Susheel Kodali

12:05 p.m.  It’s About the Patient . . . Not the Access Route!  
Hendrik Treede

12:15 p.m.  Commercialization of TAVR in the US . . . What Is the Strategy?  
Kristen Skelton

12:25 p.m.  They Are Paying Us What? Can TAVR Ever Be Financially Viable?  
Wilson Y. Szeto

12:35 p.m.  You’re Still Using That? Look What I am Doing. TAVR in Europe  
Hendrik Treede

12:45 p.m.  Minimally Invasive AVR Is Still a Great Option  
Lars G. Svensson

12:55 p.m.  Q&A

Treatment of Mitral Valve Disease

1:00 p.m.  A Robotic Revolution?  
A. Marc Gillinov

1:10 p.m.  MitraClip: Why Isn’t It Taking Off?  
Saibal Kar

1:20 p.m.  Ischemic MR: What Do We Have and What Do We Need?  
Michael A. Acker

1:30 p.m.  The Future of Transcatheter Mitral Disease Will Be in Replacement, Not Repair  
Jose Navia

1:40 p.m.  Q&A
How I Would Treat that Patient: Presentation of Interesting Cases to a Multidisciplinary Panel

Case Presenter: Isaac George

Multidisciplinary Panel: Mathew Williams, A. Marc Gillinov, Salibal Kar, Susheel Kodali, Jeffrey D. Lee, Jose Navia, Joseph F. Sabik, Wilson Y. Szeto, Hendrick Treede

1:45 p.m. Case 1: Aortic Valve Disease – Percutaneous or Surgical Treatment?

1:55 p.m. Case 2: Mitral Valve Disease – Percutaneous or Surgical Treatment?

2:05 p.m. Case 3: Coronary Artery Disease – Percutaneous or Surgical Treatment?

2:30 p.m. 93rd ANNUAL MEETING ADJOURNS
The AATS Learning Center features cutting edge Case Videos of novel procedures and surgical techniques, as well as highlights of the 2013 Mitral Conclave and the 2012 Aortic Symposium, updates on SYNTAX and FREEDOM Trials, Robotics in Cardiac Surgery and a Perioperative station.

Learning Center Program Guides including abstracts of all presentations will be available for distribution while viewing the videos.

LC1 – AORTIC/AORTIC VALVE THERAPIES
1) Apicoaortic Valved Conduit Implantation In Elderly Patients With Aortic Stenosis And Small Annulus
Giuseppe Filiberto Serraino, Federica Jiritano, Michele Rossi, Lucia Cristodoro, Attilio Renzulli
UMG of Catanzaro, Catanzaro, Italy
2) Aortic Valve Repair and Remodeling Root Replacement for Aortic Root Aneurysm
J. Scott Rankin
Vanderbilt University
3) Novel Hybrid Technique for Chronic Distal Dissection with Aneurysmal Degeneration
Jahanaib Idrees, Eric E. Roselli
Cleveland Clinic Foundation

LC2 – TRANSCATHETER TECHNIQUES
1) A Novel Partial Circulatory Support Device: A Video Case Presentation
Renzo Cecere¹, Robert Dowling², Nadia Giannetti¹
¹Royal Victoria Hospital, Montreal, QC, Canada; ²2DCI, Inc., Louisville, KY
2) A Successful Case of Trans-Apical Mitral Valve Implantation in a Human: Opening the Path to Twin Valve Implantation
Espeed Khoshbin¹, Vaikom Mahadevan², Bernard Clarke³, Ragheb Hasan¹
¹Manchester Royal Infirmary, Manchester, United Kingdom; ²Manchester Royal Infirmary, Manchester, United Kingdom
3) **What Can We Expect from Trans-Catheter Heart Valve Replacement? Complications and Non-Conventional Cases**
Augusto D’Onofrio¹, Michele Gallo¹, Roberto Bianco¹, Giuseppe Tarantini², Massimo Napodano², Andrea Colli¹, Giambattista Isabella², Sabino Iliceto², Gino Gerosa¹
¹University of Padova, Padova, Italy; ²University of Padova, Padova, Italy

**LC3 – ESOPHAGUS**

1) **Robotic Belsey Fundoplication: Case Report and Techniques**
David B. Graham
*University of Texas Southwestern*

2) **Modified 3-Hole Minimally Invasive Esophagectomy**
Raphael Bueno, Jon O. Wee, Abraham Lebenthal
*Brigham and Women’s Hospital*

3) **Minimally Invasive Ivor Lewis Esophagectomy**
Armin Kiankhooy, Matthew Taylor, David R. Jones
*University of Virginia*

4) **Thoracoscopic Resection of a Giant Esophageal Leiomyoma**
Todd L. Demmy, Mark Hennon
*Roswell Park Cancer Institute*

**LC4 – LUNG, CHEST WALL, AND MEDIASTINUM**

1) **The Technique of Embryonic Natural Orifice Transumbilical Endoscopic Thoracic Sympathectomy**
Weisheng Chen, Li-Huan Zhu, Jixue Zhang, Long Chen, Shengsheng Yang
*Fuzhou General Hospital, Fuzhou, China*

2) **Management of Flail Chest with Rib Plating “A Novel Surgical Approach to the Treatment of Flail Chest”**
Marcelo C. DaSilva¹, Masatsugu Hamaji², Michael T. Jaklitsch¹
¹Brigham and Women’s Hospital – Harvard Medical School, Boston, MA; ²Kyoto University hospital, Kyoto, Japan

3) **Single-incision Video-Assisted Thoracoscopic Lobectomy**
Hyun Koo Kim, Ho Kyung Sung, Young Ho Choi
*College of Medicine, Korea University Guro Hospital, Seoul, Republic of Korea*
4) Video Assisted Basilar Segmentectomy for Failed Stereotactic Body Radiation Therapy (Thyroid Metastasis)
   M. Blair Marshall
   Georgetown University Hospital

LC5 – TRIALS – SYNTAX AND FREEDOM

1) SYNTAX Trial
   A. Pieter Kappetein
   Erasmus, Rotterdam, Netherlands

2) FREEDOM Trial
   Hartzell V. Schaff
   Mayo Clinic

LC6 – BEST OF AORTIC SYMPOSIUM 2012

1) Hypothermia in Aortic Surgery
   Randall B. Griepp
   Mount Sinai Medial Center

2) Selective Cerebral Perfusion
   David Spielvogel
   Westchester Medical Center

3) The History of Aortic Surgery
   Joseph S. Coselli
   Baylor College of Medicine

4) Aortic Trauma
   Anthony L. Estrera
   University of Texas at Houston Medical School

LC7 – BEST OF MITRAL CONCLAVE 2013

LC8 – CONGENITAL

1) Sutureless Coronary Unroofing for Anomalous Origin Of The RCA
   Gabriel Loor, Robert Stewart, Gosta Pettersson
   Cleveland Clinic

2) Complex Pulmonary Atresia/VSD with Nonconfluent Pulmonary Arteries in an Adult : Single Stage Complete Repair
   Vijayaykumar Raju, Burkhart Harold
   Mayo Clinic
3) **Type B Interrupted Right-Sided Aortic Arch**  
Mark E. Roeser, James Gangemi  
*University of Virginia*

4) **Selective Cerebro-Myocardial Perfusion in Hypoplastic Aortic Arch Repair**  
Massimo Caputo, William Lansdowne, Daniel Bone, Laura Durham, Lee Jones, Andrew Wolf  
*Bristol Heart Institute, Bristol, United Kingdom*

**LC9 – ROBOTICS IN CARDIAC SURGERY**

1) **Totally Endoscopic Operation for Severe Left Ventricular Outflow Tract Obstruction Due to Abnormal Papillary Muscles**  
Alison F. Ward, Didier Loulmet, Patricia Ursomanno, Eugene A. Grossi  
*NYU School of Medicine*

2) **Robotic Assisted Closure of Atrial Septal Defect**  
Desmond M. D’Souza, Marc Gillinov, Tomislav Mihaljevic  
*Cleveland Clinic*

3) **Case Video: Robotic Assisted Closure of Atrial Septal Defect**  
Marc Gillinov, Desmond D’Souza, Tomislav Mihaljevic  
*Cleveland Clinic*

4) **How I Do It**  
Rakesh M. Suri  
*Mayo Clinic, Rochester, MN, USA*

5) **How I Do It**  
W. Randolph Chitwood, Jr.  
*East Carolina University Brody School of Medicine*

**LC10 – PERIOPERATIVE CARE**

1) **Process Improvement**  
Joseph F. Sabik, III  
*Cleveland Clinic*

2) **Protocols and Outcomes for Blood Conservation**  
Mark H. Ereth  
*Mayo Clinic*

3) **Biventricular Pacing**  
Henry M. Spotnitz  
*New York Presbyterian*
4) Economic Comparison of Hemostatic Agents in Cardiac Surgery
Scott Tackett¹, Rebecca Sugarman², Josephine Li-Mcleod¹, Huub Kreuwel¹, Piedad Alvarez², Giuseppe Nasso³
¹Baxter Healthcare Corporation, Westlake Village, CA, USA; ²United Biosource Corporation, Lexington, MA, USA; ³GVM Care & Research, Bari, Italy

AATS Resident Poster Competition

Sponsored by the AATS Graham Research Foundation

Located in the Exhibit Hall, at the end of Aisles 1000 and 1200

Competition: Sunday, May 5th, 5:00 – 7:00 pm
Viewing Continues through Tuesday, May 7th

Take time to visit the Poster Competition presented by senior cardiothoracic surgery residents and congenital heart surgery fellows as they represent their institution in a scientific poster competition. All participating residents receive a travel stipend, as well as complimentary registration. 1st, 2nd and 3rd place winners in each subspecialty (cardiac, congenital, general thoracic) will be identified at 9:05 a.m. on Monday, May 6th during the award presentations.

CARDIAC POSTERS

P1 Short-term Outcomes for Endovascular vs. Open Repair of Thoracic Aortic Aneurysms Are Equivalent Through NSQIP
Resident: Alexander (Sasha) Kraev
Program Director: David D. Yuh
Yale University School of Medicine

P2 Obesity is Associated with Increased Rates of Revascularization in Coronary Artery Bypass Grafting Patients: A Large Cohort Study
Resident: Billie-Jean Martin
Program Director: Bill Kidd
Foothills Hospital

P3 Human Metabolically Active Brown Adipose Derived Stem Cells
Resident: Brandon Hill
Program Director: David Bull
University of Utah
P4  The Impact of Blood Conservation on Outcomes in Adult Cardiac Surgery  
   **Resident:** Christopher Lau  
   **Program Director:** Karl Krieger  
   New York Presbyterian Weil Cornell

P5  Contemporary Use of Balloon Aortic Valvuloplasty in the Era of Transcatheter Aortic Valve Implantation  
   **Resident:** Dawn Hui  
   **Program Director:** Craig Baker  
   University of Southern California

P6  A Contemporary Approach to Re-Operative Aortic Valve Surgery: When is less, more  
   **Resident:** Deane Smith  
   **Program Director:** Aubrey Galloway  
   NYU Medical Center

P7  Complete Versus Incomplete Revascularization in Patients Undergoing Aortic Valve Replacement with Coronary Artery Disease  
   **Resident:** Eric Griffiths  
   **Program Director:** Irving L. Kron  
   University of Virginia

P8  Aortic Valve Replacement with Coronary Artery Disease  
   **Resident:** Gabriel Loor  
   **Program Director:** Edward Soltesz  
   Cleveland Clinic

P9  Outcomes of Thoracic Endograft Explanation and Open Repair of the Aorta: 7 Year Experience  
   **Resident:** Gustavo Guajardo-Salinas  
   **Program Director:** Ara A. Vaporciyan  
   University of Texas MD Anderson Cancer Center

P10  Assessment of Subclinical Carcinoid Heart Disease: Implications of Ventricular Long Axis Mechanics in Surgical Referral  
   **Resident:** Javier G. Castillo  
   **Program Director:** David H. Adams  
   Mount Sinai Hospital

P11  Aneurysms of the Ascending Aorta: Does Size Matter? An Argument for Biomechanics  
   **Resident:** Jennifer Chung  
   **Program Director:** Kevin Lachapelle  
   McGill University Health Centre
P12 Long-Term Outcomes in Thoracic Aortic Surgery: A Population-Based Study  
*Resident:* Jennifer Higgins  
*Program Director:* Andrew Campbell  
*University of British Columbia*

P13 Design and Implementation of Focused Ultrasound Curriculum in a Cardiothoracic Surgery Residency  
*Resident:* Jennifer Worth  
*Program Director:* Robert S.D. Higgins  
*Ohio State University*

P14 Operative Risk of Repeat Tricuspid Valve Replacement for Failed Tricuspid Valve Prostheses  
*Resident:* Juan Penaranda Canal  
*Program Director:* Harold Burkhart  
*Mayo Clinic*

P15 Frozen Elephant Trunk Deployment Cuff  
*Resident:* Junewai Reoma  
*Program Director:* Philip Hess  
*University of Florida*

P16 HMG-CoA Reductase Inhibitors Do Not Attenuate The Inflammatory Response Associated with Glutaraldehyde-Fixed Bioprosthetic Heart Valve Conduits  
*Resident:* Kanwal Kumar  
*Program Director:* John Lee  
*University of Manitoba*

P17 Treatment Strategies for Ischemic Mitral Regurgitation: A 20-year Experience  
*Resident:* Mani Daneshmand  
*Program Director:* Thomas A. D'Amico  
*Duke University*

P18 Evolution of ECMO at University of Maryland: From Last Choice to a Therapeutic Option  
*Resident:* Marc Gibber  
*Program Director:* Bartley P. Griffith  
*University of Maryland*

P19 Transplant in the Mechanical Circulatory Support Era: the Need for a Heart Allocation Score  
*Resident:* Justin Schaffer  
*Program Director:* Michael Fischbein  
*Stanford Hospital and Clinics*
<table>
<thead>
<tr>
<th>Session</th>
<th>Title</th>
<th>Resident</th>
<th>Program Director</th>
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<tr>
<td>P20</td>
<td>Complications of Cerebrospinal Fluid Drainage for Thoracic Aortic Surgery: A Review of 504 Patients Over 5 Years</td>
<td>Raed Al-Najjar</td>
<td>Joseph S. Coselli, Baylor College of Medicine</td>
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<td>P21</td>
<td>Cormatrix Fashioned Tricuspid Valve as Alternative to Valve Resection for Acute Infective Endocarditis</td>
<td>Seemal Mumtaz</td>
<td>Patricia A. Thistlethwaite, University of California, San Diego</td>
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<td>P22</td>
<td>The “No-Dissection” Technique Is Safe for Reoperative Aortic Valve Replacement with a Patent Left Internal Thoracic Artery Graft</td>
<td>Tsuyoshi Kaneko</td>
<td>R. Morton Bolman, III, Brigham and Women’s Hospital</td>
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<td>P23</td>
<td>Transaortic Edge-to-Edge Mitral Valve Repair as an Adjunct to Myectomy in Patients with Hypertrophic Cardiomyopathy</td>
<td>William Kent</td>
<td>Patrick M. McCarthy, Northwestern University</td>
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<td>P24</td>
<td>Outcomes of Extracorporeal Membrane Oxygenation Assisted Cardiopulmonary Resuscitation (ECPR) for Adult Acute Refractory Cardiogenic Shock and Cardiac Arrest</td>
<td>Matt Thomas</td>
<td>George J. Magovern, Allegheny General Hospital</td>
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<td>P25</td>
<td>ABO Blood Groups and Heart Transplantation</td>
<td>Michael Bradner</td>
<td>Herbert Ward, University of Minnesota</td>
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P26 ECMO as an Effective Rescue Therapy in Cardiac Arrest; Results from a Modern Series
Resident: Ronson Madathil
Program Director: Colin Schieman
University of California, Los Angeles

P27 Myocardial Protection with Custodiol Cardioplegia
Adult Cardiac Surgery
Resident: Brian Madigan
Program Director: Sreekumar Subramanian
Institution: University of Arizona

P28 Patent Foramen Ovale: A Risk Factor for Bacterial Endocarditis
Resident: Chris Sciortino
Program Director: Duke E. Cameron
John Hopkins University

CONGENITAL
P29 Contemporary Outcomes After Repair of Atrioventricular Septal Defect
Resident: Andrea Cooley
Program Director: Michael E. Jessen
UT Southwestern Medical Center

P30 Incidence of Anomalous Coronary Arteries in Pulmonary Atresia with Major Aortopulmonary Collaterals
Resident: Ashok Muralidaran
Program Director: Richard Mainwaring
Stanford University

P31 A Paradigm Shift in the Management of Single-Ventricle Physiology TAPVC
Resident: Cosmin Dobrescu
Program Director: Brian Reemtsen
University of California, Los Angeles

P32 Consistent Valve-Sparing Repair of TOF: A 3-Year Experience
Resident: Danielle Gottlieb
Program Director: Michael Argenziano
Columbia University
P33 Long-Term Outcome of Aortic Implantation for Patients with Anomalous Origin of the Left Coronary Artery from the Pulmonary Artery

*Resident:* Michael Monge
*Program Director:* Carl L. Backer
*Ann and Robert H. Lurie Children's Hospital of Chicago*

P34 A Novel and Universally-Applicable Beating-Heart Technique for Norwood Reconstruction

*Resident:* Robert A. Hanfland
*Program Director:* Mark D. Iannetoni
*University of Iowa*

P35 Intraoperative Blood Product Usage in Congenital Heart Surgery After Moving from a Regionalized to an in House Blood Bank

*Resident:* Robroy MacIver
*Program Director:* Lester C. Permut
*University of Washington/Seattle Children's Hospital*

**GENERAL THORACIC**

P36 Novel Pathways of Lung Allograft Rejection

*Resident:* Ankit Bharat
*Program Director:* Marc Moon
*Washington University*

P37 The Efficacy of Re-staging Endobronchial Ultrasound (EBUS) in Patients with Non-Small Cell Lung Cancer After Neoadjuvant Therapy

*Resident:* Basil Nasir
*Program Director:* William L. Holman
*University of Alabama at Birmingham*

P38 Intraoperative Extracorporeal Membrane Oxygenation as an Alternative to Cardiopulmonary Bypass in Adult Lung Transplantation

*Resident:* David Odell
*Program Director:* James Luketich
*University of Pittsburgh*

P39 Acute Surgical Pulmonary Embolectomy: A Nine Year Retrospective Analysis

*Resident:* Elizabeth Marshall
*Program Director:* Frank Manetta
*Hofstra-North Shore LIJ School of Medicine*
P40 Transcervical Endoscopic Esophageal Mobilization for Transhiatal Esophagectomy

Resident: Ghulam Murtaza
Program Director: Mario Gasparri
Medical College of Wisconsin

P41 Does VO2 Max Correlate with Operative Mortality Using the NETT Database

Resident: Ian Makey
Program Director: Kamal R. Khabbaz
Beth Israel Deaconess

P42 Health-Related Quality of Life Assessment in Randomized Clinical Trials Involving Oncologic Thoracic Surgery

Resident: Jane Yanagawa
Program Director: Valerie Rusch
Memorial Sloan-Kettering Cancer Center

P43 Perioperative Risk Factors For in Hospital Death or Retransplantation in Pediatric Heart Transplant Recipients

Resident: Rachel Vanderlaan
Program Director: Gideon Cohen
University of Toronto

P44 Lung Perfusion During LVAD Placement

Resident: Peter Baik
Program Director: Tomas Salerno
Jackson Memorial Hospital

P45 Esophageal Surgery in a Small Volume Residency Program

Resident: Russell L McElveen
Program Director: Giorgio M. Aru
University of Mississippi

P46 Intrapleural Fibrinolytic Therapy in Loculated Pleural Effusions – An Analysis of Predictors of Failure and Bleeding: a Cohort Study

Resident: S. Abu Daff
Program Director: Donna E. Maziak
Ottawa Hospital

P47 Is VATS Lobectomy for Lung Cancer Oncologically Equivalent to Open Lobectomy

Resident: Wael Hanna
Program Director: Andrew Pierre
Toronto General Hospital
Lunches

Saturday, May 4, 2013
Attendees registered for the Adult Cardiac Skills, General Thoracic Skills, Congenital Skills, and Allied Personnel Symposium will be served a boxed lunch in their meeting room.

Those attendees registered for Developing the Academic Surgeon and Working with Industry will not be provided lunch.

Sunday, May 5, 2013
Luncheon Symposium, “The Price of Innovation”
Keynote Speaker: Albert Starr, Oregon Health and Science University
Time: 12:00 – 1:30 p.m.
Location: Ballroom A and B, Minneapolis Convention Center, Level 1

Who should attend? All registered for the Sunday Symposium

Monday, May 6, 2013
Luncheon Symposium, Lifetime Management of Aortic Stenosis: The Changing Landscape
Sponsored by: Medtronic
Time: 12:15 p.m. – 2:00 p.m.
Location: Exhibit Hall Product Theater, off Aisle 400 Minneapolis Convention Center, Level 1

Who should attend? All registered attendees (seats are limited)

Cardiothoracic Residence Luncheon
Time: 12:15 p.m. – 2:00 p.m.
Location: 200C, Minneapolis Convention Center, Level 2

Who should attend? This is a ticketed event, open to all Resident/Fellow and Medical Students who pre-register for it. Please make sure you pre-register as seats are limited.

Ethics Forum Luncheon, “Is a Surgeon Who Does Not Perform VATS Lobectomy Ethically Obligated to Inform Early Stage Lung Cancer Patients of the VATS Option and Offer Referral to a VATS Surgeon?”
Time: 12:15 p.m.- 2:00 p.m.
Location: 200A, Minneapolis Convention Center, Level 2

Who should attend? This is a ticketed event, open to all registered attendees who pre-register for it. Please make sure you pre-register as seats are limited.
Tuesday, May 7, 2013

**Luncheon Symposium: Improving Outcomes After Coronary Bypass Surgery**

**Time:** 12:30 p.m. - 2:00 p.m.

**Location:** Exhibit Hall Product Theater, off Aisle 400

Minneapolis Convention Center, Level 1

**Who should attend?** All registered attendees (seats are limited)

*Lunch will be available for purchase in the Exhibit Hall on Monday, May 6 and Tuesday, May 7. 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.*
AATS—Promoting Scholarship in Thoracic and Cardiovascular Surgery

Founded in 1917, the American Association for Thoracic Surgery (AATS) is an international organization consisting of over 1,300 of the world’s foremost cardiothoracic surgeons representing 41 countries. Surgeons must have a proven record of distinction within the cardiothoracic surgical field and have made meritorious contributions to the extant knowledge base about cardiothoracic disease and its surgical treatment to be considered for membership. The Annual Meeting, research grants and awards, educational symposia and courses, and the AATS official journal, The Journal of Thoracic and Cardiovascular Surgery, all strengthen its commitment to science, education and research.

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 educational activity for a maximum of **35.25 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 **13.5** contact hours of continuing education by the American Academy of Nurse Practitioners. **Program ID 1303118.**

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 **13.5** hours of AAPA Category I CME credit by the Physician Assistant Review Panel. 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 37.8 Category 1 CEUs.

Saturday, May 4, 2013 – up to 6.25 hours (CME, AANP, AAPA, ABCP)
- Adult Cardiac Skills, up to 6 hours
- Congenital Skills, up to 6.25 hours
- General Thoracic Skills, up to 6.25 hours
- Allied Health Personnel, up to 6.25 hours
- Developing the Academic Surgeon, up to 3.5 hours
- Working with Industry, Not Accredited

Sunday, May 5, 2013 – up to 7.25 hours (CME, AANP, AAPA, ABCP)
- Adult Cardiac Surgery, up to 7.25 hours
- Cardiothoracic Critical Care, up to 6.5 hours
- Congenital Heart Disease, up to 6.25 hours
- General Thoracic Surgery, up to 6.5 hours
- C. Walton Lillehei Resident Forum, up to 2 hours

Monday, May 6, 2013 – up to 7.25 hours (CME, ABCP)
- Plenary Scientific Session, Basic Science Lecture, Presidential Address, up to 3.75 hours
- Ethics Luncheon Forum, up to 1 hour (CME only)
- Adult Cardiac Surgery Simultaneous Session, up to 2.5 hours
- Congenital Heart Disease Simultaneous Session, up to 2.5 hours
- General Thoracic Surgery Simultaneous Session, up to 2.5 hours
- Perioperative Care Simultaneous Session, up to 2.5 hours

Tuesday, May 7, 2013 – up to 7.5 hours (CME, ABCP)
- Adult Cardiac Surgery Forum, up to 2 hours
- General Thoracic Surgery Forum, up to 2 hours
- Plenary Scientific Session, up to 2.5 hours
- Honored Speaker Lecture, up to .75 hours
- Adult Cardiac Surgery Simultaneous Session, up to 2.25 hours
- Congenital Heart Disease Simultaneous Session, up to 2.25 hours
- General Thoracic Surgery Simultaneous Session, up to 2.25 hours
- Aortic Endovascular Simultaneous Session, up to 2.25 hours
Wednesday, May 8, 2013 – up to 7 hours (CME, ABCP)

- Emerging Technologies and Techniques Forum, up to 2 hours
- Controversies in Cardiothoracic Surgery, up to 1 hour
- Adult Cardiac Debates, up to 1 hour
- Congenital Debates, up to 1 hour
- General Thoracic Debates, up to 1 hour
- TCT AATS: New Technologies for a New Future, up to 3 hours

For further information on the Accreditation Council for Continuing Medical Education (ACCME) standards of commercial support, please visit www.accme.org.

CME/CE Kiosks/Letter of Attendance

Attendees may obtain CME (Continuing Medical Education) and CE credits and Letter of Attendance at the CME/CE Pavilion located in the lobby on Level 1 of the Convention Center across from Registration. The CME/CE Pavilion computers will allow attendees to manage their CME/CE credits and Letter of Attendance for the Annual Meeting and/or email their information to their personal email address. At the end of the Annual Meeting, attendees may print their CME/CE certificate and/or Letter of Attendance. Following the Annual Meeting, attendees may access their CME/CE information and/or Letter of Attendance at http://ceu.experient-inc.com/aat131

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, General Thoracic Surgery and Congenital Heart Disease.
❑ Analyze the pros and cons of each paper presented 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
The AATS Annual Meeting is specifically designed to meet the educational needs of:

❑ Cardiothoracic Surgeons

❑ Physicians in related specialties including Cardiothoracic Anesthesia, Critical Care, Cardiology, Pulmonology, Radiology, Gastroenterology, Thoracic Oncology and Vascular Surgery

❑ Critical Care Teams including Anesthesiologists, Critical Care Nurses, Hospitalists, and Interventionalists

❑ Fellows and Residents in Cardiothoracic and General Surgical training programs

❑ 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 that any individual who is involved in planning, presenting or is an author on a program designated for AMA Physician's Recognition Award Category 1 Credit™ must disclose any financial interest or other relationship (grant, research support, consultant, etc.) that individual has with any manufacturer(s) of any commercial product(s) that may be discussed in the individual's presentation. This information is disclosed to the audience prior to an activity. The AATS has procedures in place if a conflict of interest should arise. In addition, faculty members are asked to disclose when any discussion of unapproved use of pharmaceutical or medical device occurs. Disclosures may be found on the AATS website, in the abstract book, and in the title slides.

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:

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**ICU of the Future**
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AATS Welcome Center
Visit the AATS Welcome Center, located in the lobby area next to registration at the Minneapolis Convention Center. The Welcome Center is your one-stop resource for questions regarding the AATS, Annual Meeting information and the city of Minneapolis. AATS staff and members of the Convention and Visitors Bureau of Minneapolis 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 Minneapolis and the AATS Meeting. You can also pick up a copy of the “AATS’ Top 10s for Minneapolis”, a listing of 10 great restaurants, 10 hidden gems, 10 events taking place during your stay, and 10 popular attractions. 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 Convention Center on Level 1. Registration will be open during the following hours:

- Friday, May 3 1:00 p.m. – 5:00 p.m.
- Saturday, May 4 6:30 a.m. – 5:00 p.m.
- Sunday, May 5 6:30 a.m. – 6:00 p.m.
- Monday, May 6 6:30 a.m. – 5:00 p.m.
- Tuesday, May 7 6:30 a.m. – 5:00 p.m.
- Wednesday, May 8 6:30 a.m. – 12:00 p.m.

a.) Badges must be worn at all times and will be required for admission to Sessions, Exhibit Hall and social events.

b.) To avoid lines in the registration area, we strongly suggest that attendees register on Friday, May 3 and Saturday, May 4.

c.) House Officers, Fellows, Residents and Medical Students will be admitted without payment of the non-member registration fee if they pre-registered. If not pre-registered, registration fees will be assessed. Proof of Fellowship is required.

Speaker Ready Room
The Speaker Ready Room is located in room 102A of the Convention Center. 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, May 3**: 1:00 p.m. – 6:00 p.m.
- **Saturday, May 4**: 6:30 a.m. – 6:00 p.m.
- **Sunday, May 5**: 6:30 a.m. – 6:00 p.m.
- **Monday, May 6**: 6:30 a.m. – 6:00 p.m.
- **Tuesday, May 7**: 6:00 a.m. – 6:00 p.m.
- **Wednesday, May 8**: 6:00 a.m. – 12:00 p.m.

**2013 Mobile App**

The 2013 AATS Annual Meeting Mobile App provides attendees with the full meeting experience in the palm of their hands. Currently available through iTunes, Android and a Mobile Website, 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 provide a truly interactive experience for attendees. Along with an interactive exhibit floor and in-app messaging*, the audience response and live polling features 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.

**Webcast**

Be sure to view the 2013 AATS webcast which will include all Scientific sessions, Presidential Address, Honored Guest Lecturer, Basic Science Lecture, Sunday Luncheon Speaker. Visit: [http://webcast.aats.org/2013/](http://webcast.aats.org/2013/)

**Special Accessibility Needs**

If you require special accommodations to fully participate in the meeting, please visit the Registration Area at the Minneapolis Convention Center 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 Center, Hotels or Special Event Venues.
Coat and Luggage Check

A complimentary coat and luggage check will be located on Level 1 of the Convention Center (Auditorium Room 3). Service will be provided during the following dates and times:

- Sunday, May 5  6:30 a.m. – 7:00 p.m.
- Monday, May 6  6:30 a.m. – 6:15 p.m.
- Tuesday, May 7  6:30 a.m. – 5:00 p.m.
- Wednesday, May 8  6:30 a.m. – 12:30 p.m.

Transportation

For the Tuesday evening Attendee Reception, transportation will be provided from the Hilton and Hyatt Hotels to Target Field. Shuttles will begin at 6:45 p.m. and will run continuously until 10:15 p.m.

Business Center

A FedEx Business Center is located in the Level 1 of the Convention Center. Hours of operation are:

- Saturday  8:00 a.m. – 4:00 p.m.
- Sunday  8:00 a.m. – 4:00 p.m.
- Monday  8:00 a.m. – 5:00 p.m.
- Tuesday  8:00 a.m. – 5:00 p.m.
- Wednesday  8:00 a.m. – 5:00 p.m.

Phone # 612.339.0616

Emergencies

For any emergency in the Convention Center **DO NOT CALL 9-1-1** in the case of a medical emergency. It is ALWAYS best to report a medical emergency to the MCC's Guest & Security Services Department. This is done by calling #2013 from any beige House Phone (there is a placard above each of these phones with the number on it). OR you may call #612-335-6040 from your cell phone.

First Aid

A First Aid Station is located on Level 1 of the Convention Center, around the corner from Room 101E.
**Presentation and Discussion Guidelines**

**Speaker and Discussant Guidelines**

**Discussion of Papers:** Members, non-member physicians and invited speakers have the privilege of discussing papers. Discussants are limited to 2 minutes and must limit their discussion to specific questions directly related to the author’s presentation. All discussions will be presented from floor microphones and may not be accompanied by slides.

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*All discussants are limited to 2 minutes

1. Submission and acceptance of an abstract constitutes a commitment by the Author(s) to present the material at the AATS Annual Meeting. The work must not have been submitted, presented or published in abstract or manuscript form elsewhere prior to the AATS 93rd Annual Meeting in May 2013. Failure to meet this requirement without prior approval of the Association will jeopardize a presenter’s further acceptance of abstracts for presentation and/or publication. The AATS Council seriously regards and adheres to the submission/presentation policy and will strictly enforce sanctions upon all authors who fail to meet the policies outlined in the rules for submission and presentation of abstracts once submitted. Any questions should be addressed meetings@aats.org.
2. Papers presented at the meeting in the Plenary and Simultaneous Sessions shall become the property of the Association. They shall be submitted electronically to the JTCVS Editor prior to presentation (http://www.editorialmanager.com/jtcvs) and NO LATER than Monday, May 6, 2013 at 8:00 a.m. CST. To expedite review and publication the Editor requests that submission occur **one month** prior to the Annual Meeting.

3. The AATS encourages Cardiac Surgery Forum, General Thoracic Surgery Forum, Emerging Technologies and Techniques Forum and Lillehei Forum presenters to submit their manuscript to the JTCVS Editor although the requirement for manuscript submission to the JTCVS does not apply to these sessions. If you do not plan to submit, please notify the JTCVS Editor at JTCVS@aats.org. Should you submit, papers must be submitted electronically to the JTCVS Editor prior to presentation (http://www.editorialmanager.com/jtcvs/) and NO LATER than Monday, May 6, 2013 at 8:00 a.m. CST. To expedite review and publication the Editor requests that submission occur **one month** prior to the meeting.
EXHIBITS AND INDUSTRY INFORMATION

The Exhibit Hall will be on Level 1 of the Convention Center. The Exhibit hall will be open during the following hours:

**Sunday, May 5**

5:00 p.m. – 7:00 p.m.  *Welcome Reception*

**Monday, May 6**

9:00 a.m. – 4:30 p.m.  *Breaks:*  9:20 a.m. – 10:00 a.m.

3:00 p.m. – 3:45 p.m.

*Lunch:*  12:15 p.m. – 2:00 p.m.

**Tuesday, May 7**

9:00 a.m. – 4:00 p.m.  *Breaks:*  10:15 a.m. – 10:40 p.m.

3:00 p.m. – 3:45 p.m.

*Lunch:*  12:30 p.m. – 2:00 p.m.

At the 2013 Annual Meeting, AATS will feature three special educational exhibits: Sunday, May 5 – Tuesday, May 7.

**Welcome Reception – Sunday, May 5, 2013**

The Welcome Reception will be held on Sunday, May 5, 2013 from 5:00 p.m. – 7:00 p.m. in the Exhibit Hall of the Convention Center. All registered members, non-members, allied health personnel, spouses and guests are invited to attend. Please note that children will be allowed in the Exhibit Hall during the reception only and must be accompanied by an adult. Children under 16 years of age will not be allowed in the Exhibit Hall at any other time.

**Hybrid Operating Room of the Future**

Since the debut of the Hybrid Operating Room of the Future display in 2010 in Toronto, it has been a highlight of the Annual Meeting. Here, you will get a first-hand look at the benefits of hybrid technologies and the equipment/technologies applicable to the hybrid operating room environment.

**CT ICU of the Future**

The CT ICU display gives you the opportunity to see what the future holds for CT surgical critical care. A new feature of the ICU will be a series of procedure-based technology demonstrations, videos and simulations. In addition, Proctors will be available in the ICU during peak exhibit times to answer questions.

**TAVI Suite – NEW!**

Since the transcatheter aortic valve implantation (TAVI) era is dawning and TAVI is the hot topic of discussion everywhere, we will include a stand alone TAVI Suite to complement the Hybrid OR of the Future and the CT ICU. The TAVI Suite will focus on the equipment used during the procedure and on the valves themselves.
Furthering their reputation as a leader in the thoracic industry, ACUTE Innovations® continues to make advancements in chestwall stabilization technology. Stop by booth 526 to learn about ACUTE’s cutting-edge products: the RibLoc® Rib Fracture Plating system, Biobridge® Resorbable Chest Wall Stabilization Plate, and the AcuTie® Sternal Closure System. www.acuteinnovations.com

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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.

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lofacial surgery. New product developments in our titanium
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42, Rue Benoit Frachon, Bobigny cedex 93000 France

Pfizer Pharmaceuticals .................................................. 413
235 E. 42nd St, 219 7 1, New York, NY 10016

Philips Medical Systems ............................................ 1706
22100 Bothell-Everett Highway, Bothell, WA 98021

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Surge Cardiovascular / MED Alliance Solutions, LLC ....... 1534
3825 Commerce Drive, St. Charles, IL 60174

Surgitel/General Scientific Corp .......................................... 1328
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www.vitalitec.com

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200 East First Street, Winston-Salem, NC 27101

Wexler Surgical ....................................................................... 527
11333 Chimney Rock Road, #110-120, Houston, TX 77035

World Society for Pediatric and Congenital Surgery .......... 439
2300 Tupper St. CB-29, Montreal, QC H3H1P3 Canada
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www.wspchs.org

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## Category Listing

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Industry Supported Symposia*

Saturday, May 4, 2013
Planning for the Future: Optimizing Today’s Heart Valve Clinic
12:00 – 1:00 p.m.
Ballroom A
Minneapolis Convention Center
Sponsored by: Medtronic

Sunday, May 5, 2013
Adhering to Guideline-Directed and Evidence-Based Antiplatelet Strategies in Acute Coronary Syndrome
7:00pm – 9:00 pm
Hilton, Ballroom C
Sponsored by: AstraZeneca

Integration in the TAVI Suite
7:15 – 9:00 pm
TAVI Suite – Exhibit Hall
Minneapolis Convention Center
Sponsored by: MAQUET Medical Systems USA and Philips Healthcare

Monday, May 6, 2013
Lifetime Management of Aortic Stenoses: The Changing Landscape
12:30 – 2:00 p.m.
Exhibit Hall Product Theater
Minneapolis Convention Center
Sponsored by: CRF

Gaining Clarity on Competitive Flow: Implications for Improved CABG Outcomes
5:30 – 7:30 p.m.
Symphony I
Minneapolis Hilton
Sponsored by: Medistim

Tuesday, May 7, 2013
Improving Outcomes for Coronary ByPass Surgery
12:30 – 2:00 p.m.
Exhibit Hall Product Theater
Minneapolis Convention Center

*Industry supported satellite programs are not part of the AATS Scientific Program.
Exhibitor Floor Plan Foldout.
Minneapolis Convention Center (Convention Center)
Minneapolis Convention Center (Convention Center)
Hyatt Regency Minneapolis
Hyatt Regency Minneapolis
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93rd Annual Meeting
May 4–May 8, 2013 | Minneapolis, MN

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<td>Craig R. Smith</td>
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<td>Philadelphia, PA</td>
<td>Irving L. Kron</td>
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<td>Toronto, ONT</td>
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<td>Thomas L. Spray</td>
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<td>2007-2008</td>
<td>San Diego, CA</td>
<td>D. Craig Miller</td>
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<td>Washington, DC</td>
<td>Bruce W. Lytle</td>
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<td>2004-2005</td>
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<td>Tirone E. David</td>
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<td>Toronto, ONT</td>
<td>Joel D. Cooper</td>
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<td>Fred A. Crawford, Jr.</td>
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<td>Timothy J. Gardner</td>
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<td>James L. Cox</td>
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<td>New Orleans, LA</td>
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<td>Mortimer J. Buckley</td>
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<td>John L. Ochsner</td>
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<td>F. Griffith Pearson</td>
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<td>Lyman A. Brewer, III</td>
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<td>Dallas, TX</td>
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<td>1963-1964</td>
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<td>Miami Beach, FL</td>
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1923-1925  Charles Gordon Heyd
1918-1923  Nathan W. Green

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2013 — William D. Edwards, MD
Update on Surgical-Pathologic Correlates of Valvular Heart Disease

2012 — John E. Bares, PhD
Will a Robot Take Your Job?

2011 — Susan B. Shurin, MD
Public Support of Biomedical Research

2010 — Susan E. Mackinnon, MD
Nerve Injury – Changing the Surgical Paradigm Through Translational Science

2009 — Jonathan A. Epstein, MD
Insights from Developmental and Stem Cell Biology

2008 — Matts Karlsson, PhD
The Link Between Engineering, Biomechanics, and Cardiovascular Physiology and Disease

2007 — Steven R. Bailey
Nanotechnology – Impact on Cardiovascular Medicine

2006 — H. Robert Horvitz, PhD
Genetic Control of Programmed Cell Death in C. elegans

2005 — Harry Dietz, MD
New Insights Into the Pathogenesis and Treatment of Marfan Syndrome

2004 — John B. West, MD
A Shortage of Oxygen: Lessons from the Summit of Mt. Everest

2003 — Richard White, MD
Advanced Imaging: Aiding the “Mind’s Eye” of the Cardiothoracic Surgeon

2002 — Steven A. Rosenberg, MD
The Immune Response to Human Cancer: Lessons from the Molecular Analysis of Patients with a Dramatic Response to Immunotherapy

2001 — Gerald D. Buckberg, MD
The Helix and the Heart

2000 — J. Craig Venter, PhD
Decoding the Human Genome

1999 — Victor Dzau, MD
Gene Therapy Strategies for Research Revascularization

1998 — Eric J. Topol, MD
The Future of Coronary Thrombosis Prophylaxis

1997 — Ronald G. Crystal, MD
Implications for Gene Therapy in Treating Coronary Artery Disease and Lung Cancer

1994 — Timothy A. Springer, PhD
Traffic Signals for Leukocyte Emigration from the Blood Stream

1993 — Andrew S. Wechsler, MD
Molecular Biology: New Common Ground for Cardiothoracic Surgery
1992 — Kurt Benirschke, MD
Twinning

1991 — Fritz H. Bach, MD
Transplant Immunology: A Broadening of the Concept for the Future

1990 — Louis Siminovitch, MD
Advances in Cancer Research—Bench to Bedside

1989 — Russell Ross, MD
The Pathogenesis of Atherosclerosis

1988 — Raj K. Goyal, MD
Physiology and Pathophysiology of Esophageal Peristalsis

1987 — Gustav J.V. Nossal, MD
Immuo-Regulation: The Key to Transplantation and Autoimmunity

Honored Guest Lecturers

2013 — Richard B. Cheney
Interview with former Vice President Dick Cheney: Personal Reflections on Cardiac Surgery

2012 — Mehmet C. Oz, MD
Medicine in Media

2011 — Michael J. Mack, MD
The Only Constant is Change

2010 — David Naylor, MD
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, MD
50 Years of Cardiothoracic Surgery Through the Looking Glass and What the Future Holds

2007 — Mark B. McClellan

2006 — John P. Howe, III, MD
A World in Need: Lessons Learned in Medical Diplomacy—The Project HOPE Perspective

2005 — Richard D. Weisel, MD
Cardiac Regeneration

2004 — Joseph Macinnis, MD
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, MD
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, MD
Experimental and Clinical Application of Angiogenesis Research

1998 — Ken Taylor, MD
A Practical Affair

1997 — Antoon E.M.R. Lerut, MD
Esophageal Surgery at the End of the Millennium

1996 — David H. Sachs, MD
Tolerance to Allogeneic and Xenogeneic Transplants

1995 — Edmund D. Pellegrino, MD
Medical Ethics in the 21st Century: DNR or CPR?

1994 — Rodolfo Herrera-Llerandi, MD
A Thoracic Tale of Two Cities

1993 — Mark F. O’Brien, MD
The Structure and Function of Tissue Valves; Some Lessons Learned from the Fate of Implanted Heart Valves

1992 — Rene G. Favaloro, MD
Coronary Artery Bypass Graft Surgery; Twenty-Five Years Later—Some Landmarks

1991 — Magdi Yacoub, MD
Long-Term Transplantation as a Model

1990 — A.P. Naef, MD
Pioneers and Milestones in Thoracic Surgery

1989 — Francis M. Fontan, MD
Transplantation of Knowledge

1988 — Jaroslav F. Stark, MD
Do We Really Correct Congenital Heart Defects?

1987 — Jean-Paul Binet, MD
New Frontiers—New Barriers

1986 — Ake Senning, MD
The Cardiovascular Surgeon and the Liver

1985 — Hans G. Borst, MD
Hands Across the Ocean: German/American Relations in Thoracic Surgery

1984 — Adib D. Jatene, MD
Left Ventricle Aneurysmectomy: Resection or Reconstruction?

1983 — Alain F. Carpentier, MD
Valve Surgery: The French Correction

1982 — Wu Ying-Kai, MD
Achievements in the Study and Control of Cancer of the Esophagus

1981 — Roger Abbey-Smith, MD
An Evaluation of the Long-Term Results of Surgery for Bronchial Carcinoma

1980 — H. D’Arcy Sutherland, MD
Cardiothoracic Metamorphosis

1979 — Brian Barratt-Boyes, MD
Cardiothoracic Surgery in the Antipodes
1978 — Donald Ross, MD
Cardiac Surgery—The Golden Years

1977 — Charles Dubost, MD

1973 — Thomas H. Sellors, MD
The Generality of Surgery

1972 — C. Rollins Hanlon, MD
Specialization in Medicine

1971 — Roger O. Egeberg, MD

1970 — Leo Eloesser, MD
Milestones In Chest Surgery

1969 — E.J. Zerbini, MD
The Surgical Treatment of Tetralogy of Fallot

1968 — Christiaan N. Barnard, MD
Experience with Human Heart Transplantation

1967 — Viking Olov Bjork, MD
Methods in Open Heart Surgery

1966 — Ronald Belsey, MD
Functional Diseases of the Esophagus and their Surgical Management

1965 — A. Gerard Brom, MD
Narrowing of the Aortic Isthmus and Enlargement of the Mind

1964 — I. Boerema, MD
The Use of Hyperbaric Oxygen in Thoracic Surgery

1963 — Andrew Logan, MD
The Surgical Treatment of Carcinoma of the Esophagus and Cardia

1962 — Norman R. Barrett, MD
Earle W. Wilkins, Jr., MD
Publish or Perish Experience With 500 Cases of Hiatus Hernia

1961 — A.L. d’Abreu, MD
Thoracic Surgery in the Commonwealth of Medicine

1960 — Alfonso Topete, MD
New Findings in the Coronary-Encephalic Perfusion in Depressive Surgical Cases
The AATS Graham Research Foundation

The American Association for Thoracic Surgery (AATS), founded in 1917, began the Graham Traveling Fellows program in 1951, as part of its research initiatives. Since its founding in 1973, the AATS Graham Research 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 2013, 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 Research Foundation’s mission.

Mission

The mission of the AATS Graham Research 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.

Board of Directors

The AATS Graham Research Foundation exists to help support the work of the American Association for Thoracic Surgery (AATS). The Board of Directors of AATS Graham Research 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.

President:  David J. Sugarbaker, M.D. – Boston, MA
Vice President:  Thoralf M. Sundt, III, M.D. – Boston, MA
Secretary/Treasurer:  Thomas L. Spray, M.D. – Philadelphia, PA
Raphael Bueno, M.D. – Boston, MA
Timothy J. Gardner, M.D. – Newark, DE
J. William Gaynor, M.D. – Philadelphia, PA
Hartzell V. Schaff, M.D. – Rochester, MN
Craig R. Smith, M.D. – New York, NY
Advisory Council

The Advisory Council identifies innovative challenges within the specialty where resources might best be utilized and proposes potential collaborative ventures.

Chair: Timothy J. Gardner, M.D. – Newark, DE
David H. Adams, M.D. – New York, NY
Emile A. Bacha, M.D. – New York, NY
Joseph E. Bavaria, M.D. – Philadelphia, PA
Bryan F. Meyers, M.D. – St. Louis, MO

Development Committee

The Development Committee identifies, develops, and implements funding sources for Foundation initiatives.

Chair: Raphael Bueno, M.D. – Boston, MA
James D. Luketich, M.D. – Pittsburgh, PA
Mehmet C. Oz, M.D. – New York, NY
Jack A. Roth, M.D. – Houston, TX
Lars G. Svensson, M.D. – Cleveland, OH
James S. Tweddell, M.D. – Milwaukee, WI

Evarts A. Graham Memorial Traveling Fellowship

The Evarts A. Graham Memorial Traveling Fellowship was established in 1951 by the American Association for Thoracic Surgery. Funded and administered through the AATS Graham Research Foundation, it provides grants to young surgeons from abroad who have completed their formal training in general, thoracic and cardiovascular surgery. The award allows the recipient to study a year to intensify his training in a program of special interest and to travel to several sites to broaden his/her overall training and increase his/her contacts with thoracic surgeons internationally. Awards are made to surgeons of unique promise who have been regarded as having potential for later international thoracic surgical leadership. Since the inception of the Graham Fellowship, 61 young surgeons from 30 countries have completed their training at thoracic surgical centers.

1. 1951-52  L.L. Whytehead, MD, FRCS, Canada
2. 1953-54  W.B. Ferguson, MB, FRCS, England
3. 1954-55  Lance L. Bromley, M., Chir, FRCS, England
4. 1955-56  Raymond L. Hurt, FRCS, England
5. 1956-57  Mathias Paneth, FRCS, England
6. 1957-58  Peter L. Brunnen, FRCS, Scotland
7. 1958-59  N.G. Meyne, MD, Holland
8. 1960-61  Godrej S. Karai, MD, India
9. 1961-62  Fritz Helmer, MD, Austria
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<td>Theodor M. Scheinin, MD</td>
<td>Finland</td>
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<td>Masahiro Saigusa, MD</td>
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<td>Adar J. Hallen, MD</td>
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<td>Stuart C. Lennox, MD</td>
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<td>Elias Carapistolis, MD, FACS</td>
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<td>1965-66</td>
<td>Gerhard Friehs, MD</td>
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<td>1965-66</td>
<td>Ary Blesovsky, MD</td>
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<td>1966-67</td>
<td>C. Peter Clarke, FRACS</td>
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<td>1966-67</td>
<td>G.B. Parulkar, MD</td>
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<td>1967-68</td>
<td>Claus Jessen, MD</td>
<td>Denmark</td>
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<td>1969-70</td>
<td>Peter Bruecke, MD</td>
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<td>1970-71</td>
<td>Michel S. Slim, MD</td>
<td>Lebanon</td>
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<td>1971-72</td>
<td>Severi Pellervo Mattila, MD</td>
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<td>1972-73</td>
<td>Yasuyuki Fujiwara, MD</td>
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<td>1973-74</td>
<td>Marc Roger deLeval, MD</td>
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<td>1974-75</td>
<td>J.J. DeWet Lubbe, MD</td>
<td>South Africa</td>
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<td>1975-76</td>
<td>Mieczyslaw Trenkner, MD</td>
<td>Poland</td>
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<td>1976-77</td>
<td>Bum Koo Cho, MD</td>
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<td>1977-78</td>
<td>Alan William Gale, MD</td>
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<td>1978-79</td>
<td>Eduardo Otero Coto, MD</td>
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<td>1981-82</td>
<td>Richard Firmin, MD</td>
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<td>1981-82</td>
<td>Claudio A. Salles, MD</td>
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<td>1982-83</td>
<td>Yasuhsa Shimazaki, MD</td>
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<td>1983-84</td>
<td>Georg S. Kobinia, MD</td>
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<td>1984-85</td>
<td>Aram Smolinsky, MD</td>
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<td>1985-86</td>
<td>Florentino J. Vargas, MD</td>
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<td>1986-87</td>
<td>Ari L.J. Harjula, MD</td>
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<td>1987-88</td>
<td>Byung-Chul Chang, MD</td>
<td>Korea</td>
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<td>1988-89</td>
<td>Wang Cheng, MD, P.R. China</td>
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<td>1989-90</td>
<td>Christopher Knott-Craig, MD</td>
<td>South Africa</td>
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<td>1991-92</td>
<td>Ko Bando, MD, PhD</td>
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<td>1992-93</td>
<td>Timothy E. Oaks, MD</td>
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<td>1993-94</td>
<td>Alain Serraf, MD</td>
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<td>1995-96</td>
<td>Cornelius McKown Dyke, MD</td>
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<td>1996-97</td>
<td>Monica Robotin-Johnson, MD</td>
<td>France</td>
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<td>1997-98</td>
<td>Jun Wan, MD, P.R. of China</td>
<td>China</td>
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<td>1998-99</td>
<td>Christian Kreutzier, MD</td>
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<td>1999-00</td>
<td>Anders Franco-Cereceda, MD</td>
<td>Sweden</td>
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<td>2000-01</td>
<td>Albertus M. Scheule, MD</td>
<td>Germany</td>
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<td>2001-02</td>
<td>Anna Maria Ciccone, MD</td>
<td>Italy</td>
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<td>2002-03</td>
<td>Cliff K.C. Choong, MD</td>
<td>New Zealand</td>
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<td>2003-04</td>
<td>Edvin Prifti, MD</td>
<td>Albania</td>
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<td>2004-05</td>
<td>Smruti Ranjan Mohanty, MD</td>
<td>India</td>
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<td>2005-06</td>
<td>Zsolt Tóth, MD</td>
<td>Hungary</td>
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<td>2006-07</td>
<td>Ari Mennander, MD</td>
<td>Finland</td>
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<td>2007-08</td>
<td>Ioannis Toupoulis, MD</td>
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<td>2008-09</td>
<td>Sachin Talwar, MD</td>
<td>India</td>
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<td>2009-10</td>
<td>Juan J. Fibla, MD</td>
<td>Spain</td>
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<td>2010-11</td>
<td>Mohsen Ibrahim, MD</td>
<td>Italy</td>
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<td>2011-12</td>
<td>Zhigang Li, MD, Shanghai, China</td>
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<td>2012-13</td>
<td>Stephane Collaud, MD, Zurich, Switzerland</td>
<td>Switzerland</td>
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<td>2013-14</td>
<td>Haifeng Wang, Shanghai, China</td>
<td>China</td>
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</table>
Research Scholarship Recipients

The American Association for Thoracic Surgery Research Scholarship was established by the Association in 1985. Funded by the AATS Graham Research Foundation, the Research Scholarship provides opportunity for research, training and experience for North American surgeons committed to pursuing an academic career in cardiothoracic surgery. The program is undertaken within the first three years after completion of an approved cardiothoracic residency and is two years in duration.

Second John Kirklin Research Scholarship
2013-2015 Min Kim, MD
The Methodist Hospital

David C. Sabiston Research Scholarship
2012-2014 Pavan Atluri, MD
University of Pennsylvania

Michael E. DeBakey Research Scholarship
2011-2013 Marcelo Cypel, MD, MSc
University of Toronto
Frederick Tibayan, MD
Oregon Health and Science University

Third Alfred Blalock Research Scholarship
2010-2012 Matthias Peltz, MD
University of Texas Southwestern Medical Center

Third Edward D. Churchill Research Scholarship
2009-2011 Prasad S. Adusumilli, MD
Memorial Sloan-Kettering Cancer Center
William M. Yarbrough, MD
Medical University of South Carolina

Norman E. Shumway Research Scholarship
2008-2010 Alexander S. Krupnick, MD
Washington University
Michael P. Fischbein, MD
Stanford University

Second Dwight Harken Research Scholarship
2007-2009 Shu S. Lin, MD
Duke University Medical Center

John W. Kirklin Research Scholarship
2006-2008 Daniel Kreisel, MD
Washington University
Christine Lau, MD
University of Michigan

Second Andrew G. Morrow Research Scholarship
2005-2007 Marc de Perrot, MD, MSc
University of Toronto/Toronto General Hospital
Frederick Y. Chen, MD
Brigham & Women’s Hospital
Second John Alexander Research Scholarship
2004-2006  King F. Kwong, MD
           University of Maryland

Second Robert E. Gross Research Scholarship
2003-2005  Ross M. Bremner, MD, PhD
           St. Joseph's Hospital
           Vivek Rao, MD, PhD
           Toronto General Hospital

Second Alton Ochsner Research Scholarship
2002-2004  Yolonda L. Colson, MD
           Brigham & Women's Hospital
           Michael S. Mulligan, MD
           University of Washington Medical Center

Second John H. Gibbon, Jr. Research Scholarship
2001-2003  Richard J. Battafarano, MD, PhD
           University of Maryland
           Carmelo A. Milano, MD
           Duke University Medical Center

Second Alfred Blalock Research Scholarship
2000-2002  Abbas Ardehali, MD
           UCLA School of Medicine
           Thomas K. Waddell, MD, MSc, PhD
           University of Toronto and Toronto General Hospital

The Second Edward D. Churchill Research Scholarship
1999-2001  Joseph B. Shrager, MD
           University of Pennsylvania

Dwight Harken Research Scholarship
1998-2000  Bruce Rosengard, MD
           Massachusetts General Hospital

Andrew G. Morrow Research Scholarship
1997-1999  Stephen C. Yang, MD
           Johns Hopkins University School of Medicine

John Alexander Research Scholarship
1996-1998  Richard Norris Pierson, III, MD
           University of Maryland

Robert E. Gross Research Scholarship
1994-1996  Mehmet C. Oz, MD
           Columbia Presbyterian Medical Center
           Thoralf M. Sundt, III, MD
           Massachusetts General Hospital

Alton Ochsner Research Scholarship
           Brigham and Women's Hospital

John H. Gibbon, Jr., Research Scholarship
1990-1992  Donald D. Glower, MD
           Duke University Medical Center
Alfred Blalock Research Scholarship
1988-1990  Gus J. Vlahakes, MD
           Massachusetts General Hospital and
           Harvard Medical School

Edward D. Churchill Research Scholarship
1986-1988  Mark K. Ferguson, MD
           University of Chicago, Department of Surgery

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 *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
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

Recipients
2008     William T. Maloney
C. Walton Lillehei Resident Forum

The C. Walton Lillehei Forum recognizes the extraordinary contributions to our specialty by a great innovator in congenital and vascular disease. Selected by the Research Scholarship Committee, the recipient received a $5,000 award.

C. Walton Lillehei Past Winners:

2012 Jessica A. Yu, Aurora, CO
Knockdown of Secretory Phospholipase A2 Reduces Lung Cancer Growth In Vitro and In Vivo

2011 Damien J. LaPar, Charlottesville, VA
Pretreatment Strategy with Adenosine A2A Receptor Agonist Attenuates Reperfusion Injury in a Preclinical Porcine Lung Transplantation Model

2010 Bobby Yanagawa, Toronto, ON, Canada
BRCA1 is a Novel Regulator of Cardiac Function via Altering Myocardial Substrate Utilization and Mitochondrial Bioenergetics

2009 J. Raymond Fitzpatrick, Philadelphia, PA
Tissue Engineered Pro-Angiogenic Fibroblast Matrix Improves Myocardial Perfusion and Function and Limits Ventricular Remodeling Following Infarction

2008 Turner C. Lisle, Charlottesville, VA
Inflammatory Lung Injury After Cardiopulmonary Bypass Is Attenuated by Adenosine A2A Receptor Activation

2007 Leo M. Gazoni, Charlottesville, NC
Timing Is Everything. Pretreatment of Donor Lungs with the Adenosine 2A Receptor Agonist ATL-313 Results in Superior Protection From Lung Ischemia Reperfusion Injury Versus Administration During Reperfusion

2006 Jae Y. Kim, San Francisco, CA
WNT Inhibitory Factor Inhibits Lung Cancer Cell Growth

Amir M. Sheikh, Durham, NC
Proteomics of Brain Injury in a Neonatal Model of Deep Hypothermic Circulatory Arrest

2005 Paul W. Fedak, Toronto, ON Canada
Cell Transplantation Preserves Matrix Homeostasis: A Novel Paracrine Mechanism

2004 Filiberto Rodriguez, Palo Alto, CA
Alterations of Transmural Strains In the Ischemic Border Zone During Acute Mid-Circumflex Occlusion

Mark F. Berry, Philadelphia, PA
Targeted Overexpression of Leukemia Inhibitory Factor Preserves Myocardium In Postinfarction Heart Failure
2003  Sunil Singhal, Philadelphia, PA  
Preoperative Viral Gene Transfer of Interferon-Beta Prevents Recurrence and Improves Survival in Advanced Thoracic Malignancies

2002  Subhasis Chatterjee, Philadelphia, PA  
Viral Gene Transfer of the Anti-Apoptotic Factor ARC Protects Against Post Ischemic Heart Failure

2001  Tomasz A. Timek, Palo Alto, CA  
Septal-Lateral Annular Cinching Abolishes Acute Ischemic Mitral Regurgitation in Sheep

2000  Allan S. Stewart, Philadelphia, PA  
Gene Transfer of Bcl-2 Does Not Affect Myocardial Stunning But Ameliorates the Deleterious Effects of Chronic Remodeling

1999  Andrew I. Campbell, Toronto, ON, Canada  
Angiogenic Therapy with Vascular Endothelial Growth Factor Reverses Pulmonary Hypertension

1998  Stephen D. Cassivi, Toronto, ON, Canada  
Transgene Expression Following Adenoviral-Mediated Retransfection of Rat Lungs Is Increased and Prolonged by Transplantation-Level Immunosuppression
### 2012–2013
### Alphabetical Roster

(Current as of March, 2013)

IMPORTANT NOTICE: Members may access complete contact information in the members section of www.aats.org

#### Honorary Members

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<tr>
<th>Name</th>
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<tr>
<td>Abbey-Smith, R</td>
<td>Naef, Andreas P</td>
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*Mavroudis, Constantine  
*Mayer, John E  
*McCarthy, Patrick M  
*McCord, Colin W  
*McCormack, Patricia M  
*McCurry, Kenneth R  
*McElvein, Richard B  
*McEnany, M. Terry  
*McFadden, P. Michael  
*McGiffin, David C  
*McGough, Edwin C  
*McGrath, Lynn B  
*McGregor, Christopher GA  
*McKenna, Robert J  
*McKenzie, F. Neil  
*McKeown, John J  
*McKneally, Martin F  
*McLaughlin, Joseph S  
*McMullan, David M  

*McMullan, Martin H  
*McNamara, J. Judson  
*McPhail, Jasper L  
*Meckstroth, Charles  
*Mee, Roger B  
*Mehran, Reza J  
*Meier, Milton A  
*Meldrum, Daniel R  
*Melfi, Franch A  
*Menasche, Philippe  
*Mendeloff, Eric N  
*Menicanti, Lorenzo A  
*Menkis, Alan H  
*Mennander, Ari A  
*Mentzer, Robert M  
*Mentzer, Steven J  
*Meredith, Jesse H  
*Merrick, Scot H  
*Merrill, Walter H  
*Mesana, Thierry G  
*Messmer, Bruno J  
*Mestres, Carlos A  
*Metras, Dominique R  
*Meyer, Dan M  
*Meyers, Bryan F  
*Michaels, Lawrence  
*Michler, Robert E  
*Mickleborough, Lynda L  
*Midgley, Frank M  
*Mihaljevic, Tomislav  
*Milano, Carmelo A  
*Mill, Michael R  
*Miller, Arthur C  
*Miller, D. Craig  
*Miller, Daniel L  
*Miller, Donald W  
*Miller, Fletcher A  
*Miller, George E  
*Miller, Joseph I  
*Milliken, Jeffrey C  
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*Mills, Noel L  
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*McMullan, Martin H  
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*Mills, Noel L  
*Mills, Stephen A
Misbach, Gregory A
Mitchell, John D
Mitchell, Max B
Mitchell, R. Scott
*Miyamoto, Alfonso T
Miyoshi, Shinichiro
Moazami, Nader
Moffatt-Bruce, Susan D
Moggio, Richard A
Mohr, Friedrich W
*Mohri, Hitoshi
*Molina, J. Ernesto
Molins, Laureano
*Moncure, Ashby C
*Monro, James L
*Montoya, Alvaro
Moon, Marc R
*Moore, Thomas C
Moores, Darroch W
Morales, David L
*Moran, John M
Morell, Victor
Moreno-Cabral, Ricardo J
*Morin, Jean E
*Morton, Donald L
*Morton, Jeremy R
Mosca, Ralph S
Motomura, Noboru
Moulton, Anthony L
Mueller, Michael R
*Mulder, David S
*Mulder, Donald G
*Mullany, Charles J
*Mullen, Donald C
Mulligan, Michael S
Muneretto, Claudio
*Murphy, David A
*Murray, Gordon F
Murthy, Sudish C
*Murtra, Marcos
*Myerowitz, P. David
Myers, John L
*Myers, William O

*N
*Najafi, Hassan
Najm, Hani K
Naka, Yoshifumi
Naunheim, Keith S
Navia, Daniel O
Navia, Jose L
*Neerken, A. John
*Neirotti, Rodolfo
*Nelson, Ronald J
*Nelson, Russel M
Nesbitt, Jonathan C
Nguyen, Dao M
Nichols, Francis C
Nitta, Takashi
*Nolan, Stanton P
*Norman, John C
*Northrup, William F
*Norwood, William I
Novick, Richard J
Nugent, William C
Nwogu, Chukumere E

*O
*Oakes, David D
Obadia, Jean-Francois Le
*Ochsner, John L
Ogino, Hitoshi
Ohye, Richard G
Okada, Morihiro
*Okies, J. Edward
*Okike, Okike N
Okita, Yutaka
*Oldham, H. Newland
*Olinger, Gordon N
*Oliveira, Sergio A
Onaitis, Mark
*O’Neill, Martin J
Orringer, Mark B
*Orszulak, Thomas A
Otero Coto, Eduardo
Ott, David A
Ott, Richard A
*Reed, George E
*Reed, William A
Reichenspurner, Hermann
Reinhartz, Olaf
*Reis, Robert L
Reitz, Bruce A
Rendina, Erino Angelo
*Replogle, Robert L
*Reul, George J
*Revuelta, Jose Manuel
Ricci, Marco
Rice, David C
Rice, Thomas W
Rich, Jeffrey B
Richenbacher, Wayne E
Ring, W. Steves
*Rivera, Ramiro
*Rivkin, Laurence M
Robbins, Robert C
*Roberts, Arthur J
Robertson, John M
*Robicsek, Francis
*Robinson, Lary A
Rocco, Gaetano
Rodefeld, Mark D
Rodriguez, Evelio
*Roper, Charles L
Roques, Xavier F
Rose, Daniel M
*Rose, Eric A
Roselli, Eric E
Rosengard, Bruce R
Rosengart, Todd K
*Rosensweig, Jacob
Ross, David B
Ross, Patrick
*Rossi, Nicholas P
Roth, Jack A
Rousou, John A
Roviaro, Giancarlo
*Rubin, Joseph W
Ruel, Marc
*Ruflilanchas Sanchez, Juan J
Rusch, Valerie W

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Sabik, Joseph F
*Saif, Hazim J
Sako, Edward Y
Salerno, Tomas A
*Salomon, Neal W
SampathKumar, A.
Samuels, Louis E
Sanchez, Juan A
*Sanders, John H
*Sanderson, Richard G
Sano, Shunji
Sarris, George E
*Sasser, William F
*Sauvage, Lester R
*Sawyer, Philip N
*Sayyers, John L
Schaefers, Hans-Joachim
Schaff, Hartzell V
Schlichter, Andres J
Schmid, Ralph A
Schmoker, Joseph D
Scholz, Peter M
Schreiber, Christian
Schrump, David S
Schuchert, Matthew J
Schueiler, Stephan W
*Schwartz, Seymour I
*Scott, Henry E
*Scott, Meredith L
Scott, Walter J
*Scully, Hugh E
*Sebening, Fritz
*Selle, Jay G
*Sellers, Robert D
Sellke, Frank W
Selzman, Craig H
Sergeant, Paul T
Serraf, Alain
*Sethi, Gulshan K
Shah, Ashish S
Shahian, David M

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Shapira, Oz M
Shemin, Richard J
Shennib, Hani
Shimpo, Hideto
Shinoka, Toshiharu
*Shochat, Stephen J
Shrager, Joseph B
Shrestha, Malakh L
Shum-Tim, Dominique
Shumway, Sara J
*Siderys, Harry
Sievers, Hans-Hinrich
*Siewers, Ralph D
*Silver, Arthur W
*Silver, Donald
*Silverman, Norman A
*Simmons, Earl M
*Simmons, Robert L
Singh, Arun K
*Sink, James D
*Sintek, Colleen F
Slaughter, Mark S
*Sloan, Herbert E
Smedira, Nicholas G
Smith, Craig R
Smith, J. Michael
Smith, Peter K
Smythe, William R
*Snow, Norman J
Sonett, Joshua R
Song, Howard K
*Spear, Harold C
Speir, Alan M
*Spencer, Frank C
Spielvogel, David
Spinale, Francis G
*Spotnitz, Henry M
Spotnitz, William D
Spray, Thomas L
*Stanford, William
*Starek, Peter J
Starnes, Vaughn A
*Starr, Albert
*State, David

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*Stenstrom, John D
*Stephenson, Larry W
*Stern, Harold
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*Stewart, Scott
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*Stoney, William S
*Stranahan, Allan
*Strevey, Tracy E
*Subramanian, S
*Subramanian, Valavanur A
Sugerbaker, David J
*Sullivan, Henry J
Suma, Hisayoshi
Sun, Benjamin
Sundaresan, R. Sudhir
Sundt, Thoralf M
Suri, Rakesh M
*Sutherland, R. Duncan
Svensson, Lars G
Swain, Julie A
*Swan, Kenneth G
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*Symbas, Panagiotis
Szego, Wilson Y

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*Taber, Rodman E
Taggart, David P
Takamoto, Shinichi
Takanashi, Shuichi
*Takaro, Timothy
*Tarnay, Thomas J
*Tatooles, Constantine J
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*Tector, Alfred J
*Thal, Alan P
*Thevenet, Andre A
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*Thomas, Clarence S
*Thomas, George I
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*Thomas, Paul A
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Thourani, Vinod H
*Thurber, Richard J
*Thurber, Robert L
*Tice, David A
*Timmis, Hilary H
*Todd, Edward P
Todd, Thomas RJ
*Tomatis, Luis A
Torchiana, David F
Toyoada, Yoshiya
Trachiotis, Gregory D
Trastek, Victor F
*Treasure, Robert L
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Tribble, Curtis G
*Tricerri, Fernando E
*Trimble, Alan S
*Trummer, Max J
*Trusler, George A
Tsang, Victor T
Tseng, Elaine E
*Turley, Kevin
*Turney, Stephen Z
Turrentine, Mark W
Tweddell, James S
*Tyers, G. Frank O
*Tyson, Kenneth RT

U

Ueda, Yuichi
*Ullyot, Daniel J
*Unger, Felix H
Ungerleider, Ross M
Unruh, Helmut W

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Van Arsdell, Glen
*Van De Water, Joseph M

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Van Heeckeren, Daniel W
Van Raemdonck, Dirk E
Van Schil, Paul E
Van Trigt, Peter
*Van Way, Charles W
*Vander Salm, Thomas J
*Vanecko, Robert M
Vanermen, Hugo KI
Vaporciyan, Ara A
Varela, Gonzalo
Vassiliades, Thomas A
*Vaughn, Cecil C
Vega, J. David
*Veith, Frank J
Venuta, Federico
Verrier, Edward D
Vinten-Johansen, Jakob
Vlahakes, Gus J
vonSegesser, Ludwig K
Vouhe, Pascal R
Vricella, Luca A

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Wada, Hiromi
Waddell, Thomas K
Wahlers, Thorsten C
Wain, John C
*Wakabayashi, Akio
*Wallace, Robert B
*Walls, Joseph T
*Wallsh, Eugene
*Wallwork, John
Walsh, Garrett L
Walters, Henry L
Walther, Thomas
Wan, Song
Ward, Herbert B
*Wareham, Ellsworth E
Warner, Kenneth G
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Waters, Paul F
Watkins, Levi
*Watson, Donald C
*Webb, Watts R
*Wechsler, Andrew S
Weder, Walter
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Weigel, Tracey L
Weiman, Darryl S
*Weinberg, Milton
*Weintraub, Ronald M
*Wellons, Harry A
Wells, Francis C
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Westaby, Stephen
*Wheatley, David J
Whitman, Glenn J
Whyte, Richard I
*Wichern, Walter
*Wilkins, Earle W
Williams, Mathew R
*Williams, Thomas E
*Williams, William G
*Williams, Willis H
*Wilson, James Miller
*Wilson, Robert F
*Wisoff, George
Wolf, Randall K
*Wolfe, Walter G
*Wolner, Ernst
Woo, Y. Joseph
Wood, Douglas E
Wright, Cameron D
*Wright, Creighton Bo
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*Wukasch, Don C

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Yagihara, Toshikatsu
Yang, Stephen C
Yasufuku, Kazuhiro
*Yasui, Hisataka
Yau, Terrence M
Yee, Edward S
*Yeh, Thomas J
Yendamuri, Sai
Yim, Anthony P
Young, J. Nilas
*Young, William P
Yozu, Ryohei
Yuh, David D

Z

*Zajtchuk, Rostik
Zalaquett, Ricardo A
*Zaroff, Lawrence I
*Zeff, Robert H
Zehr, Kenton J
Zembala, Marian
Zenati, Marco A
Zielinski, Marcin
Ziemer, Gerhard
*Zuhdi, M. Nazih
*Zumbo, G. Lionel
Zwischenberger, Joseph B

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## 2012–2013 Geographical Roster

*(Current as of March, 2013)*

### United States

#### ALABAMA

- Birmingham
  - Athanasuleas, Constantine L
  - Cerfolio, Robert J
  - Holman, William L
  - Kahn, Donald R
  - Kirklin, James K
  - McGiffin, David C
- Indian Springs
  - Pacisco, Albert D
- Mobile
  - LoCicero, Joseph, III
- Montgomery
  - Simmons, Earl M

#### ALASKA

- Anchorage
  - Misbach, Gregory A

#### ARIZONA

- Carefree
  - Michaelis, Lawrence
- Chandler
  - Shennib, Hani
- Phoenix
  - Pearl, Jeffrey M
  - Trastek, Victor F
- Scottsdale
  - Fisk, R. Leighton
  - Mullany, Charles J
  - Pluth, James R
  - Vaughn, Cecil C
- Tempe
  - Cornell, William P
- Tucson
  - Greenfield, Lazar J
  - Little, Alex G
  - 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
- 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
- Irvine
  - Kirsh, Marvin M
- 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
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Bailey, Leonard L
Razzouk, Anees J
Wareham, Ellsworth E

Los Angeles
Arabia, Francisco A
Ardehali, Abbas
Baker, Craig J
Bentfield, John R
Buckberg, Gerald D
Cohen, Robbin G
DeMeester, Steven R
Holmes, E. Carmack
Kay, Jerome H
Khoynezhad, Ali
Laks, Hillel
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

Martinez
Guernsey, James M

Murrieta
Wakabayashi, Akio

Newport Beach
Ott, Richard A

Oakland
Harken, Alden H

Orange
Connolly, John E
Milliken, Jeffrey C

Pacific Palisades
Mulder, Donald G

Palm Desert
Fosburg, Richard G

Palos Verdes Estates
Stiles, Quentin R

Pasadena
Penido, John RF

Portola Valley
Fogarty, Thomas J

Rancho Palos Verdes
Mandal, Ashis K

Rancho Santa Fe
DeLaria, Giacomo A
Geha, Alexander S

Rolling Hills Estates
Lui, Alfred HF

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
Jahnke, Edward J
Love, Jack W

Santa Cruz
Fishman, Noel H

Santa Monica
Fonkalsrud, Eric W
Morton, Donald L
Robertson, John M

Sausalito
Zaroff, Lawrence I

Stanford
Burdon, Thomas A
Fann, James I
Hanley, Frank L
Mainwaring, Richard D
Mark, James BD
Miller, D. Craig
Mitchell, R. Scott
Oyer, Philip E
Reddy, V. Mohan
Reinhartz, Olaf
Reitz, Bruce A
Shrager, Joseph B

Tiburon
Heydorn, William H

Torrance
Carey, Joseph S
Moore, Thomas C
State, David
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
Pomerantz, Marvin

Denver
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

Steamboat Springs
Greenberg, Jack J

CONNECTICUT

Bridgeport
Rose, Daniel M

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

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Washington
Jonas, Richard A
Keshishian, John M
Marshall, M. Blair
Simmons, Robert L

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Alachua
Meldrum, Daniel R

Atlantic Beach
Stranahan, Allan

Aventura
Bregman, David

Bal Harbour
Grondin, Pierre R

Belleair
Lasley, Charles H

Boca Raton
Kiser, Joseph C
Litwin, S. Bert

Coconut Grove
Center, Sol

Delray Beach
Rosensweig, Jacob

Fernandina Beach
Malm, James R

Gainesville
Alexander, James A
Beaver, Thomas M

Jacksonville
Edwards, Fred H
Koster, J. Kenneth, Jr
Landolf, Kevin P
American Association for Thoracic Surgery

Jupiter
Gerbasi, Francis S

Longboat Key
Lajos, Thomas Z

Miami Beach
Spear, Harold C

Miami
Harrison, Lynn H, Jr
Jude, James R
Kaiser, Gerard A
Kurlansky, Paul A
Montoya, Alvaro
Nguyen, Dao M
Pham, Si Mai
Reis, Robert L
Salerno, Tomas A
Subramanian, S
Thurer, Richard J

Naples
Gonzalez, Luis L
Linberg, Eugene J
Mason, G. Robert

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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

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

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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

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Hall, David P

Dunwoody
Rivkin, Laurence M

Evans
Zumbro, G. Lionel, Jr

Kennesaw
Northrup, William F, III

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

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Boise
Herr, Rodney H

ILLINOIS

Burr Ridge
Blakeman, Bradford P

Chicago
Akhter, Shahab
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
Vanek, 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

Springfield
Hazelrigg, Stephen R

Western Springs
Thomas, Paul A, Jr

Willowbrook
Leininger, Bernard J

Winnetka
Fry, Willard 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
Wolf, Randall K

Valparaiso
O'Neill, Martin J, Jr

IOWA

Cedar Rapids
Levett, James M

Council Bluffs
Sellers, Robert D

Des Moines
Zeff, Robert H

Iowa City
Behrendt, Douglas M
Iannettone, Mark D
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
Puda, Richard T

KENTUCKY

Lexington
Ferrars, Victor A
Todd, Edward P
Zwischenberger, Joseph B

Louisville
Austin, Erle H., III
Dowling, Robert D
Gray, Laman A, Jr
Slaughter, Mark S
American Association for Thoracic Surgery

LOUISIANA

Alexandria
Webb, Watts R

Baton Rouge
Berry, B. Eugene

Natchitoches
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

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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
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Cardarelli, Marcelo G
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Haller, J. Alex, Jr
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Pierson, Richard N, III
Sanchez, Juan A
Shah, Ashish S
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Yang, Stephen C

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Schrump, David S

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Turney, Stephen Z

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Brown, James M

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Salomon, Neal W

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Midgley, Frank M

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Heitmiller, Richard F

MASSACHUSETT S

Amherst
Levine, Frederick H

Beverly
Maloney, William T

Boston
Agnihotri, Arvind K
Allan, James S
Aranki, Sary F
Austen, W. Gerald
Bolman, R. Morton, III
Bueno, Raphael
Chen, Frederick Y
Cohn, Lawrence H
Colson, Yolonda L
Couper, Gregory S
Daly, Benedict DT
del Nido, Pedro J
Fernando, Hiran C
Gaissert, Henning A
Jaklotsch, Michael T
Khabbaz, Kamal R
Lanuti, Michael
Lazar, Harold L
Levitsky, Sidney
Little, Virginia R
MacGillivray, Thomas E
Madsen, Joren C
Mathisen, Douglas J
Mayer, John E
Mentzer, Steven J
Pigula, Frank A
Sugarbaker, David J
Sundt, Thoralf M
Swanson, Scott J
Thurer, Robert L
Torchiana, David F
Viahakes, Gus J
Wain, John C, Jr
Warner, Kenneth G
Whyte, Richard I
Wright, Cameron D
Zenati, Marco A

Brookline
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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

Needham Heights
Akins, Cary W

North Andover
Cook, William A

Plymouth
Moran, John M

Salem
Vander Salm, Thomas J

Springfield
Engelman, Richard M
Rousou, John A

Sudbury
Shahian, David M

Waltham
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West Hampton
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West Roxbury
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Williamstown
Wilkins, Earle W

Worcester
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Graeber, Geoffrey M
Okike, Okike N
Pontius, Robert G

MINNESOTA

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
Sloan, Herbert E

Detroit
Arbulu, Agustin
Bacicewicz, Frank A, Jr
Delius, Ralph E
Stephenson, Larry W
Walters, Henry L, III
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Grand Rapids
Harrison, Robert W
Khaghani, Asghar
Rasmussen, Richard A
Taber, Rodman E
Tomatis, Luis A

Grosse Pointe Farms
Javid, Hushang

Grosse Point
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Jackson
Macha, Mahender

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Arciniegas, Eduardo

MICHIGAN

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Gannon, Paul G

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Minneapolis
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John, Ranjit
Kelly, Rosemary
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Maddaus, Michael A
Shumway, Sara J
Sun, Benjamin
Ward, Herbert B

Mounds View
Vassiliades, Thomas A, Jr

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Molina, J. Ernesto
American Association for Thoracic Surgery

Rochester
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Burkhart, Harold M
Cassivi, Stephen D
Daly, Richard C
Danielson, Gordon K
Dearani, Joseph A
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Joyce, Lyle D
Nichols, Francis C
Orszulak, Thomas A
Pairolero, Peter C
Park, Soon J
Pochettino, Alberto
Puga, Francisco J
Schaff, Hartzell V
Suri, Rakesh M

Stillwater
Kaye, Michael P

MISSISSIPPI

Carriere
Mills, Noel L

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Logan, William D, Jr

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Johnston, J. Harvey, Jr
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Tribble, Curtis G

Ocean Springs
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Borkon, A. Michael
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Lofland, Gary K
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Bergmann, Martin
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Bains, Manjit S
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Grossi, Eugene A
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Linden, Philip A
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Murthy, Sudish C
Navia, Jose L
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Woo, Y. Joseph

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Badhwar, Vinay
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Gleason, Thomas G
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Magovern, George J, Jr
Magovern, George J
Morell, Victor
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Clark, Richard E

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Weiman, Darryl S

Nashville
Alford, William, Jr
Bender, Harvey W, Jr
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Tyson, Kenneth RT

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Adam, Maurice
DiMaio, J. Michael
Estrera, Aaron S
Forbess, Joseph
Holland, Robert H
Jessen, Michael E
Kernstine, Kemp H
Magee, Mitchell J
Mendeloff, Eric N
Meyer, Dan M
Platt, Melvin R
Ring, W. Steves

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Hood, Richard H, Jr

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McPhail, Jasper L

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Boyd, Thomas F

Galveston
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henly, Walter S
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Karwande, Shreekanth V
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Nelson, Russell M
Selzman, Craig H

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Leavitt, Bruce J
Schmoker, Joseph D

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Post Mills
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Kozower, Benjamin D
Kron, Irving L
Lau, Christine L
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Wellons, Harry A, Jr

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Burton, Nelson A

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Manhas, Dev R

Seattle
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Snoqualmie
Miller, Donald W, Jr

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WISCONSIN

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Weigel, Tracey L

Marshfield
Myers, William O

Milwaukee
Almassi, Hossein
Haasler, George B
Love, Robert B
Tector, Alfred J
Tweddell, James S

WYOMING

Shell
Scott, Meredith L

CANADA

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Fedak, Paul W

Edmonton
Kosha, Arvind
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Gandhi, Sanjiv K
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### West Vancouver
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### Edmonton
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- Fremes, Stephen E
- Goldberg, Melvyn
- Goldman, Bernard S
- Keshavjee, Shaf
- McKneally, Martin F
- Rao, Vivek
- Scully, Hugh E
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  - Tchervenkov, Christo I

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- **Verdun**
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### Saskatchewen

- **Saskatoon**
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Favaloro, Roberto R
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Navia, Daniel O
Schlichter, Andres J

El Palomar, Provincia
Kreutzer, Christian

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Konstantinov, Igor E

Parkville
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TASMANIA

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- Mohr, Friedrich W

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- Maiec, Edward J

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- Lange, Rudiger S
- Schreiber, Christian

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at University of Virginia
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Andrew S. Wechsler, MD
Benson R. Wilcox, MD
Douglas E. Wood, MD
Women in Thoracic Surgery (WTS)
George L. Zorn, Jr., MD
2013 Meetings and Programs

**AATS/ESTS Postgraduate Symposium on General Thoracic Surgery**
May 26–29, 2013
The International Convention Centre Broad Street, Birmingham, UK

**Masters of Minimally Invasive Thoracic Surgery**
September 19–21, 2013
Waldorf Astoria Orlando
Orlando, FL USA

**AATS/ACC 2013 Heart Valve Summit**
September 26–28, 2013
Marriott Magnificent Mile
Chicago, IL USA

**Cardiovascular-Thoracic (CVT) Critical Care 2013**
October 10–12, 2013
Omni Shoreham Hotel
Washington, DC USA

**AATS Focus on Thoracic Surgery: Esophageal Disease**
November 15–16, 2013
Boston Marriott Copley Place
Boston, MA USA
FUTURE AATS ANNUAL MEETINGS

AATS 94th Annual Meeting
April 26–30, 2014
Metro Toronto Convention Centre
Toronto, ON, Canada

AATS 95th Annual Meeting
April 25–29, 2015
Washington State Convention and Trade Center
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
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