### Impella: Advanced Use and Understanding of Percutaneous Hemodynamic Support

**Tuesday, November 7, 2017**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:30 AM</td>
<td>Welcome&lt;br&gt;<em>Paul S. Teirstein, MD</em></td>
</tr>
<tr>
<td>8:35 AM</td>
<td>High-Risk PCI: Should We be Treating More Patients with PCI?&lt;br&gt;<em>James McCabe, MD</em></td>
</tr>
<tr>
<td>9:15 AM</td>
<td>What is the Appropriate Revascularization Strategy for Protected PCI?&lt;br&gt;- Complete Revascularization vs. Staged Procedures&lt;br&gt;<em>Tony J. DeMartini, MD</em></td>
</tr>
<tr>
<td>9:35 AM</td>
<td>Preventing AKI: Using Impella in Patients with Renal Dysfunction&lt;br&gt;<em>Michael P. Flaherty, MD, PhD</em></td>
</tr>
<tr>
<td>10:00 AM</td>
<td>Break</td>
</tr>
<tr>
<td>10:15 AM</td>
<td>Basics of Hemodynamic Principles: Introduction to TEACH&lt;br&gt;<em>Daniel Burkhoff, MD, PhD</em></td>
</tr>
<tr>
<td>11:00 AM</td>
<td>Case Presentations&lt;br&gt;- CTO’s and Atherectomy: The Role of Mechanical Circulatory Support with Hemodynamic Simulation&lt;br&gt;<em>Tony J. DeMartini, MD</em></td>
</tr>
<tr>
<td>11:15 AM</td>
<td>UPLM or MVD With Moderately Reduced EF with Hemodynamic Simulation&lt;br&gt;<em>Michael P. Flaherty, MD, PhD</em></td>
</tr>
</tbody>
</table>
11:30 AM  Axillary Insertion of Impella  
James McCabe, MD

11:50 AM  Panel Discussion

12:00 PM  Lunch

12:45 PM  Essential Elements for Building a Leading Protected PCI Program
- HeartTeam Approach
- Protocols and Algorithms
- Outreach Programs
- Protected PCI Coordinator
Mark Goodwin, MD

1:05 PM  Panel Discussion on Protected PCI Key Take Home Messages

Contemporary Look at the Treatment of Cardiogenic Shock

1:15 PM  Pharmacologic and Device-Based Approaches to Acute Heart Failure and Cardiogenic Shock: Treating Patients with Pressors, IABP, Impella, and ECMO
Daniel Burkhoff, MD, PhD

1:45 PM  War on Shock: Building the Team of Teams
Alexander Truesdell, MD

2:15 PM  Door-to-Door Support: A New Quality Metric
Perwaiz Meraj, MD

2:35 PM  Choosing MCS Options in AMI Cardiogenic Shock: Rationale for Impella First
Alexander Truesdell, MD

2:55 PM  Break

3:15 PM  Practical Insights for Adding Hemodynamic Support Into Your Critical Care Path: The Detroit Cardiogenic Shock Initiative (CSI) Experience
Babar Basir, DO

3:45 PM  Information Gleaned from Using a RHC
Ajay Srivastava, MD

Case Presentations on CGS:
- Early Support Made a Difference (A Case from Detroit CSI)
  Babar Basir, DO
- I Waited Too Long
  Alexander Truesdell, MD
- Right and Left Ventricular Support
  Perwaiz Meraj, MD

4:45 PM  Panel Discussion on Key Take-Away Messages
Paul S. Teirstein, MD

5:00 PM  Reception in the Fairway Garden
Dinner Symposium
6:00 – 8:00 PM in the Fairway Ballroom

New Technology for Transcatheter Aortic Valve Replacement with “Hands-On” Opportunities
(This activity is not included in CME hours.)

What I Like About the Abbott Portico Valve
Raj Makkar, MD, FACC

What I Like About the Boston Scientific Lotus and Symetis Valves
Ian T. Meredith, AM

What I Like About the Medtronic Evolut Valve
Curtiss T. Stinis, MD

What I Like About the Edwards Sapien Valve
Paul S. Teirstein, MD
Wednesday, November 8, 2017

Breakfast Symposium
7:30 – 9:00 AM in the Fairway Ballroom

What's Next for Transradial? Achieving Better Clinical and Economic Outcomes for STEMI
Sponsored by Terumo Interventional Systems (This activity is not included in CME hours.)

Moderator: Matthew J. Price, MD

Tips and Tricks for Building a Radial STEMI Practice
Mauricio G. Cohen, MD

Cardiovascular Care Transformation for STEMIs: The Balance of Quality and Value
Amit Amin, MD, MSc

The Major Role of Cost and Quality in the New AMI Bundle Environment
Larry Sobal

Satellite Symposium
9:30 – 10:30 AM in the Fairway Ballroom

Antiplatelet Therapy for High-Risk PCI Patients
Sponsored by Chiesi USA, Inc. (This activity is not included in CME hours.)

Understand the Need for Platelet Inhibition During PCI: Identify the Biologic Targets to Achieve Platelet Inhibition
Matthew J. Price, MD

Review the Clinical Data and Current Clinical Guideline Recommendations for Antiplatelet Therapy
Mitul Patel, MD
Lunch Symposium  
11:00 AM – 1:00 PM in the Fairway Ballroom

**Advancements in Complex PCI: Case Reviews and Latest Hot Topics**  
*Sponsored by Abbott Vascular (This activity is not included in CME hours.)*

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
</table>
| 11:15 AM | Course Welcome, Overview, Objectives  
Mark Goodwin, MD |
| 11:20 AM | Scope of Complex PCI and How to Advance Physician Skillsets?  
Mark Goodwin, MD |
| 11:35 AM | Utilizing Imaging to Optimize Procedural Success  
Ziad Ali, MD, DPhil |
| 11:55 AM | Emerging Tools and Techniques in Complex PCI  
David Rizik, MD |
| 12:15 PM | Hot Topics in Physiology: The Debate Continues  
Ziad Ali, MD, DPhil |
| 12:30 PM | Comments and Questions |

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  
Mark Goodwin, MD  
Morton Kern, MD  
Ashish Pershad, MD  
Paul S. Teirstein, MD

**IVUS Imaging Caveats: How IVUS Should be Integrated Into Your Practice?**  
Ziad Ali, MD, DPhil

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

**Radiation Safety in the Cath Lab**  
Paul S. Teirstein, MD

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

4:00 PM  
**Live Cases 3 & 4 from Scripps Clinic**  
Panel:  
Mark Goodwin, MD  
Morton Kern, MD  
Ashish Pershad, MD  
Curtiss T. Stinis, MD

**Supported PCI: Case Selection and Outcomes**  
Mark Goodwin, MD

**Bifurcation Approaches Made Simple**  
Curtiss T. Stinis, MD

**Tips and Tricks for PCI Success**  
Curtiss T. Stinis, 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.)

Moderator: Paul S. Teirstein, MD
Faculty: William Lombardi, MD
        Ashish Pershad, MD
        Curtiss T. Stinis, 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, Inc. (This activity is not included in CME hours.)

Session Chairs: Ziad Ali, MD, DPhil, Curtiss T. Stinis, MD, Paul S. Teirstein, MD
Thursday, November 9, 2017

Breakfast Symposium
6:30 – 7:30 AM in the Fairway Ballroom

The Evolving Role of Physiology and Imaging in the Cath Lab
Sponsored by ACIST Medical Systems in co-promotion with Medtronic
(This activity is not included in CME hours.)

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Presenter</th>
</tr>
</thead>
<tbody>
<tr>
<td>6:30</td>
<td>Welcome / Coronary Physiology and Imaging in the Lab: The Best of Times for New Technologies and New Outcomes</td>
<td>Morton Kern, MD</td>
</tr>
<tr>
<td>6:35</td>
<td>Approaches to Coronary Physiology: FFR, Contrast FFR, Pd/Pa and iFR – When to Use What</td>
<td>Morton Kern, MD</td>
</tr>
<tr>
<td>6:50</td>
<td>Rapid Exchange FFR Microcatheter – the Value in Complex- and Post-PCI</td>
<td>Matthew J. Price, MD</td>
</tr>
<tr>
<td>7:05</td>
<td>HD-IVUS in Complex PCI – The Advantage of Seeing More</td>
<td>Ziad Ali, MD, DPhil</td>
</tr>
<tr>
<td>7:20</td>
<td>Wrap-Up / Q&amp;A</td>
<td>Morton Kern, MD</td>
</tr>
</tbody>
</table>

6:30 AM  Continental Breakfast and View Exhibits

7:30 AM  Live Cases 5 & 6 from Scripps Clinic
Panel: Ziad Ali, MD, DPhil
        Ehtisham Mahmud, MD
        Ashish Pershad, MD
        Matthew J. Price, MD
        Barry Rutherford, MD

Show Me the Data: Key Clinical Trials of 2017
Ehtisham Mahmud, MD

Latest FFR and iFR Data
Barry Rutherford, MD

The Latest Transcatheter Revolution: Catheter Based Mitral Valve Repair and Replacement
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 Moses, MD and Richard Shlofmitz, MD  
Panel:  Ehtisham Mahmud, MD  
        Barry Rutherford, MD  
        Ashish Pershad, MD  
        Matthew J. Price, MD  
        Richard A. Schatz, MD  
        Curtiss T. Stinis, MD  
        Paul S. Teirstein, MD  

Unprotected Left Main PCI: Ready for Prime Time  
Paul S. Teirstein, MD  

Transcatheter Aortic Valve Replacement (TAVR): Expanding the Indications  
Paul S. Teirstein, MD  

12:00 PM  Lunch in the Fairway Ballroom  
Anti MOC Update  
Paul S. Teirstein, MD  

Challenging Cases Panel Discussion  
Panel:  Dean Kereiakes, MD  
        Matthew J. Price, MD  
        Richard A. Schatz, MD  
        Curtiss T. Stinis, MD  
        Paul S. Teirstein, MD  

1:30 PM  Live Cases 9 & 10 from Scripps Clinic  
Panel:  Dean Kereiakes, MD  
        Matthew J. Price, MD  
        Richard A. Schatz, MD  
        Curtiss T. Stinis, MD  
        Paul S. Teirstein, MD  

Radial PCI: Getting from the Wrist to the Coronary Lesion – How to Deal with Hostile Anatomy  
Matthew J. Price, MD  

TAVR Tips and Tricks: How to Succeed with Challenging Cases  
Curtiss T. Stinis, 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:  Dean Kereiakes, MD  
        William Lombardi, MD  
        Matthew J. Price, MD  
        Richard A. Schatz, MD  
        Simon Walsh, MD  

Duration of Dual Anti-Platelet Therapy Post Stenting: How to Integrate the Data and Treat Real World Patients  
Dean Kereiakes, MD
Left Atrial Appendage Closure in Atrial Fibrillation to Prevent Stroke  
*Matthew J. Price, MD*

Public and Physician Unawareness of Medical Reimbursement for Common Hospital Procedures  
*Richard A. Schatz, MD*

6:00 PM  Adjourn

**Dinner Symposium in the Fairway Ballroom**  
*Sponsored by Boston Scientific (These activities are not included in CME hours.)*

6:00 PM - Cocktail Hour & Hands-on Reception  
Visit the workstations and interact with new tools for complex intervention

7:00 PM - Managing Complexity with Your PCI Patients: Surgical Turndown, Aortic Stenosis, and AFib Related Stroke Risk

Welcome and Brief Tee-up of the Complex Patient and How to Manage Their Care  
*Matthew J. Price, MD*

Complete Revascularization When the Surgeons Look Away  
*William Lombardi, MD*

AS + CAD – Where in the Heart to Start  
*Simon Walsh, MD*

The Complicated AFib Patient  
*Matthew J. Price, MD*
**Friday, November 10, 2017**

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

Drug-eluting Technologies for the Treatment of Peripheral Arterial Disease: Where Are We in 2017 and Where are We Going?  
*Sponsored by Cook Medical (This activity is not included in CME hours.)*

**Faculty:**  
- Curtiss T. Stinis, MD  
- John A. Phillips, MD

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>6:30 AM</td>
<td>Continental Breakfast &amp; View Exhibits</td>
</tr>
<tr>
<td>7:30 AM</td>
<td>Live Cases 13 &amp; 14 from Scripps Clinic</td>
</tr>
</tbody>
</table>
| Panel: | Dean Kereiakes, MD  
| Ajay J. Kirtane, MD, SM  
| David G. Rizik, MD  
| Simon Walsh, MD |

Drug Filled Stents  
Ajay J. Kirtane, MD, SM

Bioresorbable Vascular Scaffolds  
David G. Rizik, MD

Bioresorbable Polymer DES  
Dean Kereiakes, MD

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:30 AM</td>
<td>Break &amp; View Exhibits</td>
</tr>
<tr>
<td>10:00 AM</td>
<td>Live Cases 15 &amp; 16 from Scripps Clinic</td>
</tr>
</tbody>
</table>
| Panel: | Dean Kereiakes, MD  
| Ajay J. Kirtane, MD, SM  
| William Lombardi, MD  
| Ashish Pershad, MD  
| David G. Rizik, MD |

CTO Revascularization: Data Review; When to Open CTOs and When to Walk Away  
Ashish Pershad, MD

Practical Approach to Chronic Total Occlusions: Step-by-Step Techniques  
William Lombardi, MD
Lunch in the Fairway Ballroom

**Challenging Cases Panel Discussion**
Panel: Cindy L. Grines, MD
    Ajay J. Kirtane, MD, SM
    Matthew J. Price, MD
    David G. Rizik, MD
    Richard A. Schatz, MD
    Richard Shlofmitz, MD
    Curtiss T. Stinis, MD
    Paul S. Teirstein, MD

1:30 PM
**Live Cases 17 & 18 from Scripps Clinic**
Panel: Cindy L. Grines, MD
    Ajay J. Kirtane, MD, SM
    William Lombardi, MD
    David G. Rizik, MD
    Richard Shlofmitz, MD
    Simon Walsh, MD

   Lesion Preparation Prior to Stenting: Rotational Atherectomy
   Simon Walsh, MD

   Lesion Preparation Prior to Stenting: Orbital Atherectomy
   Richard Shlofmitz, MD

   Lesion Preparation Prior to Stenting: Laser Atherectomy
   William Lombardi, MD

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

4:00 PM
**Live Cases 19 & 20 from Scripps Clinic**
Panel: Cindy L. Grines, MD
    Ajay J. Kirtane, MD, SM
    David G. Rizik, MD
    Richard Shlofmitz, MD

   The Growing Role of OCT in PCI
   Richard Shlofmitz, MD

   PCI for STEMI: Fix the Culprit Lesion, or Fix All of the Lesions?
   Cindy L. Grines, MD

   Public Reporting of Risk-Adjusted PCI Mortality: What Does It Mean?
   Is it Coming to California?
   Ajay J. Kirtane, MD, SM

6:00 PM
**Final Adjournment**