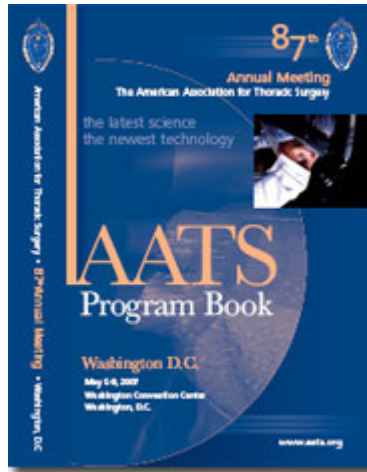


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2006	H. Robert Horvitz, Ph.D.	Genetic Control of Programmed Cell Death in <i>C. elegans</i>
2005	Harry Dietz, M.D.	New Insights Into the Pathogenesis and Treatment of Marfan Syndrome
2004	John B. West, M.D.	A Shortage of Oxygen: Lessons from the Summit of Mt. Everest
2003	Richard White, M.D.	Advanced Imaging: Aiding the "Mind" of the Cardiothoracic Surgeon
2002	Steven A. Rosenberg, M.D.	The Immune Response to Human Cancer: Lessons from the Molecular Analysis of Patients with a Dramatic Response to Immunotherapy
2001	Gerald D. Buckberg, M.D.	The Helix and the Heart
2000	J. Craig Venter, Ph.D.	Decoding the Human Genome
1999	Victor Dzau, M.D.	Gene Therapy Strategies for Research Revascularization
1998	Eric J. Topol, M.D.	The Future of Coronary Thrombosis Prophylaxis
1997	Ronald G. Crystal, M.D.	Implications for Gene Therapy in Treating Coronary Artery Disease and Lung Cancer
1994	Timothy A. Springer, Ph.D.	Traffic Signals for Leukocyte Emigration from the Blood Stream
1993	Andrew S. Wechsler, M.D.	Molecular Biology: New Common Ground for Cardiothoracic Surgery
1992	Kurt Benirschke, M.D.	Twinning
1991	Fritz H. Bach, M.D.	Transplant Immunology: A Broadening of the Concept for the Future
1990	Louis Siminovitch, M.D.	Advances in Cancer Research " Bench to Bedside
1989	Russell Ross, M.D.	The Pathogenesis of Atherosclerosis
1988	Raj K. Goyal, M.D.	Physiology and Pathophysiology of Esophageal Peristalsis
1987	Gustav J. V. Nossal, M.D.	Immuno-Regulation: The Key to Transplantation and Autoimmunity

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(1960-2006)**

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2006	John P. Howe, III, M.D.	A World in Need: Lessons Learned in Medical Diplomacy. The Project HOPE Perspective
2005	Richard D. Weisel, M.D.	Cardiac Regeneration
2004	Joseph Macinnis, M.D.	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, M.D.	Beyond Flatland
2001	Mory Gharib, M.D.	Bioengineering for the Exploration of Space: New Challenges
2000	James L. Barksdale, M.D.	Effects of the Net Economy
1999	Judah Folkman, M.D.	Experimental and Clinical Application of Angiogenesis Research
1998	Ken Taylor, M.D.	A Practical Affair
1997	Antoon E. M. R. Lerut, M.D.	Esophageal Surgery at the End of the Millenium
1996	David H. Sachs, M.D.	Tolerance to Allogeneic and Xenogeneic Transplants
1995	Edmund D. Pellegrino, M.D.	Medical Ethics in the 21 st Century: DNR or CPR?
1994	Rodolfo Herrera-Llerandi, M.D.	A Thoracic Tale of Two Cities
1993	Mark F. O'™Brien, M.D.	The Structure and Function of Tissue Valves; Some Lessons Learned from the Fate of Implanted Heart Valves
1992	Rene G. Favaloro, M.D.	Coronary Artery Bypass Graft Surgery; Twenty-five Years Later. Some Landmarks
1991	Magdi Yacoub, M.D.	Long-Term Transplantation as a Model
1990	A. P. Naef, M.D.	Pioneers and Milestones in Thoracic Surgery
1989	Francis M. Fontan, M.D.	Transplantation of Knowledge
1988	Jaroslav F. Stark, M.D.	Do We Really Correct Congenital Heart Defects?
1987	Jean-Paul Binet M.D.	New Frontiers €“ New Barriers
1986	Ake Senning, M.D.	The Cardiovascular Surgeon and the Liver
1985	Hans G. Borst M.D.	Hands Across the Ocean: German/American Relations in Thoracic Surgery
1984	Adib D. Jatene, M.D.	Left Ventricular Aneurysmectomy: Resection or Reconstruction?
1983	Alain Carpentier, M.D.	Valve Surgery: The French Correction
1982	Wu Ying-Kai, M.D.	Achievements in the Study and Control of Cancer of the Esophagus
1981	Roger A. Smith, M.D.	An Evaluation of the Long-Term Results of Surgery for Bronchial Carcinoma

1980	H. De™Arcy Sutherland, M.D.	Cardio-Thoracic Metamorphosis
1979	Brian Barratt-Boyes, M.D.	Cardiothoracic Surgery in the Antipodes
1978	Donald Ross, M.D.	Cardiac Surgery €“ The Golden Years
1977	Charles Dubost, M.D.	
1976	Eoin O™Malley, M.Ch., F.R.C.S.I.	The Doctor™s Dilemma
1975	Gordon W. Thomas, M.D.	Surgery in the Sub-Arctic: A Thoracic Surgeon™s Odyssey
1974	Shigeru Sakakibara, M.D.	Experiences with Congenital Anomalies of the Heart in Japan
1973	Thomas H. Sellors, M.D.	The Generality of Surgery
1972	C. Rollins Hanlon, M.D.	Specialization in Medicine
1971	Roger O. Egeberg, M.D.	
1970	Leo Eloesser, M.D.	Milestones In Chest Surgery
1969	E. J. Zerbin, M.D.	The Surgical Treatment of Tetralogy of Fallot
1968	Christiaan N. Barnard, M.D.	Experience with Human Heart Transplantation
1967	Viking Olov Bjork, M.D.	Methods in Open Heart Surgery
1966	Ronald Belsey, M.D.	Functional Diseases of the Esophagus and their Surgical Management
1965	A. Gerard Brom, M.D.	Narrowing of the Aortic Isthmus and Enlargement of the Mind
1964	I. Boerema, M.D.	The Use of Hyperbaric Oxygen in Thoracic Surgery
1963	Andrew Logan, M.D.	The Surgical Treatment of Carcinoma of the Esophagus and Cardia
1962	Norman R. Barrett, M.D. Earle W. Wilkins, Jr., M.D.	Publish or Perish Experience With 500 Cases of Hiatus Hernia
1961	A. L. de™Abreu, M.D.	Thoracic Surgery in the Commonwealth of Medicine
1960	Alfonso Topete, M.D.	New Findings in the Coronary-Encephalic Perfusion in Depressive Surgical Cases

2007 PROGRAM AND ABSTRACTS

THE AMERICAN ASSOCIATION FOR THORACIC SURGERY
87th ANNUAL MEETING
Washington Convention Center
Washington, DC May 5-9, 2007

PROGRAM OUTLINE

SATURDAY, MAY 5, 2007

SURGICAL TREATMENT OF ATRIAL FIBRILLATION

Room 146, Washington Convention Center
Chairman: Ralph J. Damiano, Jr.

SCIENTIFIC PROGRAM

Morning Session - Current Topics and Controversies in the Treatment of Atrial Fibrillation

Moderator: Ralph J. Damiano, Jr., MD

- 8:00 - **Welcome and Introduction**
8:10 Ralph J. Damiano, Jr.
am *Washington University School of Medicine*
- 8:10 - **Mechanisms of Atrial Fibrillation: Current State of the Art**
8:40 Richard Schuessler, Ph.D.
am *Washington University*
- 8:40 - **Catheter Ablation for Atrial Fibrillation: Does One Approach Fit All Patients?**
9:10 Fred Morady
am *University of Michigan Health Systems*
- 9:10 - **Surgery for Lone Atrial Fibrillation: How Do We Become Competitive with Catheter Ablation?**
9:35 Ralph J. Damiano, Jr.
am *Washington University School of Medicine*
- 9:35 - **Surgery for Atrial Fibrillation and Valvular Heart Disease: What is the Correct Lesion Set?**
10:00 A. Marc Gillinov
am *Cleveland Clinic Foundation*
- 10:00 - **Panel Discussion**
10:15
am
- 10:15 - **BREAK**
10:30
am
- Moderator: A. Marc Gillinov, MD
- 10:30 - **What's New in Ablation Technology?**
11:00 Adam E. Saltman
am *Maimonides Medical Center*

11:00 - **How Should We Report Our Clinical Studies and Results? Defining Success**
11:30 Richard Shemin
am *Boston Medical Center*

11:30 - **Debate: Ganglionectomy is an Important Adjunct to AF Ablation**
12:00 Pro: James Edgerton, *Texas Heart Hospital of the Southwest*
pm Con: Richard Schuessler, PhD, *Washington University*

12:00 - **LUNCH**
1:00
pm

Afternoon Session - Operative Techniques for Lone Atrial Fibrillation Surgery

Moderator: Ralph J. Damiano, Jr., MD

1:00 - **Minimally Invasive Maze Procedure**
1:20 Niv Ad
pm *Inova Heart & Vascular Institute*

1:20 - **Pulmonary Vein Isolation: Bilateral VATS and Partial Cardiac Denervation and
Excision of LAA**
1:40
pm Randall K. Wolf
UC Surgeons, Univ of Cincinnati

1:40 - **Pulmonary Vein Isolation: Bilateral Thoracoscopic Approach**
2:00 J. Crayton Pruitt
pm *Cardiac Surgical Associates*

2:00 - **Pulmonary Vein Isolation: Unilateral Thoracoscopic Approach**
2:20 Li Poa
pm *Enloe Medical Center*

2:20 - **Panel Discussion**
2:45
pm

Operative Techniques for Atrial Fibrillation with Valvular Heart Disease

Moderator: Niv Ad, MD

3:00 - **Left Atrial Ablation for Atrial Fibrillation**
3:20 Stefano Benussi
pm *San Raffaele Hospital*

3:20 - **Biatrial Lesion Sets**
3:40 Patrick M. McCarthy
pm *Northwestern Memorial Hospital*

3:40 - **Atrial Fibrillation Surgery through Minimally Invasive Approaches**
4:00 W. Randolph Chitwood, Jr.
pm *East Carolina Univ School of Med*

4:00 - **Beating Heart Ablation**
4:20 Mark A. Groh
pm *Asheville Cardiovascular & Thoracic Surgeons*

4:20 - **Panel Discussion**
4:40
pm

4:40 - **Challenges in the Perioperative Management of Patients after AF Surgery**
5:00 Roger C. Millar
pm *LDS Hospital*

5:00 **Adjourn**
pm

DEVELOPING THE ACADEMIC SURGEON - A SYMPOSIUM

Room 145, Washington Convention Center

Chairman: A. Marc Gillinov

- 1:00 **Introduction**
p.m. A. Marc Gillinov
 Cleveland Clinic Foundation
- 1:15 **Cardiac Surgical Research: Basic, Clinical, or Both?**
p.m. Aubrey C. Galloway
 New York University Medical Center
- 1:35 **Clinical Trial Design: Basic Concepts and Concrete Examples**
p.m. Eugene H. Blackstone
 Cleveland Clinic Foundation
- 1:55 **Cardiothoracic Surgery and the NIH: Where do We Stand?**
p.m. Pedro J. del Nido
 Children's Hospital - Boston
- 2:15 **Models of Academic Thoracic Surgery I**
p.m. John C. Wain
 Massachusetts General Hospital
- 2:30 **Models of Academic Thoracic Surgery II**
p.m. James D. Luketich
 University of Pittsburgh Medical Center
- 2:45 **BREAK**
- 3:00 **From Innovation to Application**
p.m. Paul A. Spence
 University of Louisville Cardiothoracic Surgical Associates
- 3:20 **Working with Industry**
p.m. Michael J. Mack
 Cardiothoracic Surgery Associates of North Texas
- 3:40 **Training for the Future - A Program Director's Perspective**
p.m. R. Morton Bolman, III
 Brigham & Women's Hospital
- 4:00 **Training for the Future - Reduced to Practice**
p.m. Eric E. Roselli, *Cleveland Clinic*
 Mathew R. Williams, *Columbia University Medical Center*
 J. Michael Davidson, *Brigham & Women's Hospital*
- 5:00 **ADJOURN**
p.m.

SATURDAY, MAY 5, 2007

5:00 - **General Thoracic Biology Club**
7:00 Location: TBA
pm

5:00 - **Cardiac Surgery Biology Club**
7:00 Location: TBD
pm

SUNDAY, MAY 6, 2007

AATS/STS ADULT CARDIAC SYMPOSIUM

Ballroom A/B, Washington Convention Center
Chairman: Joseph F. Sabik, III

7:55 **Welcome**
a.m. Joseph F. Sabik, III
Cleveland Clinic Foundation

Session I Mitral Valve Repair

8:00 **Indications, Imaging and Timing of Mitral Valve Repair and Surgical Techniques**
a.m. William Stewart
Cleveland Clinic Foundation

8:30 **Posterior Leaflet Prolapse: Quadrangular Resection with and without Sliding**
a.m. **Valvuloplasty**
Lawrence H. Cohn
Brigham & Women's Hospital

8:50 **Posterior Leaflet Prolapse: Triangular Resection without Sliding Valvuloplasty**
a.m. Hartzell V. Schaff
The Mayo Clinic

9:10 **Posterior Leaflet Prolapse: Posterior Leaflet Rotation (NYU Repair)**
a.m. Aubrey C. Galloway
New York University School of Medicine

9:30 **Discussion: Posterior Leaflet Repair Techniques**
a.m. Lawrence H. Cohn, Hartzell V. Schaff, Aubrey C. Galloway

10:00 **BREAK**
a.m.

10:20 **Anterior Leaflet Prolapse: Chordal Transfer**
a.m. A. Marc Gillinov
Cleveland Clinic Foundation

10:40 **Anterior Leaflet Prolapse: Artificial Chords as a Primary Approach to Leaflet**
a.m. **Prolapse**
Fred W. Mohr
Herzzentrum Universitaet Leipzig

11:00 **Anterior Leaflet Prolapse: Artificial Chords When Other Techniques Fail**
a.m. Tirone E. David
Toronto General Hospital

11:20 **Anterior Leaflet Prolapse: Edge to Edge Repair**
a.m. Ottavio R. Alfieri
San Raffaele University Hospital

11:40 **Discussion: Anterior Leaflet Repair Techniques**
a.m. A. Marc Gillinov, Tirone E. David, Fred W. Mohr, Ottavio R. Alfieri

12:00 **LUNCH**
p.m.

Session II Advantages and Limitations of Cardiac CT and MRI: What the Cardiac Surgeon Needs to Know

1:00 **Advantages and Limitations of Cardiac CT and MRI: What the Cardiac**
p.m. **Surgeon Needs to Know**
Scott D. Flamm
Cleveland Clinic Foundation

Session III Less Invasive Surgical Approaches to Valve and Coronary Surgery

1:30 **Less Invasive Coronary Surgery: Multivessel Revascularization via a Mini-**
p.m. **Thoracotomy**
Roxanne V. Newman
Meritcare Medical Center

1:50 **Less Invasive Coronary Surgery: Totally Endoscopic Robotically Assisted**
p.m. **Coronary Artery Bypass Grafting**
Gerhard Wimmer-Greinecker
JWG-University of Frankfurt

2:10 **Less Invasive Coronary Surgery: Hybrid Procedure**
p.m. John G. Byrne
Vanderbilt Heart and Vascular Institute

2:30 **Less Invasive Coronary Surgery: Anastomotic Connectors**
p.m. Michael J. Mack
Cardiothoracic Surgery Associates of North Texas

2:50 **Discussion**
p.m. Roxanne V. Newman, Gerhard Wimmer-Greinecker, John G. Byrne, Michael J.
Mack

3:10 **BREAK**
p.m.

3:30 **Less Invasive Valve Surgery: Upper and Lower Hemisternotomy**
p.m. Tomislav Mihaljevic
Cleveland Clinic Foundation

3:50 **Less Invasive Valve Surgery: Right Thoracotomy - Direct**
p.m. Eugene A. Grossi
New York University Medical CenterK

4:10 **Less Invasive Valve Surgery: Right Thoractomy - Thorascopic**
p.m. Hugo K. Vanermen
Onze Lieve Vrouwziekenhuis

4:30 **Mitral Valve Repair Surgery with Robotic Technology**
p.m. W. Randolph Chitwood, Jr.
East Carolina University School of Medicine

4:50 **Discussion**
p.m. Tomislav Mihaljevic, Eugene A. Grossi, Hugo K. Vanermen, W. Randolph Chitwood

5:10 **ADJOURN TO WELCOME RECEPTION**
p.m. EXHIBIT HALL
* Subject to change

SUNDAY, MAY 6, 2007

AATS/STS GENERAL THORACIC SYMPOSIUM

Room 147, Washington Convention Center

Chairman: Sudish C. Murthy

STANDARDS OF CARE

8:00 **Introduction**
a.m. Sudish C. Murthy
 Cleveland Clinic Foundation

Session I Early Stage (Subcentimeter) NSCLCa

8:05 **Limited Resection**
a.m. Rodney J. Landreneau
 University of Pittsburgh Medical Center

8:15 **Lobectomy**
a.m. Jean DesLauriers
 Hospital Laval

8:25 **Discussion**
a.m.

Session II Therapy for Stage IIIA NSCLCa

8:35 **Chemoradiation as Primary Treatment**
a.m. Tarek Mekhail
 Cleveland Clinic Foundation

8:45 **Induction Therapy Followed by Surgery**
a.m. Mark J. Krasna
 St. Joseph's Medical Center

8:55 **Discussion**
a.m.

Session III Barrett's Esophagus with High-Grade Dysplasia

9:05 **Endoscopic Management**
a.m. Kenneth K. Wang
 The Mayo Clinic

9:15 **Esophagectomy Versus Esophageal Preservation**
a.m. Steven R. Demeester
 University of Southern California

9:25 **Discussion**
a.m.

Session IV Locally Advanced Esophageal Cancer

9:35 **En Bloc Resection**
a.m. Nasser K. Altorki
 Cornell Medical Center

9:45 **Induction Therapy Followed by Resection**
a.m. Garret L. Walsh
 MD Anderson Cancer Center

9:55 **Discussion**
a.m.

10:05 **BREAK**
a.m.

MANAGEMENT OF SURGICAL COMPLICATIONS

- 10:15 **Introduction**
a.m. Sudish C. Murthy
Cleveland Clinic Foundation
- 10:20 **Protracted Air Leak Following Pulmonary Resection**
a.m. John D. Mitchell
University of Colorado Health Sciences Center
- 10:35 **Bronchopleural Fistula and Empyema**
a.m. Mark S. Allen
The Mayo Clinic
- 10:50 **Vocal Fold Immobility and Paralysis**
a.m. Robert R. Lorenz
Cleveland Clinic Foundation
- 11:05 **Iatrogenic Chylothorax**
a.m. Thomas W. Rice
Cleveland Clinic Foundation
- 11:20 **Anastomotic Leak and Stricture Post Esophagectomy**
a.m. Claude Deschamps
The Mayo Clinic
- 11:35 **The Prevention and Treatment of Post-Thoracotomy Pain**
a.m. Robert J. Cerfolio
University of Alabama at Birmingham
- 11:50 **Discussion**
a.m.
- 12:00 **LUNCH**
p.m.

HOW TO (INSTRUCTIONAL VIDEOS)

- 1:00 **Introduction**
p.m. Sudish C. Murthy
Cleveland Clinic Foundation
- 1:05 **VATS Lobectomy**
p.m. Daniel L. Miller
Emory University School of Medicine
- 1:25 **Transhiatal Esophagectomy**
p.m. Mark B. Orringer
University of Michigan Medical Center
- 1:45 **Cervical Tracheal Resection**
p.m. Douglas J. Mathisen
Massachusetts General Hospital
- 2:05 **Pancoast Resection**
p.m. William R. Smythe
Texas A&M University Health Science Center

- 2:25 **Left Thoracoabdominal Esophagectomy**
p.m. TBD
- 2:45 **Lung Volume Reduction Surgery**
p.m. Joel D. Cooper
Hospital of the University of Pennsylvania

INVESTIGATIONAL THERAPIES

- 3:05 **BREAK**
p.m.
- 3:20 **Introduction**
p.m. Sudish C. Murthy
Cleveland Clinic Foundation
- 3:25 **High Frequency Radio Ablation**
p.m. James D. Luketich
University of Pittsburgh Medical Center
- 3:45 **Robotic Approaches in Thoracic Surgery**
p.m. Kemp H. Kernstine
City of Hope National Medical Center
- 4:05 **Endobronchial Lung Volume Reduction**
p.m. Atul Mehta
Cleveland Clinic Foundation
- 4:25 **Endoscopic Anti-Reflux Procedures**
p.m. Jeffrey Ponsky
University Hospitals Case Medical Center
- 4:45 **Discussion**
p.m.
- 5:00 **ADJOURN TO WELCOME RECEPTION**
p.m. EXHIBIT HALL

SUNDAY, MAY 6, 2007

AATS/STS CONGENITAL HEART SYMPOSIUM

Room 145, Washington Convention Center
Chairman: Charles D. Fraser, *Texas Children's Hospital*

- 7:55 **Welcome**
a.m. Charles D. Fraser
Texas Children's Hospital

Section I Global Congenital Heart Surgery

- 8:00 **Congenital Heart Surgery in Developing Countries**
a.m. Richard A. Jonas
Children's Hospital National Medical Center
- 8:20 **Birth of a New Program - The Kardias Experience**
a.m. Alexis Palacios-Macedo
Instituto Nacional de Pediatría
- 8:40 **Discussion**
a.m.

Section II Techniques in Congenital Heart Surgery

- 9:00 **Valve-Sparing Root Replacement in Children**
a.m. Duke E. Cameron
The Johns Hopkins Hospital
- 9:20 **One-Stage Repair Coarctation/VSD**
a.m. Henry L. Walters, III
Wayne State University School of Medicine
- 9:40 **Reconstructive Methods for Complex Systemic Venous Return**
a.m. Florentino J. Vargas
Hospital de Ninos P. de Elizalde
- 10:00 **Discussion**
a.m.
- 10:20 **BREAK**
a.m.
- 10:40 **Intracardiac Repair of Double Outlet Right Ventricle**
a.m. Francois G. Lacour-Gayet
Children's Hospital Heart Institute
- 11:00 **Transatrial/Transpulmonary Repairs of TOF**
a.m. George E. Sarris
Onassis Cardiac Surgery Center
- 11:20 **Maze Procedure in Single V Patients**
a.m. Carl L. Backer
Children's Memorial Hospital
- 11:40 **Discussion**
a.m.
- 12:00 **LUNCH**
p.m.

Section III Controversies in Congenital Heart Surgery

- 1:00 **Strategy for Physiologic Antegrade Cerebral Perfusion**
p.m. Frank L. Hanley
Stanford University Medical Center
- 1:20 **Perioperative Neuroprotection**
p.m. David P. Nelson
Texas Children's Hospital
- 1:40 **Training and Outcome of the Low Pressure Morphologic Left Ventricle in
CCTGA and Atrially Corrected DTGA**
p.m. William J. Brawn
Birmingham Children's Hospital
- 2:00 **Discussion**
p.m.

Section IV Pediatric Transplantation

- 2:20 **Pediatric Lung Transplantation: A Therapy in its Adolescence**
p.m. E. Dean McKenzie
Baylor College of Medicine

- 2:40 **BREAK**
p.m.
- 3:00 **Recent North American Experience - Berlin Heart**
p.m. James K. Kirklin
University of Alabama at Birmingham
- 3:20 **Discussion**
p.m.

Section V Educating Congenital Heart Surgeons

- 3:40 **ABTS Perspective on the Future of Congenital Heart Surgery Education**
p.m. Edward L. Bove
University of Michigan
- 4:10 **Perspective on Success in Congenital Heart Surgery**
p.m. Aldo R. Castaneda
UNICAR
- 4:40 **Discussion**
p.m.
- 5:00 **ADJOURN TO WELCOME RECEPTION**
p.m. EXHIBIT HALL
*Subject to change

SUNDAY AFTERNOON, MAY 6, 2007

- 3:00 **C. WALTON LILLEHEI RESIDENT FORUM SESSION**
p.m. Room 146, Washington Convention Center
(7 minutes presentation, 8 minutes discussion)
Moderators: John G. Byrne
Mark J. Krasna

L1. Effect of Induction Regimen on Acute Rejection, Bronchiolitis Obliterans, and Survival Following Lung Transplantation

Gorav Ailawadi¹, Philip W. Smith¹, Tomomi Oka¹, Hongkun Wang¹, K Robert Shen¹, Benjamin D. Kozower¹, Thomas M. Daniel¹, Irving L. Kron¹, David R. Jones¹
¹TCV Surgery, University of Virginia, Charlottesville, VA, USA.

L2. Dual Agent Immunosuppression Synergistically Inhibits Nitric Oxide And Endothelin-1 Homeostasis

Danny Ramzy¹, Laura C. Tumiati¹, Ning Xu¹, Elissa Tepperman¹, Rohit Sheshgiri¹, Jessica Jackman¹, Mitesh Badiwala¹, Vivek Rao¹
¹Cardiac Surgery, Toronto General Hospital, Toronto, ON, Canada.

L3. Transmyocardial Revascularization Enhances Myocardial Vasculogenesis and Hemodynamic Function

Pavan Atluri¹, Erik E. Suarez¹, George P. Liao¹, Corinna Panlilio¹, John B. Hye¹, William Hiesinger¹, Jeffrey E. Cohen¹, Maximillian J. Smith¹, Rebecca Levitt¹, Y. Joseph Woo¹
¹Division of Cardiothoracic Surgery, University of Pennsylvania, Philadelphia, PA, USA.

L4. 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.

Leo M. Gazoni¹, Victor E. Laubach¹, Eric Unger¹, Daniel P. Mulloy¹, Turner C. Lisle¹,

Joel Linden¹, Irving L. Kron¹

¹University of Virginia, Charlottesville, VA, USA.

L5. Endothelial Nitric Oxide Synthase G894T Polymorphism Impacts Vascular Resistance and Long-term Outcome for Single Ventricle Patients

Thomas S. Maxey¹, William T. Mahle², Shady M. Eldaif¹, Brian E. Kogon¹, Kirk R. Kanter¹, Mark M. Bouzyk², Paul M. Kirshbom¹

¹Emory University School of Medicine, Atlanta, GA, USA; ²Childrens Healthcare of Atlanta, Atlanta, GA, USA.

L6. Impact of Tumor-Infiltrating T-cells on Survival in Patients with Malignant Pleural Mesothelioma

Masaki Anraku¹, Kristopher S. Cunningham², Zhihong Yun¹, Ming-Sound Tsao², Li Zhang³, Shaf Keshavjee¹, Michael R. Johnston¹, Marc de Perrot¹

¹Division of Thoracic Surgery, Toronto General Hospital, University Health Network, University of Toronto, Toronto, ON, Canada. ²Division of Applied Molecular Oncology, Ontario Cancer Institute, Toronto, ON, Canada. ³Division of Cellular and Molecular Biology, Toronto General Research Institute, Toronto, ON, Canada.

L7. Insulin Treatment Enhances the Myocardial Angiogenic Response in Diabetes

Munir Boodhwani¹, Neel R. Sodha¹, Shu-Hua Xu¹, Shigetoshi Mieno¹, Jun Feng¹, Marc Ruel², Frank W. Sellke¹

¹Beth Israel Deaconess Medical Center, Boston, MA, USA. ²Cardiac Surgery, University of Ottawa Heart Institute, Ottawa, ON, Canada.

L8. Therapeutic Induction Of Heme-Oxygenase-1 In The Heart Using A Hemoglobin-Based Oxygen Carrier

Sagar Damle¹, Ashok N. Babu¹, Ernest E. Moore², Michael Weyant¹, Anirban Banerjee¹, Lihau Ao¹, Jeffrey L. Johnson², Xianzhong Meng¹, David Fullerton¹

¹University of Colorado at Denver, Health Sciences Center, Denver, CO, USA. ²Denver Health Medical Center, Denver, CO, USA.

5:00
p.m.

ADJOURN TO WELCOME RECEPTION

MONDAY, MAY 7, 2007

7:45
a.m.

Business Session (Limited to Members Only)

8:00
a.m.

SCIENTIFIC SESSION

(8 minutes presentation, 12 minutes discussion)

Ballroom A/B, Washington Convention Center

Moderators: Bruce W. Lytle

Irving L. Kron

1. Abstract was withdrawn from presentation by request of the author

2. One or two ventricles in critical aortic stenosis? The disproportionate impact of pursuing biventricular repair in borderline cases

Edward J. Hickey¹, Christopher A. Caldarone¹, Eugene H. Blackstone², Gary K. Lofland³, Thomas Yeh⁴, Christo I. Tchervenkov⁵, Christian Pizarro⁶, Frank A. Pigula⁷, Brian W. McCrindle¹

¹The Hospital for Sick Children, Toronto, ON, Canada. ²The Cleveland Clinic Foundation, Cleveland, OH, USA. ³Children's Mercy Hospital, Kansas City, MO, USA. ⁴University of Texas, Southwestern Medical Center, Dallas, TX, USA. ⁵Montreal Children's Hospital, Montreal, QC, Canada. ⁶Alfred DuPont Hospital for Children,

Wilmington, DE, USA. ⁷Children's Hospital Boston, Boston, MA, USA
Invited Discussant: Edward L. Bove

3. Data from the STS General Thoracic Database: The Surgical Management of Primary Lung Tumors

Daniel Boffa², Joshua D. Grab⁵, Mark S. Allen¹, Henning A. Gaissert⁴, David H. Harpole³, Cameron D. Wright⁴

¹Mayo Clinic, Rochester, MN, USA. ²Cleveland Clinic, Cleveland, OH, USA. ³Duke University Medical Center, Durham, NC, USA. ⁴Massachusetts General Hospital, Boston, MA, USA. ⁵Duke Clinical Research Institute, Durham, NC, USA

Invited Discussant: Valerie W. Rusch

4. Long-term results of the open stent grafting technique for extended aortic arch disease

Kazuo Shimamura¹, Toru Kuratani¹, Goro Mastumiya¹, Masaaki Kato³, Hiroshi Takano², Yoshiki Sawa¹

¹Department of cardiovascular surgery, Osaka university graduate school of medicine, Osaka, Japan. ²Osaka General Medical Center, Osaka, Japan. ³Morinomiya Hospital, Osaka, Japan

Invited Discussant: John A. Elefteriades

9:20
a.m.

INTERMISSION

VISIT EXHIBITS

Exhibit Hall E, Washington Convention Center

10:05
a.m.

BASIC SCIENCE LECTURE

Ballroom A/B, Washington Convention Center

Nanotechnology - Impact on Cardiovascular Medicine

Steven R. Bailey, *University of Texas*

Introduced By: Bruce W. Lytle

10:45
a.m.

SCIENTIFIC SESSION

Moderators: D. Craig Miller
Irving L. Kron

5. Cusp repair in aortic valve reconstruction; Does the technique affect stability?

Diana Aicher¹, Frank Langer¹, Oliver Adam¹, Dietmar Tscholl¹, Henning Lausberg¹, Hans-Joachim SchÄpfers¹

¹Department of Thoracic- and Cardiovascular Surgery, University-Hospital Homburg/Saar, Germany, Homburg, Germany

Invited Discussant: Christopher M. Feindel

6. The Role of TEG in Directing Blood Product Usage in Infant Open-heart Surgery

Eric Mendeloff¹, George Glenn¹, Paul Tavakolian², Eugene Lin², Allison E. Leonard², Syma L. Prince², John Kampine¹, Morley A. Herbert¹

¹Medical City Children's Hospital, Dallas, TX, USA. ²CRSTI, Dallas, TX, USA

Invited Discussant: Andrew S. Wechsler

11:25
a.m.

PRESIDENTIAL ADDRESS

Bruce W. Lytle
Cleveland, OH

Introduced by: D. Craig Miller

12:30
p.m.

ADJOURN FOR LUNCH

VISIT EXHIBITS

Exhibit Hall, Washington Convention Center

MONDAY AFTERNOON, MAY 7, 2007

1:45
p.m.

SIMULTANEOUS SCIENTIFIC SESSION - ADULT CARDIAC SURGERY

(8 minutes presentation, 12 minutes discussion)

Room 146, Washington Convention Center

Moderators: Ludwig K. Von Segesser
Christopher M. Feindel

7. Sustained Mild Hypothermia and Neurocognitive Function Following Coronary Artery Bypass Surgery: A Randomized, Double-Blind Study

Munir Boodhwani¹, Fraser D. Rubens¹, Denise Wozny¹, Rosendo Rodriguez¹, Howard J. Nathan¹

¹Cardiac Surgery, University of Ottawa Heart Institute, Ottawa, ON, Canada.

Invited Discussant: Jonathan A. Hammond

8. Adverse Events during Reoperative Cardiac Surgery: Frequency, Impact, and Rescue

Eric E. Roselli¹, B. Gosta Pettersson¹, Eugene H. Blackstone¹, Mariano E. Brizzio¹, Penny L. Houghtaling², Regina Hauck², Jacob M. Burke², Bruce W. Lytle¹

¹Department of Thoracic and Cardiovascular Surgery, Cleveland Clinic, Cleveland, OH, USA. ²Cleveland Clinic, Cleveland, OH, USA

Invited Discussant: Irving L. Kron

9. Left atrial volume reduction (LA-VR) helps restore atrial booster and reservoir functions after the Cox-Maze procedure (MAZE) - A study by magnetic resonance imaging (MRI)

Akira Marui¹, Keiichi Tambara¹, Yoshiaki Saji¹, Nozomu Sasahashi¹, Tadashi Ikeda¹, Takeshi Nishina¹, Masashi Komeda¹

¹Kyoto University Graduate School of Medicine, Kyoto, Japan

Invited Discussant: Ralph J. Damiano, Jr.

10. Port-Access Surgery As Elective Approach For Mitral Valve Operation In Redo Procedure: A Single Center Experience

Mario Vigan ², Davide Ricci¹, Andrea M. D'Armini¹, Carlo Pellegrini¹, Alessia Alloni¹, Barbara Cattadori¹, Patrizio Spreafico¹, Laura Riva¹

¹Foundation Policlinico San Matteo - University of Pavia, Pavia, Italy

Invited Discussant: Joseph F. Sabik, III

3:05
p.m.

INTERMISSION

VISIT EXHIBITS

Exhibit Hall, Washington Convention Center

3:40
p.m.

SIMULTANEOUS SCIENTIFIC SESSION - ADULT CARDIAC SURGERY

Room 146, Washington Convention Center

Moderators: Ludwig K. Von Segesser
Christopher M. Feindel

11. Clinical Effect of Significant Myocardial Atrophy on Peri-operative Outcome following Pericardiectomy due to Chronic Constrictive Pericarditis

Ruoyu Zhang¹, Axel Haverich¹, Shrestha Malakh¹, Christoph Bara¹

¹Division of Thoracic and Cardiovascular Surgery, Medical School Hannover, Hannover, Germany

Invited Discussant: Hartzell V. Schaff

12. Transplant Should Not Be Delayed While Awaiting Functional Recovery in Patients on Mechanical Circulatory Support

Nicholas G. Smedira¹, Katherine J. Hoercher¹, Jing Feng¹, Gonzalo Gonzalez-Stawinski¹, Randall C. Starling¹, Eugene H. Blackstone¹

¹Cleveland Clinic, Cleveland, OH, USA

Invited Discussant: James K. Kirklin

13. When Should Valve Replacement be Performed in Patients with Asymptomatic Severe Aortic Stenosis?

Morgan L. Brown¹, Patricia A. Pellikka², Hartzell V. Schaff¹, Christopher G. Scott³, Charles J. Mullany¹, Thoralf M. Sundt¹, Joseph A. Dearani¹, Richard C. Daly¹, Thomas A. Orszulak¹

¹Cardiovascular Surgery, Mayo Clinic, Rochester, MN; ²Mayo Clinic - Cardiovascular Medicine, Rochester, MN; ³Mayo Clinic - Biostatistics, Rochester, MN

Invited Discussant: Michael A. Acker

14. Treatment of Type II Endoleaks Associated With Left Subclavian Artery Coverage During Thoracic Aortic Stent Grafting

Mark D. Peterson¹, Grayson H. Wheatley¹, Jacques Kpodonu¹, James P. Williams¹, Venkatesh G. Ramaiah¹, Julio A. Rodriguez-Lopez¹, Edward B. Diethrich¹

¹Cardiovascular Surgery, Arizona Heart Institute, Phoenix, AZ, USA

Invited Discussant: John A. Kern

5:00
p.m.

ADJOURN

MONDAY AFTERNOON, MAY 7, 2007

1:45
p.m.

SIMULTANEOUS SCIENTIFIC SESSION - GENERAL THORACIC SURGERY

(8 minutes presentation, 12 minutes discussion)

Room 147, Washington Convention Center

Moderators: Cameron D. Wright
James D. Luketich

15. The impact of lymph node station on survival in 348 surgically resected malignant pleural mesothelioma (MPM) patients: implications for revision of the AJCC staging system

Raja M. Flores¹, Thomas A. Routledge¹, Ennapadam Venkatraman¹, Joseph Dycoco¹, Yael Hirth¹, Valerie W. Rusch¹

¹Memorial Sloan-Kettering Cancer Center, New York, NY, USA

Invited Discussant: W. Roy Smythe

16. Feasibility of multimodality therapy including extended resections in Stage IVA thymoma

James Huang¹, Nabil Rizk¹, Bernard Park¹, Manjit Bains¹, Raja Flores¹, Robert Downey¹, Valerie Rusch¹

¹Thoracic Service, Memorial Sloan-Kettering Cancer Center, New York, NY, USA

Invited Discussant: Cameron D. Wright

17. Is palpation of the non-resected lobe(s) required for patients with non-small cell lung cancer? A prospective study

Robert J. Cerfolio¹, Ayesha Bryant¹

¹Surgery, Univer of Alabama at Birmingham, Birmingham, AL, USA

Invited Discussant: Thomas A. D'Amico

18. Surgical Treatment of Solitary Fibrous Tumors of the Pleura: Outcome and Long-Term Prognosis

Karen M. Harrison-Phipps¹, Francis C. Nichols¹, Paul H. Schipper¹, Mark S. Allen¹, Stephen D. Cassivi¹, Claude Deschamps¹, Cathy D. Schleck¹, Dennis Wigle¹, Peter C. Pairolero¹

*¹Mayo Clinic College of Medicine, Rochester, MN, USA
Invited Discussant: Robert J. Downey*

19. Stereotactic Radio Surgery For The Treatment Of Stage I Non-small Cell Lung Cancer In High-Risk Patients

ARJUN PENNATHUR¹, Steve A. Burton¹, James D. Luketich¹, Ghulam Abbas¹, Mang Chen¹, Dwight E. Heron¹, William E. Gooding¹, Cihat Ozhasoglu¹, Rodney J. Landreneau¹, Neil A. Christie¹
¹University of Pittsburgh Medical Center, PITTSBURGH, PA, USA
Invited Discussant: Jack A. Roth

3:25
p.m.

INTERMISSION

VISIT EXHIBITS

Exhibit Hall, Washington Convention Center

4:00
p.m.

SIMULTANEOUS SCIENTIFIC SESSION - GENERAL THORACIC SURGERY

Room 147, Washington Convention Center

Moderators: Cameron D. Wright
James D. Luketich

20. Lung Transplantation in Older Patients?

Sam Bastani¹, Rajan Saggar², Ramin Beygui¹, David J. Ross², Joseph P. Lynch², Gabriel T. Schnickel¹, Abbas Ardehali¹
¹Division of Cardiac Surgery, David Geffen School of Medicine at University of California, Los Angeles, Los Angeles, CA, USA. ²Division of Pulmonary and Critical Care Medicine, David Geffen School of Medicine at University of California, Los Angeles, Los Angeles, CA, USA.
Invited Discussant: John C. Wain

21. The Impact of the Lung Allocation Score on Short-Term Transplantation Outcomes: A Multicenter Review

Benjamin D. Kozower¹, Bryan F. Meyers², Michael A. Smith³, Nilto C. De Oliveira⁴, Stephen D. Cassivi⁵, Tracey J. Guthrie², Mark R. Conaway¹, Beverly J. Ryan¹, K. Robert Shen¹, David R. Jones¹
¹Surgery, University of Virginia, Charlottesville, VA, USA. ²Washington University in St. Louis, St. Louis, MO, USA. ³University of Southern California, Los Angeles, CA, USA. ⁴University of Wisconsin, Madison, WI, USA. ⁵Mayo Clinic, Rochester, MN, USA
Invited Discussant: Kenneth R. McCurry

22. Postpneumonectomy Syndrome: Surgical Management and Long-Term Results

K. Robert Shen¹, John C. Wain¹, Cameron D. Wright¹, Hermes C. Grillo¹, Douglas J. Mathisen¹
¹Massachusetts General Hospital, Boston, MA, USA.
Invited Discussant: Sudish C. Murthy

5:00
p.m.

ADJOURN

MONDAY AFTERNOON, MAY 7, 2007

1:45
p.m.

SIMULTANEOUS SCIENTIFIC SESSION - CONGENITAL HEART DISEASE

(8 minutes presentation, 12 minutes discussion)
Room 145, Washington Convention Center

Moderators: Scott M. Bradley
Joseph A. Dearani

23. Case-mix Complexity Adjustment using both RACHS-1 and Aristotle applied to 45635 Operations in the STS Congenital Database

Jeffrey P. Jacobs¹, Marshall L. Jacobs², Francois G. Lacour-Gayet³, Kathy Jenkins⁴, Kimberlee Gauvreau⁴, Emile Bacha⁴, Bohdan Maruszewski⁵, David R. Clarke³, Christo I. Tchervenkov⁶, J. William Gaynor⁷, Thomas L. Spray⁷, Giovanni Stellin⁸, Martin J. Elliott⁹, Constantine Mavroudis¹⁰

¹The Congenital Heart Institute of Florida (CHIF), University of South Florida (USF), Saint Petersburg and Tampa, FL, USA. ²St Christopher's Hospital for Children, Drexel University College of Medicine, Philadelphia, PA, USA. ³Denver Children's Hospital, University of Colorado School of Medicine, Denver, CO, USA. ⁴Boston Children's Hospital, Harvard University, Boston, MA, USA. ⁵Children's Memorial Health Institute, Warsaw, Poland. ⁶Montreal Children's Hospital, McGill University, Montreal, QC, Canada. ⁷The Cardiac Center at The Children's Hospital of Philadelphia, Philadelphia, PA, USA. ⁸University of Padova Medical School, Padova, Italy. ⁹Great Ormond Street Hospital for Children, London, United Kingdom. ¹⁰Children's Memorial Hospital, Northwestern University Feinberg School of Medicine, Chicago, IL, USA

Invited Discussant: William G. Williams

24. Surgical treatment of congenital mitral valve disease: Mid-term results of a repair-orientated policy

Guido Oppido¹, Ben Davies¹, D. Michael McMullan¹, Andrew D. Cochrane¹, Michael M. Cheung², Yves d'Udekem¹, Christian P. Brizard¹

¹Cardiac Surgical Unit, Royal Children's Hospital, Melbourne, Australia, Melbourne, VIC, Australia. ²Royal Children's Hospital, Melbourne, Australia - Cardiology Unit, Melbourne, VIC, Australia

Invited Discussant: John J. Lamberti

25. A New Procedure for Ebstein's Anomaly

Qingyu Wu¹

¹Heart Center, First Hospital of Tsinghua University, Beijing 100016 China

Invited Discussant: Joseph A. Dearani

2:45
p.m.

**INTERMISSION
VISIT EXHIBITS**

Exhibit Hall, Washington Convention Center

3:20
p.m.

SIMULTANEOUS SCIENTIFIC SESSION - CONGENITAL HEART DISEASE

Room 145, Washington Convention Center

Moderators: Scott M. Bradley
Joseph A. Dearani

26. Fate of the right ventricle after fenestrated right ventricular exclusion for severe neonatal Ebstein's

Brian L. Reemtsen¹, Anastasios C. Polimenakos¹, Brian T. Fagan¹, Winfield J. Wells¹, Vaughn A. Starnes¹

¹Department of Cardiothoracic Surgery, Children's Hospital Los Angeles, Los Angeles, CA, USA. ²Keck School of Medicine of the University of Southern California, Los Angeles, CA, USA

Invited Discussant: V. Mohan Reddy

27. The Modified Ross-Konno Procedure for the Treatment of Aortic Valve Disease associated with Left Ventricular Outflow Tract Obstruction and/or Annular Hypoplasia

Zohair Yousef Al Halees¹, Saud Al Oufi¹, Ahmed Al Omrani¹, Maie Shahid¹, Mohammed Al Amri¹, Bahaa Michel Fadel¹

¹King Faisal Heart Institute, King Faisal Specialist Hospital and Research Center, Riyadh, Saudi Arabia

Invited Discussant: Pedro J. del Nido

28. Strategy for Biventricular Outflow Tract Reconstruction: Rastelli, REV, or Nikaidoh Procedure?

Zhi Gang Liu¹, Sheng Shou Hu¹

¹Pediatric cardiovascular surgery, The National Cardiovascular Institute, Fu Wai Hospital Beijing, Beijing, China

Invited Discussant: Marshall L. Jacobs

29. Durability of Hand Sewn Valves in the Right Ventricular Outlet

Graham R. Nunn¹, Jayme Bennetts¹, E.Onukul¹

¹Paediatric Cardiac Surgery, The Childrens Hospital at Westmead, Sydney, NSW, Australia.

Invited Discussant: John W. Brown

30. Aprotinin is Safe in Pediatric Patients Undergoing Cardiac Surgery

Carl L. Backer¹, Angela M. Kelle¹, Robert D. Stewart¹, Sunitha C. Suresh¹, Farah N. Ali², Constantine Mavroudis¹

¹Division of Cardiovascular-Thoracic Surgery, Department of Surgery, Northwestern University Feinberg School of Medicine, Children's Memorial Hospital, Chicago, IL, USA. ²Division of Nephrology, Department of Pediatrics, Northwestern University Feinberg School of Medicine, Children's Memorial Hospital, Chicago, IL, USA

Invited Discussant: James S. Tweddell

5:00
p.m.

ADJOURN

TUESDAY MORNING, MAY 8, 2007

7:00
a.m.

CARDIAC SURGERY FORUM SESSION

(5 minutes presentation, 7 minutes discussion)

Room 145, Washington Convention Center

Moderators: Vaughn A. Starnes
Soichiro Kitamura

F1. Regional Remodeling Strain and its Association with Myocardial Apoptosis Post-Myocardial Infarction in Ovine Model

Godfred K. Yankey¹, Tieluo Li¹, Ahmet Kilic¹, Sina Moainie¹, Nathan Weidenhamer¹, Timothy Nolan¹, Guangming Cheng¹, Deyanira Prastein¹, Gary Schwartzbauer¹, Zhongjun Wu¹, Bartley Griffith¹

¹University of Maryland, Baltimore, MD, USA

Invited Discussant: Robert C. Gorman

F2. Aprotinin confers neuroprotection by reducing excitotoxic cell death

Yusuke Iwata¹, Olivier Nicole², David Zurakowski¹, Toru Okamura¹, Richard A. Jonas¹

¹Children's National Heart Institute, Washington, DC, USA. ²UMR-CNRS 6185, Universit  Caen, Caen, France

Invited Discussant: John V. Conte

F3. Concomitant Treatment with Oral L-Arginine Improves the Efficacy of Surgical Angiogenesis in Patients with End-Stage Coronary Artery Disease: The Endothelial Modulation in Angiogenic Therapy (EMAT) Triple-Blind Randomized Controlled Trial

Marc Ruel¹, Vincent Chan¹, Erik J. Suuronen¹, Fraser D. Rubens¹, Frank W. Sellke², Nancy Camack³, Duncan J. Stewart³, Robert S. Beanlands¹, Thierry G. Mesana¹

¹University of Ottawa Heart Institute, Ottawa, ON, Canada. ²Beth Israel Deaconess Medical Center - Harvard Medical School, Boston, MA, USA. ³St. Michael's Hospital - University of Toronto, Toronto, ON, Canada

Invited Discussant: Todd K. Rosengart

F4. Robotic totally endoscopic coronary artery bypass -A word of caution implicated by a five-year follow up

Utz Kappert¹, Sems M. Tugtekin¹, Romuald Cichon¹, Klaus E. Matschke¹

¹Kardiologie, Herzzentrum Dresden, Dresden, Germany

Invited Discussant: Ralph J. Damiano, Jr.

F5. The Effects of "Pure" Mitral Regurgitation on Mitral Annular Dynamics

Tom C. Nguyen¹, Akinobu Itoh¹, Robert A. Oakes¹, Tomasz A. Timek¹, Daniel B.

Ennis¹, David Liang¹, George T. Daughters², Neil B. Ingels², David C. Miller¹

¹Stanford University, Stanford, CA, USA. ²Research Institute of the Palo Alto Medical Foundation, Palo Alto, CA, USA

Invited Discussant: Joseph H. Gorman, III

F6. RIFLE Criteria for Renal Dysfunction in Arch Aortic Surgery

George J. Arnaoutakis¹, Tomas D. Martin¹, Phillip J. Hess¹, Charles T. Klodell¹,

Curtis G. Tribble¹, Cyndi Garvan¹, Thomas M. Beaver¹

¹Thoracic and Cardiovascular Surgery, University of Florida, Gainesville, FL, USA

Invited Discussant: R. Scott Mitchell

F7. New Insights in the Mechanisms of Smooth Muscle Cell Apoptosis in Ascending Aortic Dilatation with Bicuspid and Tricuspid Aortic Valve Stenosis: Possible Key-Role of Cell-Matrix Interactions

Alessandro Della Corte¹, Cesare Quarto¹, Clotilde Castaldo², Franca Di Meglio²,

Daria Nurzynska², Luca S. De Santo¹, Marisa De Feo¹, Michelangelo Scardone¹,

Stefania Montagnani², Maurizio Cotrufo¹

¹Department of Cardiothoracic and Respiratory Sciences, Second University of Naples, Naples, Italy. ²Federico II' University - Department of Biomorphological and Functional Sciences, Naples, Italy

Invited Discussant: John S. Ikonomidis

F8. MRI Assessment of Reverse Left Ventricular Remodeling Late After Restrictive Mitral Annuloplasty in Dilated Cardiomyopathy

Jerry Braun¹, Jos J. Westenberg¹, Nico R. van de Veire¹, Stijnje D. Roes¹, Rob J. van

der Geest¹, Albert de Roos¹, Ernst E. van der Wall¹, Johan H. Reiber¹, Jeroen J. Bax¹,

Robert A. Dion¹

¹Leiden University Medical Center, Leiden, Netherlands.

Invited Discussant: Michael A. Acker

F9. Gene Array Analysis of a Rat Model of Pulmonary Arteriovenous Malformations after Superior Cavopulmonary Anastomosis

Brian W. Duncan¹, Russell S. Tipps¹, Patrick Leahy², Muhammad A. Mumtaz¹

¹Pediatric and Congenital Heart Surgery, Children's Hospital, Cleveland Clinic,

Cleveland, OH, USA. ²Comprehensive Cancer Center, Case Western Reserve

University School of Medicine and University Hospital, Cleveland, OH, USA.

Invited Discussant: Frank J. Sellke

F10. Improved Management of Systemic Venous Anomalies in Single Ventricle: New Rationale

Antonio Amodeo¹, Mauro Grigioni², Sergio Filippelli¹, Giuseppe D'avenio², Roberto M. Di Donato¹

¹Ospedale Bambino Gesù¹, Rome, Italy. ²Istituto Superiore di Sanità², Rome, Italy
Invited Discussant: Emile A. Bacha

TUESDAY MORNING, MAY 8, 2007

7:00 **GENERAL THORACIC FORUM SESSION**

a.m. (5 minutes presentation, 7 minutes discussion)
Room 147, Washington Convention Center

Moderators: Thomas A. D'Amico
David S. Schrump

F11. Surgical Resection Normalizes the Hemangiogenic Profile in Patients with Non-Small Cell Lung Cancer

David Jin¹, Jeffrey L. Port¹, Robert Korst¹, Paul Lee¹, Li Zhang¹, Kathleen A. McDonald¹, Cathy A. Ferrara¹, Danish Meherally¹, Shahin Rafii¹, Nasser Altorki¹
¹Cardiothoracic Surgery, Weill Medical College of Cornell University, New York, NY, USA

Invited Discussant: Michael Lanuti

F12. Proteomic Analysis of Resectable Non-Small Cell Lung Cancer: Potential Markers for Diagnosis, Prognosis and Screening

Aiman Alzetani¹, Sridhar Rathinam¹, Nicholas D. James², Douglas G. Ward², Jane Starczynski¹, Ashley Martin², Philip J. Johnson², Pala B. Rajesh¹
¹Heart of England NHS Foundation Trust, Birmingham, United Kingdom. ²Cancer Research UK Institute for Cancer Studies, Birmingham, United Kingdom

Invited Discussant: David H. Harpole

F13. Extracorporeal Lung Membrane Enables Superior Lung Protection For Post-Pneumonectomy Non-Cardiogenic Acute Respiratory Distress Syndrome

Manoli Iglesias¹, Phillipp Jungebluth¹, Purificacion Matute¹, Irene Rovira¹, Elisabeth Martinez¹, Carole Petit¹, Paolo . Macchiarini¹
¹General Thoracic Surgical Experimental Laboratory, University of Barcelona, Barcelona, Spain

Invited Discussant: Michael S. Mulligan

F14. Antigen-specific CD8+ Cell Responses in Patients with Esophageal Carcinoma

¹Cardiothoracic Surgery, Weill Medical College of Cornell University, New York, NY, USA

Invited Discussant: Ara A. Vaporciyan

F15. MicroRNA Expression Profiles in Esophageal Cancer

Virginia R. Litle¹, Andrew Feber¹, Liqiang Xi¹, James D. Luketich², Arjun Pennathur², Rodney J. Landreneau², Maoxin Wu¹, Scott J. Swanson¹, Tony E. Godfrey¹
¹Cardiothoracic Surgery, Mount Sinai Medical Center, New York, NY, USA. ²University of Pittsburgh, Pittsburgh, PA, USA

Invited Discussant: Nasser K. Altorki

F16. Inhaled Prostacyclin Can Improve Pulmonary Hypertension in Acutely Decompensated Patients

George Comas¹, Steve Xydas¹, Kyle Glithero¹, Jonathan Chang¹, Alexandra Stylianos¹, Christina Lesch¹, Eileen Barnwell¹, Amy Dzierba¹, Ervant Nishanian¹, Robert Sladen¹, Mehmet Oz¹

¹Columbia University Medical Center, New York, NY, USA

Invited Discussant: John C. Wain

F17. A Simple Two-Gene Molecular Prognostic Model for Adenocarcinoma of the Lung

Carolyn E. Reed¹, Amanda Graham¹, Michael B. Wallace², Rana S. Hoda¹, Andras Khoo², Michael Mitas¹

¹Surgery, Medical University of South Carolina, Charleston, SC, USA. ²Mayo Clinic, Jacksonville, FL, USA

Invited Discussant: Virginia Litle

F18. Evaluating the Effects of a Dual Inhibitor of COX-1/COX-2 vs. a Selective COX-2 Inhibitor on Benzo[a]pyrene-Induced Neoplasia of the Forestomach and Lung

Mariana S. De Lorenzo¹, Kotha Subbaramaiah¹, Nasser K. Altorki¹, Madhu Mazumdar³, Levy Kopelovich², Krista M. La Perle⁴, Andrew J. Dannenberg¹, Jeffrey L. Port¹

¹CT Surgery, Weill Cornell, New York, NY, USA. ²NCI, Bethesda, MD, USA. ³Dept. of Biostatistics Weill Cornell, New York, NY, USA. ⁴Dept. of Comparative Pathology Weill Cornell, New York, NY, USA

Invited Discussant: Dao M. Nguyen

F19. The Effects Of Bone Wax And Ostene®, A Newly Available Water-Soluble Synthetic Bone Hemostasis Material, On Sternal Healing Following Median Sternotomy In An Animal Model

Jonathan K. Armstrong¹, Timothy C. Fisher¹, John S. Cambridge¹, Qian Kang², Yuehuei H. An², Xuejun Wen², Tadeusz Wellisz¹

¹Keck School of Medicine, University of Southern California, Los Angeles, CA, USA. ²Medical University of South Carolina, Charleston, SC, USA

Invited Discussant: Todd L. Demmy

F20. A Novel Vascularized Graft for Replacement of Long Tracheal Defects

Igor Tudorache¹, Serghei Cebotari¹, Bettina Giere¹, Reinhard von Wasielewski¹, Jens Gottlieb¹, Andres Hilfiker¹, Axel Haverich¹

¹Hanover Medical School, Hanover, Germany

Invited Discussant: Simon K. Ashiku

TUESDAY MORNING, MAY 8, 2007

9:00 a.m. **SCIENTIFIC SESSION**
(8 minute presentation, 12 minutes discussion)
Ballroom A/B, Washington Convention Center
Moderators: Bruce W. Lytle
Irving L. Kron

31. Is Survival Always Better after Valve Repair than after Valve Replacement for Degenerative Mitral Valve Disease?

A.Marc Gillinov¹, Eugene H. Blackstone¹, Edward R. Nowicki¹, Worawong Slisatkorn¹, Ghannam Al Dossari², Douglas R. Johnston¹, Kristopher M. George¹, Penny L. Houghtaling², Brian Griffin², Joseph F. Sabik¹, Lars G. Svensson¹

¹Thoracic and Cardiovascular Surgery, Cleveland Clinic, Cleveland, OH, USA. ²Cleveland Clinic, Cleveland, OH, USA

Invited Discussant: Tirone E. David

32. Extrapleural Pneumonectomy (EPP) versus Pleurectomy/Decortication (P/D) in the surgical management of malignant pleural mesothelioma (MPM): results in 663 patients

Raja M. Flores¹, Harvey I. Pass², Ennapadam Venkatraman¹, Joseph Dycoco¹, Manjit Bains¹, Valerie Rusch¹

¹Memorial Sloan-Kettering Cancer Center, New York, NY, USA. ²New York

University Medical Center, New York, NY, USA

Invited Discussant: David J. Sugarbaker

33. EBUS-TBNA for Mediastinal Restaging

Mark Krasnik¹, Armin Ernst¹, Ralf Eberhardt¹, K. Yasufuku¹, Felix Herth¹

¹Thoracic and Cardiovascular Surgery, Gentofte University Hospital, Copenhagen, Denmark

Invited Discussant: James D. Luketich

34. Evolving arch surgery using integrated antegrade selective cerebral perfusion; impact of axillary artery perfusion

Hitoshi Ogino¹, Hiroaki Sasaki¹, Kenji Minatoya¹, Hitoshi Matsuda¹, Hirotaka Watanuki¹, Soichiro Kitamura¹

¹Cardiovascular Surgery, National Cardiovascular Center, Suita, Japan

Invited Discussant: Joseph S. Coselli

35. Long-Term Outcome of Operation for Ebstein's Anomaly

ML Brown, JA Dearani, DJ Driscoll, F Cetta, HM Connolly, CA Warnes, GK Danielson

Invited Discussant: Vaughn A. Starnes

10:40

INTERMISSION

a.m.

VISIT EXHIBITS

Exhibit Hall

11:25

AWARD PRESENTATIONS

a.m.

Ballroom A/B Washington Convention Center

11:40

ADDRESS BY HONORED SPEAKER

a.m.

TBD

Introduced By: Bruce W. Lytle

12:20

ADJOURN FOR LUNCH

p.m.

VISIT EXHIBITS

Exhibit Hall, Washington Convention Center

CARDIOTHORACIC RESIDENTS' LUNCHEON

Washington Convention Center

ACADEMIC LEADERSHIP LUNCHEON

Washington Convention Center

TUESDAY AFTERNOON, MAY 8, 2007

2:00

SIMULTANEOUS SCIENTIFIC SESSION - ADULT CARDIAC SURGERY

p.m.

(8 minutes presentation, 12 minutes discussion)

Room 146, Washington Convention Center

Moderators: Ralph J. Damiano, Jr.

Joseph F. Sabik, III

36. Is recurrence of mitral valve regurgitation more frequent in Barlow Disease than in Fibroelastic Deficiency postrepair?

Willem Flameng¹, Bart Meuris¹, Paul Herijgers¹, Marie-Christine Herregods¹

¹Cardiac Surgery, University Hospitals Leuven, Leuven, Belgium

Invited Discussant: Aubrey C. Galloway

37. The Occasional Open Heart Surgeon Revisited

Joseph S. Carey¹, Joseph Parker²

¹California Society of Thoracic Surgeons, Torrance, CA, USA. ²Office of Statewide

Health Planning and Development, Sacramento, CA, USA
Invited Discussant: Ludwig K. Von Segesser

38. Development of collateral blood supply for spinal cord immediately after descending or thoracoabdominal repair with selective reconstruction of Adamkiewicz artery

Satoshi Saito¹, Shigeyuki Aomi¹, Hiroyuki Tomioka¹, Hiromi Kurosawa¹
¹Department of Cardiovascular Surgery, Tokyo Women's Medical University, Tokyo, Japan
Invited Discussant: Joseph E. Bavaria

39. Preoperative Hemoglobin A1c Level Is More Predictive Than Diagnosis Of Diabetes For Adverse Events Following Coronary Artery Bypass Surgery

Michael E. Halkos¹, Vinod H. Thourani¹, Omar M. Lattouf¹, Patrick Kilgo², Faraz Kerendi¹, Robert A. Guyton¹, John D. Puskas¹
¹Emory University School of Medicine, Atlanta, GA, USA. ²Emory University Rollins School of Public Health, Atlanta, GA, USA
Invited Discussant: Harold L. Lazar

3:20
p.m.

INTERMISSION
VISIT EXHIBITS
Exhibit Hall, Washington Convention Center

3:55
p.m.

SIMULTANEOUS SCIENTIFIC SESSION
Room 146, Washington Convention Center
Moderators: Ralph J. Damiano, Jr.
Joseph F. Sabik, III

40. Reliability of Risk Algorithms in Predicting Early and Late Operative Outcomes in High Risk Patients Undergoing Aortic Valve Replacement

Todd M. Dewey², David Brown², William H. Ryan³, Morley A. Herbert², Syma L. Prince¹, Michael J. Mack²
¹CRSTI, Dallas, TX, USA. ²Medical City Dallas Hospital, Dallas, TX, USA. ³Presbyterian Hospital of Dallas, Dallas, TX, USA
Invited Discussant: Eugene H. Blackstone

41. Mid-term Angiographic Follow-up After Off-Pump Coronary Artery Bypass; Serial Comparisons Using the Early, One-year, and Five-year Postoperative Angiographies

Ki-Bong Kim¹, Kwang R. Cho¹, Dong S. Jeong¹
¹Seoul National University Hospital, Seoul, South Korea
Invited Discussant: Brian F. Buxton

42. Surgical Outcomes Following the Cox-Maze Procedure: The Importance of Isolating the Posterior Left Atrium

Rochus K. Voeller¹, Marci S. Bailey¹, Andreas Zierer¹, Shelly C. Lall¹, Shun-ichiro Sakamoto¹, Kristen A. Aubuchon¹, Marc R. Moon¹, Richard B. Schuessler¹, Ralph J. Damiano¹
¹Cardiothoracic Surgery, Washington University School of Medicine, Saint Louis, MO, USA
Invited Discussant: Ottavio R. Alfieri

5:00
p.m.

EXECUTIVE SESSION
(Members Only)
Room 146, Washington Convention Center

TUESDAY AFTERNOON, MAY 8, 2007

2:00
p.m.

SIMULTANEOUS SCIENTIFIC SESSION - GENERAL THORACIC SURGERY

(8 minutes presentation, 12 minutes discussion)
Room 147, Washington Convention Center

Moderators: Valerie W. Rusch
Douglas E. Wood

43. Quality of Life Outcomes are Equivalent after Lobectomy in the Elderly

William R. Burfeind¹, Betty C. Tong¹, Erin E. O'Branski¹, Eric M. Toloza¹, Thomas A. D'Amico¹, Linda H. Harpole², David H. Harpole¹

¹Thoracic Surgery, Duke University, Durham, NC, USA. ²Glaxo Smith Kline, Research Triangle Park, NC, USA

Invited Discussant: Francis C. Nichols

44. Multifocal Neoplasia in T1 Esophageal Carcinoma: Implications for Endoscopic Treatment

Nasser K. Altorki¹, Jeffrey L. Port¹, Paul C. Lee¹, Yaakov Liss¹, Danish Meherally¹, David Jin¹, Robert J. Korst¹

¹CT Surgery, Weill Cornell, New York, NY, USA

Invited Discussant: Thomas W. Rice

45. The Effect of Combined Modality Therapy on Quality of Life in Esophageal Cancer

Najib Safieddine¹, Jennifer Knox¹, Rebecca Wong¹, Wei Xu¹, Jennifer Hornby¹, Shaf Keshavjee¹, Gail Darling¹

¹University of Toronto, Toronto, ON, Canada

Invited Discussant: Kenneth A. Kessler

3:00
p.m.

INTERMISSION

VISIT EXHIBITS

Exhibit Hall, Washington Convention Center

3:35
p.m.

SIMULTANEOUS SCIENTIFIC SESSION - GENERAL THORACIC SURGERY

Room 147, Washington Convention Center

Moderators: Valerie W. Rusch
Douglas E. Wood

46. Traumatic Diaphragmatic Injury: The Influence of Associated Injuries on Mortality

Wael Hanna¹, Lorenzo Ferri¹, David Mulder¹

¹McGill University, Montreal, QC, Canada.

Invited Discussant: Peter F. Ferson

47. Thoracoscopic Sympathetic Clipping for Hyperhidrosis: Long-term Results and Reversibility

Hiroshi Sugimura¹, Ernst H. Spratt¹, Christopher G. Compeau¹, Yaron Shargall¹

¹Division of Thoracic Surgery, Department of Surgery, University of Toronto, St. Joseph's Health Centre, Toronto, ON, Canada

Invited Discussant: James S. Allan

48. The Effect of Volume On Esophageal Cancer Resections: What Constitutes Acceptable Resection Volumes for Centers of Excellence?

Robert A. Meguid¹, Eric S. Weiss¹, David C. Chang¹, Malcolm V. Brock¹, Steven C. Yang¹

¹Surgery, Johns Hopkins University, School of Medicine, Baltimore, MD, USA

Invited Discussant: Arjun Pennathur

49. Accelerated treatment of postpneumectomy empyema: A bi-national long-term study

Didier Schneider¹, Tomasz Grodzki², Didier Lardinois¹, Peter B. Kestenholz¹, Janusz Wojcik², Bartosz Kubisa², Jaroslaw Pierog², Walter Weder¹

¹Thoracic Surgery University Hospital of Zurich, Zurich, Switzerland. ²Thoracic Surgery, Szczecin, Poland

Invited Discussant: Francis C. Nichols, III

5:00 p.m. **EXECUTIVE SESSION (Members Only)**
Room 146, Washington Convention Center

TUESDAY AFTERNOON, MAY 8, 2007

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

(8 minutes presentation, 12 minutes discussion)

Room 145, Washington Convention Center

Moderators: Vaughn A. Starnes
Jeffrey P. Jacobs

50. Cardiac surgery in infants with low weight is associated with increased mortality: An analysis of the Society of Thoracic Surgeons Congenital Heart Database

Christopher L. Curzon¹, Sarah Milford-Beland², Jennifer S. Li¹, Sean M. O'Brien², Jeffrey P. Jacobs⁴, Marshall L. Jacobs⁵, Karl F. Welke⁶, Andrew J. Lodge³, Eric D. Peterson², James Jagers³

¹Division of Pediatric Cardiology, Duke University Medical Center, Durham, NC, USA. ²Duke Clinical Research Institute, Durham, NC, USA. ³Division of Pediatric Cardiovascular Surgery, Duke University Medical Center, Durham, NC, USA. ⁴The Congenital Heart Institute of Florida, University of South Florida, All Children's Hospital, Children's Hospital of Tampa, Tampa, FL, USA. ⁵Division of Pediatric Cardiovascular Surgery, St. Christopher's Hospital for Children, Philadelphia, PA, USA. ⁶Division of Cardiothoracic Surgery, Oregon Health and Science University, Portland, OR, USA

Invited Discussant: Scott M. Bradley

51. Long-term results of definitive repair for pulmonary atresia with ventricular septal defect and major aortopulmonary collateral arteries - Late outcome of the unifocalized pulmonary vasculature; more than 10 years evaluation

Koji Kagisaki¹, Toshikatsu Yagihara¹, Ikuo Hagino¹, Shuichi Shiraishi¹, Fumiaki Shikata¹, Yuki Nakamura¹, Junjiro Kobayashi¹, Soichiro Kitamura¹

¹Cardiovascular Surgery, National Cardiovascular Center, Suita, Osaka, Japan

Invited Discussant: Glen Van Arsdell

52. Myocardial revascularization in infants and children: coronary artery proximal patch arterioplasty and coronary artery bypass. A single institution experience

Eric Bergo¹, Olivier Raisky¹, Alexandra Degandt¹, Daniel Tamisier¹, Daniel Sidi¹, Pascal Vouh¹

¹Hôpital Necker - Enfants Malades, Paris, France

Invited Discussant: Carl L. Backer

3:00 p.m. **INTERMISSION**
VISIT EXHIBITS
Exhibit Hall, Washington Convention Center

3:35
p.m.

SIMULTANEOUS SCIENTIFIC SESSION - CONGENITAL HEART DISEASE

Room 145, Washington Convention Center

Moderators: Vaughn A. Starnes
Jeffrey P. Jacobs

53. Moderate versus Deep Hypothermia for the Arterial Switch Operation - Experience with 100 Consecutive Patients

Ardawan J. Rastan¹, Thomas Walther¹, Nidal Al-Alam¹, Ingo Daehnert¹, Wilfried Bellinghausen¹, Joerg Hamsch¹, Friedrich W. Mohr¹, Jan Janousek¹, Martin Kostelka¹

¹Heart Center Leipzig, Leipzig, Germany

Invited Discussant: Richard A. Jonas

54. Diaphragm plication does not correct splanchnic venous flow in Fontan patients with a paralyzed diaphragm

Tain-Yen Hsia¹, Sachin Khambadkone², Scott M. Bradley¹, Marc de Leval²

¹Cardiothoracic Surgery, Medical University of South Carolina, Charleston, SC, USA. ²Great Ormond Street Hospital for Children, NHS Trust, London, United Kingdom

Invited Discussant: Winfield J. Wells

55. An analysis of a modification of the Norwood procedure using a right ventricle - pulmonary artery (RV-PA) conduit routed to the right of the neoarteria

Andre Brooks¹, John Stickley¹, Steve Wooley¹, Oliver Stumper², Timothy J. Jones¹, David J. Barron¹, William J. Brawn¹

¹Cardiac Surgery, Birmingham Children's Hospital, Birmingham, United Kingdom.

²Birmingham Children's Hospital - Cardiology, Birmingham, United Kingdom

Invited Discussant: Shunji Sano

56. Surgical outcome for patients with the aortic atresia-mitral stenosis variant of hypoplastic left heart syndrome

Vladimiro L. Vida¹, Kimberlee Gauvreau¹, Adam Dorfman¹, Alesandro Larrazabal¹, Frank Pigula¹, Emile A. Bacha¹, John E. Mayer¹, Pedro J. Del Nido¹, Francis Fynn-Thompson¹

¹Children's Hospital of Boston, Boston, MA, USA.

Invited Discussant: Thomas L. Spray

5:00
p.m.

EXECUTIVE SESSION (Members Only)

Ballroom A/B, Washington Convention Center

WEDNESDAY MORNING, MAY 9, 2007

7:00
a.m.

EMERGING TECHNOLOGIES AND TECHNIQUES FORUM

(7 Minutes Presentation, 8 Minutes Discussion)

Room 145, Washington Convention Center

Moderators: Michael A. Acker
Michael J. Mack

T1. Simultaneous Hybrid Coronary Revascularization Reduces Postoperative Morbidity Compared To Procedures Utilizing Only Coronary Artery Bypass Grafting

Zachary N. Kon¹, Barry Reicher¹, Emile N. Brown¹, Seeta Kallam¹, Nicholas S. Burris¹, Peter Reyes¹, David Zimrin¹, Ashish Joshi¹, Robert S. Poston¹

¹Surgery, University of Maryland, Baltimore, MD, USA.

T2. Thoracoscopic Left Atrial Ablation Provides Mid Term Freedom From Intermittent Atrial Fibrillation

Dudley Hudspeth¹, Andrew J. Kaplan², Michael C. Maxwell¹

¹Desert Cardiothoracic Surgeons, Mesa, AZ, USA. ²Banner Desert Hospital, Mesa, AZ, USA

T3. A Novel Bio-engineered Small Caliber Vascular Graft Incorporating Heparin and Sirolimus: Excellent 6 Month Patency

Yosuke Ishii¹, Shun-ichiro Sakamoto¹, Russell T. Kronengold², Renu Virmani³, Elias A. Rivera³, Scott M. Goldman², Ericka J. Prechtel², James G. Hill², Ralph J. Damiano¹
¹Cardiothoracic Surgery, Washington University School of Medicine, St. Louis, MO, USA. ²Kensey Nash Corporation, Exton, PA, USA. ³American Registry of Pathology, Washington D.C., DC, USA

T4. Worldwide Experience with the Paracor HeartNet[®] Cardiac Restraint Device

Charles T. Klodell¹, Juan M. Aranda¹, Barry K. Rayburn², David C. McGiffin², William T. Abraham³, Benjamin Sun³, John P. Boehmer⁴, Walter Pae⁴, Helmut Klein⁵, Christof Huth⁵

¹Dept. of Surgery, University of Florida, Gainesville, FL, USA. ²University of Alabama-Birmingham, Birmingham, AL, USA. ³Ohio State University, Columbus, OH, USA. ⁴Penn State College of Medicine, Hershey, PA, USA. ⁵Universitätsklinikum Magdeburg, Magdeburg, Germany.

T5. FLOWATCH[®] Versus Conventional Pulmonary Artery Banding

Antonio F. Corno¹, Steve Kerr¹, Edmund J. Ladusans¹, Marco Pozzi¹

¹Cardiac Surgery, Alder Hey Royal Children Hospital, Liverpool, United Kingdom

T6. Chronic ambulatory counterpulsation reverses end stage heart failure

Valluvan Jeevanandam¹, Allen Anderson¹, Martin Chen¹, Adrian Kantrowitz², Mark Myren¹, Jaishankar Raman¹
¹Section of Cardiothoracic Surgery, University of Chicago, Chicago, IL, USA. ²LVAD Technologies, Detroit, MI, USA.

T7. Heparin Reduces Residual Clot Within the Lumen of Endoscopically Harvested Saphenous Veins

Emile N. Brown¹, Nicholas S. Burriss¹, Zachary N. Kon¹, Patrick Laird¹, Robert S. Poston¹

¹Surgery, University of Maryland, Baltimore, MD, USA

T8. Accuracy of the new Dual-Source CT Coronary Angiography: Evaluation in a standardized protocol for cardiac surgeons

Andr  Plass¹, Jurg Grunenfelder¹, Hans Scheffel², Robert Vachenauer¹, Hatem Alkadhi², Philipp Kaufmann³, Gregor Zund⁴, Michele Genoni¹

¹University Hospital Zurich, Clinic for Cardio-Vascular Surgery, Zurich, Switzerland. ²University Hospital Zurich, Department of Radiology, Zurich, Switzerland. ³University Hospital Zurich, Cardiovascular Center, Zurich, Switzerland. ⁴University Hospital Zurich, Division for Experimental Surgery, Zurich, Switzerland

T9. Novel Surgical Approach to Myxomatous Mitral Valve Repair

Patrick M. McCarthy¹, Nalini M. Rajamannan², Edwin C. McGee¹, Vera H. Rigolin², Qiong Zhao², Anna L. Huskin², Haris Subacius², Stacie Landron², Susan Underwood², Robert O. Bonow²

¹Division of Cardiothoracic Surgery, Northwestern University/Northwestern Memorial Hospital, Chicago, IL, USA. ²Northwestern University, Chicago, IL, USA

T10. Endograft Repair of Blunt Traumatic Thoracic Aortic Tears-First Line Therapy?

*Royce F. Calhoun¹, William Pevec¹, Rodriguez Victor¹, Dave Dawson¹, Nilas Young¹
¹Surgery, UC Davis, Sacramento, CA, USA*

WEDNESDAY MORNING, MAY 9, 2007

TBA **GLOBAL THORACIC SURGERY SESSION**

Room 147, Washington Convention Center

Co-Chairmen: Bruce W. Lytle
Walter Klepetko

Program TBA

9:30 a.m. **CONTROVERSIES IN CARDIOTHORACIC SURGERY PLENARY SESSION**

Room 146, Washington Convention Center

Topic: General Surgical Training is a Waste of Time for The Cardiothoracic Surgeon

Moderator: Bruce W. Lytle
Pro: Robert C. Robbins
Con: Irving L. Kron

CONTROVERSIES IN CARDIOTHORACIC SURGERY ACQUIRED CARDIAC CONTROVERSIES

Room 146, Washington Convention Center

10:30 a.m. **Topic: Aprotinin Should Be Taken Off the Market**

Moderator: D. Craig Miller
Pro: Dennis Manganano
Con: Craig R. Smith

11:15 a.m. **Topic: Stentless Heart Valves Increase Risk Without Benefit**

Moderator: Lawrence H. Cohn
Pro: George T. Christakis
Con: Neil D. Kon

12:00 noon **ADJOURN**

WEDNESDAY MORNING, MAY 9, 2007

CONTROVERSIES IN CARDIOTHORACIC SURGERY GENERAL THORACIC CONTROVERSIES

Room 147, Washington Convention Center

10:30 a.m. **Topic: Interventional Procedures by Thoracic Surgeons: The Time Has Come**

Moderator: Joel D. Cooper
Pro: Rodney J. Landreneau
Con: Mark J. Krasna

11:15 a.m. **Topic: Optimal Management of Malignant Pleural Effusions**

Moderator: Larry R. Kaiser
Pleuryx Catheters: Joe B. Putnam
VATS Talc Pleurodesis: Scott J. Swanson

12:00 noon **ADJOURN**

WEDNESDAY MORNING, MAY 9, 2007

**CONTROVERSIES IN CARDIOTHORACIC SURGERY
CONGENITAL HEART CONTROVERSIES**

Room 145, Washington Convention Center

10:30 a.m. **Topic: International Databases are Valuable for Benchmarking, Quality Assurance and Pay-for-Performance in Congenital Heart Surgery**
Moderator: William G. Williams
Pro: Constantine Mavroudis
Con: J. William Gaynor

11:15 a.m. **Topic: The Asymptomatic Child with a Coronary Artery from the Wrong Sinus Should have Surgery**
Moderator: Charles D. Fraser
Pro: James S. Tweddell
Con: Emile A. Bacha

12:00 noon **ADJOURN**

GRAHAM EDUCATION AND RESEARCH FOUNDATION

900 Cummings Center, Suite 221-U, Beverly, Massachusetts, 01915, (978) 927-8330

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The Graham Education and Research Foundation supports the Evarts A. Graham Memorial Traveling Fellowship program. Since the inception of the program in 1951, fifty-one young surgeons from twenty-eight countries have completed their training at thoracic surgical centers throughout North America. The Foundation also supports the Research Scholarship program, which was established in 1985. Annual and planned gifts to the Foundation help support these fellowship and scholarship programs and provide an opportunity for donors to leave their legacy in cardiothoracic surgery. Planned gifts can include a bequest in one's will, through a life insurance policy or retirement plan or through a charitable lead or remainder trust.

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EVARTS A. GRAHAM MEMORIAL TRAVELING FELLOWSHIPS

The Evarts A. Graham Memorial Traveling Fellowship was established in 1951 by The American Association for Thoracic Surgery. Administered through the Graham Education and 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 overall training and increase his 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, 53 young surgeons from 27 countries have completed their training at thoracic surgical centers.

- 1951-52 L.L. Whytehead, M.D., F.R.C.S., Canada
1. 1953-54 W.B. Ferguson, M.B., F.R.C.S., England
2. 1954-55 Lance L. Bromley, M.Chir, F.R.C.S., England
3. 1955-56 Raymond L. Hurt, F.R.C.S., England
4. 1956-57 Mathias Paneth, F.R.C.S., England
5. 1957-58 Peter L. Brunnen, F.R.C.S., Scotland
6. 1958-59 N.G. Meyne, M.D., Holland
7. 1960-61 Godrej S. Karai, M.D., India
8. 1961-62 Fritz Helmer, M.D., Austria
9. 1962-63 Theodor M. Scheinin, M.D., Finland
10. 1963-64 Masahiro Saigusa, M.D., Japan
11. 1963-64 Adar J. Hallen, M.D., Sweden
12. 1964-65 Stuart C. Lennox, M.D., England
13. 1964-65 Elias Carapistolis, M.D., F.A.C.S., Greece
14. 1965-66 Gerhard Friehs, M.D., Austria
15. 1965-66 Ary Blesovsky, M.D., England
16. 1966-67 C. Peter Clarke, F.R.A.C.S., Australia
17. 1966-67 G.B. Parulkar, M.D., India
18. 1967-68 Claus Jessen, M.D., Denmark
19. 1969-70 Peter Bruecke, M.D., Austria
20. 1970-71 Michel S. Slim, M.D., Lebanon
21. 1971-72 Severi Pellervo Mattila, M.D., Finland
22. 1972-73 Yasuyuki Fujiwara, M.D., Japan
23. 1973-74 Marc Roger deLeval, M.D., England
24. 1974-75 J.J. DeWet Lubbe, M.D., South Africa
25. 1975-76 Mieczyslaw Trenkner, M.D., Poland
26. 1976-77 Bum Koo Cho, M.D., Korea
27. 1977-78 Alan William Gale, M.D., F.R.A.C.P., F.R.A.C.S., Australia
28. 1978-79 Eduardo Otero Coto, M.D., Spain
29. 1981-82 Richard Firmin, M.D., England
30. 1981-82 Claudio A. Salles, M.D., Brazil
31. 1982-83 Yasuhisa Shimazaki, M.D., Japan
32. 1983-84 Georg S. Kobinia, M.D., Austria
33. 1984-85 Aram Smolinsky, M.D., Israel
34. 1985-86 Florentino J. Vargas, M.D., Argentina
35. 1986-87 Ari L.J. Harjula, M.D., Finland
36. 1987-88 Byung-Chul Chang, M.D., Korea
37. 1988-89 Wang Cheng, M.D., P R China
38. 1989-90 Christopher Knott-Craig, M.D., South Africa
39. 1991-92 Ko Bando, M.D., Ph.D., Japan
40. 1992-93 Timothy E. Oaks, M.D., United States
41. 1993-94 Alain Serraf, M.D., Morocco
42. 1995-96 Cornelius McKown Dyke, M.D., United States
43. 1996-97 Monica Robotin-Johnson, M.D., France
44. 1997-98 Jun Wan, M.D., P. R. of China
45. 1998-99 Christian Kreutzer, M.D., Argentina
46. 1999-00 Anders Franco-Cereceda, M.D., Sweden
47. 2000-01 Albertus M. Scheule, M.D., Tuebingen, Germany
48. 2001-02 Anna Maria Ciccone, M.D., Rome, Italy
49. 2002-03 Cliff K.C. Choong, M.D., Auckland, New Zealand
50. 2003-04 Edvin Prifti, M.D., Tirana, Albania
51. 2004-05 Smruti Ranjan Mohanty, M.D., Bangalore, Karnataka, India
52. 2005-06 Zsolt Tã³th, M.D., Pã©cs, Hungary

53. 2006-07 Ari Mennander, M.D., Tampere, Finland
54. 2007-08 Ioannis Toumpoulis, M.D., Athens, Greece

RESEARCH SCHOLARSHIP RECIPIENTS

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

EDWARD D. CHURCHILL RESEARCH SCHOLARSHIP

1986-1988 Mark K. Ferguson, M.D.
University of Chicago, Department of Surgery

ALFRED BLALOCK RESEARCH SCHOLARSHIP

1988-1990 Gus J. Vlahakes, M.D.
Massachusetts General Hospital and Harvard Med School

JOHN H. GIBBON, JR., RESEARCH SCHOLARSHIP

1990-1992 Donald D. Glover, M.D.
Duke University Medical Center

ALTON OCHSNER RESEARCH SCHOLARSHIP

1992-1994 David H. Adams, M.D.
Brigham and Women's Hospital

ROBERT E. GROSS RESEARCH SCHOLARSHIP

1994-1996 Mehmet C. Oz, M.D.
Columbia Presbyterian Medical Center
Thoralf Mauritz Sundt, III, M.D.
Washington University School of Medicine

JOHN ALEXANDER RESEARCH SCHOLARSHIP

1996-1998 Richard Norris Pierson, III, M.D.
Vanderbilt University Medical Center

ANDREW G. MORROW RESEARCH SCHOLARSHIP

1997-1999 Stephen C. Yang, M.D.
Johns Hopkins University School of Medicine

DWIGHT HARKEN RESEARCH SCHOLARSHIP

1998-2000 Bruce Rosengard, M.D.
University of Pennsylvania

THE SECOND EDWARD D. CHURCHILL RESEARCH SCHOLARSHIP

1999-2001 Joseph B. Shrager, M.D.
University of Pennsylvania

SECOND ALFRED BLALOCK RESEARCH SCHOLARSHIP

2000-2002 Abbas Ardehali, M.D.
UCLA School of Medicine
Thomas K. Waddell, M.D, MSc, Ph.D.
University of Toronto and Toronto General Hospital

SECOND JOHN H. GIBBON, JR. RESEARCH SCHOLARSHIP

2001-2003 Richard J. Battafarano, M.D., Ph.D.
Washington University School of Medicine
Carmelo A. Milano, M.D.
Duke University Medical Center

SECOND ALTON OCHSNER RESEARCH SCHOLARSHIP

2002-2004 Yolonda Lorig Colson, M.D.
Brigham & Women's Hospital
Michael S. Mulligan, M.D.
Seattle, Washington

SECOND ROBERT E. GROSS RESEARCH SCHOLARSHIP

2003-2005 Ross M. Bremner, M.D., Ph.D.
University of Southern California
Vivek Rao, M.D., Ph.D.
Toronto General Hospital

SECOND JOHN ALEXANDER RESEARCH SCHOLARSHIP

2004-2006 King F. Kwong, M.D.
University of Maryland

SECOND ANDREW G. MORROW RESEARCH SCHOLARSHIP

2005-2007 Marc de Perrot, M.D.
University of Toronto/Toronto General Hospital
Frederick Y. Chen, M.D.
Brigham & Women's Hospital

JOHN W. KIRKLIN RESEARCH SCHOLARSHIP

2006-2008 Daniel Kreisel, M.D.
Washington University
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2007-2009 Shu S. Lin, M.D., Duke University Medical Center

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Winners:

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 Transfection of Rat Lungs Is Increased and Prolonged by

SCIENTIFIC ACHIEVEMENT AWARD

The American Association for Thoracic Surgery Scientific Achievement Award was established by the Association in 1994. The award serves to honor individuals who have achieved scientific contributions in the field of thoracic surgery worthy of the highest recognition the Association can bestow. Honorees receive a Medallion for Scientific Achievement from the Association presented by the president at the Annual Meeting and the honoree's name and biography is printed in the Journal of Thoracic and Cardiovascular Surgery.

RECIPIENTS

1995 John W. Kirklin, Birmingham, Alabama

1998 Norman E. Shumway, Stanford, California

1999 Michael E. DeBakey, Houston, Texas

2000 Denton A. Cooley, Houston, Texas

2005 Alain F. Carpentier, Paris, France

2007 Gerald D. Buckberg, Los Angeles, CA

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.

RECIPIENT

2004 F. Griffith Pearson, Toronto, ON, Canada

2007 Frank C. Spencer, New York, NY

INTERNATIONAL TRAVELING FELLOWSHIP

The AATS Traveling Fellowship was established in 1997 by the American Association for Thoracic Surgery. Administered through the Graham Education and Research Foundation, it provides grants to young North American Cardiothoracic Surgeons who are within two years of the completion of their formal cardiothoracic surgery training. The award allows the recipient to study abroad for one year to intensify training in different disciplines and to travel to several sites to broaden the overall training and increase 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.

1998-99 Lishan Aklog, West Roxbury, MA

THE THORACIC SURGERY FOUNDATION FOR RESEARCH AND EDUCATION

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Unlike other organizations to which you make philanthropic contributions, the Thoracic Surgery Foundation for Research and Education works directly for your specialty. TSFRE supports research and education initiatives to increase knowledge and enhance treatment of patients with cardiothoracic diseases; develops the skills of cardiothoracic surgeons as surgeon-scientists and health policy leaders; and, strengthens society's understanding and trust in the profession. TSFRE is making a difference in cardiothoracic surgery. This is possible only because of your support. TSFRE is entirely supported through private donations. If you have not yet made your annual gift to TSFRE, now is the time! If you make an annual gift of appreciated stocks, bonds or mutual funds, you avoid capital gains tax and earn an income tax deduction by donating rather than selling these assets. This may be better for you than a gift of cash. If you have been thinking of making a charitable contribution to TSFRE, this may be the time to consider a planned gift. Often, this type of giving enables an individual to give a larger gift at a cost that is actually lower than if the gift were to be made outright. You may also find that planned giving enables you to meet other personal financial goals while making significant charitable gifts. You may give to TSFRE through a revocable instrument, such as a bequest in your will, or through an irrevocable instrument like a charitable lead trust or a charitable remainder trust. You may also give through a life insurance policy or your retirement plan. For more information about your annual gift or a deferred gift, contact the Thoracic Surgery Foundation for Research and Education at 900 Cummings Center, Suite 221-U, Beverly, Massachusetts, 01915.

THE THORACIC SURGERY FOUNDATION FOR RESEARCH AND EDUCATION

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TSFRE RESEARCH FELLOWSHIPS provide support of up to \$35,000 a year for up to 2 years for surgical residents who have not yet completed cardiothoracic surgical training.

Denise M. Torres, M.D., Temple University
Experimental Intra-Coronary Stem Cell Therapy in Hypertrophic Cardiomyopathy

TSFRE CAREER DEVELOPMENT AWARDS provide salary support of up to \$50,000 a year for up to 2 years for applicants who have completed their residency training and who wish to pursue investigative careers in cardiothoracic surgery.

Mark S. Bleiweis, M.D., University of Florida
Cell Therapy for RV Failure in Tetralogy of Fallot

Michael Argenziano, M.D., Columbia-Presbyterian
Remodeling of the TASK-1 Potassium Current in Atrial Fibrillation: A Novel Therapeutic Target

TSFRE RESEARCH GRANTS provide operational support of original research efforts by cardiothoracic surgeons who have completed their formal training, and who are seeking initial support and recognition for their research program. Awards of up to \$30,000 a year for up to 2 years are made each year to support the work of an early-career cardiothoracic surgeon (within 5 years of first faculty appointment).

Lorenzo E. Ferri, M.D., McGill University
Mechanisms of Esophageal Cancer Metastasis: The Role of Cell Adhesion Molecules on the Migratory Ability of Esophageal Cancer Cells

NINA STARR BRAUNWALD AWARD provides a biennial award of \$100,000 for two years to support the research career development of a woman cardiac surgeon who holds a full-time faculty appointment and who is within 10 years of completion of thoracic surgery residency.

Jennifer S. Lawton, M.D., Washington University
The Role of the Mitochondrial KATP Channel in Myocyte Volume Response to Stress

Rosemary F. Kelly, M.D., University of Minnesota
Revascularization of Chronic Hibernating Myocardium Reverses Reduction in Regional Function and Normalized Bioenergetic Adaptations of the Mitochondria

PREVIOUS RESEARCH AWARD RECIPIENTS

Your contributions to THE THORACIC SURGERY FOUNDATION FOR RESEARCH AND EDUCATION have supported the following awards:

THE TSFRE RESEARCH FELLOWSHIP provides support to surgeons and surgical trainees who wish to acquire investigational skills.

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Blake, Hu Al Brott, Walter H

Memphis

Pate, James W Robbins, S. Gwin, Sr Shochat,

Stephen J Weiman, Darryl S

Charlottesville

Crosby, Ivan Keith Dammann John F Daniel,

Thomas M Jones, David R Kern, John A Kron,

Irving L Minor, George R Muller, William H, Jr

Nolan, Stanton P Wellons, Harry A, Jr

Falls Church

Burton, Nelson A Lefrak, Edward A

Fredericksburg

Armitage John M

McLean

Conrad, Peter W Pecora, David V Wallace, Robert

B

Norfolk

Baker, Lenox D

Reston

Boyd, Thomas F

Richmond

Bosher, Lewis H, Jr Brooks, James L Lower,

Richard R

Springfield

Mills, Mitchell

WASHINGTON**Issaquah**

Gentsch, Thomas O

Mercer Island

Li, Wei-i

Seattle

Aldea, Gabriel S Allen, Margaret D Anderson,

Richard P Cohen, Gordon A Manhas, Dev R

Mansfield, Peter B Merendino, K. Alvin

Collingwood

Heimbecker, Raymond

Hamilton

Kirby, Thomas J

London

McKenzie, F. Neil Novick, Richard J

Mansfield

Pearson, F. Griffith

Oakville

Allen, Peter

Ottawa

Hendry, Paul J Keon, Wilbert J Sundaresan, R.

Sudhir

Sebright

Trimble, Alan S

Toronto

Baird, Ronald J Christakis, George T Coles, John

G David, Tirone E Feindel, Christopher M Fremes,

Stephen E Goldman, Bernard S Keshavjee, Shaf

McKneally, Martin F Scully, Hugh E Trusler,

Flower Mound

Bolton, J.W. Randolph

Galveston

Conti, Vincent R Henly, Walters Zwischenberger, Joseph B

Houston

Cooley, Denton A Coselli, Josephs Espada, J. Rafael Fraser, Charles D, J.

L Lawrie, Gerald M Letsou, George V Mattox, Kenneth L Ott, David A C

Reul, George J, Jr Roth, Jack A Safi, Hazim J Swisher, Stephen G Vapo

Walsh, Garrett L Wukasch, Don C

emp Davis, Milton V

Miller, Donald W, Jr Mulligan, Michael S Sauvage, Lester R Thomas, G

Douglas E

Silverdale

Malette, William G

Spokane

Berg, Ralph, Jr

WEST VIRGINIA**Charleston**

Walker, James H

Iorgantown Graeber, Geoffrey M Gustafson, Robert A Hill, Ronald C M

WISCONSIN**Altoona**

McEnany, M. Terry

Brookfield

Johnson, W. Dudley

Madison

Chopra, Paramjeet S Weigel, Tracey L

Marshfield

Myers, William O

Milwaukee

Almassi, G. Hossein Haasler, George B Iitwin, S. Bert Tector, Alfred J T

West Bend

Gardner, Robert J

WYOMING**Evanston**

Kaunitz, Victor H

Shell

Scott, Meredith L

Waubauskene

Mickleborough, Lynda L

Westbrook

Lynn, R. Beverley

QUEBEC**Montreal**

Blundell, Peter E Carrier, Michel Chartrand, Claude C. C. Chiu, Chu-Jer

Duranceau, Andre C. H. MacLean, Lloyd D Morin Jean E Mulder, David

P Shum-Tun, Dominique Tchervenkov, Christo I

Pointe-Claire

Shennib, Hani

Rosemere

Cossette, Robert

Saint-Laurent

DesLauriers Jean

SASKATCHEWAN**Saskatoon**

Casson, Alan G

ONTARIO**Almonte**

Todd, Thomas R.J.

ARGENTINA**Buenos Aires**

Kreutzer, Guillermo O Schlichter, Andres J

AUSTRALIA**QUEENSLAND****Main Beach**

O'Brien, Mark

SOUTH AUSTRALIA**Beaumont**

Sutherland, H D'Arcy

Nurioopta

Aberg, Torkel H

VICTORIA**Parkville**

Tatoullis, James

Richmond

Buxton, Brian F

Williams Town Mee, Roger B. B.**AUSTRIA****Salzburg**

Unger, Felix H

Thumersbach

Bruecke, Peter E

Vienna

Klepsetko, Walter Wolner, Ernst

BELGIUM**Aalst**

Vanermen, Hugo K. I.

Leuven

Flameng, Willem J Lerut, Antoon E. M. R.

Lyon Cedex 03

Obadia Jean F

Marseille Metras, Dominique R**Montpellier**

Thevenet, Andre A

Paris

Bachet Jean E Blondeau, Philip Cabrol, Christian E A

Carpentier, Alain F Chachques Juan C Chauvaud,

Sylvain M Grunenwald, Dominique H Khonsari,

Siavosh Menasche, Philippe Piwnica, Armand H

Pessac

Baudot, Eugene M Couraud, Louis

GERMANY**Aachen**

Messmer, Bruno J

Bad Oeynhausen

Korfer, Reiner

Berlin

Alexi-Meskishvili, Vladimir Hetzer, Roland

Freiburg

Beyersdorf, Friedhelm

Hannover

Haverich, Axel

Homburg/Saar

Schafers, Flans-Joachim

Leipzig

Mohr, Friedrich W

Loiching

Sebening, Fritz

Munich

Borst, Hans G

euss Bircks, Wolfgang H**GREECE****Athens**

Palatianos, George M Sarris, George E

GUATEMALA**Guatemala City** Castaneda, Aldo R Herrera-Llerandi,

Rodolfo

ROMANIA**Targu-Mures**

Deac, Radu C

George A Van Arsdell, Glen Weisel, Richard D Williams, William G Yau, Terrence M

OTHER COUNTRIES

Sergeant, Paul T

Van Raemdonck, Dirk E. M.

Linden

Daenen, Willem J

BRAZIL**Rio de Janeiro**

Meier, Milton A

Sao Paulo

DaSilva, Jose Pedro Jatene, Adib D Oliveira,

Sergio A

Saojose do Rio Preto

Braile, Domingo M

ENGLAND**Amersham Bucks**

Khaghani, Asghar

Bath

Belsey, Ronald

Bristol

Angelini, Gianni D

Cambridge

Wallwork John Wells, Francis C

Harefield

Dreyfus, Gilles D Yacoub, Magdi

Herts

Lennox, Stuart C

Liverpool

Como, Antonio F

London

Brambridge, Mark V de Leval, Marc R

Goldstraw, Peter Lincoln, Christopher R Ross,

Donald N Stark, Jaroslav F

HONG KONG**hatin, N** The, Guo-Wei Yim, Anthony P**INDIA****logappair, Chennai** Cherian, K. Mammen**IRELAND****Dublin**

O'Malley, Eoin

ITALY**Bergamo**

Parenzan, Lucio

Catania

Calafiore, Antonio M

Milan**Alfieri**, Ottavio R Peracchia, Alberto**Naples**

Cotrufo, Maurizio Rocco, Gaetano

Padova

Bortolotti, Uberto Gerosa, Gino Stellin, Giovanni

Palermo

Marcelletti, Carlo

Rome

Di Donato, Roberto Rendina, Erino Angelo

Venuta, Federico

San Donato Milanese

Menicanti, Lorenzo A

JAPAN**Fukuoka**

Yasui, Hisataka

Hamamatsu

Kazui, Teruhisa

Kanazawa

Iwa, Takashi

Kitakyushu

Miyamoto, Alfonso T

Kobe

Okita, Yutaka

Kyoto

Komeda, Masashi Wada, Hiromi

Minoo City

Kawashima, Yasunaru

Madrid

Comas, Juan V Rivera, Ramiro

Santander

Taylor, Kenneth M Tsang, Victor T

Newcastle upon Tyne

Dark, John H

Oxford

McCord, Colin W Taggart, David P Westaby, Stephen

Somerset

Abbey-Smith, R

Southampton Hants

Monro, James L

Suffolk

Kennedy, John H

Worcestershire

Landyraore, Roderick W

FINLAND**Grankulla**

Mattila, Seven P

Helsinki

Harjula, Ari L J.

FRANCE**Bordeaux**

Fontan, Francis M

Bordeaux-Pessac

Roques, Xavier F

Creteil

Loisance, Daniel

Le Plessis Robinson

Binet, Jean-Paul Dartevelle, Philippe G Planche, Claude Serraf, Alain

Lyon

Jegaden, Olivier J. L.

Nishinomiya, Hyogo

Matsuda, Hikaru

Okayama

Date, Hiroshi

Okayama City

Sano, Shunji

Osaka

Bando, Ko Kitamura, Soichiro

Sapporo

Abe, Tomio

Sendai

Fujimura, Shigefumi Mohri, Hitoshi

Sendai, Miyagi

Tabayashi, Koichi

Shinjuku-ku

Imai, Yasuharu

Tokyo

Koyanagi, Hitoshi Kurosawa, Hiromi Shin'oka, Toshiharu Suma, Hisayo

MONACO**Monaco Cedex**

Dor, Vincent

NETHERLANDS**Amsterdam**

Brutel De La Riviere, Aart

Leiden

Dion, Robert A

Utrecht

Jansen, Erik W. L

POLAND**Szczecin**

Grodzki, Tomasz

PORTUGAL**Carnaxide**

Melo, Joao Q

Coimbra

Antunes, Manuel J

Leca Da Palmeira

Gomes, Mario N

REPUBLIC OF KOREA**Seoul**

Cho, Bum-Koo

SYRIA**Damascus**

Kabbani, Sami S

RUSSIA

Moscow

Bockeria, Leo A

SAUDI ARABIA

Riyadh

Al-Halees, Zohair Y Canver, Charles C

SCOTLAND

Edinburgh

Logan, Andrew

Glasgow

Wheatfey, David J

SPAIN

Barcelona

Aris, Alejandro Macchiarini, Paolo Murtra, Marcos Pully

Pomar Jose L

Revuelta, Jose Manuel

Valencia

Otero Coto, Eduardo

SWEDEN

Stockholm

Bjork, Viking

SWITZERLAND

Berne

Carrel, Thierry-Pierre

Bottmingen

Hasse, Joachim T.W.

Lausanne

von Segesser, Ludwig K

Pully

Naef, Andreas P

Zurich

Turina, Marko I Weder, Walter

THAILAND

Bangkok

Arom, Kit V

VENEZUELA

Caracas

Bello, Alexis G Triccerri, Fernando E

WALES

Cardiff

Butchart, Eric G

THE BY-LAWS

ARTICLE 1. NAME

The name of this Corporation is The American Association for Thoracic Surgery (hereinafter the "Association").

ARTICLE II. PURPOSE

The purposes of the Association shall be:

To associate persons interested in, and carry on activities related to, the science and practice of thoracic surgery, the cure of thoracic disease and the related sciences.

To encourage and stimulate investigation and study that will increase the knowledge of intrathoracic physiology, pathology and therapy, and to correlate and disseminate such knowledge.

To hold scientific meetings featuring free discussion of problems and developments relating to thoracic surgery, and to sponsor a journal for the publication of scientific papers presented at such meetings and other suitable articles.

To succeed to, and continue to carry on the activities formerly conducted by The American Association for Thoracic Surgery, an unincorporated association.

ARTICLE III. MEMBERSHIP

Section 1. There shall be three classes of members: Honorary, Senior, and Active. Admission to membership in the Association shall be by election. Membership shall be limited, the limits on the respective classes to be determined by these By-Laws. Only Active and Senior Members shall have the privilege of voting or holding office, except as provided by these By-Laws. Honorary members shall have the privilege of voting but shall not be eligible to hold office.

Section 2. Honorary Membership shall be reserved for such distinguished persons as may be deemed worthy of this honor by the Council with concurrence of the Association

Section 3. The number of Senior Members shall be unlimited. Active Members automatically advance to Senior Membership at the age of seventy years or upon request after the age of sixty-five. In addition, a younger Active Member may be eligible for Senior Membership by petition to and approval by the Council.

Section 4. Active Membership shall be limited to seven hundred. A candidate to be eligible must be a physician and shall have achieved distinction in the thoracic field or shall have made a meritorious contribution to knowledge pertaining to thoracic disease or its surgical treatment.

Section 5. Election to Honorary, Senior or Active Membership shall be for life, subject to the provisions of Section 8 following. All new members shall be elected directly to Honorary or Active status.

Section 6. Candidates for membership in this Association must be formally nominated and seconded, in an approved manner, by not less than three Active, Senior or Honorary Members. Such nomination must have been in the hands of the Membership Committee for not less than four months, and the name of the candidate must have been distributed to all members of the Association before final action may be taken on any new candidate for election to Active Membership. Provided the foregoing requirements have been met and the candidates have been approved by the Membership Committee and by the Council, their names shall be presented to the Association at a future regularly convened annual

meeting for final action. A three-fourths vote of those present and voting shall be required to elect. Any candidate for membership in the Association who has failed of election three times shall automatically cease to be a candidate and may not be renominated until after a lapse of three years.

Section 7. The report of the Membership Committee shall be rendered at the second executive session of each annual meeting of the Association. Candidates shall be presented in groups in the following order: Candidates for Honorary Membership; retirement of Active Members to Senior Membership; Candidates for Active Membership; members dropped from the rolls of the Association.

Section 8. Membership may be voluntarily terminated at any time by members in good standing. The Council, acting as Board of Censors, may recommend the expulsion of any member on the grounds of moral or professional delinquency, and submit his/her name, together with the grounds of complaint, to the Association as a whole at any of the regularly convened meetings, after giving such member ample opportunity to appear in his/her own behalf

Section 9. The Council shall recommend that any Active Member whose dues are in arrears for two years shall have his/her membership terminated.

ARTICLE IV. Board of Directors (Council)

Section 1. The Board of Directors of the Association shall be called the Council and shall be composed of the President, President-Elect, Vice-President, Secretary, Treasurer, six Councilors and the Editor of the Association who shall be a member ex-officio without vote. All members of the Council must be Active or Senior Members of the Association, except that the Editor may be an Honorary Member.

Section 2. The Council shall be the governing body of the Association, and shall have full power to manage and act on all affairs of the Association, except as follows:

a. It may not levy any general assessments against the membership but it may, in individual cases, waive annual dues or assessments.

b. It may not change the Articles of Incorporation or By-Laws.

c. It may neither elect new members nor alter the status of existing members, other than to apply the provisions of Article III, Section 8.

Section 3. At the conclusion of the annual meeting, the retiring President shall automatically become a Councilor for a one-year term office. One of the other five Councilors shall be elected at each annual meeting of the Association to serve for a four-year term of office in the place of the elected Councilor whose term expires at such meeting. When appropriate, one of the Councilors shall be elected from among the non-North American members of the Association to serve for a three-year term of office. No Councilor may be reelected to succeed himself/herself. Any Councilor so elected shall take office upon the conclusion of the annual meeting at which he/she is elected.

Section 4. Vacancies in the office of Councilor shall be temporarily filled by the Council subject to approval of the Association at the next annual meeting of the Association.

ARTICLE V. Officers

Section 1. The officers of the Association shall be President, a President-Elect, a Vice-President, a Secretary, and a Treasurer. All officers must be Active or Senior Members of the Association. Said officers shall be ex-officio members of the Council of the Association.

Section 2. The Council may, for the purposes of Article IV, give status as officers of the Association to the individual members of an ad hoc Committee appointed by the Council.

Section 3. The President, President-Elect, Vice-President, Secretary and Treasurer shall be elected at the annual meeting of the Association and shall take office upon conclusion of the meeting. The President, President-Elect, and the Vice-President shall be elected for a one-year term of office. The Secretary and the Treasurer shall be elected for a one-year term of office and may be reelected for not more than four additional terms.

Section 4. The President of the Association shall perform all duties customarily pertaining to the office of President. He/she shall preside at all meeting of the Association and at all meetings of the Council.

Section 5. The President-Elect of the Association shall, in the absence or inability of the President to serve, perform all duties customarily pertaining to the office of President. In this instance the Council shall advance the Vice-President to the office of the President-Elect and appoint an interim Vice-President as necessary.

Section 6. The Secretary of the Association shall perform all duties customarily pertaining to the office of Secretary. He/she shall serve as Secretary of the Association and as Secretary of the Council. When deemed appropriate an Active or Senior Member may be elected to serve as an understudy to the Secretary in anticipation of the latter's retirement from office.

Section 7. The Treasurer of the Association shall perform all duties customarily pertaining to the office of Treasurer. He/she shall serve as Treasurer of the Association. When deemed appropriate an Active or Senior Member may be elected to serve as an understudy to the Treasurer in anticipation of the

latters retirement from office.

Section 8. The Editor of the Association is not an officer of the Association. The Editor shall be appointed by the Council at its annual meeting; provided, however, that such appointment shall not become effective until approved by the Association at the annual meeting of the Association. The Editor shall be appointed for a five-year term and may be reappointed to no more than two additional one-year terms. The Editor shall serve as the Editor of the Official Journal and shall be ex officio the Chair of the Editorial Board and a member of the Council of the Association without vote.

Section 9. Vacancies occurring among the officers named in Section I or a vacancy in the position of Editor shall be temporarily filled by the Council, subject to approval of the Association at the next meeting of the Association.

ARTICLE VI. Committees

Section 1. The Council is empowered to appoint a Membership Committee, a Program Committee, a Necrology Committee and such other committees as may in its opinion be necessary or desirable. All such committees shall render their reports at an executive session of the Association, except that no ad hoc committee need report unless so directed by the Council.

Section 2. The Membership Committee shall consist of seven Active or Senior Members. The Council may appoint not more than one of its own members to serve on this Committee. The duties of the Membership Committee are to investigate all candidates for membership in the Association and to report its findings as expeditiously as possible to the Council through the Secretary of the Association. This Committee is also charged with searching the literature of this and other countries to the end that proper candidates may be presented to the Association for consideration. Appointment to this Committee shall be for a period of one year, and not more than five of the members may be reappointed to succeed themselves.

Section 3. The Program Committee shall consist of at least 14 members: the President, the President-Elect, the Vice President, the Secretary and the Editor and at least 9 members-at-large, three each representing the areas of adult cardiac, pediatric cardiac and general thoracic surgery. The President or his/her designee shall serve as the Chair of this Committee. Three of these members-at-large shall be appointed each year by the President for a three-year term. Additional Committee members shall be appointed for one or two-year terms. The duties of this Committee shall be to arrange, in conformity with instructions from the Council, the scientific program for the annual meeting.

Section 4. The Necrology Committee shall consist of one or more Active or Senior Members. Appointments to this Committee shall be for a one-year term of office. Any or all members of this committee may be reappointed to succeed themselves. The Chair shall serve as Historian and the Council may, if it so desires, appoint one of its own members to serve as Chair of this Committee. The duties of the Necrology Committee shall be to prepare suitable resolutions and memorials upon all deaths of members of the Association and to report such deaths at every annual meeting.

Section 5. The Nomination Committee shall consist of the five (5) immediate Past Presidents of the Association. The most senior Past President shall serve as Chair. This Committee shall prepare a slate of nominees for Officers and Councilors upon instruction from the Council as to the vacancies which are to be filled by election and shall present its report at the second Executive Session of the Annual Meeting.

Section 6. The Association as a whole may authorize the Council to appoint Scientific or Research Committees for the purpose of investigating thoracic problems and may further authorize the Council to support financially such committees to a limited degree. When Scientific or Research Committees are authorized by the Association, the Council shall appoint the Chairs of these Committees, with power to organize their committees in any way best calculated to accomplish the desired object, subject only to the approval of the Council. Financial aid rendered to such Committees shall not exceed such annual or special appropriations as may be specifically voted for such purposes by the Council. Members are urged to cooperate with all Scientific or Research Committees of the Association.

Section 7. The Evarts A Graham Memorial Traveling Fellowship Committee shall consist of eight members: two cardiac surgeons, two general thoracic surgeons, two transplant surgeons, and two pediatric heart surgeons, two to be appointed each year for four year terms with the senior two members of the Committee serving as Co-Chairs. The duties of the Committee shall be to recommend Fellowship candidates to the Graham Education and Research Foundation, and to carry out other business pertaining to the Fellowship and Fellows, past, present and future. Additionally, the Committee shall recommend Research Scholar candidates to the association, and carry out other business pertaining to the Research Scholarship and Research Scholars, past, present, and future.

Section 8. The Editorial Board shall be appointed by the Editor, subject only to the approval of the Council. The Editor shall be, ex officio, the chairman of this board and shall be privileged to appoint and indefinitely reappoint such members of the Association, regardless of class of membership, and such non-members of the Association as in his/her opinion may be best calculated to meet the editorial

requirements of the Association.

Section 9. The Ethics Committee shall consist of five members appointed by the Council. The Ethics Committee shall advise the Council concerning alleged breaches of ethics. Complaints regarding alleged breaches of ethics shall be received in writing by the Ethics Committee and shall be investigated by it. In addition, the Ethics Committee may investigate on its own initiative.

Section 10. The Thoracic Surgical Workforce Committee shall be a Joint Committee of this Association and The Society of Thoracic Surgeons. The Committee shall consist of two members of this Association, two members of The Society of Thoracic Surgeons, and a Chair who shall be a member of this Association and The Society of Thoracic Surgeons. The duties of this Committee, and the manner of appointment and term of its members and chairman, shall be determined jointly by the Council of this Association and the Board of Directors of The Society of Thoracic Surgeons.

Section 11. The Education Committee shall consist of six (6) members with two (2) members being appointed each year by the Council for a three (3) year term. At least two (2) members shall represent the areas of adult cardiac, pediatric cardiac and general thoracic surgery. In addition, a chair shall be appointed by the Council for a three (3) year term. The committee shall be responsible for identifying areas within the specialty for which additional training and education are necessary and the selection of topics and chairs for postgraduate activity to address these areas.

Section 12. The Committee on Publications shall consist of the Secretary as Chair, the President-Elect, the Vice President, the Treasurer, and the Executive Director. The Committee shall oversee the business

relationships between the Association and the publisher of its journal maintain liaison among the publisher, the Editor, and the Council, and shall have advisory oversight for all official scientific publications

of the Association and make recommendations to the Editor and the Council.

Section 13. The Cardiothoracic Residents Committee shall consist of eight members appointed by the Council. Two members shall be appointed each year for a four-year term with the senior two members of the Committee serving as Co-Chairs. At least two members shall represent adult cardiac surgery, general thoracic surgery, congenital heart surgery, and the Editorial Advisory Board of THE JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY. The duties of the committee shall include the development

of educational activities specifically directed at cardiothoracic residents, the review of scientific material submitted for any resident award program and the selection of any such awardees and the responsibility for recommending to the Council the generation of new programs of interest to cardiothoracic residents.

Section 14. The Scientific Affairs and Government Relations Committee shall consist of a Chair, appointed by the Council who shall serve a term of three (3) years, the Secretary who shall serve ex-officio and such members as the Council may deem appropriate to fulfill the responsibilities of the committee who shall serve for one (1) year. The committee shall be responsible for identifying and interacting with the various Federal agencies and institutions which affect research activities and funding in cardiothoracic surgery. It shall serve as a resource to the membership in the development of programmatic activities appropriate to research efforts in the specialty.

ARTICLE VII. Finances

Section 1. The fiscal year of the Association shall begin on the first day of January and end on the last day of December each year.

Section 2. Members shall contribute to the financial maintenance of the Association through initiation fees, annual dues, and special assessments. The amount of the annual dues and the initiation fees shall be determined by the Council. If, at the end of any fiscal year, there is a deficit in the current funds of the Association, the Council may send out notices to that effect and invite Active members to contribute the necessary amount so that no deficit is carried over from one fiscal year to another. The Association may, in any regularly convened meeting, vote a special assessment which shall become an obligatory charge against the classes of members affected thereby.

Section 3. To meet the current expenses of the Association, there shall be available all revenue derived by the Association.

ARTICLE VIII. Meetings

Section 1. The time, place, duration, and procedure of the annual meeting of the Association shall be determined by the Council and the provisions of the By-Laws.

Section 2. Notice of any meeting of the Association shall be given to each member of the Association not less than five nor more than forty days prior to any annual meeting and not less than thirty nor more than forty days prior to any special meeting by written or printed notice delivered personally or electronically

by mail, by or at the direction of the Council, the President or the Secretary. Such notice shall state

the place, day and hour of the meeting and in the case of a special meeting shall also state the purpose or purposes for which the meeting is called.

Section 3. A special meeting of the Association may be called by the Council or on the written request of fifteen members delivered to the Council, the President or the Secretary. The specific purposes of the meeting must be stated in the request.

Section 4. Attendance at annual meetings and participation in the scientific programs shall be optional for all Honorary and Senior Members, but it shall be expected from all Active Members.

Section 5. Each annual meeting shall have at least two executive sessions.

Section 6. When the Association convenes for its annual meeting, it shall immediately go into the first executive session, but the business at this session shall be limited to:

1. Appointment of necessary committees.
2. Miscellaneous business of an urgent nature.

Section 7. The second executive session of the Association shall be held during the afternoon of the second day of the meeting. The business at this session shall include, but is not limited to:

1. Reading or waiver of reading of the minutes of the preceding meetings of the Association and the Council.
2. Report of the Treasurer of the last fiscal year.
3. Audit Report.
4. Report of the Necrology Committee.
5. Report of the Program Committee.
6. Action on amendments to the Articles of Incorporation and By-Laws, if any.
7. Action on recommendations emanating from the Council.
8. Unfinished Business.
9. New Business
10. Report of the Membership Committee.
11. Election of new members.
12. Report of Nominating Committee.
13. Election of officers.

Section 8. Except where otherwise required by law or these By-Laws, all questions at a meeting of the members shall be decided by a majority vote of the members present in person and voting. Voting by proxy is not permitted.

Section 9. Fifty voting members present in person shall constitute a quorum at a meeting of members.

Section 10. While the scientific session of the annual meeting is held primarily for the benefit of the members of the Association, it may be open to non-members who are able to submit satisfactory credentials, who register in a specified manner, and who pay such registration fee as may be determined and published by the Council from year to year.

Section 11. There shall be an annual meeting of the Council held during the annual meeting of the Association. Additional meetings of the Council may be called on not less than seven days^{ETM} prior written or telephonic notice by the President, the Secretary or any three members of the Council.

Section 12. Six members of the Council shall constitute a quorum for the conduct of business at any meeting of the Council, but a smaller number may adjourn any such meeting.

Section 13. Whenever any notice is required to be given to any member of the Council, a waiver thereof in writing, signed by the member of the Council entitled to such notice, whether before or after the time state therein, shall be deemed equivalent thereto.

Section 14. Any action which may be or is required to be taken at a meeting of the Council may be taken without a meeting if a consent in writing, setting forth the action so taken, shall be signed by all of the members of the Council. Any such consent shall have the same force and effect as a unanimous vote at a duly called and constituted meeting.

ARTICLE IX. Indemnification and Directors and Officers

Section 1. The Association shall indemnify any and all of its Councilors (hereinafter in this Article referred to as "directors") or officers or former directors or officers, or any person who has served or shall serve at the Association^{ETM}s request or by its election as a director or officer of another corporation or association, against expenses actually and necessarily incurred by them in connection with the defense or settlement of any action, suit or proceeding in which they, or any of them, are made parties, or a party, by reason of being or having been directors or officers of the Association, or of such other corporation or association, provided, however, that the foregoing shall not apply to matters as to which any such director or officer or former director or officer or person shall be adjudged in such action, suit or proceeding to be liable for willful misconduct in the performance of duty or to such matters as shall be settled by agreement predicated on the existence of such liability.

Section 2. Upon specific authorization by the Council, the Association may purchase and maintain

insurance on behalf of any and all of its directors or officers or former directors or officers, or any person who has served or shall serve at the Association's request or by its election as a director or officer of another corporation or association, against any liability or settlement based on asserted liability, incurred by them by reason of being or having been directors or officers as director or officer of the Association or of such other corporation or association, whether or not the Association would have the power to indemnify them against such liability or settlement under the provisions of Section 1.

ARTICLE X. Papers

Section 1. All papers read before the Association shall become the property of the Association.

Authors shall provide original or electronic copies of their manuscripts to the Editor, prior to the time of presentation, for consideration for publication in the official Journal.

Section 2. When the number of papers makes it desirable, the Council may require authors to present their papers in abstract, and may set a time limit on discussions.

ARTICLE XI. Initiation Fees, Dues and Assessments

Section 1. Honorary Members of the Association are exempt from all initiation fees, dues, and assessments.

Section 2. Annual dues for Active Members shall be established by the Council and shall include a year's subscription to THE JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY.

Section 3. Senior Members are exempt from dues.

Section 4. The initiation fee for those elected directly to Active Membership shall be established by the Council.

Section 5. Active Members must subscribe to THE JOURNAL OF THORACIC AND CARDIOVASCULAR

SURGERY to retain their membership status.

Section 6. Subscription to THE JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY is optional for Senior Members.

Section 7. Bills for membership dues and for subscriptions to THE JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY will be mailed to members by the Treasurer at the beginning of the fiscal year.

ARTICLE XII. Parliamentary Procedure

Except where otherwise provided in these By-Laws or by law, all parliamentary proceedings at the meetings of this Association and its Council and Committees shall be governed by the then current Sturgis Standard Code of Parliamentary Procedure.

ARTICLE XIII. Amendments

Section 1. These By-Laws may be amended by a two-thirds vote of the members present and voting at an executive session of a properly convened annual or special meeting of the Association provided that the proposed amendment has been moved and seconded by not less than three members at a prior executive session of that meeting or a prior meeting of the Association.

Section 2. These By-Laws may be suspended in whole or in part for a period of not more than twelve hours by a unanimous vote of those present and voting at any regularly convened meeting of the Association.

As amended, May, 2006

DISCLOSURES

L2	Danny Ramzy	Nothing to Disclose
L3	Pavan Atluri	Nothing to Disclose
L4	Leo Mabuchi Gazoni	Nothing to Disclose
L5	Thomas S. Maxey	Nothing to Disclose
L6	Masaki Anraku	Nothing to Disclose
L7	Munir Boodhwani	Nothing to Disclose
L8	Sagar Damle	Nothing to Disclose
1	Tomislav Mihaljevic	Nothing to Disclose
2	Edward John Hickey	Nothing to Disclose
3	Daniel Boffa	Nothing to Disclose
4	Kazuo Shimamura	Nothing to Disclose
5	Diana Aicher	Nothing to Disclose
6	Eric Mendeloff	Nothing to Disclose
7	Munir Boodhwani	Nothing to Disclose
8	Eric E. Roselli	Nothing to Disclose
9	Akira Marui	Nothing to Disclose
10	Mario Vigan	Nothing to Disclose
11	Ruoyu Zhang	Nothing to Disclose
		Yes: financial interest; Thoratec: Trial; Micromed: Trial; Worldheart: Trial;
12	Nicholas G. Smedira	Syncardia:Trial proctor; Abiomed: Trial; Arrow: Consultant; Vital Sensor: Consultant
13	Morgan Leigh Brown	Nothing to Disclose
14	Mark David Peterson	Nothing to Disclose
15	Raja Michael Flores	Nothing to Disclose
16	James Huang	Nothing to Disclose
17	Robert James Cerfolio	Nothing to Disclose
18	Karen M. Harrison-Phipps	Nothing to Disclose
19	Arjun Pennathur	Nothing to Disclose
20	Sam Bastani	Nothing to Disclose
21	Benjamin D. Kozower	Nothing to Disclose
22	K. Robert Shen	Nothing to Disclose
		Yes: financial interest; Chair of the STS Congenital Database Taskforce:
23	Jeffrey Phillip Jacobs	Consultant/Advisory Board; Member of the Board of Directors of Aristotle Inc.:

Consultant/Advisory
Board; Medical Advisor
for Cardio Access Inc.:
Consultant/ Advisory
Board

24	Guido Oppido	Nothing to Disclose
25	Qingyu Wu	Nothing to Disclose
26	Brian L. Reemtsen	Nothing to Disclose
27	Zohair Yousef Al Halees	Nothing to Disclose
28	Zhi Gang Liu	Nothing to Disclose
29	Graham Ronald Nunn	Nothing to Disclose
30	Carl L. Backer	Nothing to Disclose
F1	Godfred Kwame Yankey	Nothing to Disclose
F2	Yusuke Iwata	Nothing to Disclose
F3	Marc Ruel	Nothing to Disclose
F4	Utz Kappert	Nothing to Disclose
F5	Tom C. Nguyen	Nothing to Disclose
F6	George J. Arnaoutakis	Nothing to Disclose
F7	Alessandro Della Corte	Nothing to Disclose
F8	Jerry Braun	Nothing to Disclose
F9	Brian W. Duncan	Nothing to Disclose
F10	Antonio F. Corno	Nothing to Disclose
F11	David Jin	Nothing to Disclose
F12	Aiman Alzetani	Nothing to Disclose
F13	Manoli Iglesias	Nothing to Disclose
F14	Robert J. Korst	Nothing to Disclose
F15	Virginia R. Litle	Nothing to Disclose
F16	George Comas	Nothing to Disclose
F17	Carolyn E. Reed	Nothing to Disclose
F18	Mariana S. De Lorenzo	Nothing to Disclose
F19	Jonathan K. Armstrong	Yes financial interest; Ceremed Inc.: Consultant Shareholder
F20	Igor Tudorache	Nothing to Disclose Yes financial interest; Edwards Lifesciences:
31	A. Marc Gillinov	Consultant; St. Jude Medical: Consultant; Medtronic: Consultant
32	Raja Michael Flores	Nothing to Disclose
33	Mark Krasnik	Nothing to Disclose
34	Hitoshi Ogino	Nothing to Disclose
35	Morgan Leigh Brown	Nothing to Disclose
36	Willem Flameng	Nothing to Disclose

37	Joseph S. Carey	Nothing to Disclose
38	Satoshi Saito	Nothing to Disclose
39	Michael E. Halkos	Nothing to Disclose
40	Todd M. Dewey	Nothing to Disclose
41	Ki-Bong Kim	Nothing to Disclose
42	Rochus Kenichi Voeller	Nothing to Disclose
43	William Richard Burfeind	Nothing to Disclose
44	Nasser K. Altorki	Nothing to Disclose
45	Najib Safieddine	Nothing to Disclose
46	Wael Hanna	Nothing to Disclose
47	Hiroshi Sugimura	Nothing to Disclose
48	Robert Alexander Meguid	Nothing to Disclose
49	Didier Schneiter	Nothing to Disclose
50	Christopher L. Curzon	Nothing to Disclose
51	Koji Kagisaki	Nothing to Disclose
52	Eric Berge	Nothing to Disclose
53	Ardawan Julian Rastan	Nothing to Disclose
54	Tain-Yen Hsia	Nothing to Disclose
55	Andre Brooks	Nothing to Disclose
56	Vladimiro L. Vida	Nothing to Disclose
T1	Zachary N. Kon	Nothing to Disclose
T2	Dudley Hudspeth	Yes financial interest; Boston Scientific: Consultant
T3	Yosuke Ishii	Yes financial interest; Kensey Nash Corporation: Investment Interest
T4	Charles Thomas Klodell	Nothing to Disclose
T5	Antonio F. Corno	Nothing to Disclose
T6	Valluvan Jeevanandam	Yes financial interest; LVAD Technologies: Scientific advisor
T7	Emile N. Brown	Nothing to Disclose
T8	Andr� Plass	Nothing to Disclose
T9	Patrick M. McCarthy	Yes financial interest; Edwards Lifesciences: Investment Interest; Edwards Lifesciences: Speakers Bureau Edwards Lifesciences: Ownership interest; Edwards Lifesciences: Consultant/Advisory Board
T10	Royce Ford Calhoun	Nothing to Disclose