

27<sup>th</sup> Annual  
**Cardiovascular Interventions 2016**

November 8 - 11, 2016  
Hilton La Jolla Torrey Pines, La Jolla, California

**Scientific Program**

**Tuesday, November 8, 2016**

**Pre-Conference Seminar**

**8:00 AM – 4:45 PM in the Fairway Ballroom**

*Sponsored by Abiomed, Inc. (This activity is not included in CME hours.)*

- 8:00 AM                    **Welcome**  
*Paul S. Teirstein, MD*
- 8:05 AM                    **A Compelling Case for Complex PCI in the Modern Era**  
    ▪ CHIP and protected PCI with Impella  
*William Lombardi, MD*
- 8:30 AM                    **Patient Identification Appropriate for Protected PCI**  
    ▪ Lessons learned from clinical trials  
    ▪ Best practices for protected PCI  
*Perwaiz Meraj, MD*
- 9:00 AM                    **What is the Appropriate Revascularization Strategy?**  
    ▶ Complete Revascularization Leads to Improved Outcomes  
*Jeffrey W. Moses*
- 9:30 AM                    ▶ Staging is Safer for our Patients  
*Paul S. Teirstein, MD*
- 10:00 AM                  ▶ Discussion
- 10:15 AM                  **Break**
- 10:45 AM                  **Cognitive and Technical Skills Required to Treat These Patients**  
    ▪ For implanters/CCL  
    ▪ Non-implanters/ICU  
    ▪ Heart team (Patient Management)  
*Ashish Pershad, MD*
- 11:15 AM                  **Institutional Steps Required to Build a Protected PCI Program**  
    ▪ Heart team approach  
    ▪ Protocols and algorithms  
    ▪ Outreach programs  
*Anthony Hilliard, MD*
- 11:45 AM                  **Lunch with hands-on simulation**
- 1:00 PM                    **Access Management**  
*Amir Kaki, MD*

- 1:15 PM                    **Advanced Access Alternatives**  
*James McCabe, MD*
- 1:30 PM                    **Understanding the Effects of Hemodynamic Support for Protected PCI CHIP**  
*Daniel Burkhoff, MD, PhD*
- 1:45 PM                    **Challenging Case Presentations with Simulation**  
Moderator:                *Paul S. Teirstein, MD*  
Case Presenters:        *James McCabe, MD*  
                                  *Ashish Pershad, MD*  
                                  *Perwaiz M. Meraj, MD*  
                                  *William Lombardi, MD*
- 3:00 PM                    **Contemporary Look at the Treatment of Cardiogenic Shock**
  - Controversies in AMI cardiogenic shock
  - Stabilizing hemodynamics & unloading the left ventricle – a new FDA indicated treatment option
  - Practical insights for adding hemodynamic support into the clinical care path*Jeffrey W. Moses, MD*
- 3:30 PM                    **Timing of Hemodynamic Support and Escalation of Therapy**  
*Perwaiz M. Meraj, MD*
- 4:00 PM                    **Shock Team Approach to Treating AMICGS**
  - Developing algorithms
  - Training and competency requirements*Ajay V. Srivastava, MD*
- 4:30 PM                    **Closing Comments**
- 4:45 PM                    **Hands-on Workshops & Reception**
  - Vascular model
  - Simulation
  - Large bore closure

**Dinner Symposium**

**6:00 – 8:00 PM in the Fairway Ballroom**

**PCI – Precision Coronary Interventions: The Role of Physiology and Imaging**

*Co-sponsored by ACIST Medical Systems and Medtronic (This activity is not included in CME hours.)*

**Welcome & Appropriate Use of Physiology and Imaging in PCI: Precision Coronary Interventions**

*Paul S. Teirstein, MD*

**The Value of Rapid Exchange Microcatheter-based FFR in Multi-lesions, Multi-vessels and Post-PCI**

*Matthew J. Price, MD*

**The Importance of High Definition IVUS in Complex and Higher Risk Indicated PCI**

*Ziad Ali, MD, DPhil*

**Wrap Up/Conclusion**

Moderator: *Paul S. Teirstein, MD*

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**Wednesday, November 9, 2016**

**Breakfast Symposium**

**7:30 – 9:00 AM in the Fairway Ballroom**

**Transforming Care in the Cath Lab with Transradial Angiography and Intervention:  
Clinically, Operationally, and Economically**

*Sponsored by Terumo Interventional Systems (This activity is not included in CME hours.)*

**How and Why a Major Academic Center Drove Rapid Radial Adoption**

*Amir Kaki, MD*

**Why Radial and Same Day Discharges Are So Important in this Current Healthcare Climate**

*Amit P. Amin, MD, MSc*

**Why Radial for Complex Cases in Women**

*Jennifer A. Tremmel, MD, MS*

**Satellite Symposium**

**9:30 – 10:30 AM in the Fairway Ballroom**

**The Role of Antiplatelet Therapy in Contemporary PCI**

*Sponsored by Chiesi USA Inc. (This activity is not included in CME hours.)*

**Faculty:**

*Amit P. Amin, MD, MSc*

*Matthew J. Price, MD*

**Understanding the Need for Platelet Inhibition During PCI**

**Review the Clinical Data for IV P2Y<sub>12</sub> Antiplatelet Therapy and the Role of Antiplatelet Therapy in Current Practice**

## **Lunch Symposium**

**11:00 AM – 1:00 PM in the Fairway Ballroom**

### **The Evolving Role of iFR/FFR in Guiding Coronary PCI**

*Sponsored by Philips Volcano (This activity is not included in CME hours.)*

Moderators: *Paul S. Teirstein, MD, Matthew J. Price, MD*

#### **iFR Outcomes Studies: An Update on DEFINE FLAIR & the SYNTAX II Studies**

*Bruce Samuels, MD*

#### **How Co-registration Will Change the Way We Think About Lesion-level Physiology**

*Justin E. Davies, MD, PhD*

#### **Controversies with iFR/FFR Mismatch – Is There a Right Answer?**

*Allen Jeremias, MD, MSc*

#### **It's Not All About the Epicardial Vessel! Pay Attention to the Microvasculature**

*Bruce Samuels, MD*

12:00 PM                      **General Symposium Registration Open in the Grande Ballroom Foyer**

1:30 PM                      **Live Cases 1 & 2 from Scripps Clinic**

Panel: *Ziad Ali, MD, DPhil*  
*Justin E. Davies, MD, PhD*  
*Allen Jeremias, MD, MSc*  
*Morton J. Kern, MD*  
*Matthew J. Price, MD*  
*Bruce Samuels, MD*  
*Curtiss T. Stinis, MD*

**The Case for Routine Intravascular Imaging: Clinical Outcomes Data Keeps Accumulating, Are We Responding?**

*Ziad Ali, MD, DPhil*

**Physiologic Lesion Assessment is Now an Essential Skill: How to Be an Expert – Caveats and Shortcuts**

*Nils Johnson, MD, MS*

**FFR Tips, Tricks and Pitfalls: How to Deal with Challenging Anatomy**

*Morton J. Kern, MD*

3:30 PM                      **Break & View Exhibits**

4:00 PM

**Live Cases 3 & 4 from Scripps Clinic**

Panel: *Ziad Ali, MD, DPhil*  
*Justin E. Davies, MD, PhD*  
*Allen Jeremias, MD, MSc*  
*Nils Johnson, MD, MS*  
*Morton J. Kern, MD*  
*Matthew J. Price, MD*  
*Bruce Samuels, MD*  
*Curtiss T. Stinis, MD*

**Bifurcation Approaches Made Simple**

*Curtiss T. Stinis, MD*

**Tips and Tricks for PCI Success**

*Curtiss T. Stinis, MD*

**Certification Update: The MOC Controversy Rages On**

*Paul S. Teirstein, MD*

**Meet the Experts Reception**

**6:00 – 7:00 PM in the Grande Ballroom Foyer**

*Sponsored by Boston Scientific (This activity is not included in CME hours.)*

**Faculty**

*William Lombardi, MD*  
*Ashish Pershad, MD*  
*Curtiss T. Stinis, MD*  
*Paul S. Teirstein, MD*

**Dinner Symposium**

**7:00 – 9:00 PM in the Fairway Ballroom**

**Great Cases in Interventional Cardiology: Complications, Difficult Decisions,  
Challenging Anatomy, and More!**

*Sponsored by Medtronic (This activity is not included in CME hours.)*

**Session Chairs:**

*Ziad Ali, MD, DPhil*  
*Curtiss T. Stinis, MD*  
*Paul S. Teirstein, MD*  
*Jennifer A. Tremmel, MD, MS*

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**Thursday, November 10, 2016**

**Breakfast Symposium**

**6:30 – 7:30 AM in the Fairway Ballroom**

**Intravascular Imaging to Optimize BVS and Metallic Stents: An OCT Workshop**

*Sponsored by St. Jude Medical (This activity is not included in CME hours.)*

**How to Optimize BVS Implantation with OCT**

*Ziad Ali, MD, DPhil*

**How to Optimize Metallic Stent Implantation with OCT**

*Matthew J. Price, MD*

**PCI Optimization: Case Examples**

*Ziad Ali, MD, DPhil*

6:30 AM **Continental Breakfast and View Exhibits**

7:30 AM **Live Cases 5 & 6 from Scripps Clinic**

Panel: *Justin E. Davies, MD, PhD*

*Jack J. Hall, MD*

*Matthew J. Price, MD*

*Curtiss T. Stinis, MD*

*Paul S. Teirstein, MD*

*Jennifer A. Tremmel, MD, MS*

**Show Me the Data: Key Clinical Trials of 2016**

*Ehtisham Mahmud, MD*

**When Are ‘Normal’ Coronary Arteries Not Normal? The Role of Vasomotor Reactivity Testing**

*Jennifer A. Tremmel, MD, MS*

**Transcatheter Mitral Valve Repair: Patient Selection and Clinical Outcomes**

*Matthew J. Price, MD*

9:30 AM **Break & View Exhibits**

10:00 AM

**Live Cases 7 & 8 from St. Francis Medical Center, New York, NY**

**Live Operators:** *Jeffrey W. Moses, MD*  
*Richard Shlofmitz, MD*

Panel: *Justin E. Davies, MD, PhD*  
*Jack J. Hall, MD*  
*James Hermiller, MD*  
*Matthew J. Price, MD*  
*Curtiss T. Stinis, MD*  
*Paul S. Teirstein, MD*  
*Jennifer A. Tremmel, MD, MS*

**Unprotected Left Main PCI Update**

*Paul S. Teirstein, MD*

**Transcatheter Aortic Valve Replacement (TAVR) Update: New Data, Lower Risk Patients**

*Paul S. Teirstein, MD*

12:00 PM

**Lunch in the Fairway Ballroom**

**How Interventional Cardiology Changed Cardiovascular Care**

*James S. Forrester, MD*

**Challenging Cases Panel Discussion**

Panel: *Justin E. Davies, MD, PhD*  
*Jack J. Hall, MD*  
*James Hermiller, MD*  
*Matthew J. Price, MD*  
*Curtiss T. Stinis, MD*  
*Paul S. Teirstein, MD*  
*Jennifer A. Tremmel, MD, MS*

1:30 PM

**Live Cases 9 & 10 from Scripps Clinic**

Panel: *Justin E. Davies, MD, PhD*  
*James Hermiller, MD*  
*Matthew J. Price, MD*  
*Curtiss T. Stinis, MD*  
*Paul S. Teirstein, MD*  
*Jennifer A. Tremmel, MD, MS*

**Radial Access: Why Should I Use it and How do I Make it My Default Strategy?**

*Jennifer A. Tremmel, MD, MS*

**Radial PCI: Getting from the Wrist to the Coronary Lesion – How to Deal with Hostile Anatomy**

*Matthew J. Price, MD*

**Avoiding and Managing Femoral Access Site Complications**

*Curtiss T. Stinis, MD*

3:30 PM

**Break & View Exhibits**

4:00 PM **Live Cases 11 & 12 from Scripps Clinic**

Panel: *James Hermiller, MD*  
*Matthew J. Price, MD*  
*Richard A. Schatz, MD*  
*Curtiss T. Stinis, MD*  
*Paul S. Teirstein, MD*

**Novel Devices for Left Atrial Appendage Closure in Atrial Fibrillation to Prevent Stroke**

*Matthew J. Price, MD*

**Stem Cells for Ischemic Heart Disease**

*Richard A. Schatz, MD*

**Will CT-FFR Radically Change our Approach to the Patient with Ischemic Heart Disease?**

*Jorge Gonzalez Muniz, MD*

6:00 PM **Adjourn**

**Dinner Symposium**

**6:00 PM Reception and Hands-on in the Fairway Ballroom**

**7:00 – 8:00 PM Dinner in the Fairway Ballroom**

**Hands-On Workshop – Get Engaged with the Gear**

*Sponsored by Boston Scientific (This activity is not included in CME hours.)*

**Visit the workstations and interact with new tools for complex intervention**

**Faculty:**

*Jack J. Hall, MD*  
*William Lombardi, MD*  
*Matthew J. Price, MD*  
*David G. Rizik, MD*



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**Friday, November 11, 2016**

**Breakfast Symposium**

**6:30 – 7:30 AM in the Fairway Ballroom**

**Approaching Ideal PCI with Absorb**

*Sponsored by Abbott Vascular (This activity is not included in CME hours.)*

**Faculty:**

*Jeffrey J. Cavendish, MD*

*David G. Rizik, MD*

*Charles A. Simonton, MD*

**Absorb and Unmet Needs in PCI**

**Impact of Technique on Clinical Outcomes**

**Insights from Real World Cases**

6:30 AM **Continental Breakfast & View Exhibits**

7:30 AM **Live Cases 13 & 14 from Scripps**

Panel: *Jack J. Hall, MD*

*Dean J. Kereiakes, MD*

*William Lombardi, MD*

*Matthew J. Price, MD*

*David G. Rizik, MD*

*Curtiss T. Stinis, MD*

*Paul S. Teirstein, MD*

**Long-term Dual Antiplatelet Therapy After Stenting: How Short CAN We Go When Needed...How Long SHOULD We Go if Well Tolerated?**

*Dean J. Kereiakes, MD*

**Bioresorbable Vascular Scaffolds: Clinical Outcomes and Practical Considerations**

*David G. Rizik, MD*

**Bioresorbable Drug Eluting Stents: How to Apply the Latest Real World Data to Your Practice**

*Dean J. Kereiakes, MD*

9:30 AM **Break & View Exhibits**

10:00 AM **Live Cases 15 & 16 from Scripps Clinic**

Panel: *James Hermiller, MD*  
*William Lombardi, MD*  
*Matthew J. Price, MD*  
*David G. Rizik, MD*  
*Curtiss T. Stinis, MD*  
*Paul S. Teirstein, MD*

**Practical Approach to Chronic Total Occlusions Part 1: Step By Step Techniques –  
The Antegrade Approach**

*William Lombardi, MD*

**Practical Approach to Chronic Total Occlusions Part 2: Step By Step Techniques –  
The Retrograde Approach**

*William Lombardi, MD*

12:00 PM **Lunch in the Fairway Ballroom**

**Challenging Cases Panel Discussion**

Panel: *Jack J. Hall, MD*  
*James Hermiller, MD*  
*William Lombardi, MD*  
*Matthew J. Price, MD*  
*David G. Rizik, MD*  
*Curtiss T. Stinis, MD*  
*Paul S. Teirstein, MD*

1:30 PM **Live Cases 17 & 18 from Scripps Clinic**

Panel: *Jack J. Hall, MD*  
*James Hermiller, MD*  
*William Lombardi, MD*  
*Matthew J. Price, MD*  
*Richard Shlofmitz, MD*  
*Curtiss T. Stinis, MD*  
*Paul S. Teirstein, MD*

**Lesion Preparation Prior to Stenting: Tips and Tricks for Successful Rotational  
Atherectomy in Complex Lesions**

*James Hermiller, MD*

**Lesion Preparation Prior to Stenting: The Role of Orbital Atherectomy**

*Richard Shlofmitz, MD*

**Left Ventricular Support During High Risk PCI and Shock: Latest Indications,  
Technique and Outcomes**

*James Hermiller, MD*

3:30 PM **Break & View Exhibits**

4:00 PM

**Live Cases 19 & 20 from Scripps Clinic**

Panel: *Jack J. Hall, MD*

*James Hermiller, MD*

*William Lombardi, MD*

*Matthew J. Price, MD*

*David G. Rizik, MD*

*Richard Shlofmitz, MD*

*Curtiss T. Stinis, MD*

*Paul S. Teirstein, MD*

**The Growing Role of OCT in PCI**

*Richard Shlofmitz, MD*

**PCI for STEMI: Fix the Culprit Lesion, or Fix All of the Lesions**

*James Hermiller, MD*

**Public and Physician Unawareness of Medical Reimbursement for Common Hospital Procedures**

*Richard A. Schatz, MD*

6:00 PM

**Final Adjournment**