

Controversies and Advances in the  
Treatment of Cardiovascular Disease  
The Ninth in the Series

October 1-2, 2009 ♦ The Beverly Hills Hotel

**Wednesday, September 30, 2009**

**6:00 – 8:13 PM**

**Moderated Oral Abstract Session**

Moderators: *Norman Lopor, MD, Mark Urman, MD, Wen Cheng, MD,  
Robert Kass, MD, Hursh Naik, MD and Hooman Madyoon, MD*

6:00 – 6:05 PM

**#304: Bilateral Thoracoscopic Box Maze Procedure for the Treatment of Lone Atrial Fibrillation**

*Surin Mitruka, MD*

6:05 – 6:07 PM

**Discussion**

6:07 – 6:12 PM

**#322: Hybrid Maze: A New Electrophysiology and Surgical Procedure for Pulmonary Vein Isolation in Patients with Permanent Atrial Fibrillation**

*Husam H. Balkhy, MD*

6:12 – 6:14 PM

**Discussion**

6:14 – 6:19 PM

**#314: Minimally Invasive Valve Surgery should be Guided by Preoperative CT and Intra Operative Fluoroscopy/TEE**

*Thomas Molloy, MD*

6:19 – 6:21 PM

**Discussion**

6:21 – 6:26 PM

**#295: Reconstructive Mitral/Tricuspid Valve Procedures in a Countryside Low Volume Hospital: Less Quality?**

*Martin Oberhoffer, MD*

6:26 – 6:28 PM

**Discussion**

6:28 – 6:33 PM

**#305: Minimal Invasive Aortic Valve Replacement with a Sutureless Valve Prosthesis: The Future?**

*Malakh Shrestha, MD*

6:33 – 6:35 PM

**Discussion**

6:35 – 6:40 PM

**#306: Stentless Aortic Valve Replacement Through a Partial Upper Sternotomy**

*Mattia Glauber, MD*

6:40 – 6:42 PM

**Discussion**

6:42 – 6:47 PM

**#325: Reduced Anticoagulation for On-X Heart Valves: A Prospective Multicenter Experience Using Home Monitoring**

*Matthew Campbell, MD*

6:47 – 6:49 PM

**Discussion**

6:49 – 6:54 PM

**#299: Mixed Venous Oxygen Saturation is a Prognostic Marker after Aortic Valve Surgery**

*Rolf Svedjeholm, MD, PhD*

6:54 – 6:56 PM

**Discussion**

6:56 – 7:01 PM

**#302: Is Total Arterial Grafting a Solution for all CABG Patients?**

*Teresa Kieser, MD*

7:01 – 7:03 PM

**Discussion**

Wednesday, September 30, 2009 – Continued

- 7:03 – 7:08 PM **#316: Percutaneous Coronary Interventions in California wth Off-site CABG Services: In-Hospital and One-year Outcomes**  
*Jeffrey B. Milliken, MD*
- 7:08 – 7:10 PM **Discussion**
- 7:10 – 7:15 PM **#301: Transit-Time Flow Predicts Outcomes in CABG Patients: A Series of 1,000 Consecutive Arterial Grafts**  
*Teresa Kieser, MD*
- 7:15 – 7:17 PM **Discussion**
- 7:17 – 7:22 PM **#297: High Resolution ECG-Gated Spiral 64-Slice CT Angiography of the Chest and Pseudoaneurysms Detection: Is There a Controversy?**  
*Federico Bizzarri, MD*
- 7:22 – 7:24 PM **Discussion**
- 7:24 – 7:29 PM **#300: A New Vascular Ring Connector for Open Aortic Dissection Operations**  
*Jeng Wei, MD, MSD*
- 7:29 – 7:31 PM **Discussion**
- 7:31 – 7:36 PM **#308: Is Retrograde Cerebral Perfusion Obsolete?**  
*Joseph M. Arcidi, MD*
- 7:36 – 7:38PM **Discussion**
- 7:38 – 7:43 PM **#310: Can We Treat All Complications after Stenting of Thoracic Aorta?**  
*Piotr Bednarski, MD*
- 7:43 – 7:45 PM **Discussion**
- 7:45 – 7:50 PM **#313: Geometrical Left Ventricular Reconstruction with Novel Indigenous De-Cellularised Bovine Pericardium: Early Experience**  
*Prashant Vaijyanath, MD*
- 7:50 – 7:52 PM **Discussion**
- 7:52 – 7:57 PM **#311: First In Human Experience with Bace Device for Functional Mitral Regurgitation**  
*Jaishankar Raman, MD, PhD*
- 7:57 – 7:59 PM **Discussion**
- 7:59 – 8:04 PM **#307: Left Ventricular Function in Transplanted Hearts: The Relationship Between Cardiac Muscle Mechanics and Blood-Derived Gene Expression Profiles at One Year**  
*Partho Sengupta, MD, DM*
- 8:04 – 8:06 PM **Discussion**
- 8:06 – 8:11 PM **#309: Treatment Algorithm for Pulmonary Hypertension, Diastolic Heart Failure Secondary to Sleep Disordered Breathing**  
*Antonio Q. Chan, MD, MBA*
- 8:11 – 8:13 PM **Discussion**

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**Thursday, October 1, 2009**

7:45 – 8:00 AM

**Welcome Address**

*Gregory P. Fontana, MD, Raj Makkar, MD, P.K. Shah, MD,  
Alfredo Trento, MD, John G. Harold, MD and Dipti Itchhaporia, MD*

**8:00 – 10:30 AM**

**SESSION I**

**Controversies & Advances in the Treatment of Coronary  
Artery Disease**

Moderators: *Raj Makkar, MD, and Gregory P. Fontana, MD*

**Controversies and Advances in the Treatment of Coronary Artery Disease**

8:00 – 8:30 AM

**Appropriateness Criteria for Percutaneous Coronary Intervention**

- 8:00 – 8:10 AM  
**Should be Followed in Clinical Practice**  
*Ralph G. Brindis, MD, MPH*
- 8:10 – 8:20 AM  
**PCI is Already Overly Regulated**  
*Ted Feldman, MD*
- 8:20 – 8:30 AM  
**Crossfire**

8:30 – 9:00 AM

**Stent Thrombosis and Drug Eluting Stents**

- 8:30 – 8:40 AM  
**Mostly a Non-issue**  
*Martin B. Leon, MD*
- 8:40 – 8:50 AM  
**Let us not Forget Valuable Lessons**  
*Renu Virmani, MD*
- 8:50 – 9:00 AM  
**Crossfire**

9:00 – 9:40 AM

**Optimal Treatment of Multivessel CAD**

- 9:00 – 9:10 AM  
**Making the Case for PCI**  
*Jeffrey W. Moses, MD*
- 9:10 – 9:20 AM  
**Making the Case for CABG**  
*Michael J. Mack, MD*
- 9:20 – 9:30 AM  
**Has the SYNTAX Trial Changed my Approach?**  
*Ted Feldman, MD*
- 9:30 – 9:40 AM  
**Crossfire**

Thursday, October 1, 2009 – Continued

9:40 – 10:10 AM

**Optimal Treatment for Left Main CAD**

- 9:40 – 9:50 AM  
**Making the Case for PCI**  
*Spencer B. King III, MD*
- 9:50 – 10:00 AM  
**Making the Case for CABG**  
*Andrew S. Wechsler, MD*
- 10:00 – 10:10 AM  
**Crossfire**

10:10 – 10:20 AM

**Medical Therapy Remains the Best Treatment for Most Patients with CAD**  
*Sanjay Kaul, MD*

10:20-10:30

**Discussion**

*Ralph G. Brindis, MD, MPH*  
*Ted Feldman, MD*  
*Sanjay Kaul, MD*  
*Spencer B. King III, MD*  
*Martin B. Leon, MD*  
*Michael J. Mack, MD*  
*Jeffrey W. Moses, MD*  
*P.K. Shah, MD*  
*Noel Bairey Merz, MD*  
*Renu Virmani, MD*  
*Andrew S. Wechsler, MD*

10:30 – 10:45 AM

**BREAK & VISIT EXHIBITS**

**10:45 AM – 12:30 PM**

**SESSION II**

**British Cardiovascular Society (BCS) and CAACC**

Moderators: *John G. Harold, MD, Nicholas A. Boon, MA., MD, Huan Gray, MD, and Michael J. Mack, MD*

**Twining of California ACC and British Cardiovascular Society**

Introduced by: *John G. Harold, MD*

10:45 – 11:15 AM

**Delivering Cardiovascular Care in Different Health Care Systems**

- 10:45 – 11:00 AM  
**The UK Experience**  
*Roger Boyle, CBE*
- 11:00 – 11:15 AM  
**The US Experience**  
*Steven E. Nissen, MD*
- 11:15 – 11:30 AM  
**Discussion**  
*Nicholas A. Boon, MA, MD*  
*Alfred A. Bove, MD, PhD*  
*Roger Boyle, CBE*  
*Huan Gray, MD*  
*John G. Harold, MD*  
*Dipti Itchhaporia, MD*  
*John C. Lewin, MD*

Thursday, October 1, 2009 – Continued

11:30 AM – 12:30 PM

**Healthcare Panel: Cardiovascular Advances and the Future of Healthcare**

Special Guest Moderator: *Larry King*

- **Part I: Future Treatments of Cardiovascular Disease**

*P.K. Shah, MD*

*Gregory P. Fontana, MD*

*Raj Makkar, MD*

*Martin B. Leon, MD*

*Michael J. Mack, MD*

*Spencer B. King III, MD*

- **Part II: How can we Afford it?**

*Alfred A. Bove, MD, PhD*

*Rita F. Redberg, MD*

*Roger Boyle, CBE*

*John G. Harold, MD*

*John C. Lewin, MD*

*Steven E. Nissen, MD*

12:30 – 1:30 PM

**LUNCH**

1:30 – 3:45 PM

**SESSION III**

**Controversies & Advances in the Treatment of Aortic Valve**

Moderators: *Martin B. Leon, MD, and William F. Northrup III, MD*

- Transcatheter and Minimally Invasive Approaches
- Aortic Valve Repair

1:30 – 1:50 PM

**Future Treatment of Aortic Valve Disease**

*Martin B. Leon, MD*

1:50 – 3:00 PM

**Which Transcatheter Valve Works Best for Aortic Stenosis?**

- 1:50 – 2:00 PM

**Sapien**

*Raj Makkar, MD*

- 2:00 – 2:10 PM

**CoreValve**

*Maurice Buchbinder, MD*

- 2:10 – 2:20 PM

**Transapical AVR: An Optimal Alternative, or Inferior Approach?**

*Gregory P. Fontana, MD*

- 2:20 – 2:30 PM

**Next Generation Aortic Valve Devices**

*Michael J. Mack, MD*

- 2:30 – 2:45 PM

**Cardiac Pathology and Transcatheter Valves: Questions and Concerns**

*Renu Virmani, MD*

- 2:45 – 3:00 PM

**Discussion**

*Gregory P. Fontana, MD*

*Martin B. Leon, MD*

*Michael J. Mack, MD*

*Raj Makkar, MD*

*Hans-Joachim Schäfers, MD, PhD*

*Magdi Yacoub, MD*

Thursday, October 1, 2009 – Continued

3:00 – 3:20 PM

**Repairing the Aortic Valve: Concepts, Case Selection, and Results**  
*Hans-Joachim Schäfers, MD, PhD*

3:20 – 3:45 PM

**Keynote Lecture**  
**Is the Ross Procedure an Ideal Operation in Adults?**  
*Magdi Yacoub, MD*

3:45 – 4:00 PM

**BREAK & VISIT EXHIBITS**

4:00 – 5:00 PM

**SESSION IV**  
**Conflicts of Interest in Medicine Today**  
Moderators: *Frank Litvack, MD, and Andrew S. Wechsler, MD*

- 4:00 – 4:10 PM  
**The Problem is Serious and Requires Aggressive Regulation and Enforcement**  
*Rita F. Redberg, MD*
- 4:10 – 4:20 PM  
**Current Regulations are Unnecessary and Stifling Innovation**  
*Michael J. Mack, MD*
- 4:20 – 5:00 PM  
**The Role of Industry, Societies, and the Physicians**  
*Alfred A. Bove, MD, PhD*  
*John C. Lewin, MD*  
*Sydney A. Cohen, MD PhD*  
*Chip Hance, MBA*  
*Christopher White, JD*  
*Charles Simonton, MD*

5:00 – 6:00 PM

**SESSION V**  
**Structural Heart Disease: Percutaneous Closure of the Left Atrial Appendage**  
Moderators: *Jonathan Tobis, MD, and Saibal Kar, MD*

- 5:00 – 5:10 PM  
**Not Ready for Routine Use**  
*Sanjay Kaul, MD*
- 5:10 – 5:20 PM  
**Data Supports FDA Approval**  
*Mark Reisman, MD*
- 5:20 – 5:30 PM  
**Crossfire**  
*Ted Feldman, MD*  
*Mark Reisman, MD*  
*Sanjay Kaul, MD*

*Thursday, October 1, 2009 – Continued*

5:30 – 6:00 PM

**Percutaneous AAA Repair**

Moderators: *Suhail Y. Dohad, MD, Bruce L. Gewertz, MD and  
Hooman Madyoon, MD*

- 5:30 – 5:40 PM

**Has Become the Default Treatment?**

*Robert M. Bersin, MD*

- 5:40 – 5:50 PM

**Endovascular AAA is the Default Procedure but...**

*David V. Cossman, MD*

- 5:50 – 6:00 PM

**Crossfire**

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**Friday, October 2, 2009**

7:30 – 7:35 AM

**Announcements**

*Gregory P. Fontana, MD, and Raj Makkar, MD*

**7:35 – 9:00 AM**

**SESSION VI**

**Controversies in Cardiac Electrophysiology**

Moderators: *Sumeet Chugh, MD, Douglas P. Zipes, MD, Gregory P. Fontana, MD,  
and Husam H. Balkhy, MD, Eli S. Gang, MD*

7:35 – 8:25 AM

**Optimal Management of Atrial Fibrillation**

- 7:35 – 7:45 AM  
**Pulmonary Vein Isolation is an Effective Therapy: Spare the Catheter and Spoil the Atrial Fibrillation**  
*John Day, MD*
- 7:45 – 7:55 AM  
**Epicardial Approaches for Ablation are Superior to Endocardial**  
*Gregory P. Fontana, MD*
- 7:55 – 8:05 AM  
**Hybrid Approach is the Optimal Solution**  
*Husam H. Balkhy, MD*
- 8:05 – 8:15 AM  
**The Jury is Still Out: Drugs Will Win the Day**  
*Michael Shehata, MD*
- 8:15 – 8:25 AM  
**Crossfire**

8:25 – 8:55 AM

**Sudden Death in the Young Athlete: Screen and you will Save Lives**

- 8:25 – 8:35 AM  
**Protagonist**  
*Douglas P. Zipes, MD*
- 8:35 – 8:45 AM  
**Antagonist**  
*Sumeet Chugh, MD*
- 8:45 – 8:55 AM  
**Crossfire**

8:55 – 9:25 AM

**The Implantable Defibrillator: Present and Future**

- 8:55 – 9:05 AM  
**Conventional ICD: A Useful Therapy that is Here to Stay**  
*Charles D. Swerdlow, MD*
- 9:05 – 9:15 AM  
**Leadless ICD: Skin Deep, but will Replace Conventional ICD**  
*Andrew Grace, MB, BS, PhD*
- 9:15 – 9:25 AM  
**Crossfire**

Friday, October 2, 2009 – Continued

9:25 – 9:55 AM

**The Brugada Pattern ECG and Risk of Sudden Death**

- 9:25 – 9:35 AM  
**When to Act Upon It**  
*Xunzhang Wang, MD*
- 9:35 – 9:45 AM  
**When to Refrain**  
*Andrew Grace, MB, BS, PhD*
- 9:45 – 9:55 AM  
**Crossfire**  
*Sumeet Chugh, MD*  
*Douglas P. Zipes, MD*  
*John Day, MD*  
*Xunzhang Wang, MD*  
*Michael Shehata, MD*  
*Andrew Grace, MB, BS, PhD*  
*Charles D. Swerdlow, MD*  
*Husam H. Balkhy, MD*

**9:55 – 10:10 AM**

**BREAK & VISIT EXHIBITS**

10:10 – 10:40 AM

**Featured Lecture**  
**Prevention of Atherosclerosis**  
*John Deanfield, MD*

10:40 – 11:00 AM

**Keynote Lecture**  
**The Impact of Air Pollution on Cardiovascular Health**  
*Nicholas A. Boon, MA, MD*

**11:10 AM – 12:15 PM**

**SESSION VII**  
**Controversies & Advances in the Treatment of Mitral Valve Disease**

11:00 AM – 12:00 PM

**Case Presentation: Percutaneous and Mitral Valve Repair and Replacement, and Robotic Mitral Valve Surgery**  
Moderators: *Michael J. Mack, MD, and Saibal Kar, MD*

**How Should we Repair Mitral Regurgitation?**

- 10:50 – 11:00 AM  
**Percutaneous Edge-to-edge Repair**  
*Saibal Kar, MD*
- 11:00 – 11:10 AM  
**Percutaneous Treatments of the Mitral Valve: Beyond Edge-to-Edge**  
*Ted Feldman, MD*
- 11:10 – 11:20 AM  
**What is the Future Role of the Surgeon?**  
*Alfredo Trento, MD*
- 11:20 – 11:50 AM  
**Round Table Discussion**

12:00 – 12:15 PM

**Echocardiography in guiding cardiac intervention- the 5<sup>th</sup> dimension**  
*Robert J. Siegel, MD*

Friday, October 2, 2009 – Continued

12:15 – 1:15 PM

**LUNCH**

**Keynote Luncheon Lecture**

**Gene Therapy for Atherosclerosis: Will it Live Up to its Promise?**

*P.K. Shah, MD*

1:15 – 2:30 PM

**SESSION VIII**

Moderators: *Sinan A. Simsir, MD, P.K. Shah, MD, and Kirsten Tolstrup, MD*

1:15 – 2:15 PM

**Controversies & Advances in the Treatment of Congestive Heart Failure**

- **Will Assist Devices Replace Transplantation and Much of Current Medical Management within 10 Years?**
- **Are we at the End of the Line with Drug Therapy?**
- **Where Does Cell Therapy Fit in Future Management?**

- 1:15 – 1:25 PM

**Are we at the End of the Line with Drug Therapy?**

*Uri Elkayam, MD*

- 1:25 – 1:35 PM

**Ambulatory Monitoring: Has it Worked?**

*Neal Eigler, MD*

- 1:35 – 1:45 PM

**Has the STITCH Trial Revealed a Surgical Option?**

*Andrew S. Wechsler, MD*

- 1:45 – 1:55 PM

**Indications for Assist Devices as Bridge to Transplantation or Destination Therapy**

*Joseph G. Rogers, MD*

- 1:55 – 2:15 PM

**Crossfire**

*Roberta C. Bogaev, MD*

*Lawrence S. Czer, MD*

*Uri Elkayam, MD*

*Joseph G. Rogers, MD*

*Ernst R. Schwarz, MD, PhD*

*P.K. Shah, MD*

*Sinan A. Simsir, MD*

2:15 – 2:30 PM

**Heart Failure in Women**

*Roberta C. Bogaev, MD*

2:30 – 4:00 PM

**SESSION IX**

Moderators: *Eduardo Marbán, MD, PhD, James S. Forrester, MD, and Magdi Yacoub, MD*

2:30 – 2:50 PM

**Keynote Lecture**

**Cardiac Cell Therapy**

*Eduardo Marbán, MD, PhD*

Friday, October 2, 2009 – Continued

2:50 – 3:45 PM

**Advances in Cell Therapies: What is Critical in Cellular Repair, Cell or the Matrix?**

- 2:50 – 3:00 PM  
**Finding the Right Cell is the Key to Success for Full Myocardial Repair**  
*James S. Forrester, MD*
- 3:00 – 3:10 PM  
**The Answer is in Creating the Optimal Matrix**  
*Robert G. Matheny, MD*
- 3:10 – 3:20 PM  
**Can Stem Cells be used to Grow Autologous Valves or Does it Just Require the Right Matrix?**  
*Magdi Yacoub, MD*
- 3:20 – 3:45 PM  
**Discussion**

3:45 – 4:00 PM

**BREAK & VISIT EXHIBITS**

4:00 – 6:30 PM

**SESSION X**

**Controversies in Time-Critical Cardiac Conditions**

Moderators: *Ivan C. Rokos, MD, John G. Harold, MD and Huon Gray, MD*

- 4:00 – 4:15 PM  
**12 Tectonic Plates Shaping US STEMI Networks**  
*Ivan C. Rokos, MD*
- 4:15 – 4:30 PM  
**NIAP: Regionalized PPCI in the United Kingdom**  
*Huon Gray, MD*
- 4:30 – 5:00 PM  
**Discussion**  
*Ralph G. Brindis, MD, MPH*  
*William French, MD*  
*John G. Harold, MD*  
*William J. Koenig, MD*  
*Ehtisham Mahmud, MD*

**Cutting Edge: Cardiac Arrest Centers**

Moderators: *Ivan C. Rokos, MD, Huon Gray, MD and Dipti Itchhaporia, MD*

- 5:00 – 5:15 PM  
**Minneapolis: Cooring Rx and PPCI**  
*Michael Mooney, MD*
- 5:15 – 5:30 PM  
**New York City Hypothermia Network**  
*Stephan A. Mayer, MD*
- 5:30 – 6:30 PM  
**Discussion**  
*Ori Ben-Yehuda, MD*  
*Dipti Itchhaporia, MD*  
*David Palestrant, MD*  
*Ivan C. Rokos, MD*  
*Huon Gray, MD*

7:00 PM

**California ACC 20<sup>th</sup> Anniversary Dinner with entertainment by Bob Saget**