

ACTS 2009
Advanced Cardiac Techniques in Surgery
New York ♦ May 6-7, 2009

Wednesday, May 6th

7:45 – 8:00 AM

Welcome Address

*Valavanur A. Subramanian, MD,
and Gladys George, CEO, Lenox Hill Heart and Vascular Institute*

8:00 – 9:20 AM

Session I (A): Aortic Valve Repair and Hybrid Aortic Arch Repair

Moderators: *Michael J. Mack, MD, Valavanur A. Subramanian, MD,
Hermann Reichenspurner, MD, PhD, and Didier F. Loulmet, MD*

8:00 – 8:15 AM

**Anatomy, Echocardiography, Functional Classification of Aortic
Value Regurgitation and Predictability of Aortic Valve Repair**

Jean-Louis Vanovershelde, MD, PhD

8:15 – 8:45 AM

**Live on Tape: Aortic Valve Repair of Trileaflet Cusp Prolapse and
Bicuspid Valve**

Gébrine El Khoury, MD

8:45 – 9:00 AM

Clinical and Echocardiographic Results of Aortic Valve Repair

Gébrine El Khoury, MD, and Jean-Louis Vanovershelde, MD, PhD

9:00 – 9:20 AM

Live on Tape: Off Pump Hybrid Aortic Arch Repair

Konstadinos A. Plestis, MD, and Richard Green, MD

9:20 – 9:50 AM

Break/Visit Exhibits

9:50 – 11:10 AM

Session I (B): Coronary Bypass Grafting

Moderators: *Michael J. Mack, MD, Husam H. Balkhy, MD,
Gerhard Wimmer-Greinecker, MD, PhD, and
Hermann Reichenspurner, MD, PhD*

9:50 – 10:20 AM

Live on Tape: Total Anastomotic Connector CABG via Sternotomy

Nirav C. Patel, MD, and Husam H. Balkhy, MD

10:20 – 10:35 AM

**TECAB Beating Heart with Flex-A Distal Connector:
Live Narrated Video**

Sudhir P. Srivastava, MD

10:35 – 10:40 AM

**Introduction of First Patient in the World who Underwent LIMA-
LAD TECAB**

Didier F. Loulmet, MD

Wednesday, May 6th (cont'd)

- 10:40 – 10:52 AM **Totally Endoscopic Chest CABG (TECAB): Current Results and Future Directions**
Johannes Bonatti, MD
- 10:52 – 11:04 AM **Clinical Experience with Minimally Invasive Extracorporeal Circulatory (MECC) System in Cardiac Surgery: Live Narrated Video**
Andreas Liebold, MD
- 11:04 – 11:10 AM **Discussion**
- 11:10 AM – 12:20 PM** **Session II: Video Presentations on New Technologies**
Moderators: *Hermann Reichenspurner, MD, PhD*
Valavanur A. Subramanian, MD, and Thierry P. Carrel, MD
- 11:10 – 11:20 AM **The Hexalon System: Facilitating a Hand-sewn Exo-connected Anastomosis**
Baron L. Hamman, MD
- 11:20 – 11:30 AM **External Saphenous Vein Support “EMesh” System for Improving Durability of SVG Graft**
Manny Villafana
- 11:30 – 11:40 AM **“Pulsecath” Ascending Aortic Counterpulsation for High-risk OPCAB**
Massimo A. Mariani, MD, PhD
- 11:40 – 11:50 AM **Thermosensitive Temporary Intracoronary Occlusive Gel “LeGoo™” for OPCAB**
Jean-Marie Vogel
- 11:50 AM – 12:00 PM **Non-invasive Continuous Coronary Sinus Metabolic Monitoring**
Jan Liska, MD
- 12:00 – 12:10 PM **“PLICATH HF” Epicardial Left Ventricular Aneurysm Repair Route to Transcatheter Left Ventricular Aneurysm Repair**
Andrew S. Wechsler, MD
- 12:10-12:20 PM **Applications of Extracellular Matrix (ECM) in Repair of Cardiac Structures**
Robert G. Matheny, MD
- 12:20-1:15 PM **Lunch/Visit Exhibits**

Wednesday, May 6th (cont'd)

1:15 – 3:15 PM

Session III: Aortic Valve Surgery

Moderators: *Lawrence H. Cohn, MD, Nirav C. Patel, MD, Gerhard Wimmer-Greinecker, MD, PhD, and Thierry P. Carrel, MD*

1:15 – 1:27 PM

Risk Assessment Algorithms for Stratifications of High-risk Aortic Stenosis Patients: A Reality Check

Michael J. Mack, MD

1:27 – 1:42 PM

Improving Results in High-risk Aortic Valve Replacement: Mini AVR, Mini Reop AVR and Percutaneous AVR

Lawrence H. Cohn, MD

1:42 – 1:54 PM

The “Perceval Sutureless Valve” Technique and Multicenter Trial Results

Thierry A. Folliguet, MD

1:54 – 2:06 PM

The “Enable Sutureless Valve”: Techniques and Multicenter Trial Results

Thierry P. Carrel, MD

2:06 – 2:16 PM

Minimally Invasive AVR: Surgical Technique Enhancement with Arbor Trilogy Modular Aortic Valve Replacement System

Gerhard Wimmer-Greinecker, MD, PhD

2:16 – 2:26 PM

Advantages of Arbor Trilogy Modular Tissue Valve in Challenging Aortic Root Anatomy

Wolfgang Harringer, MD, PhD

2:26 – 2:38 PM

Robotic Assisted Aortic Valve Decalcification: Paving the Way Toward Totally Endoscopic Sutureless AVR?

Stephen Wildhirt, MD, PhD

2:38 – 2:50 PM

Off-pump Aortic Valve Bypass for High-risk Aortic Valve Stenosis: Current Status

James S. Gammie, MD

2:50 – 3:00 PM

FORCEField™ Novel Technology for Surface Treatment of Mechanical Heart Valves for Inhibition of Platelet Adhesion

Mark Slaughter, MD

3:00 – 3:15 PM

Discussion

3:15 – 3:45 PM

Break/Visit Exhibits

Wednesday, May 6th (cont'd)

3:45 – 5:10 PM

Session IV: Percutaneous Aortic Valve Replacement

Moderators: *Michael J. Mack, MD, Valavanur A. Subramanian, MD, Carlos E. Ruiz, MD, PhD, Alec Vahanian, MD, and Friedrich-W. Mohr, MD, PhD*

3:45 – 4:00 PM

Sapien Edwards Transfemoral Percutaneous AVR: Current Status and Future Directions

Alec Vahanian, MD

4:00 – 4:15 PM

Experience with CoreValve since CE Mark

Carlos E. Ruiz, MD, PhD

4:15 – 4:30 PM

World's Experience with Transapical Aortic Valve

Friedrich-W. Mohr, MD, PhD

4:30 – 4:42 PM

Early Clinical Experience with “Direct Flow” Percutaneous Aortic Valve

Hermann Reichenspurner, MD, PhD

4:42 – 4:57 PM

Other Percutaneous Aortic Valve Systems in Evolution

Michael J. Mack, MD

4:57 – 5:10 PM

Discussion

5:10 – 5:30 PM

Session V: Coronary Surgery

Moderator: *Michael J. Mack, MD*

5:10 – 5:25 PM

Featured Lecture

Syntax Trial: What it Means to the Future of Coronary Surgery

Friedrich-W. Mohr, MD, PhD

5:25 – 5:30 PM

Discussion

5:30 PM

Adjourn

5:30 – 7:30 PM

Reception – Exhibit Hall

ACTS 2009
Advanced Cardiac Techniques in Surgery
New York ♦ May 6-7, 2009

Thursday, May 7th

7:45 – 10:00 AM

Session VI: Aortic and Mitral Valve Repair

Moderators: *Nirav C. Patel, MD, Tomislav Mihaljevic, MD, Douglas Murphy, MD, Gébrine El Khoury, MD, and Friedrich-W. Mohr, MD, PhD*

7:45 – 8:15 AM

Live on Tape: Valve Sparing Aortic Root Repair

8:15 – 8:30 AM

Clinical Results of Valve Sparing Aortic Root Repair

Gébrine El Khoury, MD

8:30 – 9:00 AM

Live on Tape: Mitral Valve Repair, Minithoracotomy Video Assisted Leaflet Preserving Mitral Valve Repair

Friedrich-W. Mohr, MD, PhD

9:00 – 9:30 AM

Robotic Totally Endoscopic Mitral Valve Repair: Live Narrated Video

Douglas Murphy, MD

9:30 – 9:42 AM

Robotic Mitral Valve Repair Program Building: How?

Tomislav Mihaljevic, MD

9:42 – 10:00 AM

Discussion

10:00 – 10:30 AM

Break/Visit Exhibits

10:30 – 12:00 PM

Session VII: Video Presentations on New Techniques & Technologies

Moderators: *Francesco Maisano, MD, Valavanur A. Subramanian, MD, and Hermann Reichenspurner, MD, PhD*

10:30 – 10:40 AM

Transapical Mitral Valve Chordal Repair

Francesco Maisano, MD

10:40 – 10:50 AM

Transcatheter Artificial Chordae Implantation

Uros U. Babic, MD, PhD

10:50 – 10:55 AM

Discussion

Thursday, May 7th (cont'd)

- 10:55 – 11:05 AM **The Mitral Valve Spacer Device: A Catheter-based Intracardiac Implant for Mitral Regurgitation**
Thomas C. Piemonte, MD
- 11:05 – 11:15 AM **Novel Epicardial “Hugging” Device for Functional MR**
Pierluca Lombardi, MD
- 11:15 – 11:25 AM **“BACE” Device for Functional MR: Animal and First In Man O.U.S. Experience**
Jai Raman, MD, PhD
- 11:25 – 11:30 AM **Discussion**
- 11:30 – 11:38 AM **Transcatheter Mitral Valve Replacement: Endovalve**
Robert G. Wilkins, MBChB
- 11:38 – 11:46 AM **“ValveXchange” Device**
Ivan Veseley, PhD
- 11:46 – 11:54 AM **“Cut and Transfer” Basal Chord and Papillary Muscle Relocation for Functional Ischemic Mitral Regurgitation**
Giampiero Esposito, MD
- 11:54 – 12:00 PM **Discussion**
- 12:00 PM – 12:40 PM **Lunch/Visit Exhibits**
- 12:40 – 1:30 PM** **Session VIII: Aortic and Mitral Valve Repair**
Moderators: *Friedrich-W. Mohr, MD, PhD, Michael J. Mack, MD, Didier F. Loulmet, MD, and Alec Vahanian, MD*
- 12:40 – 12:55 PM **Clinical Results of the “Respect Rather Than Resect” Approach for Repair of Posterior Mitral Leaflet Prolapse**
Patrick Perier, MD
- 12:55 – 1:05 PM **Percutaneous E-valve for Mitral Repair: European Experience**
Herman Reichenspurner, MD, PhD
- 1:05 – 1:20 PM **Current Status of Percutaneous Mitral Valve Repair: Annuloplasty, Transventricular and Other Devices in Evolution**
Alec Vahanian, MD
- 1:20 – 1:30 PM **Discussion**

Thursday, May 7th (cont'd)

1:30 – 3:30 PM

Session IX: Atrial Fibrillation

Moderators: *Niv Ad, MD, Ralph J. Damiano, Jr., MD, James Edgerton, MD, and Ranjit Suri, MD*

1:30 – 1:45 PM

The Current State of Surgical Ablation Technology: Is There a Perfect Device?

Ralph J. Damiano, Jr., MD

1:45 – 2:05 PM

Total Thoracoscopic Radiofrequency Epicardial Ablation – “Synergy” AtriCure System

James Edgerton, MD

2:05 – 2:25 PM

Minimally Invasive Maze III Procedure without Aortic Cross Clamping Using Cryoablation Technology

Niv Ad, MD

2:25 – 2:37 PM

Totally Endoscopic Bilateral Port Approach for Atrial Ablation with “Gemini” System and a Novel Atrial Appendage “Closure”

Surindra Mitruka, MD

2:37 – 2:47 PM

Keys to Surgical Ablation: Stamford Experience with The Cardima System

Li Poa, MD

2:47 – 2:57 PM

Convergent Ex-maze: Simultaneous Endo- and Epicardial Approach

Andy C. Kiser, MD

2:57 – 3:07 PM

Hybrid Approach for Atrial Ablation

Mark La Meir, MD

3:07 – 3:30 PM

Roundtable Panel Discussion of Illustrative Cases Paroxysmal, Persistent, or Permanent Atrial Fibrillation: Should we Ablate Differently?

All Faculty Members

3:30 – 3:50 PM

Break/Visit Exhibits

3:50 – 5:35 PM

Session X: Chronic Heart Failure, Percutaneous and Miniaturized LV Assist

Moderators: *Daniel Burkhoff, MD, PhD, and Michael A. Acker, MD*

3:50 – 4:02 PM

Selection for Surgical Ventricular Reconstruction: A New MRI Imaging System Analysis Tool

Marisa Di Donato, MD, PhD

Thursday, May 7th (cont'd)

- 4:02 – 4:14 PM **Acorn Trial Update: Less Invasive Acorn Deployment?**
Michael A. Acker, MD
- 4:14 – 4:26 PM **“ParaCor”: PEERLESS - HF Trial**
Barry K. Rayburn, MD
- 4:26 – 4:38 PM **Impulse Dynamics Cardiac Contractility Modulation for
Chronic Heart Failure**
Daniel Burkhoff, MD, PhD
- 4:38 – 4:50 PM **“Imcardia” Epicardial Device for Modulation of Diastolic LV
Dysfunction**
Amir Elami, MD
- 4:50 – 5:02 PM **Tandem Heart Update**
Howard Cohen, MD
- 5:02 – 5:14 PM **Update on Impella System**
Dan Raess, MD
- 5:14 – 5:26 PM **“CircuLite” Device**
Daniel Burkhoff, MD, PhD
- 5:26 – 5:35 PM **Discussion**
- 5:35 PM** **Adjourn**