2019 PROGRAM AGENDA

Agenda subject to change.
WEDNESDAY, SEPTEMBER 25, 2019
TCT INNOVATION I GLOBAL PERSPECTIVES IN MEDTECH AND EMERGING TECHNOLOGICAL TRENDS

TCT Innovation I Global Perspectives in MedTech and Emerging Technological Trends

WEDNESDAY, SEPTEMBER 25, 2019
8:00 AM - 12:00 PM
Innovation & Keynote Theater

8:00 AM - 9:20 AM
Global Perspectives in MedTech Innovation I

8:00 AM  Session I: Challenges and Opportunities in MedTech Innovation
Moderators: Mark A. Turco
Moderators: Mark A. Turco
Moderators: Mark A. Turco
Discussants: Andrew Cleeland, Laura Mauri, Ian T. Meredith, Julio C. Palmaz, Campbell Rogers, Paul G. Yock
8:00 AM  The Evolution of the MedTech Industry
8:28 AM  The Globalization of MedTech Innovation

8:54 AM  Value Based Health Care Delivery
8:54 AM  Value Based Health Care: Reflections on a Frequently Quoted but Poorly Validated Concept
Lecturer: Laura Mauri
9:02 AM  It is all About the Data Importance of Digital Intelligence in the Development of Useful Predictive Models
Lecturer: Campbell Rogers
9:10 AM  Moderated Panel Discussion
Lecturer: Campbell Rogers

9:20 AM - 12:00 PM
Emerging Technological Trends I

9:20 AM  Session II: Intravascular Imaging and Physiologic Lesion Assessment
Moderators: Niels R. Holm, Evelyn Regan
Moderators: Niels R. Holm, Evelyn Regan
Moderators: Niels R. Holm, Evelyn Regan
Discussants: Daniel S. Berman, Hector M. Garcia-Garcia, John McB. Hodgson, Paul JL Ong, Natalia Pinilla-Echeverri, Bo Xu
9:20 AM  Keynote Lecture: Invasive Coronary Lesion Assessment: Remaining Needs and Opportunities Justin Davies
Lecturer: Justin E. Davies
9:28 AM  Featured Technological Trends

9:28 AM  OCT Based FFR: Integration of Coronary Imaging and Physiology
Lecturer: Shengxian Tu
9:35 AM  An Automatic Diagnostic System of Coronary Artery Lesions Using OCT Imaging
Lecturer: Atefeh Abdolmanafi
9:42 AM  First In Human Evaluation of Novel Intravascular Ultrasound and Optical Coherence Tomography System
Lecturer: Elie Akl
9:49 AM  Development of an Integrated OCTNIIRS Diagnostic Catheter SpectraWave
Lecturer: James E. Muller
9:56 AM  Moderated Panel Discussion
Lecturer: James E. Muller

10:03 AM  Session III: Advanced Cardiac Imaging and Procedural Guidance
10:03 AM  Keynote Lecture: Advanced Cardiac Imaging for Procedural Planning and Guidance: Making the Complex Look Simple
Lecturer: Patrick W. Serruys
10:12 AM  Featured Technological Trends
Lecturer: Patrick W. Serruys

10:40 AM  Session IV: Cath Lab of the Future I: Intelligent Interfaces ARVR Robotics and Tele Manipulation
Moderators: Jean Fajadet, Ran Kornowski
Moderators: Jean Fajadet, Ran Kornowski
Moderators: Jean Fajadet, Ran Kornowski
Discussants: Arif Al Nooryani, Philipp Blanke, Elchanan Bruckheimer, James K. Min, Jagat Narula, Giora Weisz
10:40 AM  Keynote Lecture: Emerging Cath Lab Technological Trends that will Impact the Future of Cardiovascular Medicine
Lecturer: Louis Aaron Cannon
10:48 AM  Featured Technological Trends
Lecturer: Louis Aaron Cannon

11:23 AM  Session V: Cath Lab of the Future II: Radiation Protection Technologies
Moderators: Mirvat Alasnag, Gerald S. Werner
Moderators: Mirvat Alasnag, Gerald S. Werner
Moderators: Mirvat Alasnag, Gerald S. Werner
11:23 AM  Keynote Lecture: Radiation Protection Technologies: Reconciling the Safety Mission with Practical Realities
Lecturer: Lloyd W. Klein
11:30 AM  Featured Technological Trends
Lecturer: Lloyd W. Klein

TCT INNOVATION II. EMERGING TECHNOLOGICAL TRENDS II

TCT Innovation II. Emerging Technological Trends II

WEDNESDAY, SEPTEMBER 25, 2019
2:00 PM - 5:00 PM
Innovation & Keynote Theater

2:00 PM - 2:40 PM
Session VI: Cath-Lab of the Future III: Robotics in Cardiovascular Interventional Medicine
2:00 | Facing the Realities of Medical Robotics: Validation Training and Approval Pathways
Lecturer: Jean Bismuth

2:08 | Tele Robotics in Stroke and AMI Intervention: Afar is Not Far Reaching Anymore
Lecturer: Louis Aaron Cannon

2:16 | Moderated Panel Discussion

2:24 | Keynote Lecture: Robotics in Interventional CV Procedures: Lessons Learned from the Surgical Field
Lecturer: Fred Moll

2:32 | Impact of Artificial Intelligence and Advanced Imaging Integration in Robotic System Development and Clinical Integration

2:40 - 3:15 | The Structural Heart Revolution I: Aortic Valve Intervention and Ancillary Solutions I
Moderators: Torsten P. Vahl, Nicolas M. Van Mieghem
Discussants: Samer Abbas, Stephen J.D. Brecker, Elvin Kedhi, Ruediger S. Lange, Axel Linke, Oscar A. Mendiz

2:40 | Featured Technological Trends
2:40 | Innovative Protected Transcatheter Aortic Valve Calcium Debridement System
AorticLab
Lecturer: filippo scalise

2:47 | Full Arch Cerebral Embolic Protection of the Brain Point Guard During Cardiovascular Procedures
Lecturer: Samir R. Kapadia

2:54 | A Novel Left Transradial Cerebral Protection System for TAVR The ProtEmbo System
Lecturer: Karl von Mangoldt

3:01 | A New Device to Secure and Optimize Trans Heart Valve interventions THV And Complex PCI Electrodeuter
Lecturer: Benjamin Faurie

3:08 | Moderated Panel Discussion
Lecturer: Benjamin Faurie

3:15 - 3:57 | The Structural Heart Revolution II: Aortic Valve Intervention and Ancillary Solutions II

3:15 | Single Piece 3D Aortic Valve Leaflet Architecture: A Novel Approach to the Development of Highly Durable TAVR Device Admedus
Lecturer: Kiron Bhirangi

3:22 | Foldax Tria: First In Human Implant of a Totally Synthetic Polymeric Aortic Valve
Lecturer: Steven J. Yakubov

3:29 | Total Embolic Protection: The Emboliner Embolic Protection Catheter Early Clinical Results
Lecturer: Scott Russell

3:36 | A Novel Designed Temporary Disposable Pacing Catheter That Can Be Deployed Swiftly to Sense and Pace the Atrium and Ventricile in Dual Chamber Synchrony
Lecturer: Christian Marín y Kall

3:43 | Extracardiac Pacing: An Entirely Novel Approach to TAVR related Arrhythmias and Beyond AtacorCorvita

3:50 | Moderated Panel Discussion

3:57 | Featured Technological Trends
3:57 | Novel Percutaneous Trans Jugular Transcatheter Annuloplasty Cinching System to Treat Mitral and Tricuspid Regurgitation
Lecturer: Jim E. Coleman

4:04 | Saturn TMVR: Novel Design Benefits Implant Procedure Pre Clinical Outcomes
Lecturer: Paolo Denti

4:11 | Transcatheter Treatment of Secondary Tricuspid Regurgitation with the novel MIATM Percutaneous Annuloplasty System
Lecturer: Mathew Williams

4:18 | Mechanism of Action and Early Clinical Results of a Novel Bi Cavial Valve System
TricValve
Lecturer: Hans R. Figulla

4:25 | Moderated Panel Discussion
Lecturer: Hans R. Figulla

4:32 - 5:00 | The Structural Heart Revolution IV: Other SHD Technologies

4:32 | Second Generation LAA Occlusion: Single Size and Conforming to a Broad Range of Anatomies Conformal Medical
Lecturer: William A. Gray

4:39 | A Dedicated Paravalvular Leak Occluder Device with Patient Customization Possibility
Lecturer: Wojtek Wojakowski

4:46 | HCM Using Transcutaneous RF Ablation of The Basal Septum: The Liwen Procedure
Lecturer: Liwen Liu

4:53 | Moderated Panel Discussion
TCT ENDOVASCULAR: AN ALLIANCE PARTNER WITH THE VEITH SYMPOSIUM

TCT Endovascular: An Alliance Partner With the Veith Symposium

Vascular

WEDNESDAY, SEPTEMBER 25, 2019
8:00 am - 6:00 pm
Room 156/158

8:00 am - 9:58 am | Session I: CTO Crossing — State of the Art
Moderators: Michael R. Jaff, Sahil A. Parikh
Discussants: Gary M. Ansel, Tony Das, Jun Li, D. Christopher Metzger, Jihad A. Mustapha, Peter A. Schneider

Last Updated 08/16/2019 Page: 3
8:00 AM  Identifying Unmet Needs in Peripheral CTO: Cases From the Field  
Lecturer: Ehrin J. Armstrong

8:08 AM  Roundtable Discussion With Audience QA

8:13 AM  Development of Peripheral CTO Algorithms  
Lecturer: Subhash Banerjee

8:23 AM  Aorto Iliac CTO Crossing: Antegrade Retrograde and Re Entry  
Lecturer: Steve Henao

8:33 AM  Common Femoral CTO: Knives Needles or Both  
Lecturer: Bryan T. Fisher

8:43 AM  EVUS Guidance for CTO Crossing  
Lecturer: Mohammad Mehdi Ansari

8:53 AM  Roundtable Discussion With Audience QA

9:08 AM  CTO Crossing 1: Case Examples of Wire Escalation  
Case Presenter: Brian G. DeRubertis

9:18 AM  CTO Crossing 2: Case Examples of Dedicated Devices  
Case Presenter: George L. Adams

9:28 AM  CTO Crossing 3: Case Examples of Antegrade Access and Closure  
Case Presenter: Craig M. Walker

9:38 AM  CTO Crossing 4: Case Examples Retrograde Access and Closure  
Case Presenter: Tak W. Kwan

9:48 AM  CTO Crossing 5: Case Examples of Below the Ankle Access and Pedal Loop Reconstruction  
Case Presenter: Mariano Palena

9:58 AM - 12:02 PM  Session II: Revascularization Strategies in CLI — State of the Art  
Moderators: Andrew Bradbury  
Discussants: Danielle Bajakian, Bryan T. Fisher, Prakash Krishnan, Mariano Palena, Ramon L. Varcoe, Bret N. Wiechmann

9:58 AM  Featured Lecture: CLI Epidemiology and Clinical Burden  
Lecturer: Schuyler Jones

10:08 AM  Roundtable Discussion With Audience QA

10:13 AM  Surgical Therapy: Indications for Surgery First for CLI  
Lecturer: Peter A. Schneider

10:21 AM  What Is Optimal Medical Therapy for CLI Can We Move the Needle With Drugs Alone  
Lecturer: Marc Bonaca

10:29 AM  Modern Outcomes for Rutherford 6 Patients: How to Avoid Primary Amputation  
Lecturer: Peter A. Schneider

10:37 AM  Clinical Trial Updates: BEST CLI  
Lecturer: Matthew T. Menard

10:45 AM  Clinical Trial Updates: BASIL 2 and BASIL 3  
Lecturer: Andrew Bradbury

10:53 AM  Clinical Trial Updates: Deep Vein Arterialization  
Lecturer: Steven Kum

11:01 AM  Clinical Trial Updates: BTK Tacks Scaffolds and Drugs

11:09 AM  CLI Diagnostics and Real Time Guidance: What’s New in 2019  
Case Presenter: Matthew T. Menard

11:17 AM  Roundtable Discussion With Audience QA

11:32 AM  Complex CLI Case Review 1: My Best Case From the Last Year  
Case Presenter: Bret N. Wiechmann

11:42 AM  Complex CLI Case Review 2: My Toughest Case From the Last Year  
Case Presenter: Peter A. Soukas

11:52 AM  Complex CLI Case Review 3: What Is Possible in the OBL  
Case Presenter: Eric J. Dippel

12:02 PM - 1:10 PM  Session III: Symposium on Peripheral Drug-Eluting Technologies  
Moderators: Juan F. Granada, Sahil A. Parikh  

12:02 PM  An Unforeseen Setback: Practicing in the 1990s Again  
Lecturer: Michael R. Jaff

12:10 PM  Drug Eluting Devices: Summary Level Meta Analysis  
Lecturer: Konstantinos Katsanos

12:22 PM  New Data Regarding Drug Eluting Technologies

12:32 PM  FDA Perspective and Revised Guidance  
Lecturer: Donna Buckley

12:40 PM  Industry Perspective on Drug Eluting Technologies Guidance

12:48 PM  Roundtable Discussion With Audience QA

1:10 PM - 2:44 PM  Session IV: TCT/VEITH Lower Extremity Session  
Moderators: Enrico Ascher, Frank J. Veith  
Discussants: Gary M. Ansel, Marianne Brodman, Kenneth Ouriel, Andrej Schmidt, Peter A. Schneider, Craig M. Walker

1:10 PM  Fusion Imaging Techniques for Iliac and Lower Extremity Procedures: Reducing Radiation Exposure and Contrast Material and Providing Better Guidance  
Lecturer: Yann Goueffic

1:16 PM  Primary and Secondary Repairs of Popliteal Aneurysms Using Duplex Guidance Alone: Technique and Results  
Lecturer: Enrico Ascher

1:22 PM  Is the Supera Interwoven Stent Better Than Other Stents and Open Endarterectomy for Common Femoral Lesions  
Lecturer: Lawrence A. Garcia

1:28 PM  Distal Embolic Protections Are Expensive and Have Inherent Risks: When Are They Absolutely Necessary  
Lecturer: Peter A. Schneider

1:34 PM  A Comparison of Multiple Short Stents With Long Stents for Femoral Popliteal Lesions: Results of the LOCOMOTIVE Trial of VascuFlex System From B. Braun  
Lecturer: Thomas Zeller

1:40 PM  The Value of Local Anesthesia in the Adventitia of Arteries During Interventions: How and When to Do It

TRANSCATHETER VALVE THERAPY | WEDNESDAY, SEPTEMBER 25, 2019

Last Updated 08/16/2019  Page: 4
Lecturer: Andrej Schmidt

1:46 PM Roundtable Discussion With Audience QA

1:54 PM DCBs for Infragingual Arterial Occlusive Disease With or Without Adjunctive Techniques Are Better Than Primary Stenting
Lecturer: Brian G. DeRubertis

2:00 PM The 10 Endo Strategies I Use to Succeed in Repairing the Most Complex Lesions in the Lower Extremity Arterial Bed
Lecturer: Dierk Scheinert

2:06 PM Updates and Technique of Percutaneous Transvenous Arterial Femoral Popliteal Bypass Procedure
Lecturer: Jihad A. Mustapha

2:12 PM Hybrid Venous Arterialization: Patient Selection and Techniques
Lecturer: Matthew T. Menard

2:18 PM The 10 Endo Strategies I Use to Succeed in Repairing the Most Complex Lesions in the Lower Extremity Arterial Bed
Lecturer: Dierk Scheinert

2:24 PM DCBs for Infragingual Arterial Occlusive Disease With or Without Adjunctive Techniques Are Better Than Primary Stenting
Lecturer: Brian G. DeRubertis

2:30 PM Updates and Technique of Percutaneous Transvenous Arterial Femoral Popliteal Bypass Procedure
Lecturer: Jihad A. Mustapha

2:36 PM Hybrid Venous Arterialization: Patient Selection and Techniques
Lecturer: Matthew T. Menard

2:44 PM - 4:50 PM Severe Calcification: Definitions and Outcomes
Lecturer: Jeffrey J. Popma

2:54 PM This Vessel Is a Rock: Extreme Calcification Case Examples
Case Presenter: Andrej Schmidt

3:04 PM Debulking Strategies Above the Knee: Cut Spin Vaporize When and Which Technique
Lecturer: Ehrin J. Armstrong

3:14 PM Intravascular Lithotripsy for Calcium: When Does It Work With Case Examples
Case Presenter: Peter A. Soukas

3:22 PM Below Knee Debulfing Options: Case Examples of When I Wish I Had and Hadnt Used It
Case Presenter: George L. Adams

3:30 PM Where Have All the Scaffolds Gone and Will They Come Back
Lecturer: Sahil A. Parikh

3:38 PM Specialty Balloons in Calcium: Do They Work And if so When
Lecturer: Mahmood K. Razavi

3:46 PM Roundtable Discussion With Audience QA

3:54 PM Taking the Scenic Route: PQ Bypass for Extreme SFA Lesions
Lecturer: Sahil A. Parikh, Frank J. Veith

4:02 PM Imaging for Calcium: Does It Make a Difference With Case Examples
Case Presenter: Fabrizio Fanelli

4:10 PM Optimal BTK POBA: Is There Science to the Art
Lecturer: Khosrow Niazi

4:18 PM In Stent Restenosis: How Does Atherectomy Figure in These Cases
Case Presenter: Nicolas W. Shammas

4:26 PM Debate: Atherectomy in Noncalcified Lesions Improves Outcomes
Lecturer: John Winscott

4:34 PM Debate: Atherectomy in Noncalcified Lesions Does Not Improve Outcomes
Lecturer: Christopher J. White

4:42 PM Roundtable Discussion With Audience QA

4:50 PM - 6:00 PM Severe Calcification: Definitions and Outcomes
Lecturer: Jeffrey J. Popma

5:00 PM This Vessel Is a Rock: Extreme Calcification Case Examples
Case Presenter: Andrej Schmidt

5:10 PM Debulking Strategies Above the Knee: Cut Spin Vaporize When and Which Technique
Lecturer: Ehrin J. Armstrong

5:20 PM Intravascular Lithotripsy for Calcium: When Does It Work With Case Examples
Case Presenter: Peter A. Soukas

5:30 PM Below Knee Debulfing Options: Case Examples of When I Wish I Had and Hadnt Used It
Case Presenter: George L. Adams

5:40 PM Where Have All the Scaffolds Gone and Will They Come Back
Lecturer: Sahil A. Parikh

5:50 PM Specialty Balloons in Calcium: Do They Work And if so When
Lecturer: Mahmood K. Razavi

5:58 PM Roundtable Discussion With Audience QA

6:06 PM Taking the Scenic Route: PQ Bypass for Extreme SFA Lesions
Lecturer: Sahil A. Parikh, Frank J. Veith

CARDIOVASCULAR PROFESSIONALS (CVP) COURSE: 28TH ANNUAL CARDIOVASCULAR NURSE AND TECHNOLOGIST SYMPOSIUM

CardioVascular Professionals (CVP) Course: 28th Annual Cardiovascular Nurse and Technologist Symposium

WEDNESDAY, SEPTEMBER 25, 2019
8:00 AM - 6:00 PM
Room 152/154

8:00 AM - 11:00 AM
RCIS Review Basic and Advanced Topics
### Session I. RCIS Introductory Session
Cardiac Catheterization and PCI: Foundational Knowledge for the Cath Lab

**Moderators:** Jeff Davis, Tom Maloney

**Discussants:** Martina Kelly, Kelly Speight, Brij M.

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<tr>
<th>Time</th>
<th>Lecture</th>
<th>Topic</th>
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<tbody>
<tr>
<td>8:00</td>
<td>Martin Maloney</td>
<td>Discussants: Martina Kelly, Kelly Speight, Brij M.</td>
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<tr>
<td>8:05</td>
<td>Nursing Assessment of the Patient</td>
<td>Lecturer: Patricia Keegan</td>
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<td>9:00</td>
<td>Right Heart Catheterization Anatomy and Hemodynamics Matched With Interactive Cadaver Heart Dissection</td>
<td>Lecturer: Robert Kutys, Timothy J. Iapp</td>
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<tr>
<td>9:20</td>
<td>Left Heart Catheterization Anatomy and Angiography Matched With Interactive Cadaver Heart Dissection</td>
<td>Lecturer: Robert Kutys, George W. Vetrovec</td>
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<td>9:45</td>
<td>Devices and Imaging for PCI Wires Balloons Stents FFR Imaging</td>
<td>Lecturer: Morton J. Kern</td>
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<tr>
<td>10:00</td>
<td>Case Introduction: A Patient With Atypical Chest Pain and Shortness of Breath</td>
<td>Case Presenter: George W. Vetrovec</td>
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### Session II. RCIS Advanced Session: Interventional Hemodynamics of the Aortic Valve

**Moderators:** Jeff Davis, Tom Maloney

**Discussants:** Hemal Gada, Paul D. Mahoney, Tim R. Martin

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<tr>
<td>10:00</td>
<td>Fundamental Knowledge: Aortic Valve Anatomy With Interactive Cadaver Heart Dissection</td>
<td>Lecturer: Robert Kutys, Tim R. Martin</td>
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<tr>
<td>10:20</td>
<td>Hemodynamics of Aortic Stenosis and Valve Calculations</td>
<td>Lecturer: Jeff Davis</td>
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<tr>
<td>10:45</td>
<td>Interpretation of Hemodynamic CT and Echo Data for TAVR Clinical Decision Making</td>
<td>Lecturer: Paul D. Mahoney</td>
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<tr>
<td>11:00</td>
<td>Transcatheter Aortic Valve Replacement and How I Treated my Patient</td>
<td>Lecturer: Paul D. Mahoney</td>
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### Session III. RCIS Advanced Session: Interventional Hemodynamics of the Mitral and Tricuspid Valve

**Moderators:** Jeff Davis, Tom Maloney

**Discussants:** Martina Kelly, Kelly Speight, Brij Maini, Tim R. Martin

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<tr>
<td>11:00</td>
<td>Case Introduction: Symptoms Suggestive of Mitral Regurgitation</td>
<td>Lecturer: Paul D. Mahoney</td>
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<tr>
<td>11:20</td>
<td>Fundamental Knowledge: Mitral and Tricuspid Valve Anatomy With Interactive Cadaver Heart Dissection</td>
<td>Lecturer: Robert Kutys</td>
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<tr>
<td>11:40</td>
<td>Hemodynamics of Mitral and Tricuspid Regurgitation</td>
<td>Lecturer: Tim R. Martin</td>
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### Comprehensive Interventional Practice: Case-Based Learning

**Session I. Coronary Hot Topics**

**Moderators:** Amisha Patel, Vivian Tamara

**Discussants:** Darshan Doshi, Khady Fall, Michelle Lindquist, Amirali Masoumi

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<tr>
<td>11:30</td>
<td>Introduction by Moderator</td>
<td>Lecturer: Amisha Patel</td>
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<tr>
<td>11:45</td>
<td>How To Get a Cath Room Ready for a Complex PCI</td>
<td>Lecturer: Michelle Lindquist</td>
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<tr>
<td>12:00</td>
<td>How to Decide on Hemodynamic Support Based on the Right Heart Cath Numbers.</td>
<td>Lecturer: Amirali Masoumi</td>
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<tr>
<td>12:15</td>
<td>How IVUS Impacts Decision Making in PCI</td>
<td>Lecturer: Khady Fall</td>
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**Session II. Structural Hot Topics**

**Moderators:** Marian C. Hawkey, Ashley Koppenheffer

**Discussants:** Elizabeth M. Perpetua, Christina Tan, Janet Freadal Wyman

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<tr>
<td>11:00</td>
<td>What Are My Options to Treat CLI</td>
<td>Lecturer: Philip Green</td>
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<tr>
<td>11:15</td>
<td>What is DK Crush and How Did We Get the Coronaries Ready for Stenting</td>
<td>Lecturer: Darshan Doshi</td>
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<tr>
<td>11:30</td>
<td>Post Procedure Assessment of a Complex PCI</td>
<td>Lecturer: Michelle Lindquist</td>
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<td>11:45</td>
<td>Roundtable Discussion With Audience QA</td>
<td>Lecturer: Michelle Lindquist</td>
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<tr>
<td>12:00</td>
<td>Case Presentation: Complex Structural Heart Intervention With Multiple Valves and Hemodynamic Support</td>
<td>Lecturer: Elizabeth M. Perpetua</td>
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**Session III. Peripheral Hot Topics**

**Moderators:** Michelle Maier, Sahl A. Parikh

**Discussants:** Michelle Maier, Sahl A. Parikh

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<tr>
<td>12:30</td>
<td>Novel Access Routes for Structural Heart Intervention: Transcarotid Transcaval Transaxillary Etc.</td>
<td>Lecturer: Janet Freadal Wyman</td>
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<td>12:45</td>
<td>Upcoming Therapies: Accucinch TMVR Tricuspid Clips Vena Cava Valves for Tricuspid Disease</td>
<td>Lecturer: Russell A. Brandwein</td>
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<tr>
<td>13:00</td>
<td>An Introduction to Critical Limb Ischemia</td>
<td>Lecturer: Sahl A. Parikh</td>
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<tr>
<td>13:15</td>
<td>What Are My Options to Treat CLI</td>
<td>Lecturer: Philip Green</td>
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</table>
12:45 PM Alternative Access for the Treatment of Endovascular Disease Including Radial to Peripheral and Pedal Access
Lecturer: Jihad A. Mustapha

12:55 PM Varicose Veins and How to Treat Them
Lecturer: Sanjum S. Sethi

1:10 PM Roundtable Discussion With Audience QA
Lecturer: Sanjum S. Sethi

1:15 PM - 3:00 PM Lunch Sponsored by Medtronic and Cath Lab Honorees Over the Year

1:15 PM Lunch Session Check in

1:30 PM Session I. Sponsored Lunch and Cath Lab Honorees
Cath Lab Honorees
Lecturer: Sanjum S. Sethi

1:35 PM The Year in Review: How the Science Has Impacted Nurse Technologists in the Interventional Field Video
Lecturer: Sanjum S. Sethi

1:40 PM Keynote Speech: The Role of the Heart Team and the Impact of This Last Years Clinical Findings on Clinical Practice
Lecturer: George D. Dangas

2:00 PM Your Mother Has AS Open Mic With the Heart Team
Moderators: Nisha Jhalani, Ajay J. Kirtane

2:30 PM Break

3:00 PM - 6:00 PM Hands-On Experience

3:00 PM Hands on High Impact Training: Coronary Sessions Three 60 Minute Rotations
Faculty: Vivian Tamara

3:00 PM Hands on High Impact Training: Structural Heart Sessions Three 60 Minute Rotations
Faculty: Marian C. Hawkey, Martina Kelly Kelly Speight

3:00 PM Hands on High Impact Training: Peripheral Sessions Three 60 Minute Rotations
Faculty: Jeff Davis, Tom Maloney, Julie Logan Sands

8:00 AM - 10:35 AM The Foundation of TAVR
Moderator: Michael J. Reardon

8:20 AM The TAVR Journey: How Did We Get Here
Moderators: A. Pieter Kappetein
Discussants: Martin B. Leon, Michael J. Mack, Jeffrey J. Popma, Michael J. Reardon

8:40 AM The Clinical Evidence: Extreme to Low Risk Patients
Lecturer: Michael J. Reardon

8:45 AM Therapy Choice of TAVR vs. SAVR
Lecturer: Kendra J. Grubb

8:55 AM Shared Decision Making
Lecturer: Megan Coylewright

9:05 AM The Technology Evolut System Overview Performance
Lecturer: Michael Caskey

9:20 AM Treatment of AS across the Spectrum of Risk
Lecturer: Howard C. Herrmann

9:30 AM The Patient Profile: Case Selection the Importance of Multi Modality Imaging
Lecturer: Dee Dee Wang

9:45 AM CAD and AS: Implications for Therapy Selection
Lecturer: Harold L. Dauerman

10:00 AM Break

10:15 AM The Heart Team in Action Case Presentation

10:35 AM - 12:15 PM Building Your TAVR Program
Moderator: Kim Guibone

10:35 AM NCD Requirements and how to meet them
Lecturer: Joan Michaels

10:50 AM Starting a New TAVR Center: Experiences From New and Not so New Start Ups Perspectives from Heart Team Physicians and Valve Program Coordinators VPCs
Discussant: Kimberly Atianzar, Brooke Everett, Sandeep Patel, Basel Ramlawi

10:50 AM Obtaining Effective Support for Your New Program
Lecturer: George D. Dangas

11:00 AM Panel Discussion
Lecturer: George D. Dangas

11:05 AM Pulling Together the Heart Valve Team and The Importance of a VPC
Lecturer: Guilherme Attizzani, Angela Davis

COLLABORATORS IN TAVR: A MEDTRONIC COURSE IN COLLABORATION WITH CRF FOR NEW TO TAVR HEART TEAMS

Collaborators In TAVR: A Medtronic Course in Collaboration With Crf for New To Tavr Heart Teams

WEDNESDAY, SEPTEMBER 25, 2019
7:15 AM - 5:00 PM
Room 155/157

7:15 AM - 8:00 AM Registration & Continental Breakfast
11:15 am  Panel Discussion
Lecturer: Guilherme Attizzani, Angela Davis

11:20 am  Structure Workflow for Valve Clinic
Lecturer: Kristin Pasquarello

11:30 am  Valve Conference: How to Communicate Effectively and Make Clinical Decisions as a Multi Disciplinary Heart Team
Lecturer: Timothy Byrne, Michael Caskey, Tammy Querrey

11:40 am  In Hospital Management Strategies: An Introduction to Minimalism
Lecturer: Timothy Byrne, Michael Caskey, Tammy Querrey

11:50 am  Follow up Care: 30 Day 1 Yr Referral Communication
Lecturer: Martina Kelly Kelly Speight

12:00 pm  The First 50: Case Selection Considerations
Lecturer: Srinivas Iyengar, Daniel O’Hair

12:15 pm - 1:00 pm  Lunch

1:00 pm - 2:30 pm  Maintaining and Accelerating Your Program - Part 1: Logistics
Moderator: Jeffrey J. Popma

1:00 pm  The Financial Implications of a TAVR program: A Primer on Healthcare Economics Reimbursement
Lecturer: Hemal Gada

1:15 pm  Partnering With Your Hospital Administration: An Extended and Essential Member of the Heart Team
Lecturer: Carrie Keating

1:30 pm  Patient Access Strategies
1:30 pm  Market Analysis
Lecturer: Greta Robb

1:35 pm  Identifying Referral Sources
Lecturer: Thom Dahle

1:43 pm  Outreach Programs
Lecturer: Daniel O’Hair

1:50 pm  Echo Alert
Lecturer: Hemal Gada

1:58 pm  Marketing/Media Opportunities
Lecturer: Michaela Mueller

2:00 pm  Creating Efficiencies in the Clinical Care Pathway
Lecturer: Kristin Pasquarello

2:15 pm  Lessons Learned: A Roundtable Discussion Perspectives From the Full Extended Heart Team of Successful Experienced Programs
Discussant: David Jones, Carrie Keating, Omar K. Khalique, Paul D. Mahoney, Gilbert H.L. Tang

2:30 pm - 2:45 pm  Break

2:45 pm - 5:00 pm  Maintaining and Accelerating Your Program: Part 2 - Acquiring Advanced Skills
THE BEST OF INTERVENTION FROM EUROPE: COMPLEX CORONARY AND STRUCTURAL HEART INTERVENTIONS

The Best of Intervention from Europe: Complex Coronary and Structural Heart Interventions

WEDNESDAY, SEPTEMBER 25, 2019
8:30 am - 10:30 am
Room 201-202

8:30 am - 9:10 am
Session I: Advanced Coronary Interventions
8:30 am Will CTA Replace Invasive Coronary Angiography
Lecturer: Patrick W. Serruys

8:37 am FFR IFR or QFR for Functional Assessment of Stenosis Severity
Lecturer: Giulio Stefanini

8:44 am Drug Coated Balloons: State of the Art in the Face of Controversy
Lecturer: Antonio Colombo

8:51 am Antithrombotic Therapy in PCI Patients With Atrial Fibrillation
Lecturer: Marco Valgimigli

8:58 am Roundtable Discussion With Audience QA

9:10 am - 9:50 am Session II: TAVR Certainties and Uncertainties
Moderators: Jeroen J. Bax, Stephan Windecker
Discussants: Ran Kornowski, Axel Linke, Corrado Tamburino, Didier Tchetche

9:10 am Has TAVR Become the Default Therapy in Patients With Severe Aortic Stenosis
Lecturer: Lars Sondergaard

9:24 am TAVR in Pure Aortic Regurgitation
Lecturer: Didier Tchetche

9:31 am State of Cerebral Protection in Patients Undergoing TAVR
Lecturer: Axel Linke

9:38 am Roundtable Discussion With Audience QA

9:50 am - 10:30 am Session III: Mitral and Tricuspid Interventions
Moderators: Jeroen J. Bax, Stephan Windecker
Discussants: Jörg Hausleiter, Hüseyin Ince, Francesco Maisano, Lars Sondergaard, Nicolas M. Van Mieghem, Stephan Von Barderleben

9:50 am How to Select Patients With Secondary MR for Percutaneous Edge to Edge Repair
Lecturer: Jörg Hausleiter

9:57 am Which Patients With Primary MR Are Suitable for Percutaneous Edge to Edge Repair
Lecturer: Hüseyin Ince

10:04 am Transcatheter Mitral Valve Repair: What Devices for Which Patient
Lecturer: Francesco Maisano

10:11 am Tricuspid Valve Repair: Current Status
Lecturer: Stephan Von Barderleben

10:18 am Roundtable Discussion With Audience QA

THE BEST OF INTERVENTION FROM JAPAN:
ADVANCED PCI TECHNIQUES, IMAGING AND PHYSIOLOGIC ASSESSMENT, ENDOVASCULAR INTERVENTION, AND STRUCTURAL HEART INTERVENTION

The Best of Intervention from Japan: Advanced PCI Techniques, Imaging and Physiologic Assessment, Endovascular Intervention, and Structural Heart Intervention
## THE BEST OF INTERVENTION FROM CHINA

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>10:45</td>
<td><strong>Session I: Innovation and Practice in Structural Heart Intervention</strong></td>
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<tr>
<td>10:45</td>
<td>TAVR in China: First Report of a Post Approval National Registry</td>
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<tr>
<td>10:55</td>
<td>Emerging Transcatheter Valve Therapies: Mitral and Pulmonary Valves</td>
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<td>11:09</td>
<td>Roundtable Discussion With Audience QA</td>
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<tr>
<td>11:13</td>
<td>Percutaneous Intramyocardial Septal Radiofrequency Ablation for Obstructive Cardiomyopathy</td>
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<td>11:21</td>
<td>Roundtable Discussion With Audience QA</td>
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<tr>
<td>11:25</td>
<td>Case Based Learning: Hangzhou TAVR Experience</td>
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## THE BEST OF INTERVENTIONS FROM LATIN AMERICA

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>10:45</td>
<td><strong>Session I. Structural Interventions</strong></td>
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<tr>
<td>11:32</td>
<td>Roundtable Discussion With Audience QA</td>
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<tr>
<td>11:35</td>
<td>Case Based Learning: Chengdu TAVR Experience</td>
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<tr>
<td>11:42</td>
<td>Roundtable Discussion With Audience QA</td>
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<tr>
<td>11:45</td>
<td>Session II: Clinical Research and Practice in Percutaneous Coronary Intervention</td>
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### The Best of Intervention from China

**WEDNESDAY, SEPTEMBER 25, 2019**

**Room 201-202**

**10:45 AM - 12:45 PM**

**Agenda**

10:45 AM **Session I: Innovation and Practice in Structural Heart Intervention**

**Moderators**: Runlin Gao, Martin B. Leon

**Discussants**: Maurice Buchbinder, Jianfang Luo, Thomas Modine, Ling Tao, Nicolas M. Van Mieghem, Qi Zhang

10:45 AM **TAVR in China: First Report of a Post Approval National Registry**

**Lecturer**: Runlin Gao

10:55 AM **Emerging Transcatheter Valve Therapies: Mitral and Pulmonary Valves**

**Lecturer**: Junbo Ge

11:09 AM **Roundtable Discussion With Audience QA**

**Lecturer**: Junbo Ge

11:13 AM **Percutaneous Intramyocardial Septal Radiofrequency Ablation for Obstructive Cardiomyopathy**

**Lecturer**: Liwen Liu

11:21 AM **Roundtable Discussion With Audience QA**

**Lecturer**: Liwen Liu

11:25 AM **Case Based Learning: Hangzhou TAVR Experience**

**Case Presenter**: Jian’an Wang

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### The Best of Interventions From Latin America

**WEDNESDAY, SEPTEMBER 25, 2019**

**Room 205-206**

**10:45 AM - 11:45 AM**

**Session I. Structural Interventions**
THE BEST OF INTERVENTION FROM ASIA-PACIFIC INDIA

The Best of Intervention from Asia-Pacific India

WEDNESDAY, SEPTEMBER 25, 2019
1:00 am - 3:00 pm
Room 201-202

1:00 am  Session I: Coronary and Peripheral Interventions
Moderators: Paul Hsien-Li Kao, Afzalur Rahman
Discussants: Fazila-Tun-Nesa Malik, Seung-Jung Park, Teguh Santoso, Huay Cheem Tan

1:00 am  Case 1 From Bangladesh: To Be or Not to Be A Retrograde CTO Case
Case Presenter: Kaisar Nasrullah Khan

1:07 am  Roundtable Discussion With Audience QA

1:12 am  Case 2 From India: Intervention in Aorto Aortitis
Case Presenter: Manotosh Panja

1:19 am  Roundtable Discussion With Audience QA

1:24 am  Case 3 From Indonesia: Coronary Obstruction Caused by an Un Deflated Balloon After Shaft Fracture
Case Presenter: Linda Lison

1:31 am  Roundtable Discussion With Audience QA

1:36 am  Case 4 From S. Korea: TBD
Case Presenter: Seung-Jung Park

1:43 am  Roundtable Discussion With Audience QA

1:48 am  Case 5 From Malaysia: Hybrid Approach in Diffuse Coronary Artery Disease
Case Presenter: Kenneth Chin

1:55 am  Roundtable Discussion With Audience QA

2:00 am - 3:00 pm
Session II: Structural, Valvular, and Heart Failure Interventions
Moderators: Sreenivas Aramajai Kumar, Wei-Hsian Yin
Discussants: Rabin Nath Chakraborty, Jun-Jack Cheng, Sampath Kumar, Muhammad Munawar, Chiu Jen Wu

2:00 pm  Case 6 From Singapore: Transcatheter Tricuspid Valve in Valve Treatment
Case Presenter: Edgar L. Tay

2:07 pm  Roundtable Discussion With Audience QA

2:12 pm  Case 7 From Taiwan: Vascular Plugging of a Severe Paravalvular Leak
Case Presenter: Kuan-Lock Cheng

2:19 pm  Roundtable Discussion With Audience QA

2:24 pm  Case 8 From India: Expanding Indications of TAVR in India
Case Presenter: RAMA KRISHNA JANAPATI

2:31 pm  Roundtable Discussion With Audience QA

2:36 pm  Case 9 From Indonesia: A High Risk Redo Surgery Patient With Severe MR After Ring Annuloplasty and CABG

10:45 am  All You Need to Know About TAVR: Patient Selection and Sizing Algorithms
Lecturer: João L. Cavalcante

10:52 am  Roundtable Discussion With Audience Q A

10:57 am  TAVR Potpourri: Special and Bail Out Situations
Lecturer: Didier Tchetche

11:04 am  Roundtable Discussion With Audience Q A

11:09 am  Interventional Pathobiology: Anatomical Landmarks for Interventional Procedures
Lecturer: Juan F. Granado

11:16 am  Roundtable Discussion With Audience Q A

11:21 am  All You Need to Know About MitraClip: Case Selection and Procedural Steps
Lecturer: Mayra Guerrero

11:28 am  Roundtable Discussion With Audience Q A

11:33 am  An Incredible MitraClip Case
Case Presenter: Pedro I. Colon

11:39 am  Roundtable Discussion With Audience Q A

11:45 am - 12:45 pm
Session II. Coronary Interventions
Moderators: Jose L. Leiva-Pons, Jose Armando Mangione
Discussants: Guering Eid-Lidt, EfRAIN Gaxiola, Leandro l. Lasave, Gabriel Maluenda, Alexandre Schaan Quadros, Omar Santaera

11:45 am  Absolute Essentials of CTO Intervention: Procedural Steps and Equipment Selection
Lecturer: Pablo Lamelas

11:52 am  Roundtable Discussion With Audience Q A

11:57 am  Challenging Case: My Worst CTO Nightmare
Case Presenter: Carlos E. Uribe

12:03 pm  Roundtable Discussion With Audience Q A

12:09 pm  Absolute Essentials of Bifurcation PCI: Technique and Equipment Selection
Lecturer: Ricardo A. Costa

12:16 pm  Roundtable Discussion With Audience Q A

12:21 pm  If You Have to Choose: Intravascular Imaging or Physiologic Assessment in Complex PCI
Lecturer: Hector M. Garcia-Garcia

12:28 pm  Roundtable Discussion With Audience Q A

12:33 pm  Challenging Case: Left Main Bifurcation With Intravascular Imaging or Physiologic Assessment
Case Presenter: Mauro Echavarria Pinto

12:39 pm  Roundtable Discussion With Audience Q A
### The Best of Intervention from TCT Russia: At the Crossroads of Adult Structural and Congenital Interventions

**WEDNESDAY, SEPTEMBER 25, 2019**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>1:00 PM</td>
<td>Introduction</td>
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<tr>
<td></td>
<td>Lecturer: Bagrat Alekyan</td>
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<tr>
<td>1:05 PM</td>
<td>PFO Closure in Adults: Clinical Trial Update Indications and Emerging Devices</td>
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<td></td>
<td>Lecturer: Robert J. Sommer</td>
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<tr>
<td>1:13 PM</td>
<td>Learn the Technique Case Based: PFO Closure in an Adult Patient</td>
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<td>Case Presenter: Evgeny V. Merkulov</td>
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<td>1:20 PM</td>
<td>Roundtable Discussion with Audience Q. A</td>
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<tr>
<td>1:27 PM</td>
<td>Who When How: A Primer of ASD Closure in Adults</td>
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<td>Lecturer: William A. Gray</td>
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<td>1:35 PM</td>
<td>Learn the Technique Case Based: ASD Closure in an Adult Patient</td>
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<td>Case Presenter: Narek Karapetyan</td>
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<td>1:42 PM</td>
<td>Roundtable Discussion with Audience Q. A</td>
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<tr>
<td>1:49 PM</td>
<td>Left Atrial Appendage Closure: A Congenital Skill for a Non Congenital Disease</td>
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<td>Lecturer: Horst Sievert</td>
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<td>1:57 PM</td>
<td>Learn the Technique Case Based: LAA Closure</td>
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<td>Case Presenter: Alexey A. Protopopov</td>
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<td>2:04 PM</td>
<td>Roundtable Discussion with Audience Q. A</td>
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<tr>
<td>2:11 PM</td>
<td>Calcific Aortic and Mitral Valve Stenosis: Interventional Approaches</td>
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<td>Lecturer: Mayra Guerrero</td>
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<tr>
<td>2:19 PM</td>
<td>Learn the Technique Case Based: Calcified Aortic and Mitral Valve Disease</td>
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### The Best of Intervention from the Middle East and Africa

**WEDNESDAY, SEPTEMBER 25, 2019**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>3:15 PM</td>
<td>A Patient With Complex Coronary Artery Disease</td>
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<tr>
<td>3:15 PM</td>
<td>Case Introduction</td>
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<td>Lecturer: Nireen Okasha</td>
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<td>3:20 PM</td>
<td>How I Would Treat This Case</td>
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<td>Lecturer: Sajidah Khan</td>
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<tr>
<td>3:25 PM</td>
<td>How I Would Treat This Case</td>
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<td>Lecturer: Kais BATTIKH</td>
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<tr>
<td>3:30 PM</td>
<td>Case Resolution: How Did I Treat This Patient</td>
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<td></td>
<td>Case Presenter: Nireen Okasha</td>
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<td>3:35 PM</td>
<td>Roundtable Discussion with Audience Q. A</td>
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<td>3:50 PM</td>
<td>Take Home Messages</td>
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<td>Lecturer: Graham A. Cassel</td>
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<tr>
<td>3:55 PM</td>
<td>A Patient With STEMI MVD and Cardiogenic Shock</td>
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</tbody>
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**Session II: STEMI, MVD and Cardiogenic Shock**

Moderators: Mirvat Alasnag, Mohamed Ahmed Sobhy

- Discussants: Khaled F. Al-Shaibi, Kais BATTIKH, Darrar Herar, Khalid Omar Tammam, Samir Ztot

- 3:55 PM | A Patient With STEMI MVD and Cardiogenic Shock
AM I AND VULNERABLE PLAQUE AND PATIENT STUDIES

Session I. AMI Diagnosis and Treatments
Moderators: Rajesh M. Dave, Vladimir DzavikDiscussants: David A. Cox, Jorge Gaspar, Graham Nichol, Eugenia Nikolsky, Glenn Van Langenhove

12:30 AMI and Vulnerable Plaque and Patient Studies
Presenting Author: Kosei Terada
12:40 AMI and Vulnerable Plaque and Patient Studies
Discussion
12:45 AMI and Vulnerable Plaque and Patient Studies
TCT 10: Time and Mortality in ST Elevation Myocardial Infarction: Insights From the TOTAL Trial
Presenting Author: Rachel Maxham
12:55 AMI and Vulnerable Plaque and Patient Studies
Discussion
1:00 AMI and Vulnerable Plaque and Patient Studies
TCT 11: Everolimus eluting Bioresorbable Scaffolds versus Drug eluting Stents in Patients with Acute Myocardial Infarction 2 Year Results of the Randomized ISAR Absorb MI Trial
Presenting Author: Jens Wiebe
1:10 AMI and Vulnerable Plaque and Patient Studies
Discussion
1:15 AMI and Vulnerable Plaque and Patient Studies
TCT 12: Results from the CAMI1 Study: Selective CRP apheresis as a new treatment option in acute myocardial infarction
Presenting Author: Christoph Dietrich Garlichs
1:25 AMI and Vulnerable Plaque and Patient Studies
Discussion
1:30 AMI and Vulnerable Plaque and Patient Studies
Session II. Vulnerable Plaque and Patient Studies
Moderators: Amir Lerman, Peter H. StoneDiscussants: Brian K. Courtney, Ranil De Silva, Christoph Dietrich Garlichs, Elvin Kedhi, Pedro R. Moreno, Yasunori Ueda

1:30 AMI and Vulnerable Plaque and Patient Studies
TCT 13: Alirocumab improve coronary plaque vulnerability: first randomized control trial to assess the effect of alirocumab for plaque vulnerabilityusing optical coherence tomography.
Presenting Author: yoichiro sugizaki
1:40 AMI and Vulnerable Plaque and Patient Studies
Discussion
1:45 AMI and Vulnerable Plaque and Patient Studies
TCT 14: Assessment of the Sources of Near infrared Auto fluorescence in High risk Coronary Artery Plaques: a Histopathologic Correlative Study
Presenting Author: Mie Kunio
1:55 AMI and Vulnerable Plaque and Patient Studies
Discussion
2:00 AMI and Vulnerable Plaque and Patient Studies
TCT 15: Prognostic Impact of Healed Coronary Plaque in Non culprit Segments Assessed by Optical Coherence Tomography
Presenting Author: Eisuke Usui
2:10 AMI and Vulnerable Plaque and Patient Studies
Discussion
2:15 AMI and Vulnerable Plaque and Patient Studies
TCT 16: Longitudinal Distribution of Lipid Rich Plaque in Nonculprit Lesions: A Lipid Rich Plaque LRP Study Sub analysis
Presenting Author: Evan Shlofmitz
2:25 AMI and Vulnerable Plaque and Patient Studies
Discussion

COMPLICATIONS OF TAVR: STROKE AND CORONARY OBSTRUCTION
12:30 pm - 1:30 pm
Session I. Coronary obstruction after TAVR

12:30 pm TCT 17: Coronary Obstruction Risk Assessment: A Comparison of Snorkel Stenting and BASILICA
Presenting Author: John Lisko

12:40 pm Discussion

12:45 pm TCT 18: Impact of Initial Evolut TAVR Deployment Orientation on Final Valve Orientation and Coronary Reaccess: A Pilot Study
Presenting Author: Gilbert Tang - DUPE

12:55 pm Discussion

1:00 pm TCT 19: Outcome of Coronary Ostial Stenting to Prevent Coronary Obstruction During TAVR: an International Multicenter Registry
Presenting Author: Antonio Mangieri

1:10 pm Discussion

1:15 pm TCT 20: Aortic Root Anatomy in Low Risk Patients After Transcatheter Aortic Valve Replacement with a Balloon Expandable Valve: Impact on Coronary Access and Repeat Aortic Valve Interventions
Presenting Author: Toby Rogers

1:25 pm Discussion

1:30 pm - 2:30 pm
Session II. Stroke after TAVR
Moderators: Karel T. Koch, Ulf Landmesser; Discussants: Mark C. Bates, Asim Cheema, Alejandro Cherro, Nabil Farag, Saib Khogali

1:30 pm TCT 21: Incidence And Clinical Outcomes Of Stroke In Patients With Percutaneous Mechanical Circulatory Support Devices: Insights from Large National Database
Presenting Author: Mohit Pahuja

1:40 pm Discussion

1:45 pm TCT 22: Impact of Transcatheter Aortic Valve Implantation on Microemboli 24 to 48 hours after Valve Implantation Observed as High Intensity Transient Signals on Transcranial Doppler: Prevalence and Implications
Presenting Author: Navneet Sharma

1:55 pm Discussion

2:00 pm TCT 23: Heterogeneity of Debris Captured by Cerebral Embolic Protection Filters During Transcatheter Aortic Valve Replacement With Different Transcatheter Heart Valves
Presenting Author: Huibert Kroon

2:10 pm Discussion

2:15 pm TCT 24: Clinical predictors for procedural stroke and implications for embolic protection device during TAVI: Results from the multicenter Transcatheter Aortic valve implantation in hosPital stroKe TASK study
Presenting Author: Amit Segev

2:25 pm Discussion

12:30 pm - 1:30 pm
Session I. DES: New Studies, New Insights
Moderators: Thomas A. Ischinger, Tulio Palmerini; Discussants: Mohamed Ali Elsalamony, Anton Farkas, Nickolas Nodar Kipshidze, David F. Kong, Ganesan R. Nambirajan

12:30 pm TCT 41: A prospective multicentre randomized all comers trial to assess the safety and effectiveness of the ultra thin strut sirolimus eluting coronary stent Supraflex: 2 year results of the TALENT trial
Presenting Author: Patrick W. Serruys

12:40 pm Discussion

12:45 pm TCT 42: Polymer free Drug coated vs. Bare metal Coronary Stents in Patients Undergoing Non cardiac Surgery A Subgroup Analysis of the LEADERS FREE Trial
Presenting Author: Gert Richardt

12:55 pm Discussion

1:00 pm TCT 43: A Prospective Randomized Multicenter Study to Assess the Safety and Effectiveness of the Orsiro Sirolimus Eluting Stent in the Treatment of Subjects with up to two de novo Coronary Artery Lesions BIOFLOW IV: 4 Years Clinical Results
Presenting Author: ton slagboom

1:10 pm Discussion

1:15 pm TCT 44: Impact of Stent Edge Hinging on Chronic Neointimal Hyperplasia after Newer Generation Drug Eluting Stent Placement in RCA
Presenting Author: Takahiro Jimba

1:25 pm Discussion

1:30 pm - 2:30 pm
Session II. BVS: New Studies, New Insights
Moderators: Tommaso Gori, John A. Ormiston; Discussants: Arif Al Nooryani, Vasan Farooq, Stephen P. Hoole, Sundeep Mishra, Alexander Nikanorov, Jean-François Tanguy

1:30 pm TCT 45: Safety and Performance of the Resorbable Magnesium Scaffold Magmaris in a Real World Setting First Cohort Subjects at 12 month Follow up of the BIOSOLVE IV Registry
Presenting Author: Stefan Verheye

1:40 pm Discussion

1:45 pm TCT 46: FANTOM II trial: Safety amp Performance Study of the Fantom Sirolimus Eluting Bioreabsorable Coronary Scaffold First Report on Initial 48 Month Outcomes
Presenting Author: Stefan Verheye

Last Updated 08/16/2019  Page: 15
ENDOVASCULAR INTERVENTIONS

Endovascular Interventions

Vascular

WEDNESDAY, SEPTEMBER 25, 2019
12:30 PM - 2:30 PM
Moscone South, Level Two, Room 216

12:30 PM - 1:30 PM
Session I. Chronic limb ischemia

12:30 PM TCT 57: Plantar Thermography in Predicting Wound Healing in Patients with Critical Limb Ischemia
Presenting Author: Wei-chun Chang

12:40 PM Discussion

12:45 PM TCT 58: Predictors associating with major amputation in critical limb ischemia patients with WIfI stage 4
Presenting Author: Norihiro Kobayashi

12:55 PM Discussion

1:00 PM TCT 59: Atherosclerotic Swine Model for Anatomically Correct Investigation of Below the Knee Interventional Therapies: Preliminary Characterization
Presenting Author: Marco Ferrone

1:10 PM Discussion

1:15 PM TCT 60: Novel 6 Month Angiographic Outcomes in Below Knee Disease and Correlation to 12 Month Clinical Results
Presenting Author: Ehrin J. Armstrong

1:25 PM Discussion

1:30 PM - 2:30 PM
Session II. Endovascular potpourri

INTRAVASCULAR IMAGING

Intravascular Imaging

Coronary: Core

WEDNESDAY, SEPTEMBER 25, 2019
12:30 PM - 2:30 PM
Room 211

12:30 PM - 1:30 PM
Session I. Intravascular Imaging Part I

12:30 PM TCT 49: Perceived versus competency based assessment of interventional cardiology fellows abilities in intracoronary physiology and imaging
Presenting Author: Erin Flattery

12:45 PM Discussion

12:45 PM TCT 50: Comparison of Saline and Radiographic Contrast for Optical Coherence Tomography Guided Intracoronary Imaging
Presenting Author: Ankita Gore

12:55 PM Discussion

1:00 PM TCT 51: IVUS Predictors of Stent Expansion in Severely Calcified Lesions
Presenting Author: mingyou zhang

1:10 PM TCT 61: One Year Outcome of Subintimal versus Intraluminal Approach Subintimal versus Intraluminal Wire Passage Based on Intravascular Ultrasound Findings For Femoro Popliteal Chronic Total Occlusions.
Presenting Author: Yuusuke Tomoi

1:40 PM Discussion

1:45 PM TCT 62: A polymer free paclitaxel eluting stent Zilver PTX versus a bare metal stent Misago for de novo femoropopliteal lesions
BATTLE: a randomised trial
Presenting Author: Yann Gouëffic

2:10 PM Discussion

2:15 PM TCT 64: Intravascular Molecular Structural Imaging of Arterial Permeability and Vascular Injury In Vivo: Implications for Drug Coated Balloon Efficacy
Presenting Author: Mazen Albaghdadi

2:25 PM Discussion
1:10 PM Discussion
1:15 PM TCT 52: Impact of Subintimal Tracking for Recanalization of CTO Lesions on long term Clinical Outcomes
Presenting Author: SEIJI KANO
1:25 PM Discussion

1:30 PM - 2:30 PM
Session II. Intravascular Imaging Part II
Moderators: Daniel Chamie, John McB. Hodgson
Discussants: Kevin J. Croce, Joost Daemen, Tatsuhito Fujimura, Nieves Gonzalo, Christopher Kim, Massoud A. Leesar

1:30 PM TCT 53: Impact of Intravascular Ultrasound Utilization on Outcomes Following Percutaneous Coronary Intervention for In stent Restenosis
Presenting Author: Evan Shlofmitz

1:40 PM Discussion
1:45 PM TCT 54: The Application of Predefined Optimization Criteria for Intravascular Ultrasound Guidance of Left Main Coronary Artery Stenting Improves Outcomes.
Presenting Author: Jose M. de la Torre Hernandez

1:55 PM Discussion
2:00 PM TCT 55: Incidence Predictors and Clinical Implications of Stent Optimization on Intravascular Ultrasound After New generation Drug eluting Stent Implantation for Diffuse Long Coronary Stenotic Lesions
Presenting Author: Byeong-Keuk Kim

2:10 PM Discussion
2:15 PM TCT 56: Impact of Neoatherosclerosis on clinical Outcomes after Repeat Revascularization of In Stent Restenosis of 2nd Generation Drug Eluting Stents
Presenting Author: Zhaoyang Chen

2:25 PM Discussion

PCI IN PATIENTS WITH HEAVILY CALCIFIED LESIONS AND CHRONIC KIDNEY DISEASE

PCI in Patients with Heavily Calcified Lesions and Chronic Kidney Disease
Coronary: CHIP

WEDNESDAY, SEPTEMBER 25, 2019
12:30 PM - 2:30 PM
Room 207

12:30 PM - 1:30 PM
Session I. PCI of heavily calcified lesions
Moderators: Michael J. Cowley, Jeff Marshall
Discussants: Tayo A. Addo, Ramesh Adiroju, Ahmed Elghamaz, Jack Hall, Stefan Harb, Jun Jiang

12:30 PM TCT 25: Comparative Safety and Effectiveness of Orbital and Rotational Atherectomy in Patients Undergoing Percutaneous Coronary Intervention: Insights from the Blue Cross Blue Shield of Michigan Cardiovascular Consortium BMCM2

Presenting Author: Devika Aggarwal
12:40 PM Discussion
12:45 PM TCT 26: Predictors of Bailout Rotational Atherectomy in Patients With Complex Calcified Coronary Artery Disease: A Pooled Analysis From the Randomized ROTAXUS and PREPARE CALC Trials
Presenting Author: Mohamed Abdel-Wahab

12:55 PM Discussion
1:00 PM TCT 27: Safety and Effectiveness of Coronary Intravascular Lithotripsy for Treatment of Severely Calcified Coronary Stenoses: The Disrupt CAD II study

1:10 PM Discussion
1:15 PM TCT 28: Comparative Study of Resource Utilisation Costs and Procedural Times of Percutaneous Coronary Intervention with Rotational Atherectomy vs Intravascular Lithotripsy
Presenting Author: Shafeer G. Rashid

1:25 PM Discussion

1:30 PM - 2:30 PM
Session II. PCI in Chronic Kidney Disease
Moderators: Donald Cutlip, Spencer B. King III
Discussants: Sanjeev Kumar Agarwal, Graham A. Cassel, Kam-Tim Chan, Steffen Desch, Marcello Sena, Junjie Zhang

1:30 PM TCT 29: Impact of intravascular ultrasound guided drug eluting stent implantationon patients with chronic kidney disease:subgroup analysis from ULTIMATE trial
Presenting Author: Junjie Zhang

1:40 PM Discussion
1:45 PM TCT 30: Ultra Low Contrast Coronary Angiography in Patients with Advanced Chronic Kidney Disease Feasibility and Outcomes Compared with Conventional Angiography
Presenting Author: NAVDEEP BHATTI

1:55 PM Discussion
2:00 PM TCT 31: Use of Iso Osmolar Contrast Media in High AKI Risk Patients Undergoing Peripheral Revascularization Procedures Is Associated with Lower Incidence of Major Adverse Renal or Cardiac Events MARCE
Presenting Author: Anand Prasad

2:10 PM Discussion
2:15 PM TCT 32: Clinical Outcomes of Imaging and Physiology guided PCI without Contrast Administration in Advanced Renal Failure
Presenting Author: Hussein M. Rahim

2:25 PM Discussion

TAVR COMPLICATIONS AND CONGENITAL HEART DISEASE INTERVENTIONS

TAVR Complications and Congenital Heart Disease Interventions

Structural: Valve

WEDNESDAY, SEPTEMBER 25, 2019
12:30 PM - 2:30 PM
Room 215
12:30 PM - 2:30 PM
Session I. TAVR Complications
Moderators: Ronald Caputo, Bernhard Reimers
Discussants: Quang T. Bui, Mohamed Mohamed Elmaraghi, Vincent J. Pompili, Darren Walters

12:30 PM TCT 33: Bioprosthetic valve fracture performed pre versus post valve in valve transcatheter aortic valve replacement: Insights from bench testing
Presenting Author: Janarthanan Sathananthan

12:40 PM Discussion
12:45 PM TCT 34: Bioprosthetic valve fracture can eliminate preexisting prosthesis patient mismatch
Presenting Author: Christina Brinkmann

12:55 PM Discussion
1:00 PM TCT 35: Redo Transcatheter Aortic Valve Replacement for Structural and Non Structural Transcatheter Valve Dysfunction: Initial Experience From a Single High Volume Center
Presenting Author: Lisa Crusius

1:10 PM Discussion
1:15 PM TCT 36: Clinical Predictors of Hypo Attenuated Leaflet Thickening Following Transcatheter Aortic Valve Replacement with 320 Multislice Scanner: A Single Center Experience
Presenting Author: Hashrul Rashid

1:25 PM Discussion

1:30 PM - 2:30 PM
Session II. Congenital Heart Disease Interventions
Discussant: Samer Abbas, John P. Breinholt, Matthew J. Daniels, Makram R. Ebeid, Alexander Grigorievich Osiev

1:30 PM TCT 37: Moderate to Severe Tricuspid Regurgitation in Adults Undergoing Transcatheter Atrial Septal Defect Closure
Presenting Author: Yvonne Bach

1:40 PM Discussion
1:45 PM TCT 38: Transcatheter Closure of Coronary Artery Fistula: Clinical and Angiographic Outcomes From a 21 Year Experience at a Single Center
Presenting Author: Bassim El-Sabawi

1:55 PM Discussion
2:00 PM TCT 39: Long Term Clinical and Echocardiographic Results After PFO Closure with Occlutech Figulla Flex II Device:a Single Center Prospective Registry
Presenting Author: Daniela Trabattoni

2:10 PM Discussion
2:15 PM TCT 40: Transcatheter versus Surgical Pulmonic Valve Replacement in the United States
Presenting Author: Sanjay Venkatesh

2:25 PM Discussion

CTO INTERVENTIONS

CTO Interventions
Coronary: CHIP

WEDNESDAY, SEPTEMBER 25, 2019
3:00 PM - 5:00 PM
Room 213

3:00 PM - 4:00 PM
Session I. CTO Part I
Moderators: Angela Hoye, Toshiya Muramatsu
Discussants: Yaron Almagor, Leszek Bryniarski, Debrahata Dash, Jasvinder Singh, Carlos E. Uribe

3:00 PM TCT 97: Subintimal Versus Intraplaque Recanalization of Coronary Chronic Total Occlusions Mid term Angiographic and Optical Coherence Tomography Findings from the ISAR OCT CTO Registry
Presenting Author: Erion Xhepa

3:10 PM Discussion
3:15 PM TCT 98: Five Year Clinical Results of Full Metal Jacket With Drug Eluting Stents for Coronary Chronic Total Occlusion
Presenting Author: Lei Song

3:25 PM Discussion
3:30 PM TCT 99: Outcomes with retrograde vs. antegrade chronic total occlusion revascularization
Presenting Author: Michael Megaly

3:40 PM Discussion
3:45 PM TCT 100: Impact of Appropriate Indications on Clinical Outcomes after CTO PCI: Immediate and 5 Year Results in 2659 Consecutive Patients
Presenting Author: Changdong Guan

3:55 PM Discussion

4:00 PM - 5:00 PM
Session II. CTO Part II
Moderators: Bradley H. Strauss
Discussants: Yasushi Asakura, Gregory Barsness, Mauro Carlino, Alfredo R. Galassi, Pravin K. Goel, Edward J. McNulty

4:00 PM TCT 101: Percutaneous Coronary Interventionof Aorto ostial Coronary Chronic Total Occlusion: Results and Technical Implications From a Multicenter Registry
Presenting Author: Soledad Ojeda

4:10 PM Discussion
4:15 PM TCT 102: Impact of Coronary Artery Bypass history in patients undergoing Chronic Total Occlusion Percutaneous Coronary Intervention: procedural and clinical outcomes from the Registry of CrossBoss and Hybrid Procedures in France The Netherlands Belgium and United Kingdom RECHARGE
Presenting Author: Simone Budassi

4:25 PM Discussion
4:30 PM TCT 103: Wire Location by IVUS Strongly Predicts Procedural Success in the Retrograde Approach for Chronic Total Occlusions
Presenting Author: Sanjay Venkatesh
COMPLEX PCI AND LEFT MAIN INTERVENTIONS

HYPERTENSION AND HEART FAILURE THERAPIES
4:00 PM - 5:00 PM
Session II. Heart Failure Therapies
Moderators: Bernard J. Gersh, Christopher O’Connor
Discussants: Otavio Berwanger, Tomasz Jadczyk, Abdullah Al Shafi Majumder, Bilal Mohydin, Shashank Shekhar Sinha

4:00 PM
TCT 85: Minimally invasive catheter based deactivation of left ventricular device without surgical explantation
Presenting Author: Arif Albulushi

4:10 PM
Discussion

4:15 PM
TCT 86: Cardiac autonomic nerves stimulation improves hemodynamics and clinical status in advanced heart failure patients
Presenting Author: Michael Cuchiara

4:25 PM
Discussion

4:30 PM
TCT 87: Levoatrial to coronary sinus shunting as a novel strategy for symptomatic heart failure: first in human experience
Presenting Author: Benjamin Hibbert

4:40 PM
Discussion

4:45 PM
TCT 88: Six Month Outcomes of an Early Feasibility Study of the AccuCinch Left Ventricular Repair System in Patients with Heart Failure and Functional Mitral Regurgitation
Presenting Author: Mark Reisman

LAA CLOSURE AND PULMONARY EMBOLI THERAPIES

LAA Closure and Pulmonary Emboli Therapies
Structural: Non-Valve

WEDNESDAY, SEPTEMBER 25, 2019
3:00 PM - 5:00 PM
Moscone South, Level Two, Room 216

3:00 PM - 4:00 PM
Session I. Left atrial appendage closure
Moderators: Randall J. Lee, Petr Neuzil
Discussants: Marek Grygier, Jamie Kim, Marco G. Mennuni, Thomas Schmitz, Zoltan G. Turi

3:00 PM
TCT 113: Adverse Events after Left Atrial Appendage Closure: Lessons Learned from the Manufacturer and User Facility Device Experience MAUDE database.
Presenting Author: Swaiman Singh

3:10 PM
Discussion

3:15 PM
TCT 114: Comparative Data on Left Atrial Appendage Occlusion Efficacy and Clinical Outcomes by Age Group in the Amplatzer Amulet Observational Study
Presenting Author: Xavier Freixa

3:25 PM
Discussion

3:30 PM
TCT 115: The novel Watchman FLX for left atrial appendage closure. Early European experience.
Presenting Author: Jens Erik Nielsen-Kudsk

3:40 PM
Discussion

3:45 PM
TCT 116: Peri device leaks following transcatheter left atrial appendage occlusion with the Amplatzer devices: Correlation between cardiac CT and transesophageal echocardiography
Presenting Author: Kasper Korsholm

3:55 PM
Discussion

4:00 PM - 5:00 PM
Session II. Acute and Chronic Pulmonary Emboli Therapies
Moderators: Jay S. Giri, Amit Segev
Discussants: Matthew D. Bacchetta, Seiichi Hiramori, Maddury Jyotsna, Akhilesh K. Sista

4:00 PM
TCT 117: Novel optical coherence tomography classification of intravascular lesions in patients with chronic thromboembolic pulmonary hypertension treated with balloon pulmonary angioplasty.
Presenting Author: Stanislaw Jankiewicz

4:10 PM
Discussion

4:15 PM
TCT 118: Balloon pulmonary angioplasty for segmental and subsegmental thromboembolic lesions in patients with chronic thromboembolic pulmonary hypertension
Presenting Author: Vladimir Losev

4:25 PM
Discussion

4:30 PM
TCT 119: Reduced Mortality in Severe PE with Ultrasound Assisted Catheter Directed Thrombolysis: A Single Center Experience.
Presenting Author: Shayan Nabavi Nouri

4:40 PM
Discussion

4:45 PM
TCT 120: Utilization of Percutaneous Thrombectomy in Patients with Massive and Very High risk Submassive Acute Pulmonary Embolism
Presenting Author: Catalin Toma

4:55 PM
Discussion

MITRAL AND TRICUSPID VALVE INTERVENTIONS

Mitral and Tricuspid Valve Interventions
Structural: Valve

WEDNESDAY, SEPTEMBER 25, 2019
3:00 PM - 5:00 PM
Room 215

3:00 PM - 4:00 PM
Session I. Mitral Valve Interventions
Moderators: Saibal Kar, Alfredo Trento
Discussants: Sukhdeep Singh Basra, Eduardo De Marchena, Christian Frerker, George Gellert, Jan Harnek

3:00 PM
TCT 89: Right to Left Shunt through Iatrogenic Atrial Septal Defect after MitraClip Procedure
Presenting Author: Takao Morikawa
NOVEL TAVR DATA

<table>
<thead>
<tr>
<th>Novel TAVR Data</th>
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WEDNESDAY, SEPTEMBER 25, 2019
3:00 PM - 5:00 PM
Room 209-210

### Session II. Tricuspid Valve Interventions

**Moderators:** Karl-Heinz Kuck
**Discussants:** Jörg Hausleiter, Robert J. Lederman, Georg Lutter, G. Burkhard Mackensen, Randolph P. Martin, Maurizio Taramasso

- **3:00 PM**
  - **TCT 90:** Electrosurgical Laceration and STAbilization of a MitraClipELASTA Clip
  - **Presenting Author:** John Lisko

- **3:15 PM**
  - **TCT 91:** One Year Outcomes From the Multicenter Prospective Study With the Novel PASCAL Transcatheter Valve Repair System for Patients With Mitral Regurgitation in the CLASP Study
  - **Presenting Author:** Saibal Kar

- **3:40 PM**
  - **TCT 92:** Antegrade LAMPOON Intentional Percutaneous Laceration of the Anterior Mitral Leaflet to Prevent Outflow Obstruction: A Novel Modification of the Previously Described Retrograde LAMPOON is a Technically Feasible Reproducible Effective and Safe Modification of This Procedure
  - **Presenting Author:** Isida Byku

**Session II. Novel TAVR Data**

**Moderators:** Jorge A. Belardi
**Discussants:** Tiziana Claudia Aranzulla, Matjaz Bunc, Aakriti Gupta, Simon Cheung-chi Lam, Philip A. MacCarthy, Alfredo Marchese

- **3:00 PM**
  - **TCT 73:** The Relative Effects of New Pacemakers versus Left Bundle Branch Block on Clinical and Echocardiographic Outcomes in the PARTNER Trials
  - **Presenting Author:** Jose M. Dixon

- **3:10 PM**
  - **TCT 74:** Baseline Left Ventricular Hypertrophy and Five Year Outcomes after Transcatheter Aortic Valve Replacement: An Analysis of the PARTNER Trials and Registries
  - **Presenting Author:** Holly Gonzales

- **3:25 PM**
  - **TCT 75:** Infective Endocarditis After Transcatheter Aortic Valve Replacement: Findings From a UK Nationwide Linkage Study
  - **Presenting Author:** Tom Cahill

- **3:40 PM**
  - **TCT 76:** Mid term Outcomes after Transcatheter Aortic Valve Replacement with a Mechanically expanded versus Self Expandable Valve: 3 year Results from the REPRISE III Randomized Trial
  - **Presenting Author:** David G. Rizik

**Session II. Novel TAVR Data**

**Moderators:** Alain G. Cribier, Hans R. Figulla
**Discussants:** Cameron Dowling, Karim El Chilali, Vivek Gupta, Vijay Iyer, Jan Kovac, Gerhard C. Schuler

- **4:00 PM**
  - **TCT 77:** Transcarotid Versus SubclavianAxillary Access for Transcatheter Aortic Valve Replacement: Real World Comparative Outcomes Utilizing the TVT Registry
  - **Presenting Author:** James B. Hermiller Jr

- **4:10 PM**
  - **TCT 78:** Transcatheter Aortic Valve Replacement in Patients With Large and Extra Large Aortic Annuli: Hemodynamic Performance of New Generation Balloon and Self Expandable Aortic Valves.
  - **Presenting Author:** Luis Nombela-Francisco

- **4:25 PM**
  - **TCT 79:** Multimodality Assessment of Prosthetic Valve Regurgitation to Predict Reverse Cardiac Remodeling and Long term Clinical Outcomes after Transcatheter Aortic Valve Replacement Results From the Prospective POST TAVI Registry
  - **Presenting Author:** Mohammad Abdeghani

- **4:40 PM**
  - **TCT 80:** Predictors of residual significant mean gradient after TAVR in bicuspid aortic valve stenosis: insights from the BEAT international collaborative registry.
  - **Presenting Author:** Antonio Mangieri
PHYSIOLOGIC GUIDANCE: HYPEREMIC, BASAL AND ANGIOGRAPHIC STUDIES

Physiologic Guidance: Hyperemic, Basal and Angiographic Studies

Coronary: Core

WEDNESDAY, SEPTEMBER 25, 2019
3:00 pm - 5:00 pm
Room 211

3:00 pm - 4:15 pm
Session I. FFR and iFR
Moderators: Justin E. Davies, Morton J. Kern
Discussants: Jung-Min Ahn, Walter Desmet, David Erlinge, Allen Jeremias, Shahar Lavi, Joo Myung Lee

3:00 pm
TCT 105: Diagnostic Performance of Fractional Flow Reserve and Instantaneous Wave free Ratio in LAD and non LAD: Results of Iberian Dutch English IDEAL LAD Study.
Presenting Author: Yuetsu Kikuta

3:10 pm
Discussion

3:15 pm
TCT 106: FFR in non culprits in STEMI: a substudy of the COMPARE ACUTE trial
Presenting Author: Zsolt Piroth

3:25 pm
Discussion

3:30 pm
TCT 107: An Attenuated Response to Adenosine Secondary to Coronary Microvascular Dysfunction in Patients Undergoing Fractional Flow Reserve FFR Assessment.
Presenting Author: David E. Barton

3:40 pm
Discussion

3:45 pm
TCT 108: Physiologic Characteristics and Clinical Outcomes of Patients with Discordance Between Fractional Flow Reserve and Instantaneous Wave Free Ratio
Presenting Author: Seung Hun Lee

3:55 pm
Discussion

4:00 pm
TCT 109: Inaccuracy of FFR in Clinical Practice: A High Volume Single Center Experience
Presenting Author: Ankita Gore

4:10 pm
Discussion

4:15 pm - 5:00 pm
Session II. Angiography-based FFR
Moderators: Niels R. Holm, Bo Xu
Discussants: Javier Escaned, Paul Knaapen, Ran Kornowski, Alexander J. Lansky, Amir Lerman, Shengxian Tu

4:15 pm
TCT 110: The Prognostic Value of Angiography Based vessel FFR after successful Percutaneous Coronary Intervention: The FAST Outcome study
Presenting Author: Kaneshka Masdjedi

4:25 pm
Discussion

4:30 pm
TCT 111: Clinical implication of quantitative flow ratio after percutaneous coronary intervention for three vessel disease
Presenting Author: Norhiro Kohame

4:40 pm
Discussion

4:45 pm
TCT 112: Comparison Between the Diagnostic Performance of Quantitative Flow Ratio and Myocardial Perfusion Imaging for Detecting Myocardial Ischemia
Presenting Author: Pepijn van Diemen

4:55 pm
Discussion

THURSDAY, SEPTEMBER 26, 2019
MAIN ARENA I, THURSDAY, SEPT. 26

8:00 am - 1:15 pm
Main Arena

8:00 am - 9:00 am
Live Cases #1
Live Case Moderators: Martin B. Leon
Live Case Co-Moderators: Ran Kornowski
Live Case Discussants: Yaron Almagor, Alain G. Cribier, Tony J. DeMartini, Darshan Doshi, Susheel K. Kodali, Chaim S. Lotan, Randolph P. Martin, Jeffrey J. Popma, Michael J. Reardon, Georgios Sianos

8:00 am
NYPHColumbia University Medical Center New York NY CHIPCTO
Live Case Operators: Michael B. Collins, Dimitri Karmpaliotis, Nicholas J. Lembo, Akiko Maehara, Jeffrey W. Moses, Manish A. Parikh
Live Case Operators: Michael B. Collins, Dimitri Karmpaliotis, Nicholas J. Lembo, Akiko Maehara, Jeffrey W. Moses, Manish A. Parikh
Live Case Operators: Michael B. Collins, Dimitri Karmpaliotis, Nicholas J. Lembo, Akiko Maehara, Jeffrey W. Moses, Manish A. Parikh
Live Case Operators: Antonio Colombo, William Nicholson

8:40 am
Hadassah Medical Center Hadassah Israel SHD
Live Case Operator: Ronen Beeri, Haim Danenberg, Chaim S. Lotan, David Planer, Mony Shuvy

8:40 am
Welcome Message

9:25 am
TCT Welcome Message

9:25 am
Welcome Message Video
Moderator: Juan F. Granada, Martin B. Leon, Gregg W. Stone

9:30 am - 10:15 am
Featured Lecture: Healthcare, Remixed by Dr. Zubin Damania

10:15 am
Career Achievement Award
Moderators: Martin B. Leon, Gregg W. Stone
Award Recipients: Robert O. Bonow

10:15 am
Career Achievement Award Presentation
Lecturer: Martin B. Leon

10:30 am - 11:30 am
Late-Breaking Trials 1, Co-Sponsored by Lancet
LIVE CASE TRANSMISSION THEATER I, THURSDAY, SEPT. 26

8:00 am - 12:00 pm
Live Case Theater

8:00 am - 9:30 am
Session I. Live Cases: Coronary and Left Main/Bifurcation
Live Case Moderators: Ajay J. Kirtane

8:45 am NYPHColumbia University Medical Center New York NY
Live Case Operators: Michael B. Collins, Dimitri Karmpaliotis, Nicholas J. Lembo, Akiko Maehara, Jeffrey W. Moses, Manish A. Parikh
Live Case Case Operators: Michael B. Collins, Dimitri Karmpaliotis, Nicholas J. Lembo, Akiko Maehara, Jeffrey W. Moses, Manish A. Parikh
Live Case Guest Operators: Antonio Colombo, William Nicholson

9:30 am - 11:00 am
Session II. Live Cases: SHD
Live Case Moderators: David H. Adams
Live Case Discussants: Samir R. Kapadia
Live Case Case Operators: Saif Anwaruddin, Charles J. Davidson, Chandan Devireddy, Neil P. Fam, Rebecca T. Hahn, Chaim S. Lotan, Jason H. Rogers, Molly Szerlip, Maurizio Taramasso, Dee Dee Wang

9:30 am Minneapolis Heart Institute Minneapolis MN
Live Case Operator: Emmanouil S. Brilakis, Paul Saroja

10:15 am Hadassah Medical Center Hadassah Israel
Live Case Operator: Ronen Beeri, Haim Danenberg, David Planer, Mony Shuvy

11:00 am - 12:00 pm
Session III. Live Cases: Coronary
Live Case Moderators: James C. Spratt

11:00 am NYPHColumbia University Medical Center
Live Case Operators: Dimitri Karmpaliotis, Akiko Maehara, Jeffrey W. Moses, Manish A. Parikh
Live Case Case Operators: Dimitri Karmpaliotis, Akiko Maehara, Jeffrey W. Moses, Manish A. Parikh
Live Case Guest Operators: Antonio Colombo, William Nicholson

LIVE CASE TRANSMISSION THEATER II, THURSDAY, SEPT. 26

2:00 pm - 6:00 pm
Live Case Theater
TRANSCATHETER VALVE THERAPY | THURSDAY, SEPTEMBER 26, 2019

METALLIC DES PART 1: STENT DIFFERENCES AND DAPT DURATION

Metallic DES Part 1: Stent Differences and DAPT Duration

Coronary: Core

THURSDAY, SEPTEMBER 26, 2019
8:00 am - 10:00 am
Room 152/154

8:00 am - 8:32 am
Session I: Drug-Eluting Stents — Hot Topics
Moderators: Robert A. Byrne, Dean J. KereiakesDiscussants: Andreas Baumbach, Jose M. De la Torre Hernandez, Nicolas Foin, Mamas Mamas, Oscar A. Mendiz, Christian M. Spaulding

8:00 am Clinical Trial Snapshots: Top DES Randomized Trials of the Last 2 Years
Lecturer: Mamas Mamas

8:10 am Opening Debate: Which Metallic DES Should Be on My Cath Lab Shelf

8:10 am Choose Whatever You Want Most
Contemporary DES Display Comparable Clinical Performance
Lecturer: Roxana Mehran

8:17 am Choose Carefully: The Best New Generation
DES are Associated With Meaningful Improvements In Performance and Outcomes
Lecturer: David E. Kandzari

8:24 am Roundtable Discussion With Audience QA
Lecturer: David E. Kandzari

8:32 am - 9:16 am
Session II. DES Design and Clinical Outcomes
Moderators: Juan F. Granada, Michael JonerDiscussants: Adnan K. Chhatriwalla, Donald Cutlip, Aloke Finn, Renu Virmani, Simon J. Walsh

8:32 am Impact of Stent Design Features on Vascular Healing and Surface Thrombogenicity: What Really Matters
Lecturer: Grzegorz L. Kaluza

8:39 am The Case for Further Reducing Strut Thickness: Technical Challenges and Clinical Benefits
Lecturer: Sripal Bangalore

8:47 am Biodegradable Polymer DES: Do Clinical Trial Data Support Claims of Superior Safety or Effectiveness
Lecturer: Takeshi Kimura

8:54 am Polymer Free DES: Lessons Learned From Recent Trials
Lecturer: Michael Maeng

9:01 am Pro Healing Stents With Active and Passive Coatings: Latest Clinical Evidence
Lecturer: Roxana Mehran

9:07 am Roundtable Discussion With Audience QA

9:16 am - 9:35 am
Session III: Novel Metallic Stents From China and India
Moderators: Ashok Seth, Bo XuDiscussants: Vinay K. Bahl, Junbo Ge, Michael Haude, Henning Kelbæk, Sreenivas Arramraju Kumar, Samuel K. Mathew

9:16 am Primer on Metallic Stents Developed in China
Lecturer: Runlin Gao

9:23 am Primer on Metallic Stents Developed in India
Lecturer: Upendra Kaul

9:30 am Roundtable Discussion With Audience QA

9:35 am - 10:00 am
Session IV: DES and DAPT Duration

9:35 am The Low Bleeding Risk Patient: Should DAPT be Tailored Based on Clinical Presentation Anatomic Complexity or DES Type
Lecturer: Ajay J. Kirtane

9:43 am The High Bleeding Risk Patient: Current Recommendations and Overview of Dedicated Trials
Lecturer: Stephan Windecker

9:51 am Roundtable Discussion With Audience QA

MITRACLIP STUDIES AND TECHNIQUE

MitraClip Studies and Technique

Structural: Valve
THURSDAY, SEPTEMBER 26, 2019
8:00 AM - 10:00 AM
Room 155/157

8:00 AM - 8:51 AM
Session I: MitraClip in DMR and FMR
Moderators: Gorav Ailawadi, James B. Hermiller Jr. Discussants: Stefan Anker, Anita Asgar, Blase A. Carabello, Megan Coylewright, Richard Smalling, Frederick G. St. Goor

8:00 AM DMR: EVEREST II Was a Decade Ago Have MitraClip Techniques and Outcomes Improved
Lecturer: Stephen H. Little

8:07 AM Successful Case in Complex Anatomy
Case Presenter: Gagan D. Singh

8:13 AM Case of MitraClip Failure in Complex DMR Anatomy
Case Presenter: Molly Szerlip

8:19 AM Roundtable Discussion With Audience QA

8:24 AM FMR: Two Year MITRA FR Data and Reconciliation With COAPT
Lecturer: Guillaume Leurent

8:31 AM Patient Selection for MitraClip in Heart Failure With FMR: What Are the COAPT Criteria and Where if Anywhere Might They Be Stretched
Lecturer: Milton Packer

8:38 AM FMR Heart Failure Management: How Should the Heart Team Function
Lecturer: JoAnn Lindenfeld

8:44 AM Roundtable Discussion With Audience QA

8:51 AM - 10:00 AM
Session II: MitraClip Imaging and Technique Issues

8:51 AM What Are the Essential Echocardiographic Characteristics for MitraClip in DMR With Case Examples
Lecturer: Howard C. Herrmann

8:59 AM What Are the Essential Echocardiographic Characteristics for MitraClip in FMR With Case Examples
Lecturer: Federico M. Asch

9:07 AM Role of CT Imaging for MitraClip Guidance
Lecturer: Nicolas M. Van Mieghem

9:13 AM Roundtable Discussion With Audience QA

9:18 AM Coaptation Clipping: In the Middle vs. Zip and Clip With Case Examples
Lecturer: Hüseyin Ince

9:25 AM Mitral Stenosis Issues After MitraClip: What Are the Stopping Boundaries With Case Examples
Lecturer: Jörg Hausleiter

9:32 AM NTR vs. XTR: When How and Why to Use
Lecturer: Matthew J. Price

Lecturer: John D. Carroll

9:46 AM Approaches to Acute and Late MitraClip Failures
Lecturer: Isaac George

9:53 AM Roundtable Discussion With Audience QA

LARGE-BORE ACCESS AND CLOSURE

THURSDAY, SEPTEMBER 26, 2019
10:00 AM - 12:00 PM
Room 156/158

10:00 AM - 11:00 AM
Session I: Practical Skills in Large-Bore Access
Moderators: Adam B. Greenbaum, Tsuyoshi Kaneko Discussants: Amir Kaki, Jaffar Mohammad Khan, Ashish Pershad, Toby Rogers, Ulrich Schäfer, Rajiv Tayal

10:00 AM Ultrasound Guided Access: Image Interpretation and Utility
Lecturer: Mauricio G. Cohen

10:08 AM Large Bore Vascular Access Site Closure Devices: 2019 and Beyond
Lecturer: Zvonimir Krajcer

10:16 AM Roundtable Discussion With Audience QA

10:20 AM Options and Outcomes of Alternative Arterial Access: Carotid Axillary Subclavian Transaortic
Lecturer: James M. McCabe

10:28 AM Axillary Access: Technique and Problem Solving
Lecturer: Rajiv Tayal

10:36 AM Roundtable Discussion With Audience QA

10:40 AM Transcaval Access: Technique Outcomes and Innovations
Lecturer: Vasilis Babaliaros

10:48 AM Transcaval Access: Technique and Problem Solving
Lecturer: Toby Rogers

10:56 AM Roundtable Discussion With Audience QA

11:00 AM - 12:00 PM
Session II: Case-Based Access Challenges
Moderators: James M. McCabe, Tamim M. Nazi Discussants: Megan Coylewright, David Daniels, Jason Foerst, John K. Forrest, Eric Kirker, Perwaiz M. Meraj

11:00 AM Case 1: TAVR With Difficult Access: The Transcarotid Approach
Case Presenter: Ethan C. Korngold

11:05 AM Roundtable Discussion With Audience QA
11:15 AM  Case 1: Resolution  
Case Presenter: Ethan C. Korngold

11:20 AM  Case 2: Supported PCI in a Patient With Severe Peripheral Vascular Disease  
Case Presenter: Ehrin J. Armstrong

11:25 AM  Roundtable Discussion With Audience QA

11:35 AM  Case 2: Resolution  
Case Presenter: Perwaiz M. Meraj

11:40 AM  Case 3: A Large Bore Venous Case With Complications  
Case Presenter: David Daniels

11:45 AM  Roundtable Discussion With Audience QA

11:55 AM  Case 3: Resolution  
Case Presenter: David Daniels

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**PCI PHARMACOTHERAPY: PART 1**

**Coronary: Core**

THURSDAY, SEPTEMBER 26, 2019  
10:00 AM - 12:00 PM  
Room 152/154

10:00 AM - 11:10 AM  
**The Distinct Role of P2Y12 Inhibitors and Aspirin**  
Moderators: Roxana Mehran, Marco Valgimigli  
Discussants: Dimitrios Alexopoulos, Usman Baber, Bernard R. Chevalier, Paul Gurbel, David J. Moliterno, Patrick W. Serruys

10:00 AM  Case Introduction: DAPT Dilemma After a Complex PCI in a High Bleeding Risk Patient  
Case Presenter: Amit N. Vora

10:02 AM  Short and Ultrashort DAPT Strategies After Stent Implantation: What Do We Know and Where Are We Going  
Lecturer: Robert A. Byrne

10:09 AM  P2Y12 Inhibitor Monotherapy After PCI: Is It Time  
10:09 AM  Insights From GLOBAL LEADERS and GLASSY  
Lecturer: Pascal Vranckx

10:16 AM  Insights From TWILIGHT  
Lecturer: Usman Baber

10:23 AM  Insights From STOP DAPT 2  
Lecturer: Takeshi Kimura

10:28 AM  Insights From SMART CHOICE  
Lecturer: Joo-Yong Hahn

10:33 AM  De Escalation: When and How The Role of Platelet Function and Genetic Testing  
Lecturer: Francesco Franchi

10:40 AM  Long Term Antithrombotic Therapy After PCI: How Do I Incorporate COMPASS Into My Practice  
Lecturer: Shamir R. Mehta

10:47 AM  The Approach to the High Bleeding Risk Patient: The Dos and the Donts  
Lecturer: Bernard R. Chevalier

10:54 AM  Roundtable Discussion With Audience QA

11:07 AM  Case Resolution: How Did I Treat and What Happened  
Lecturer: Amit N. Vora

11:10 AM - 12:00 PM  
**Alternative Strategies for Secondary Prevention After PCI: Role of Lipid Management, Inflammation, and More**  
Moderators: C. Michael Gibson, Robert A. Harrington  
Discussants: Marc Bonaca, Jaya Chandrasekhar, Kirk N. Garratt, Wolfgang Koenig, Ulf Landmesser, Chiara Melloni

11:10 AM  Cardiovascular Risk Reduction for Hypertriglyceridemia: Controversies and Recommendations  
Lecturer: Deepak L. Bhatt

11:17 AM  Role of PCSK9 Inhibitors Post PCI and ACS  
Lecturer: Marc S. Sabatine

11:24 AM  Don’t Forget About Your HDL: The AEGIS Program  
Lecturer: C. Michael Gibson

11:31 AM  LPa: Not So Little Anymore  
Lecturer: Carl Lavie

11:38 AM  Tackling Inflammation: Novel Targets  
Lecturer: Wolfgang Koenig

11:45 AM  Novel Approaches in Diabetic Patients After PCI: Role of SGLT2 Inhibitors and Potent Antiplatelet Therapy THEMIS  
Lecturer: Marc Bonaca

11:52 AM  Roundtable Discussion With Audience QA

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**INTRAVASCULAR IMAGING STENT GUIDANCE: PART 1 — THE BASICS**

**Coronary: Core**

THURSDAY, SEPTEMBER 26, 2019  
2:00 PM - 4:00 PM  
Room 152/154

2:00 PM - 3:15 PM  
**Session I: Basics of IVUS and OCT-Guided Stent Implantation**  
Moderators: Evelyn Regar, Gloria Weisz  
Discussants: Brian K. Courtney, Ioannis Iakovou, Takashi Kubo, Lei Song, Neal Gordon Uren, Junjie Zhang

2:00 PM  Step by Step IVUS: From Pre Intervention Through Stent Optimization to Assessment of Complications  
Lecturer: Andrew Sharp

2:15 PM  Step by Step OCT: From Pre Intervention Through Stent Optimization to Assessment of Complications
1. **Is NIRS Guided Stent Implantation Ready for Clinical Use**
   - Lecturer: Ryan D. Madder
   - Time: 2:38 PM

2. **Does Intravascular Imaging IVUS/OCT Improve Patient Outcomes From Data and Experience**
   - Lecturer: Junjie Zhang
   - Time: 2:48 PM

3. **IVUS vs. OCT: What to Use When**
   - Lecturer: Gary S. Mintz
   - Time: 2:38 PM

4. **Does Intravascular Imaging IVUS/OCT Improve Patient Outcomes From Data and Experience**
   - Lecturer: Junjie Zhang
   - Time: 2:48 PM

5. **Roundtable Discussion With Audience QA**
   - Time: 3:00 PM

---

**Session II: Case Presentations From Former CRF Intravascular Imaging Fellows — Part 1**

Moderators: Ning Guo, Gary S. Mintz
Discussants: Mohamed Abdel-Wahab, Bernardo Cortese, Jose M. De la Torre Hernandez, Liang Dong, Fazila-Tun-Nesa Malik, Natalia Pinilla-Echeverri

6. **Stent Implantation in a LMCA Lesion With Quadrification Four Daughter Vessels**
   - Lecturer: Jiancheng Xiu
   - Time: 3:15 PM

7. **A Calcified Nodule Modified by Rotational Atherectomy**
   - Lecturer: Xiao Wang
   - Time: 3:33 PM

8. **3 Vessel Disease With Diffuse Calcification**
   - Lecturer: Jun Pu
   - Time: 3:37 PM

9. **Identifying Entry Point Wire Course During CTO PCI**
   - Lecturer: Junqing Yang
   - Time: 3:44 PM

10. **Roundtable Discussion With Audience QA**
    - Time: 3:48 PM

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**LAA CLOSURE: CURRENT STATUS AND FUTURE DIRECTIONS**

**Structural: Non-Valve**

**THURSDAY, SEPTEMBER 26, 2019**

**Room 155/157**

2:00 PM - 2:50 PM

**Session I**

Moderators: James B. Hermiller Jr, Matthew J. Price
Discussants: Creighton W. Don, Roger J. Laham, Jens Erik Nielsen-Kudsk, Josep Rodés-Cabau, Oussami Wazni, Brian K. Whisenant

11. **Patient Selection for LAA Closure: Risk Prediction Beyond CHA2DS2VASC and HAS BLED**
    - Lecturer: Edip Gurrol
    - Time: 2:00 PM

12. **LAA Closure vs. NOACs: Pros and Cons PRAGUE 17 and Additional Trials**
    - Time: 2:10 PM

---

**TAVR Indications and Complications**

**THURSDAY, SEPTEMBER 26, 2019**

2:00 PM - 6:10 PM

Room 155/157

2:00 PM - 2:50 PM

**Session I: TAVR in Low Surgical Risk Patients**

Moderators: Robert O. Bonow, Michael J. Mack

2:00 PM

**The Low Risk TAVR RCTS: Evidence Based Vignettes**
2:00 pm  Deep Dive: NEW Insights From the PARTNER 3 Trial  
Lecturer: Martin B. Leon

2:08 pm  Deep Dive: NEW Insights From the Evolut Low Risk Trial  
Lecturer: Michael J. Reardon

2:16 pm  Roundtable Discussion with Audience QA

2:20 pm  PointCounterpoint: Provocative Views 1  
2:20 pm  Remaining Data Gaps After the Low Risk TAVR RCTs  
Lecturer: Michael A. Borger

2:28 pm  A Modern Approach to Bioprosthetic Valve Deterioration and Failure: Emerging Data After TAVR  
Lecturer: Davide Capodanno

2:36 pm  Roundtable Discussion with Audience QA

2:40 pm  Controversial Low Risk Case Presentation: A 60 Year Old Executive With Severe Symptomatic Aortic Stenosis Tri Leaflet Anatomy and No Co Morbidities Mechanical vs Bioprosthetic Valve  
SAVR vs TAVR  
Case Presentation  
Case Presenter: Steven J. Yakubov

2:43 pm  Roundtable Discussion with Audience QA  
Case Presenter: Steven J. Yakubov

2:50 pm - 4:00 pm  
Session II: Expanding Clinical Indications for TAVR  
Moderators: Patrick T. O’Gara, Jeffrey J. Popma  
Discussants: Gorav Ailawadi, Yaron Almagor, Isaac George, Kentaro Hayashida, Ran Kornowski

2:50 pm  Making the Case for  
EARLY TAVR for Severe Asymptomatic AS  
Case Presenter: Steven J. Yakubov

3:04 pm  TAVR for Bicuspid Aortic Valve Disease  
Case Presenter: Steven J. Yakubov

3:40 pm  TAVR in Moderate AS With Heart Failure  
Case Presenter: Steven J. Yakubov

3:50 pm  TAVR for Severe AR In the Right Patients  
Case Presenter: Steven J. Yakubov

4:00 pm - 5:20 pm  
Session III: Early- and Late-TAVR Complications — 3 Old Friends and 3 New Concerns  
Moderators: Colin M. Barker, Samir R. Kapadia  
Discussants: Michael Houde, Alexandra J. Lansky, Jonathon A. Leipsic, Axel Linke, Molly Szerlip, Jochen Wohrle

4:00 pm  PointCounterpoint: Provocative Views 2  
4:00 pm  Strokes After TAVR Are Rare and Cerebral Protection Is Unnecessary  
Lecturer: David Hildick-Smith

4:08 pm  Any Neurologic Event After TAVR Is Meaningful and Cerebral Protection Reduces Brain Injury  
Lecturer: Hemal Gada

4:16 pm  Roundtable Discussion with Audience QA  
Lecturer: Hemal Gada

4:20 pm  Conduction Disturbances After TAVR: Current Thinking and Clinical Relevance  
Lecturer: Tamim M. Nazif

4:30 pm  Roundtable Discussion with Audience QA

4:33 pm  Is Paravalvular Regurgitation Still a Worrisome Complication With New Generation TAVR Systems  
Lecturer: Philippe Pibarot

4:43 pm  Roundtable Discussion with Audience QA

4:46 pm  Valve Leaflet Thickening and Thrombosis: Definitions Frequency Management and Clinical Importance  
Lecturer: Lars Søndergaard

4:56 pm  Roundtable Discussion with Audience QA

5:00 pm  The Growing Concern of Coronary Access After TAVR: Procedural Problem Solving and Impact on TAVR Device Choices  
Lecturer: James B. Hermiller Jr

5:08 pm  Roundtable Discussion with Audience QA

5:10 pm  TAVR Bioprosthetic Valve Failure REDO TAVR: Frequency and Management Including TAV in TAV  
Lecturer: Uri Landes

5:18 pm  Roundtable Discussion with Audience QA

5:20 pm - 6:10 pm  
Session IV: TAVR “Real-World Complex Case Scenarios” — Clinical Corner  
Moderators: Vinod H. Thourani  
Discussants: Suzanne V. Arnold, Mayra Guerrero, Jan Kovac, Amisha Patel, David G. Rizik, Steven J. Yakubov

5:20 pm  TAVR in a Small Aortic Annulus: Case Presentation and Management Strategies  
Lecturer: Josep Rodés-Cabau

5:27 pm  Roundtable Discussion with Audience QA

5:30 pm  TAVR With Concomitant Complex Coronary Disease: Case Presentation and Management Strategies Chronic CAD vs ACS Syndromes  
Lecturer: David Hillick-Smith

5:37 pm  Roundtable Discussion with Audience QA

5:40 pm  TAVR in Low Flow Low Gradient AS: Case Presentations Diagnostic Algorithms and Management Strategies  
Lecturer: Howard C. Herrmann

5:47 pm  Roundtable Discussion with Audience QA

5:50 pm  Severe Symptomatic AS and ModerateSevere MR: Case Presentation and Management Strategies  
Lecturer: Anita Asgar

5:57 pm  Roundtable Discussion with Audience QA

6:00 pm  TAVR With High Risk for Coronary Obstruction Low Coronaries and Effaced Sinuses: Case Presentation and Management Strategies How to Protect the Coronaries BASILICA etc.  
Lecturer: John K. Forrest
## THE LEFT MAIN AND BIFURCATION SUMMIT: PART 1

The Left Main and Bifurcation Summit: Part 1

**Coronary: CHIP**

**THURSDAY, SEPTEMBER 26, 2019**
**2:00 PM - 4:00 PM**
**Room 151/153**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
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<tbody>
<tr>
<td>2:00</td>
<td>Session I: Non-LM Bifurcation PCI — Understand the Lesion</td>
</tr>
<tr>
<td></td>
<td>Moderators: Goran Stankovic, Leif Thuesen</td>
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<tr>
<td></td>
<td>Discussants: Andrea Abizaid, Shao-Liang Chen, Javier Escaned, Miroslaw Ferenc, Bill D. Gogas, Hyeon-Cheol Gwon</td>
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<tr>
<td>2:00</td>
<td>When Is a Side Branch Clinically Relevant</td>
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<td>Lecturer: Yves R. Louvard</td>
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<td>2:06</td>
<td>Can We and Should We Use FFRIFRqFR to Guide the Bifurcation Strategy</td>
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<td>Lecturer: Bon-Kwon Koo</td>
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<td>2:14</td>
<td>IVUS OCT Guidance of Non LM Bifurcation Stenting: When and How to Use it in Practice</td>
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<td>Lecturer: Yoshinobu Onuma, Francesco Prati</td>
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<td>2:22</td>
<td>How to Deal With Difficult Non Left Main Bifurcation Anatomies: Side Branch Access Techniques</td>
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<td>Lecturer: Philippe Garot</td>
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<td>2:30</td>
<td>Roundtable Discussion With Audience QA</td>
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<table>
<thead>
<tr>
<th>Time</th>
<th>Session II: Non-LM Bifurcation PCI — Technique Selection</th>
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<tbody>
<tr>
<td></td>
<td>Moderators: Bernard R. Chevalier, Dean J. Kereiakes</td>
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<tr>
<td></td>
<td>Discussants: Salvatore Brugaletta, Niels R. Holm, Ghassan Kassab, Yves R. Louvard, Saimin K. Sharma, Marco Zimarino</td>
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<tr>
<td>2:44</td>
<td>How Do I Approach Non Left Main Bifurcation Branch Ostial Lesions</td>
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<td>Lecturer: Hyeon-Cheol Gwon</td>
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<td>2:51</td>
<td>When and how to Debulk Bifurcation Lesion</td>
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<td>Lecturer: Alaide Chieffo</td>
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<td>2:58</td>
<td>POT re POT other POT or No POT: The Same for All Bifurcations</td>
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<td>Lecturer: Adrian P. Banning</td>
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<td>3:05</td>
<td>A New Treatment Classification From European Bifurcation Club</td>
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<td>Lecturer: Francesco Burzotta</td>
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<td>3:12</td>
<td>Using Dedicated Bifurcation Stents in Clinical Practice</td>
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<td>Lecturer: Carlo Briguori</td>
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<tr>
<td>3:19</td>
<td>Roundtable Discussion With Audience QA</td>
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<tr>
<td>3:34</td>
<td>An Age Old Debate: 2 Stents vs. 1 for True Bifurcation Lesions</td>
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### PHYSIOLOGIC LESION ASSESSMENT AND INTERVENTIONAL PLANNING: PART 1 — CURRENT CONTROVERSIES IN CORONARY PHYSIOLOGY

**Coronary: Core**

**THURSDAY, SEPTEMBER 26, 2019**
**4:00 PM - 6:00 PM**
**Room 152/154**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session I: Coronary Physiology Assessment in Challenging Patient Subsets</th>
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<tbody>
<tr>
<td></td>
<td>Moderators: William F. Fearon, Morton J. Kern</td>
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<tr>
<td></td>
<td>Discussants: Colin Berry, Tom J. Ford, Sukhjinder Singh Nijjer, Bruce Samuels, Rajesh V. Swaminathan, Jennifer A. Tremmel</td>
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<tr>
<td>4:00</td>
<td>Pathophysiology of the Coronary Circulation in STEMI and NSTEMI</td>
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<td>Lecturer: William F. Fearon</td>
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<td>4:07</td>
<td>Case 1: A Patient With STEMI and Multivessel Disease</td>
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<td>Case Presenter: Colin Berry</td>
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<td>4:11</td>
<td>Roundtable Discussion With Audience QA</td>
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<tr>
<td>4:16</td>
<td>Pre TAVR Coronary Physiology in Patients With Severe Aortic Stenosis: Are the Results Valid</td>
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<td>Lecturer: Sukhjinder Singh Nijjer</td>
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<td>4:23</td>
<td>Is There a Role for Coronary Physiology in Patients Referred for CABG</td>
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<td>Lecturer: Emanuele Barbatano</td>
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<td>4:30</td>
<td>Roundtable Discussion With Audience QA</td>
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<tr>
<td>4:35</td>
<td>Utility of Coronary Physiology Assessment in the Asymptomatic Patient</td>
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<td>Lecturer: Stephane Fournier</td>
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<td>4:42</td>
<td>Value of Assessing Microvascular Function: Core Findings From CoreMica and Other Studies</td>
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<td>Lecturer: Tom J. Ford</td>
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<td>4:49</td>
<td>Case 2: How Microcircular Function Testing Changed My Management in a Patient Without Significant CAD</td>
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<td>Case Presenter: Bruce Samuels</td>
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<td>4:54</td>
<td>Roundtable Discussion With Audience QA</td>
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**5:00 PM - 6:00 PM**
**Session II: Coronary Physiology in Challenging Anatomic Subsets**
5:00 PM  Best Diagnostic Modalities to Assess the Left Main Coronary Artery: Physiology Imaging or Both  
   Lecturer: Andy S. Yong  
5:07 PM  Case 3: A Patient With Complex Bifurcation Disease Simplified by Physiology  
   Case Presenter: Bon-Kwon Koo  
5:12 PM  Roundtable Discussion With Audience QA  
5:16 PM  Pressure Flow and Long Term Outcomes: Updates From the IRIS Registry  
   Lecturer: Jung-Min Ahn  
5:23 PM  Roundtable Discussion With Audience QA  
5:30 PM  Assessment of Tandem Lesions and Diffuse Disease: How Physiology Helps in Procedural Planning  
   Lecturer: Andrew Sharp  
5:42 PM  Case 4: How Post PCI Physiology Changed My Management  
   Case Presenter: Barry F. Uretsky  
5:47 PM  The Value of Evaluating Shear Stress in Addition to FFR: A Better Predictor for Clinical Events  
   Lecturer: Habib Samady  
5:54 PM  Roundtable Discussion With Audience QA  

### PULMONARY HYPERTENSION AND ACUTE AND CHRONIC PULMONARY EMBOLI THERAPIES: PART 1

**Pulmonary Hypertension and Acute and Chronic Pulmonary Emboli Therapies: Part 1**  

**Vascular**  

**THURSDAY, SEPTEMBER 26, 2019**  
**4:00 PM - 6:00 PM**  
**Room 156/158**  

**4:00 PM**  
**Session I: Acute Pulmonary Embolism**  
Moderators: Robert A. Lookstein, Ido Weinberg  
Discussants: Vikas Aggarwal, Herbert D. Aronow, Matthew D. Bacchetta, Jay S. Giri, Andrew J. Klein, Peter P. Monteleone  

**4:00 PM**  
Preventing PE in the Cardiac Patient: What Therapies and for Whom  
   Lecturer: Herbert D. Aronow  

**4:10 PM**  
Diagnosing Pulmonary Embolism: A Practical Approach  
   Lecturer: Ido Weinberg  

**4:20 PM**  
Pert: Why and How  
   Lecturer: Robert A. Lookstein  

**4:32 PM**  
Systemic Therapy for Acute PE: Options Effectiveness Safety  
   Lecturer: Jay S. Giri  

**4:42 PM**  
Catheter Directed Therapy for Acute PE I: Indications Options Outcomes  
   Lecturer: Vikas Aggarwal  

**4:52 PM**  
Catheter Directed Therapy for Acute PE II: Indications Options Outcomes  
   Lecturer: Thomas M. Tu  

**5:02 PM**  
Utility and Risks of Vena Cava Filters to Prevent PE  
   Lecturer: Riyaz Bashir  

**5:12 PM**  
Roundtable Discussion With Audience QA  

**5:30 PM**  
Case 1: Interventional Treatment of Acute Pulmonary Emboli  
   Case Presenter: Philip Green  

**5:37 PM**  
Case 2: Interventional Treatment of Acute Pulmonary Emboli  
   Case Presenter: Andrew J. Klein  

**5:45 PM**  
Case 3: Interventional Treatment of Acute Pulmonary Emboli  
   Case Presenter: Gregory Piazza  

**5:52 PM**  
Roundtable Discussion With Audience QA  

### STEMI, CARDIAC ARREST, AND CARDIOGENIC SHOCK: PART 1

**STEMI, Cardiac Arrest, and Cardiogenic Shock: Part 1**  

**Coronary: CHIP**  

**THURSDAY, SEPTEMBER 26, 2019**  
**4:00 PM - 6:00 PM**  
**Room 151/153**  

**4:00 PM**  
**Session I: STEMI Challenges in 2019**  
Moderators: Timothy D. Henry, E. Magnus Ohman  
Discussants: Suzanne de Waatho-Thiele, Kelly C. Epps, Dipti Itchhaporia, Sameer Mehta, Binita Shah, C. Michael Valentine  

**4:00 PM**  
STEMI 2019: Who Are the High Risk Patients  
   Lecturer: Andreas Baumbach  

**4:07 PM**  
A Womans Perspective: Minoca SCAD Takotsubo etc.  
   Lecturer: Jacqueline Saw  

**4:14 PM**  
Get With the Guidelines: Delay 120 min. ED Bypass Registries Public Reporting etc.  
   Lecturer: Jacqueline E. Tamis-Holland  

**4:21 PM**  
No Reflow: How to Prevent It and How to Fix It  
   Lecturer: Mitul Patel  

**4:28 PM**  
Roundtable Discussion With Audience QA  

**4:35 PM**  
Infarct Size Reduction: From the First FDA Approved Therapy SS02 to Novel Approaches  
   Lecturer: Gregg W. Stone  

**4:45 PM**  
LV Unloading to Reduce Infarct Size: Rationale Completed Studies and Ongoing Trials
TCT INNOVATION III. TCT SHARK TANK INNOVATION COMPETITION

8:00 am  TCT Shark Tank Innovation Competition
Lecturer: Juan F. Granada

8:08 am  Jon DeHaan Foundation Award for Interventional Innovation
Lecturer: Robert S. Schwartz

8:13 am  Introduction Rules and Guidelines
Lecturer: Louis Aaron Cannon

8:18 am  TCT Shark Tank Innovation Competition Finalists
8:18 am  Transcatheter Cardiac Leaflet Enhancer
CARLEN for Functional Mitral and Tricuspid
Regurgitation Nyra Medical
Lecturer: Muralidhar Padala

8:28 am  Sharks Moderated QA
Lecturer: Muralidhar Padala

8:38 am  A New Non Radial Force Transcatheter Tricuspid Valve Replacement LuX Medical
Lecturer: Peng Cao

8:48 am  Sharks Moderated QA
Lecturer: Peng Cao

8:58 am  Rapid non invasive diagnostics for aortic stenosis and heart failure Avicena Vivio
Lecturer: Maria Csete

9:08 am  Sharks Moderated QA
Lecturer: Maria Csete

9:18 am  Restoring Damaged Arteries with Regenerative Stents STENTIT
Lecturer: Mari Sol Cabrera

9:28 am  Sharks Moderated QA
Lecturer: Mari Sol Cabrera

9:38 am  Renal Vein Pressure Decompression for Advanced Decompensated Heart Failure Magenta Medical
Lecturer: David D. Israeli

9:48 am  Sharks Moderated QA
Lecturer: David D. Israeli

9:58 am  Endovenous Valve Formation System for Deep Vein Reflux and Severe Chronic Venous Insufficiency Intervene Blue Leaf
Lecturer: Fletcher Wilson

10:08 am  Sharks Moderated QA
Lecturer: Fletcher Wilson

10:18 am  Creating a Clear Path for Your Continous ECG Signals SmartMedic
Lecturer: Adrian Maciejewski

10:28 am  Sharks Moderated QA
Lecturer: Adrian Maciejewski

TRANSCATHETER VALVE THERAPY | THURSDAY, SEPTEMBER 26, 2019

Lecturer: Navin K. Kapur
10:38 AM  Early Feasibility of the Metavention Integrated Radio Frequency Nerve Ablation System to Improve Hyperglycemia and Fatty Liver in Type II Diabetic Subjects  
Lecturer: Felix Mahfoud

10:48 AM  Sharks Moderated QA  
Lecturer: Felix Mahfoud

10:58 AM  Transcatheter Papillary Muscle Repositioning Cardiac Success  
Lecturer: Boaz Manash

11:08 AM  Sharks Moderated QA  
Lecturer: Boaz Manash

11:18 AM  A Novel Stentless RF Based Shunt Solution for Advanced Heart Failure  
Noya Medical  
Lecturer: Chaim S. Lotan

11:28 AM  Sharks Moderated QA  
Lecturer: Chaim S. Lotan

11:38 AM  Brief Break for Final Jury Deliberations Closed Door  
Lecturer: Chaim S. Lotan

11:55 AM  Roundtable Discussion and Announcing Finalists  
Lecturer: Chaim S. Lotan

2:57 PM  Keynote Lecture: Connected Health and Integrated Care: Towards New Models for Chronic Disease Management  
Lecturer: C. Michael Gibson

3:07 PM  Featured Fascinating Lectures  
Lecturer: C. Michael Gibson

3:36 PM  Session XIII: Machine Learning and Disease Risk Prediction Models  
Lecturer: Shiva Kumar

3:43 PM  Applying Machine Learning to a Regional STEMI Dataset: Employing Neural Networks to Unravel New Patterns to Explain Etiopathology of Stroke after Aspiration Thrombectomy  
Lecturer: Keshav R. Nayak

3:50 PM  Machine Learning for Risk Prediction of Future Clinical Events in Patients with Acute Coronary Syndrome Undergoing Percutaneous Coronary Intervention  
Lecturer: Park Jin Sup

3:57 PM  Machine Learning Modelling versus STS-ACC TVT Score to Predict Mortality after Transcatheter Aortic Valve Replacement  
Lecturer: Pavel Overtchouk

4:04 PM  Moderated Panel Discussion  
Lecturer: Pavel Overtchouk

4:12 PM  Session XIV: Wearables Physiologic Monitoring and Data Sharing  
Lecturer: Robert A. Harrington

4:22 PM  Featured Technological Trends  
Lecturer: Robert A. Harrington

TCT INNOVATION IV. GLOBAL PERSPECTIVES IN MEDTECH INNOVATION II AND DIGITAL HEALTH CARE

THURSDAY, SEPTEMBER 26, 2019  
2:00 PM - 5:00 PM  
Innovation & Keynote Theater

2:00 PM - 2:57 PM  
Global Perspectives in MedTech Innovation II

2:00 PM  Session XI: Future Directions and Challenges in the MedTech Field  
Moderators: Robert M. Califf, Maulik Majmudar

Moderators: Robert M. Califf, Maulik Majmudar
Moderators: Robert M. Califf, Maulik Majmudar
Discussants: Milena Adamian, Yuval Binur, Jay S. Giri, Frank Livack

2:00 PM  Featured Lecture: Clinical Validation of Emerging Technologies: In Which Direction is Global Landscape Changing  
Lecturer: Mitchell W. Krucoff

2:08 PM  The Next Big Thing  
Lecturer: Mitchell W. Krucoff

2:57 PM - 5:00 PM  
Digital Health Care and Advanced Data Analytics  
Moderators: C. Michael Gibson
Discussants: Kenneth W. Mahaffey, Campbell Rogers, Nawal Roy, Partha Sardar, Jeroen Tas

2:57 PM  Session XII: Digital Hospital Systems and Health Care Delivery

FDA TOWN HALL MEETING PART 1: GOALS FOR 2019/2020

THURSDAY, SEPTEMBER 26, 2019  
2:00 PM - 5:35 PM  
Room 205-206

2:00 PM - 3:15 PM  
Session I. CDRH/FDA Evolution: Focus on Total Product Life Cycle  
Moderators: Gregg W. Stone, Bram D. Zuckerman
Discussants: Lori M. Ashby, Robert M. Califf, Patrick Conway, Lisa Earnhardt, Aaron V. Kaplan, Mitchell W. Krucoff, William H. Maisel, Ian T. Meredith, Michael A. Mussallem, Sean Salmon, Chuck Simonton

2:00 PM  Keynote Lecture: FDACDRH The Year in Review Focus on CDRHs Total Product Life Cycle Concept
Lecturer: William H. Maisel

2:15 PM  
Keynote Lecture: New Technology Assessment and Reimbursement Synergy  Forward Strides  
Lecturer: Lori M. Ashby

2:30 PM  
2:30 PM Keynote Lecture: A Vision for an Evolving Regulatory and Health Care System  
Lecturer: Robert M. Califf

2:45 PM  
Roundtable Discussion with Audience QA Featuring Provocative Thoughts From  
FDA  
Discussant: Bram D. Zucker

2:45 PM  
Industry  
Discussant: Lisa Earnhardt, Ian T. Meredith, Michael A. Mussallem, Sean Salmon

2:45 PM  
PhysicianDevice Developers  
Discussant: Aaron V. Kaplan

2:45 PM  
Clinician Investigators  
Discussant: Mitchell W. Krucoff, Martin B. Leon

3:15 PM - 4:10 PM  
Session II: Special Programs: Update on Early Feasibility and First-in-Human Studies  
Moderators: Andrew FarbDiscussants: Lori M. Ashby, Lauren S. Baker, George Fazio, Juan F. Granada, Mayra Guerrero, Chip Hance, Aaron V. Kaplan, Martin B. Leon, Michael J. Mack, Neil E. Moat, Chuck Simonton, Jaime Walkowiak, Changfu Wu

3:15 PM  
The US EFS and Breakthrough Devices Programs: An FDA Update  
Lecturer: Andrew Farb

3:25 PM  
Promoting Innovation Through EFS: MDIC Perspectives  
Lecturer: Chip Hance

3:32 PM  
From EFS to Pivotal Trial: Bridging the Gap and Lessons Learned  
Lecturer: A. Pieter Kappetein

3:39 PM  
Industries Perspectives on the US and Non US EFS Landscape  
Lecturer: Neil E. Moat

3:46 PM  
Roundtable Discussion with Audience QA

4:10 PM - 5:35 PM  
Session III. Safety Signal Detection and Response Case Example: Paclitaxel-Coated Devices for Femoropopliteal Disease  

4:10 PM  
New Insights From Our Meta Analysis of Paclitaxel Coated Device Randomized Trials for SFA Disease and the Response it Has Generated  
Lecturer: Konstantinos Katsanos

4:18 PM  
Paclitaxel Coated Devices for SFA Disease: An Independent Patient Level Meta Analysis and Other Emerging Data  
Lecturer: Krishna J. Roche-Singh

4:26 PM  
Is Paclitaxel Related Mortality From SFA Drug Eluting Technologies Biologically Plausible

Lecturer: Elazer R. Edelman

4:34 PM  
Drug Eluting Technologies for SFA Disease: Industriys Perspective and a Pathway Forward  
Lecturer: Ian T. Meredith

4:42 PM  
Informed Consent and Impact on Clinical Practice: A Clinicians Perspective and a Pathway Forward  
Lecturer: Sahil A. Parikh

4:50 PM  
Potential Study Designs to Address the Mortality Safety Signal  
Plan: Responses to the Late Mortality Signal  
Lecturer: Eleni Whatley

4:58 PM  
Emerging Safety Signals and FDAs Medical Device Safety Action Plan: Responses to the Late Mortality Signal  
Lecturer: Laura Mauri

5:06 PM  
Roundtable Discussion with Audience QA

THE STRUCTURAL HEART DISEASE IMAGING SYMPOSIUM: A JOINT SESSION WITH THE AMERICAN SOCIETY OF ECHOCARDIOGRAPHY

The Structural Heart Disease Imaging Symposium: A Joint Session With the American Society of Echocardiography

THURSDAY, SEPTEMBER 26, 2019  
8:00 AM - 11:00 AM  
Room 203

8:00 AM  
Echocardiographic Imaging of the Tricuspid Valve: Tips and Tricks  
Lecturer: Richard Bae

8:10 AM  
Quantification of Tricuspid Regurgitation  
Lecturer: João L. Cavalcante

8:25 AM  
Defining the TR Population: Key Role of Imaging  
Lecturer: Rebecca T. Hahn

8:40 AM  
Tricuspid Valve Device Potpourri  
Lecturer: Francesco Faletra

8:50 AM  
Roundtable Discussion with Audience QA

9:00 AM - 10:00 AM  
Session II: Transcatheter Aortic Valve Replacement  
Moderators: Linda D. Gillam, David RubensonDiscussants: Jae K. Oh, Philippe Pibarat, Cynthia Taub, William A. Zoghbi

9:00 AM  
Deciphering Discordant Measures of Aortic Stenosis  
Lecturer: Jae K. Oh

9:10 AM  
Assessment of Transcatheter Aortic Valve Area  
Lecturer: Jae K. Oh

9:20 AM  
Assessment of Transcatheter Aortic Valve Regurgitation: Guidelines and Beyond
BELT AND ROAD INITIATIVE AT TCT 2019: APPROACH TO HIGH-RISK PCI (EXPERIENCES FROM CHINA)

BELT AND ROAD INITIATIVE AT TCT 2019: Approach to High-risk PCI (Experiences from China)

THURSDAY, SEPTEMBER 26, 2019
8:15 AM - 9:45 AM
Presentation Theater 2

8:15 AM - 8:25 AM
Session I. Keynote Lecture #1: Current Approach for Left Main Bifurcation Stenting
Moderators: Shao-Liang Chen, Gregg W. Stone, Alan C. Yeung
Discussants: Haibo Jia, Chunguang Qiu, Tanveer Rab, Imad Sheliban, Yi-Da Tang, Fei Ye

8:15 AM
Keynote Lecture 1: Current Approach for Left Main Bifurcation Stenting
Lecturer: Shao-Liang Chen

8:25 AM - 9:00 AM
Session II. Case #1: A Staged PCI Case of Complex LAD/D1 Bifurcation Lesion After Sub-optimal Primary PCI for STEMI
Moderators: Shao-Liang Chen, Gregg W. Stone, Alan C. Yeung
Discussants: Haibo Jia, Chunguang Qiu, Tanveer Rab, Imad Sheliban, Yi-Da Tang

8:25 AM
Case Introduction
Case Presenter: Pengcheng He

8:30 AM
How Would I Treat
Lecturer: Jun Pu

8:34 AM
How Would I Treat
Lecturer: Yong He

8:38 AM
How Would I Treat
Lecturer: Qi Zhang

8:46 AM
Roundtable Discussion With Audience QA

8:54 AM
Case Resolution: How Did I Treat This Case
Case Presenter: Pengcheng He

9:02 AM
Final Discussion and Take home Messages

SCAI ELM

THURSDAY, SEPTEMBER 26, 2019
2:00 PM - 6:00 PM
Room 301

2:00 PM - 2:10 PM
Teambuilding in Cardiovascular Medicine
Discussant: Matthew J. Daniels, Dmitriy N. Feldman
Coronary Heart Team
Moderators: Ajay J. Kirtane, Ehtisham Mahmud
Discussants: Mauricio G. Cohen, Timothy D. Henry, Prashant Kaul, Srihari S. Naidu

2:10 PM - 2:15 PM
Presentation of Case Study
Case Presenter: John W. Osborn

2:15 PM - 2:30 PM
Coronary Heart Team Cardiology Perspective
Lecturer: Patrick W. Serruys

2:35 PM - 2:50 PM
Coronary Heart Team Surgery Perspective
Lecturer: Michael J. Mack

2:55 PM - 3:10 PM
Roundtable Discussion With Audience QA

Valve Heart Team
Moderators: George D. Dangas, Matthew J. Daniels
Discussants: Vinayak N. Bapat, Martyn R. Thomas

3:15 PM - 3:30 PM
Presentation of Case Study
Case Presenter: Megan Coylewright

3:35 PM - 3:50 PM
TAVI: The Heart Team IC Perspective
Lecturer: Martyn R. Thomas

3:55 PM - 4:10 PM
TAVI: The Heart Team Surgery Perspective
Lecturer: Vinayak N. Bapat

4:15 PM - 4:30 PM
TAVI: The Heart Team Imaging Perspective

4:35 PM - 4:50 PM
Roundtable Discussion With Audience QA

4:55 PM - 5:10 PM
Endovascular Team
Moderators: Dmitriy N. Feldman
Discussants: Matthew T. Menard, Aman B. Patel, Frank J. Veith, Christopher J. White

4:55 PM - 5:10 PM
Presentation of Case Study
Case Presenter: Stephen W. Waldo

5:15 PM - 5:30 PM
Neurovascular Team IC Perspective
Lecturer: William A. Gray

5:35 PM - 5:50 PM
Neurovascular Team Neurosurgery Perspective
Lecturer: Aman B. Patel

6:05 PM - 6:20 PM
CLI Vascular Team IC Perspective
Lecturer: Christopher J. White

6:25 PM - 6:40 PM
CLI Vascular Team Vascular Surgery Perspective
Lecturer: Frank J. Veith

6:45 PM - 7:00 PM
Roundtable Discussion With Audience QA

4:35 PM - 5:55 PM
Break

7:10 PM - 7:25 PM
Japan Endovascular Treatment (JET) @ TCT
Moderators: Osamu Iida, Masato Nakamura
Discussants: Masahiko Fujihara, Lawrence A. Garcia, Daizo Kawasaki, Tatsuya Nakama, Sahil A. Parikh, Yoshimitsu Saga

2:30 PM - 2:45 PM
Introduction
Lecturer: Masato Nakamura

2:45 PM - 3:00 PM
Intravascular Ultrasound Supported Endovascular Therapy in SFA Disease: 12 Months Results From the IVORY Study
Lecturer: Osamu Iida

3:05 PM - 3:20 PM
Mortality Risk Following Application of Paclitaxel Coated Devices in Femoropopliteal Lesion: Results From the CAROOT Study
Lecturer: Yoshimitsu Saga

3:25 PM - 3:40 PM
Roundtable Discussion With Audience QA

3:45 PM - 3:55 PM
New Crossing Techniques for Complex Femoropopliteal Disease
Lecturer: Makoto Utsunomiya

4:00 PM - 4:15 PM
New Crossing Techniques for Complex Below the Knee Disease
Lecturer: Tatsuya Nakama

4:20 PM - 4:35 PM
Roundtable Discussion With Audience QA

4:40 PM - 4:55 PM
Optimal Vessel Preparation Evaluated by Multimodality Imaging: Results From IGNITE
Lecturer: Masahiko Fujihara

4:55 PM - 5:10 PM
One Year Late Lumen Loss With a Polymer Coated Paclitaxel Eluting Stent and a Polymer Free Paclitaxel Coated Stent for Femoropopliteal Disease: Study Results
Lecturer: Daizo Kawasaki

5:15 PM - 5:30 PM
Roundtable Discussion With Audience QA

OCT GUIDING IN IN-STENT RESTENOSIS (ISR), PRESENTED BY THE NORDIC-BALTIC-BRITISH STUDY GROUP FOR INTERVENTIONAL CARDIOLOGY

OCT Guiding in In-Stent Restenosis (ISR), Presented by the Nordic-Baltic-British Study Group for Interventional Cardiology

THURSDAY, SEPTEMBER 26, 2019
4:00 PM - 5:06 PM
Room 203

JAPAN ENDOVASCULAR TREATMENT (JET) @ TCT
INTERNATIONAL COMPLEX CASE SESSION I:
FEATURED STRUCTURAL HEART DISEASE CASES

International Complex Case Session I: Featured Structural Heart Disease Cases

THURSDAY, SEPTEMBER 26, 2019
8:30 AM - 10:30 AM
Presentation Theater 1

8:30 AM - 10:30 AM
Featured Structural Heart Disease Cases
Moderators: David W. M. Muller, Wojtek Wojakowski
Discussants: Mohamed Karim Abdelghany, Wacin Buddhari, Carlos D. Calderas, Jose Armando Mangione, Maksym Sokolov, Wei-Hsian Yin

8:30 AM
Introduction
Lecturer: David W. M. Muller

8:35 AM
Slovenia Presents: VIV Treatment of Degenerated Bio Bentall With TAVI
Case Presenter: Matjaz Bunc

8:45 AM
Roundtable Discussion With Audience QA

8:50 AM
Argentina Presents: Percutaneous Transcatheter Closure of Prosthetic Mitral Paravalvular Leak

INTERNATIONAL COMPLEX CASE SESSION II:
FEATURED COMPLEX CORONARY CASES

International Complex Case Session II: Featured Complex Coronary Cases

THURSDAY, SEPTEMBER 26, 2019
2:30 PM - 4:00 PM
Presentation Theater 1

2:30 PM - 4:00 PM
Featured Complex Coronary Cases
Moderators: Jose L. Leiva-Pons
Discussants: Khalid S. Al Faraidy, Arturo Jose Fernandez Murga, Alejandro Goldsmit, Jose Alfredo Merino Rajme, Marin Postu, Carlos E. Uribe

2:30 PM
Introduction

2:35 PM
Colombia Presents: Aortic Valve Trauma as a Complication in Young Patient With Spontaneous Coronary Dissection
Case Presenter: Jorge Villegas

2:45 PM
Roundtable Discussion With Audience QA

2:50 PM
Germany Presents: Ostium Occlusion of Right Coronary Artery Complex Retrograde Recanalization With Rotablation

9:00 AM
Roundtable Discussion With Audience QA

9:05 AM
Australia Presents: Third Times the Charm - An Unusual Interaction
Case Presenter: Robert Gooley

9:15 AM
Roundtable Discussion With Audience QA

9:20 AM
Australia Presents: TAVR in a Patient With Anomalous Right Coronary Artery Origin From the Left Aortic Sinus
Case Presenter: Guy J. Friedrich

9:30 AM
Roundtable Discussion With Audience QA

9:35 AM
Hong Kong Presents: TAVR In a Patient With Very Low Ejection Fraction
Case Presenter: Kam-Tim Chan

9:45 AM
Roundtable Discussion With Audience QA

9:50 AM
Italy Presents: Challenging Transcatheter Pulmonary Valve Implantation Achieved With Innovative Veno Venous Wire Loop Snare Technique
Case Presenter: Giuseppe Tarantini

10:00 AM
Roundtable Discussion With Audience QA

10:05 AM
Republic of Korea Presents: Thoracic Aorta Dissection by Sheath Catheter of Sapien 3 during TAVI Stabilized By Conservative Measure
Case Presenter: Hyo-Soo Kim

10:15 AM
Roundtable Discussion With Audience QA

10:20 AM
Final Thoughts
Lecturer: Wojtek Wojakowski
INTERNATIONAL COMPLEX CASE SESSION III: FEATURED STRUCTURAL HEART DISEASE CASES

THURSDAY, SEPTEMBER 26, 2019
4:00 PM - 5:30 PM
Presentation Theater 1

4:00 PM - 5:30 PM
Featured Structural Heart Disease Cases
Moderators: Oscar A. Mendiz, Armando Perez de Prado
Discussants: Ricardo A. Costa, Kurt Huber, Martin Hudec, Marco A. Perin, Eun-Seok Shin, Ramiro Trillo

4:00 PM
Introduction
Lecturer: Armando Perez de Prado

4:05 PM
Indonesia Presents: Trans Catheter Mitral Valve In Ring Using MyVal for Treatment Of Severe Mitral Regurgitation After Failed Surgical Ring Annuloplasty
Case Presenter: Teguh Santoso

4:15 PM
Roundtable Discussion With Audience QA
Case Presenter: Jose L. Leiva-Pons

4:20 PM
Argentina Presents: Is TAVR an Option for Patients With Bicuspid Aortic Stenosis and Aortic Root Dilatation
Case Presenter: Anibal A. Damonte

4:30 PM
Roundtable Discussion With Audience QA
Case Presenter: Paul J. Ong

4:35 PM
Portugal Presents: Percutaneous Treatment of Aortic Dissection and Rupture During a Transcatheter Aortic Valve Implantation Procedure
Case Presenter: Pedro De Araujo Goncalves

4:45 PM
Roundtable Discussion With Audience QA
Case Presenter: Julia Seeger

4:50 PM
Serbia Presents: A Case of a Patient With Multiple Comorbidities in Setting Limited TAVR Resources
Case Presenter: Jochen Wohrle

5:00 PM
Roundtable Discussion With Audience QA
Case Presenter: Matjaz Bunc

5:05 PM
Slovenia Presents: Successful Rescue IV TAVR Procedure in Cardiogenic Shock Patient With Intra Aortic Balloon Pump And Veno Arterial ECMO Support
Case Presenter: Milan A. Nedeljkovic

5:15 PM
Roundtable Discussion With Audience QA
Case Presenter: Oscar A. Mendiz

5:20 PM
Final Thoughts
Lecturer: Jose L. Leiva-Pons

CHALLENGING CASES 1

THURSDAY, SEPTEMBER 26, 2019
9:15 AM - 10:45 AM
Hall D, Exhibition Level, Moscone South

9:15 AM
Coronary I
Discussant: Khalid Ibrahim Amber, Anthony A. Bavy, Roberto Botelho, Fabio S. Brito Jr., Christopher E. Buller, Warren J. Cantor, Ronald Caputo, Christos Christou, Jorge Cortes Lawrenz, Gregory J. Dehmer, Gerard Finet, Ole Fröbert, Darren Walters, Sung-Han Yoon, Jennifer Yu

9:15 AM
TCT 1000: 73yo gentleman with NSTEMI. PCI to LMCA after MDT discussion. Admitted for staged PCI to Stubborn calcified ostial RCA. Multiple NC balloon scoreflex and HSRA. IVUS revealed 360 degree calcific napkin ring not yielding. Eventually shockwave intravascular lithotripsy 4.0mm balloon with 80 pulses.
Presenting Author: Ahmed Mahrous

9:15 AM
TCT 1001: Off label Use of Peripheral Lithotripsy Device for an Undilatable Coronary Stent due to Severe Coronary Calcification
Presenting Author: Christine Chung

9:15 AM
TCT 1002: Successful percutaneous coronary intervention for severe calcified and tortuous functional chronic total occlusion lesion using a novel 0.03 inch semi compliant balloon and rotational atherectomy
Presenting Author: Daisuke Terashita

9:15 AM
TCT 1003: Young man with hyperparathyroidism and subtotal heavily calcific LAD D bifurcation lesion done by rotablation
Presenting Author: Mohammad Shafiq

9:15 AM
TCT 1004: Rotational atherectomy in a Patient with Acute Right Ventricular Myocardial Infarction and Cardiogenic Shock
Presenting Author: Monika Durak

9:15 AM
TCT 1005: Calcified distal left main and intravascular lithotripsy
Presenting Author: Richard Chang

9:15 AM
TCT 1006: A successful rotational atherectomy for severely tortuous and calcified lesion with double courses in the left circumflex artery using a 5F child catheter.
TCT 1007: USE OF NOVEL HIGH PRESSURE NC BALLOON FOR CALCIFIC LESIONS
Presenting Author: Sachin T. Hundekari

TCT 1008: Brachytherapy And Laser Atherectomy Of Recalcitrant Three Layer In Stent Restenosis In An Anomalous Right Coronary Artery Via Ulnar Access
Presenting Author: Sameer Nagpal

TCT 1009: Stuck between a rock and a hard place
Presenting Author: SAYAH NEILA

TCT 1010: Changing paradigm for treatment of heavily calcified coronary artery disease: complementary role of rotational atherectomy and intra coronary lithotripsy Shock Wave angioplasty
Presenting Author: Shana Tehrani

TCT 1011: Stent abalation as a bail out for severe underexpansion of stent due to circumferential calcium
Presenting Author: Stalin Roy

TCT 1012: Successful percutaneous extraction of an entrapped rotablation burr during CTO recanalization
Presenting Author: Tobias Rheude

TCT 1013: 84 YEAR OLD Unstable angina with Calcified vessels and LMCA with Double vessel disease : ROTA with POBA of RCA with LMCA and LAD planned for next sitting
Presenting Author: Vivek Gupta

TCT 1014: A Successful CTO Case due to double atherectomy devices in severely calcified lesions.
Presenting Author: Yamazaki Seiji

TCT 1015: Challenging LM CX Wiring and Rotablation
Presenting Author: Zisis Dimitriadis

TCT 1016: Navigating the Labyrinth: STEMI in a Patient with Complex Congenital Heart Disease.
Presenting Author: Adam Taleb

TCT 1017: Acute instant thrombosis in a patient who had iron deficiency anemia due to intestinal arteriovenous malformation. Essential thrombocytosis and acute coronary syndrome treated with bare metal stent and balloon angioplasty
Presenting Author: Addis Asfaw

TCT 1018: A Tale Of Two Cases Of In Stent Thrombosis OCT guided management
Presenting Author: adham alawofy

TCT 1019: THROMBOASPIRATION WITHOUT STENTING IN PATIENT WITH ANTERIOR STEMI
Presenting Author: Avtandil Babunashvili

TCT 1020: Coil embolisation of fistula of left internal mammary artery to pulmonary vasculature in unstable angina. 1 year follow up.
Presenting Author: Bartlomiej Guzik

TCT 1021: Treatment of underexpanded coronary stent 3 years after implantation

TCT 1022: A case of OCT guided bifurcation PCI of dissected coronaries using Double Kissing DK Crush technique in patient with acute coronary syndrome
Presenting Author: Bhavanadhar Penta

TCT 1023: Left main intervention in STEMI A bridge too far
Presenting Author: CHAKRABHAVI KESHAVAMURTHY

TCT 1024: STEMI: Where the Thrombus Hides
Presenting Author: Debapria Das

TCT 1025: Rare case of large and medium size vessel vasculitis with coronary manifestation
Presenting Author: Fabian Plank

TCT 1026: Diffuse coronary spasm during diagnostic coronaryography: are case of Kounis syndrome.
Presenting Author: Francisco Javier Lacunza

Coronary II
Discusant: Eulogio J. Garcia, Kirk N. Garratt, Alejandro Goldsmith, James A. Goldstein, Tarek Helmy, Borja Ibanez, Yuji Ikari, Ciro Indolfi, Jens R. Jensen, Kee-Sik Kim, Nicholas Nodar Kipshidze, Nick Lakitis, Randall J. Lee

TCT 1030: Burrs balloons and happy ends
Presenting Author: Kanichi Otowa

TCT 1031: Challenging Revascularisation of A Subtotal Stenosison The Left Circumflex Artery Using Drug Eluting Balloons
Presenting Author: CHAN HO THUM

TCT 1032: PTCA of LIMA to LAD Graft Using Drug Eluting Balloon
Presenting Author: Milan Chag

TCT 1033: SELECTION SLR 014 DEB: A novel sirolimus eluting balloon with sustained release offering a viable option for treating small to very small sidebranches. A successful case treating the 1st Diagonal.
Presenting Author: MS Hiremath

TCT 1034: SELECTION SLR 014 DEB: Providing a solution for small to very small vessel disease. A novel Sirolimus Drug Eluting Balloon with sustained limus release for treating a highly occluded RCA
Presenting Author: Praveen Chandra

TCT 1035: Managing Bifurcation ISR
Presenting Author: Rahul Chhabria

TCT 1036: Far far away
Presenting Author: Chun-Wei Lee

TCT 1037: CABG vs PCI in Left Main Associated Multivessel Disease: A Heart Team Discussion
Presenting Author: Bartolini Davide
9:15 AM - 10:45 AM
**Endovascular**
Discussant: Teresa L. Carman, Alejandro Cherro, Daniel G. Clair, Steve H.

9:15 AM
**TCT 1038:** Retrograde Recanalization of Ostial Right Coronary Artery Chronic Total Occlusion via Occluded Vein Graft
Presenting Author: Yuxiang Dai

9:15 AM
**TCT 1039:** Renal artery stenting. To whom it can concern
Presenting Author: Inna Khasyanova

9:15 AM
**TCT 1040:** Varying results of intervention in transplant renal artery stenosis
Presenting Author: KRISHNAKISHORE GOYAL

9:15 AM - 10:45 AM
**Structural**
Discussant: Amr E. Abbas, Khalid Ibrahim Amber, Y. S. Chandrashekhkar, Marek Grygier, Vivek Gupta, Simon Cheung-chi Lam, S. Chris Malaisrie, Vincent J.
Pompili, Frank E. Silvestry, Alfredo Trento, Zoltan G. Turi

9:15 AM
**TCT 1041:** Blood sparing removal technique of extracorporeal membrane oxygenation ECMO circuit in a Jehovahs Witness patient unable to receive blood transfusions
Presenting Author: Sang Min Park

9:15 AM
**TCT 1042:** Single Leaflet Device Attachment Complicating Percutaneous Edge to Edge Repair of the Tricuspid Valve using the MitraClip
Presenting Author: So Chak Yu

9:15 AM
**TCT 1043:** Percutaneous Use of the AngioVac System in Endocarditis Patients Who Are Poor Surgical Candidates
Presenting Author: Rudin Gjeka

9:15 AM
**TCT 1044:** To do or not to do
Presenting Author: Puneet Sharma

9:15 AM
**TCT 1045:** Transcatheter implantation of the Tricento valve for severe tricuspid regurgitation Advanced intraprocedural imaging in a challenging structural case
Presenting Author: Paul Werner

9:15 AM
**TCT 1046:** Tricento transcatheter heart valve for severe tricuspid regurgitation.
Presenting Author: Matteo Montorfano

9:15 AM
**TCT 1047:** Percutaneous transjugal tricuspid valve in valve implantation for degenerated surgical bioprosthetic valve
Presenting Author: Marco Ancona

9:15 AM
**TCT 1048:** The Use of Aspiration Based Tricuspid Valve Endocarditis Debridement: A Case Highlighting Imaging Based Modifications in a High Risk Clinical Scenario
Presenting Author: Manesh Parikshak

9:15 AM
**TCT 1049:** Valve in Ring Transcatheter Heart Valve Implantation for Severe Tricuspid Regurgitation.
Presenting Author: Leigh Cummins

9:15 AM
**TCT 1050:** One Last Effort Transcatheter Debulking of a Bioprosthetic Tricuspid Valve Endocarditis
Presenting Author: Amir Eslami

9:15 AM
**TCT 1051:** Left atrial appendage closure in a patient with cor triatriatum
Presenting Author: Linle Hou

9:15 AM
**TCT 1052:** Minimally invasive transesophageal echocardiography for left atrial appendage occlusion with a last generation micro probe.
Presenting Author: Gustavo Jimenez

9:15 AM
**TCT 1053:** CHOICE OF SUITABLE NET BENEFIT IN A PATIENT WITH ISCHEMIC AND BLEEDING CONCERNS: A PERCUTANEOUS APPROACH
Presenting Author: Cristiano Guedes Bezerra

9:15 AM - 10:45 AM
**Structural II**
Discussant: Carla Agatiello, Martine Gilard, Matthias Götberg, Pranav Loyalka, Antonio Mangieri, Michael J. Mullen, Vivian G. Ng, Brad Oldemeyer, Goran K.
Olivecrona, Ali Ota, Jorge Palazuelos, Mehul Patel

9:15 AM
**TCT 1054:** Catch of the day A report of joined forces for catching an embolized left atrial appendage device
Presenting Author: Christian Ukena

9:15 AM
**TCT 1055:** Percutaneous left atrial appendage occlusion in the presence of thrombus
Presenting Author: Apostolos Tzikas

9:15 AM
**TCT 1056:** Valve in Valve with Allegro Device and Left Main Stent: To Deliver or Not to Deliver.
Presenting Author: Ariana González

9:15 AM
**TCT 1057:** The first reported case of an Evolut Pro valve useto rescue an embolized Sapien3 valve in aortic arch
Presenting Author: Ashequl Islam

9:15 AM
**TCT 1058:** Aortic valve in valve a challenging case
Presenting Author: Babu Ezhumalai

9:15 AM
**TCT 1059:** Femoral Gore Tex Graft is Not a Contraindication to Large Bore Access: A SuccessfulTranscatheter Aortic Valve Replacement via a Aorto biphemoralBysspass Graft.
Presenting Author: Bradley Deere

9:15 AM
**TCT 1060:** Snuffbox approach for aortic stenosis
Presenting Author: Carla Tumscitz

9:15 AM
**TCT 1061:** 87 years old female planned for valve in valve TAVI procedure
Presenting Author: Christian Roullev

9:15 AM
**TCT 1062:** The Importance of Pre Transcatheter Aortic Valve Implantation Coronary Revascularization: A Case of ST Elevations Due to Obstruction of the Left Internal Mammary Artery During Axillary Transcatheter Aortic Valve Implantation
Presenting Author: Clive Goulbourne

9:15 AM
**TCT 1063:** Mechanical Circulatory Support for Acute Severe Prosthetic Aortic Regurgitation: A Short Term Bridge to TAVR
Presenting Author: Craig Tucker

9:15 AM
**TCT 1064:** Successful Conservative Management of Left Ventricular Perforation During Transcatheter Aortic Valve Replacement
Presenting Author: Daniele Di Stefano

9:15 AM
**TCT 1065:** BASILICA for a failed transcatheter balloon expandable valve
Presenting Author: Danny Dvir

9:15 AM
**TCT 1066:** Cardiovascular correlation with the TRIUMPH trial
Presenting Author: Timm Buvat
CHALLENGING CASES 2

Thursday, September 26, 2019
2:00 PM - 3:30 PM
Hall D, Exhibition Level, Moscone South

2:00 PM - 3:30 PM
Coronary IV

TCT 1068: SSOS2 Therapy STEMI Case Studies
Presenting Author: amir lotfi

TCT 1069: a case of spontaneous dissection of LAD leading to acute anterior wall STEMI and post thrombolytic therapy management of the dissection by stenting. Bibhash R Nath MBBS MD FCSI India AMRI Salt Lake Hospital Kolkata India
Presenting Author: Bibhash R Nath

TCT 1070: Which way is the right one
Presenting Author: David Baghdasaryan

TCT 1071: Post MI Ventricular Septal Rupture DEVICE CLOSURE
Presenting Author: Ramakrishna Chengala Damodara

TCT 1072: Inferior wall STEMI in a patient affected by anomalous origin of RCA from LMCA and subsequent coursing between Aorta and Pulmonary Artery Trunk: steep angles and deep dives.
Presenting Author: Filippo Zilio

TCT 1073: Cardiogenic shock after primary PCI
Presenting Author: GOUTAM DATTA

TCT 1074: Left main coronary artery thrombosis with acute global myocardial ischemia: a challenge in patient management
Presenting Author: Guenter Kappacher

TCT 1075: Pre and Post Stenting Manual Aspiration for Heavy Thrombus Loaded Vessel in Primary PCI via Trans Radial Artery Approach with Sheathless 7Fr Normal Guiding Catheter System: A case report
Presenting Author: Hung Ngo

TCT 1076: Salvage of Simultaneous Acute Coronary Closure and Access Bleeding Using Veno Arterial Extracorporeal Membrane Oxygenationand Chronic Total Occlusion Percutaneous Coronary Intervention Techniques in a Patient With ST Segment Elevation Myocardial Infarction
Presenting Author: Jiosif Xenogiannis

TCT 1077: Successful Coronary Intervention for An Acute Myocardial Infarction as a Result of Spontaneous Left Main Coronary Artery Dissection
Presenting Author: Ji Su Mok

TCT 1078: Left Main V Stenting during Primary PTCA
Presenting Author: JINSHI THOMAS

TCT 1079: Gadolinium based coronary angiography in a patient with prior known anaphylaxis to iodine based dye.
Presenting Author: Rahul Vasudev

TCT 1080: When aspirin may be a bridge in patients undergoing non cardiac surgery.
Presenting Author: Roberta Rossini

TCT 1081: Looking into the Future: Optical Coherence Tomography for the Assessment of Cardiac Allograft Vasculopathy
Presenting Author: Amit Alam

TCT 1082: Epicardial coronary spasm due to endothelial dysfunction after spontaneous coronary artery dissection
Presenting Author: Valérie E. Stegehuis

TCT 1083: How to Perform Ostial Coronary Stenting Without Contrast Administration in a Patient With Severe Renal Failure
Presenting Author: Jerzy Sacha

TCT 1084: Successful use of Bi Pella mechanical circulatory support and IABP in a patient with STEMI biventricular failure and cardiogenic shock.
Presenting Author: Abdisamad Ibrahim

TCT 1085: High Risk PCI with Mechanical Circulatory Support from Alternate Access Site for Cardiogenic Shock
Presenting Author: Abhishek C. Sawant

TCT 1086: Demonstration of Loss of Arterial Pulsatility in Cardiogenic Shock in Atrial Flutter with Rapid Ventricular Response
Presenting Author: ahmed souka

TCT 1087: ECMO bridge between vascular disaster and rescue
Presenting Author: Andrey Sidorenko

TCT 1088: Emergent Placement of a Transcaval Impella CP in patient with Cardiac Arrest following an Anterior STEMI
Presenting Author: Charles Cui

TCT 1089: A case of spontaneous coronary artery rupture treated with coil embolization
Presenting Author: Fujimoto Daichi

TCT 1090: Unvascularized inferior MI what lies in the aorta
Presenting Author: Eben Eno

TCT 1091: Bi ventricular support with oxygenator as alternative to VA ECMO in cases refractory cardiopulmonary failure
Presenting Author: Fujimoto Daichi
<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Presenting Author</th>
</tr>
</thead>
<tbody>
<tr>
<td>2:00 PM</td>
<td>TCT 1092: Primary PCI through Puncture of VAECMO circuit followed by contralateral iliac stenting for IABP for LV venting</td>
<td>Presenting Author: Ivan Wong</td>
</tr>
<tr>
<td>2:00 PM</td>
<td>TCT 1093: Double trouble: a dramatic case with a fortunate ending</td>
<td>Presenting Author: Joel Monteiro</td>
</tr>
<tr>
<td>2:00 PM</td>
<td>TCT 1094: Peripartum Cardiomyopathy: An Ominous New Beginning</td>
<td>Presenting Author: Karim Abdur Rehman</td>
</tr>
<tr>
<td>2:00 PM</td>
<td>TCT 1095: Successful Treatment of the Left Main Coronary Artery with Impella CP Cirulatory Mechanical Support and Rotational Atherectomy: When Optical Coherence Tomography Changes the Strategy</td>
<td>Presenting Author: Luis Augusto Palma Dallan</td>
</tr>
<tr>
<td>2:00 PM</td>
<td>TCT 1096: Percutaneous Transcatheter Closure of a Large SVG Aneurysm with Amplatzer Vascular Plug</td>
<td>Presenting Author: Cihan Cevik</td>
</tr>
<tr>
<td>2:00 PM</td>
<td>TCT 1097: Unexplained Vascular Anomaly Arising from a Left Internal Mammary Artery Graft</td>
<td>Presenting Author: Joel Lardizabal</td>
</tr>
<tr>
<td>2:00 PM - 3:30 PM</td>
<td>Coronary VI</td>
<td>Discussant: Shams Munwar, Gregory W. Serrao, Dmitry P. Stolyarov, Nadia R. Sutton, Ernesto M. Torresani, Freek Verheugt, George J. Vlachojannis, Stephen W. Waldo, Jian'an Wang, Tracy Y. Wang, Zhao Wang, Mark W.I. Webster, Hadley Wilson, Junqing Yang, Wei-Hsian Yin, Alexandre C. Zago</td>
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<td>2:00 PM</td>
<td>TCT 1098: Two culprit vessels a case of primary PCI in STEMI</td>
<td>Presenting Author: LI ZHOU</td>
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<tr>
<td>2:00 PM</td>
<td>TCT 1099: Chronic Total Occlusion in Transplanted Heart is Not a Catastrophe.</td>
<td>Presenting Author: Nikolai Strygo</td>
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<tr>
<td>2:00 PM</td>
<td>TCT 1100: Ultrasound guided vascular access</td>
<td>Presenting Author: Ahmed Amro</td>
</tr>
<tr>
<td>2:00 PM</td>
<td>TCT 1101: Use of VCD for Faster and Safer Ambulation: A Case</td>
<td>Presenting Author: Jaspal Singh Arneja</td>
</tr>
<tr>
<td>2:00 PM</td>
<td>TCT 1102: Fill two needs with one deed Percutaneous coronary intervention through the Impella system sheath. A new strategy to limit number of access sites in high risk patients.</td>
<td>Presenting Author: TAHA AHMED</td>
</tr>
<tr>
<td>2:00 PM</td>
<td>TCT 1104: Successful intravascular ultrasonogram IVUS guided percutaneous coronary intervention PCI for intramural hematoma in left main stem followed by stenting in proximal and mid left anterior descending artery LAD in patient with multivessel disease</td>
<td>Presenting Author: Seung Uk Lee</td>
</tr>
<tr>
<td>2:00 PM</td>
<td>TCT 1105: Radial Access and CHIP Are They Compatible</td>
<td>Presenting Author: Shahela Nasrin</td>
</tr>
<tr>
<td>2:00 PM</td>
<td>TCT 1106: Extracorporeal Membrane Oxygenation Assisted Left Main Percutaneous Coronary Intervention in a High risk patient</td>
<td>Presenting Author: Shahrukh Hashmani</td>
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<tr>
<td>2:00 PM</td>
<td>TCT 1107: Intervention of Hemodynamically significant stenosis of a diffusely diseased coronary artery not amenable to bypass surgery</td>
<td>Presenting Author: Sharoee Peerbhai</td>
</tr>
<tr>
<td>2:00 PM</td>
<td>TCT 1108: IVUS and Calcification Guided PCI With Minimal Contrast For LMT and LAD Lesions</td>
<td>Presenting Author: Shinichiro Yamada</td>
</tr>
<tr>
<td>2:00 PM</td>
<td>TCT 1109: A case of long RCA CTO lesion with double 360 loops</td>
<td>Presenting Author: Shoko Doi</td>
</tr>
<tr>
<td>2:00 PM</td>
<td>TCT 1110: Complete revascularization with three PCI sessions could bail the patient out of critical situation The case report</td>
<td>Presenting Author: Shota Naniwa</td>
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<td>2:00 PM</td>
<td>TCT 1111: Mission possible: a case of anomalous RCA CT0</td>
<td>Presenting Author: SHUNMIN ZHU</td>
</tr>
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<td>2:00 PM</td>
<td>TCT 1112: Combined technique of rotational atherectomy and intravascular lithotripsy for treatment of a very calcified coronary lesion.</td>
<td>Presenting Author: Simone Muraglia</td>
</tr>
<tr>
<td>2:00 PM</td>
<td>TCT 1113: LADD1 bifurcation by DK Crush Technique in acute MI setting</td>
<td>Presenting Author: SM MOSTAFA ZAMAN</td>
</tr>
<tr>
<td>2:00 PM</td>
<td>TCT 1103: Iliopsoas muscle pseudoaneurysm following Impella supported left main PCI in patient with cardiogenic shock</td>
<td>Presenting Author: Zoran Lasic</td>
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<td>2:00 PM</td>
<td>TCT 1166: When all hope vanishes an archaic procedure revisited</td>
<td>Presenting Author: Abraham Paul</td>
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<td>2:00 PM</td>
<td>TCT 1167: 3D fusion guided endovascular repair of iatrogenic common iliac artery aneurysm</td>
<td>Presenting Author: Anton Khitchuk</td>
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<tr>
<td>2:00 PM</td>
<td>TCT 1168: TRANSCATHETER DEVICE CLOSURE OF LARGE SINUS OF VALSALVA ANEURYSM WITH STORMY POSTOPERATIVE PERIOD.</td>
<td>Presenting Author: ATUL PATIL</td>
</tr>
<tr>
<td>2:00 PM</td>
<td>TCT 1169: Percutaneous Revasculization of occluded abdominal aorta and bilateral iliac disease.</td>
<td>Presenting Author: Christos Christou</td>
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<tr>
<td>2:00 PM</td>
<td>TCT 1170: VANISHING GRADIENTS AN UNUSUAL CASE OF TEVAR IN A YOUNG MALE WITH COARCTATION OF AORTA WITH THORACIC SACCULAR ANEURYSM WITH HFREF.</td>
<td>Presenting Author: DHEERAJ GANDOTRA</td>
</tr>
<tr>
<td>2:00 PM</td>
<td>TCT 1171: TAVI and double TEVAR for aortic aneurism and type A aortic dissection: case management and 18 month clinical and imaging follow up</td>
<td>Presenting Author: Gabriele Pesarini</td>
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<tr>
<td>2:00 PM</td>
<td>TCT 1172: Traumatic aortic pseudoaneurysm intervention with an endovascular graft Should we or should we not</td>
<td>Presenting Author: HASSAN ALKHAWAM</td>
</tr>
</tbody>
</table>
TCT 1173: Repair Of Juxtrarenal Type I Endoleak Post EVAR With Extension Of Abdominal Aortic Stent Graft And Placement Of Bilateral Renal Chimney Grafts.
Presenting Author: Harinder K. Bali

TCT 1174: Percutaneous Exclusion of A Giant Ascending Aortic Pseudoaneurysm
Presenting Author: Harsh Agrawal

TCT 1175: Endovascular repair of tandem saccular abdominal aortic aneurysms with fenestrated endografts amp treatment of complications at follow up.
Presenting Author: Harsha Perla

Presenting Author: Hector Malvez

TCT 1177: Successful EVAR for patients with anatomically unsuitable abdominal aortic aneurysm
Presenting Author: Hun-Tae Kim

TCT 1178: Total Endovascular Repairof a Rare Caseof Type II Thoracoabdominal Aneurysm dueToTakayasus Arteritis
Presenting Author: JENA ANUPAM

TCT 1114: Primary PCI with a secondary shock...always expect the unexpected.
Presenting Author: SOUMEN CHAKRABORTY

TCT 1115: Between a rock and a hard place
Presenting Author: Sreenivasa Rao Kondapally Seshasai

TCT 1116: In stent restenosis due to underexpandstent successfully treated with Intravascular Lithotripsy Shock wave and Drug coated balloon: OCT evaluation
Presenting Author: Stefano Galli

TCT 1117: DEFORMED STENT FOLLOWUP
Presenting Author: Subburaja T

TCT 1118: Post IVL complication in heavily Cacified plaque
Presenting Author: Subramanya Upadhaya

TCT 1119: A Stubborn Un dilatable CTO
Presenting Author: Suleman Muhammad

TCT 1120: LMCA TO LAD Inferior wall MI Mild LV Disfunction HTN Recurrent Angina with ECG changes Severe PVD with BL Femoral Right Brachial and aortic Obstruction History of Cramiopaty for SDH 15yrs ago AKlacute Kidney Injury CAG:Calcified coronaries LMCA Disease with Severe TVD PCI done with LT Radial Access
Presenting Author: Surya Prakash Gulla

TCT 1121: A Troublesome Case of Recurrent In stent Restenosis of Calciﬁed Right Coronary Artery: Treatment by Rotablation and Bioabsorbable Vascular Scaffold

TCT 1122: P.CI followed by Bifurcation Lesion Treated with DK Crush
Presenting Author: Tawfik Shahriar Huq

TCT 1123: Late presenting MI with a twist
Presenting Author: Tori Leong

TCT 1124: WHICH IS MAIN BRANCH IN LEFT MAIN BIFURCATION STENTING
Presenting Author: VASUDEVU CHETTY PAKALA

TCT 1125: Successful PCI for Intra Stent Chronic Total Occlusion Assisted by IVUS guided Active Antegrade True Lumen Seeking Technique
Presenting Author: Yi Xu

TCT 1126: A Case of Both Left and Right Coronary Ostial Occlusions with Coronary Aorta Bypass Graft Failure
Presenting Author: Yoshinobu Murasato

TCT 1127: LAD CTO PCI: Staged Treatment
Presenting Author: YOU JIEYUN

TCT 1128: Extremely unusual complication: Aortic perforation in a young CTO patient
Presenting Author: Berglind Libungan

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TCT 1121: A Troublesome Case of Recurrent In stent Restenosis of Calciﬁed Right Coronary Artery: Treatment by Rotablation and Bioabsorbable Vascular Scaffold
Presenting Author: Dmitriy Ognerubov

TCT 1138: Total Bilateral Coronary Artery Occlusion: Impella to the Rescue
Presenting Author: Enrique Campos

TCT 1139: A Simple Case That Became a Nightmare: Iatrogenic Left Main Dissection With Left Main Occlusion and Retrograde Dissection to the Sinus of Valsalva and Ascending Aorta During a Simple Percutaneous Coronary Intervention
Presenting Author: Fabio Augusto Pinton

TCT 1140: Nightmare Never Comes Alone
Presenting Author: Farhana Ahmed

TCT 1141: A Case of Stent Deployment into an Iatrogenic Dissection
Presenting Author: Fiorella Llanas-Cheo

TCT 1142: Type III Left Anterior Descending artery perforation and magical absence of a cardiac tamponade.
Presenting Author: Firdavs B. Shukurov

TCT 1143: A midsummer night... mare
Presenting Author: Francesco Cassano

TCT 1144: Involuntary Graftoplasty during calcific LAD PCI resulting in Intramural Hematoma of trifurcated Left Main
Presenting Author: Francesco Lavarra

TCT 1145: BAIL OUT UNEXPANDED STENT IMPLANTATION IN ACUTE LEFT MAIN DISSECTION TREATED WITH INTRA CORONARY LITHOTRIPSY: A CASE REPORT
Presenting Author: Gabriele Tumminello

TCT 1146: A novel approach for percutaneous retrieval of entrapped broken balloon catheter
Presenting Author: Geili Abdalla

TCT 1147: Case report Complication
Presenting Author: Georgios Triantis

TCT 1148: Coronary Atherectomy Perforation Loss of Pulsatile Arterial Flow and Successful Percutaneous Treatment: When Impella Support Prevents Catastrophe
Presenting Author: Graham Peigh

TCT 1149: Successful retrieval of a migrated coronary stent floating in the ascending aorta
Presenting Author: Hyunsu Kim

TCT 1150: Stent dislodge during right coronary artery intervention
Presenting Author: I Made Junior Dina Gonzales

TCT 1151: Management of Mycotic aneurysm of LAD a very rare post PCI complication
Presenting Author: Imran Itikhar

TCT 1152: Intracranial Bleed Rare and Forgotten Complication of PCI
Presenting Author: Imran Tarrar

TCT 1153: Don’t Discount The Side Branch Right Ventricular Branch Amp Side Branch Oclusions Following Percutaneous Coronary Intervention Complicated by Isolated Right Ventricular Infarct Leading to Right Ventricular Failure amp Cardiogenic Shock that was Rescued with Temporary RVAD Support
Presenting Author: Jean-Claude Laborde, Antoine Lafont, Jonathon A. Leipsic, Reginald I. Low, Doff B. McElhinney, Issam D. Moussa, Jose Luis Navia, Christoph A. Nienaber, Mark Osten, Jai-Wun Park, Ruth M. Starzyk, Daniel H. Steinberg, S. Chiu Wong

TCT 1154: SVG aneurysm
Presenting Author: Isaac Tea

TCT 1155: A Case of Catheter Kinking: Management of a Complication of Radial Coronary Angiography
Presenting Author: Jesse Kane

TCT 1156: ACUTE AND CHRONIC RADIATION INJURY FOLLOWING COMPLEX CTO PCI
Presenting Author: Jihoon Ahn

TCT 1157: A Series of FFR Complications
Presenting Author: John Lawrence

TCT 1158: Thrombus withdrawal in coronary bifurcation through a neurovascular thrombectomy device
Presenting Author: Alexandre C. Zago

TCT 1159: Complex revascularization of the superior mesenteric artery and right coronary artery thromboembolism from a bioprosthetic aortic valve in a patient presenting with simultaneous acute mesenteric ischemia and myocardial infarction
Presenting Author: Amir Naderi

TCT 1160: Superior vena cava SVC syndrome jailed away
Presenting Author: Roberto Martinez-Parachini

TCT 1161: Endovascular extraction of hepatocellular carcinoma tumor thrombus in the inferior vena cava and right atrium by AngioVac aspiration device
Presenting Author: Jason Cuomo

TCT 1162: Restoring valve competency with mechanical thrombectomy for deep vein thrombosis
Presenting Author: Luay Sedy

TCT 1163: NSTEMI in a 16 year old due to thromboembolism. Should you stent
Presenting Author: Stephen Wilkinson

TCT 1164: Bailout procedure may be the only option for patient survival in critical situations
Presenting Author: Tamer Alashkar

TCT 1165: Acute Myocardial Infarction in a Patient with End Stage Heart Failure on Permanent Left Ventricular Assist Device: Not a Serious Worry
Presenting Author: Wladyslaw Dabrowski

TCT 1179: First Case Report of the Cordella PA Pressure Sensor Implant Procedure
Presenting Author: Faisal Sharif
Valve in Valve procedure.

Presenting Author: Magdalena Bryndza

Mitroflow bioprosthesis which could not be crossed retrogradely for Valve in Valve procedure.

Presenting Author: Magdalena Cuman

**Structural IV**


TCT 1195: Concomitant Transcatheter Aortic Valve Replacement and Left Main Coronary Intervention in the Era of Mechanical Support

Presenting Author: Majid Asawawer

TCT 1196: Use of an Arteriovenous Loop to Facilitate Transcatheter Aortic Valve Alignment in a Patient with Giant Ascending Aneurysm.

Presenting Author: Marco Hernández Enriquez

TCT 1197: Transaxillar Valve in valve VIV Transcatheter Aortic Valve Replacement TAVR followed by Bioprosthetic Valve Fracture

Presenting Author: Markus Florian Krakhardt

TCT 1198: Urgent TAVR in the Setting of Severe Aortic Valve Disease Complicated by Cardiogenic Shock in a Patient at Extreme Risk for Surgery

Presenting Author: Marvin Kajy

TCT 1199: Edge to Edge MitraClip Repair in the Setting of Acute Myocardial Infarction and Papillary Muscle Rupture: A Multidisciplinary Heart Team Approach

Presenting Author: David G. Rizik

TCT 1200: Transcatheter mitral valve replacement in a patient with elevated risk for LVOT obstruction

Presenting Author: Elvis Cami

TCT 1201: A MitraClip Conundrum: Flow Matters and Gradient Trumps Area

Presenting Author: Geoffrey Bergman


Presenting Author: Guillaume Leurent

TCT 1203: Transcatheter Therapy for Residual MR and iatrogenic ASD after MitraClip and ASD closure

Presenting Author: Hiroki Nikura

TCT 1204: Balloon Mitral Valvuloplasty for High Risk Post SAVR Tricuspid Valve Plasty Patient

Presenting Author: Hirotsugu Mitsuhashi

TCT 1205: Antegrade LAMPOON to facilitate TMVR

Presenting Author: John Cyril Lisko DUPE


Presenting Author: Yee Sen Chan

TCT 1207: Percutaneous Mitral Paravalvular Leak Closure Facilitated by Periprocedural three dimensional transesophageal echocardiography

Presenting Author: Jorge Guarerra

TCT 1208: Transcatheter mitral valve in bioprosthesis implantation

When crossing of the interatrial septum is not possible advantages and challenges of the Sapien 3 Ultra system
**POSTER ABSTRACTS I**

<table>
<thead>
<tr>
<th>Session</th>
<th>Title</th>
<th>Presenting Author(S)</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:15 AM</td>
<td>TCT 851: Assessment of radial artery perforation after transradial coronary intervention by optical coherence tomography</td>
<td>Jincheng Guo</td>
</tr>
<tr>
<td>9:15 AM</td>
<td>TCT 852: Long term prognosis comparison among Non ST Elevation Acute Coronary Syndrome patients with Three vessel Disease undergoing Percutaneous Coronary Intervention Coronary Artery Bypass Grafting and Medical Therapy</td>
<td>Sida Jia</td>
</tr>
<tr>
<td>9:15 AM</td>
<td>TCT 853: Comparison of Real World Bleeding and Ischemic Event Rate in P2Y12 Inhibitors After Percutaneous Coronary Intervention: Analysis of Korean National Insurance Claims Data</td>
<td>Young-Hyo Lim</td>
</tr>
<tr>
<td>9:15 AM</td>
<td>TCT 854: Impact of high sensitivity C reactive protein on disease severity and long term outcomes in patients with acute coronary syndromes</td>
<td>Yue Liu</td>
</tr>
<tr>
<td>9:15 AM</td>
<td>TCT 855: In Hospital Outcomes of Acute Coronary Syndrome in Patients With and Without Polysubstance Abuse</td>
<td>Vishnu Priya Mallppeddi</td>
</tr>
<tr>
<td>9:15 AM</td>
<td>TCT 860: The Outcomes of Percutaneous Coronary Intervention and Coronary Artery Bypass Graft Among Human Immunodeficiency Virus Infected Patients with Multi vessel Coronary Artery Disease</td>
<td>HASSAN ALKHAWAM</td>
</tr>
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<td>9:15 AM</td>
<td>TCT 861: The Incidence of Paradoxical Septal Motion After Robotic versus Non Robotic Coronary Artery Bypass Graft Surgery.</td>
<td>Shunsuke Aoi</td>
</tr>
<tr>
<td>9:15 AM</td>
<td>TCT 862: Adjunctive Coronary Calcium Modification: The Bournemouth Experience of Shockwave Intravascular Lithotripsy.</td>
<td>Peter O'Kane</td>
</tr>
<tr>
<td>9:15 AM</td>
<td>TCT 864: The Outcomes of Percutaneous Coronary Intervention and Coronary Artery Bypass Graft Among Human Immunodeficiency Virus Infected Patients with Multi vessel Coronary Artery Disease</td>
<td>HASSAN ALKHAWAM</td>
</tr>
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<td>9:15 AM</td>
<td>TCT 865: Comparison of prognosis between drug coated balloon DCB and drug eluting stent DES for small vessel lesions</td>
<td>Kifah Hussain</td>
</tr>
<tr>
<td>9:15 AM</td>
<td>TCT 866: A Meta analysis of Percutaneous Coronary Intervention in Small Vessel Coronary Artery Disease using Drug coated Balloon DCB versus Drug eluting Stent DEB</td>
<td>Jifah Hussain</td>
</tr>
<tr>
<td>9:15 AM</td>
<td>TCT 869: Arterial Response to Drug Coated Balloon in Acute Coronary Syndrome: Insights From Serial Angiographic and Optical Frequency Domain Imaging Analysis</td>
<td>Yutaka Tanaka</td>
</tr>
</tbody>
</table>
Presenting Author: Samson Alliu

TCT 878: When in Shock is it Right to Catheterize the Right Trends of circulatory support in a quaternary centre.
Presenting Author: Zheng Ri Lu

TCT 879: Transradial Coronary Angiography and Intervention in Acute Myocardial Infarction Complicated by Cardiogenic Shock
Presenting Author: Armaghan Soomro

TCT 880: Comparing the efficacy and safety of long term and short term dual antiplatelet therapy: A meta analysis of comparison between Asian and non Asian
Presenting Author: You Jeong Ki

TCT 882: Impact of Calcified Plaque Angulation on Clinical Outcomes Following Biodegradable Vascular Scaffold Implantation: Insights from ABSORB III and ABSORB Japan
Presenting Author: Shinji Imura

TCT 883: Safety amp Performance analysis of the single center routine clinical use of the Fantom Sirolimus Eluting Biodegradable Scaffold. Sirolimus Eluting Biodegradable Coronary Scaffold
Presenting Author: Matthias Lutz

TCT 884: Relationship between technical characteristics of drug eluting stent and clinical events: insight from meta regression analysis comprising 43 randomized controlled trials
Presenting Author: Akira Saito

TCT 885: Twenty year trends in clinical outcome of randomized controlled trial for coronary intervention: systematic review and meta regression analysis of 46 trials
Presenting Author: Taku Asano

TCT 886: The impact of the completeness of percutaneous coronary revascularization on mid term outcome. An emergent country experience.
Presenting Author: Marouane Boukhris

TCT 887: Safety and Efficacy of Polymer Free Biolimus A9 Eluting Stent In Patients With And Without Chronic Kidney Disease: Insights From The RUDI FREE Registry
Presenting Author: Mauro Chiarito

TCT 888: Safety and Performance of the Worlds First Tapered Coronary Stent for Long Coronary Lesions: Six month Experience in Real World Settings
Presenting Author: Deepak Davidson

TCT 889: Long Term Outcome of Treatment of Ostial De Novo Left Anterior Descending Coronary Artery Lesions with Drug Eluting Stents DES.
Presenting Author: Seigo Iwane

TCT 890: Biodegradable Polymer Biolimus Eluting Stents Versus Durable Polymer Everolimus and Zotarolimus Eluting Stents in Patients With Acute Coronary Syndrome : Results From the SMART DATE Randomized Trial
Presenting Author: Woo Jin Jang

TCT 891: A Real World Multi center Registry Evaluating Safety and Clinical Performance of Biodegradable Polymer Coated Ultra Thin Everolimus Eluting Stents: One year Results From the PERFORM EVER Registry
Presenting Author: sanjeev kumar

TCT 892: Safety and Performance of Everolimus eluting Stents Comprising of Biodegradable Polymers With Ultrathin Stent Platforms
Presenting Author: RAGHAVA SARMA POLAVARAPU

TCT 893: Safety and Performance of Everolimus eluting Stents Following Bioresorbable Vascular Scaffold Implantation: Insights from ABSORB III and ABSORB Japan
Presenting Author: Shinji Imura

TCT 894: Relationship between technical characteristics of drug eluting stent and clinical events: insight from meta regression analysis comprising 43 randomized controlled trials
Presenting Author: Akira Saito

TCT 895: Twenty year trends in clinical outcome of randomized controlled trial for coronary intervention: systematic review and meta regression analysis of 46 trials
Presenting Author: Taku Asano

TCT 896: The impact of the completeness of percutaneous coronary revascularization on mid term outcome. An emergent country experience.
Presenting Author: Marouane Boukhris
9:15 AM  TCT 899: Transcatheter Aortic Valve Replacement in Low risk Patients: a Meta analysis of Randomized Controlled Trials  
Presenting Author: Ahmad Al-Abdouh

9:15 AM  TCT 900: Quantification of True Lumen Helicity in Type B Dissections  
Presenting Author: Johan Bondesson

9:15 AM  TCT 901: Budget Impact of Mechanically Expanded Versus Self expanding Transcatheter Aortic Valve Replacement in High risk Patients with Aortic Stenosis: A Medicare Perspective  
Presenting Author: David G. Rizik

9:15 AM  TCT 916: The Late Response to Renal Denervation in Patients With Suspected Secondary Aldosteronism  
Presenting Author: Ying-Hsiang Lee

9:15 AM  TCT 917: In hospital Outcomes and Trends of Intra aortic Balloon Pump and Percutaneous Ventricular Assist Device Use in Patients with Peripheral Artery Disease  
Presenting Author: Homam Moussa Pacha

9:15 AM  TCT 918: MicroNET Covered Self Expandable STent in High Risk Vascular Lesions Beyond The carotid bifurcation: TheEXTRA GUARD Study  
Presenting Author: Piotr Musialek

9:15 AM  TCT 919: Directional Atherectomy Versus Optical Coherence Tomography Guided Directional Atherectomy in the Lower Extremities  
Presenting Author: Mitul Patel

Presenting Author: Jean-François Dorval

9:15 AM - 10:45 AM  Structural I  
Discussant: John P. Breinholt, Ian Hanek, Massimo Napodano, Katia Orvin, Neal Sowlni, Ruth M. Starzyk, Carl L. Tommaso

9:15 AM  TCT 893: Retrograde Transcatheter Closure Of Perimembranous Aneurysmal Ventricular Septal Defects Using Amplatzer Vascular Plug II  
Presenting Author: Rania Abushokka

9:15 AM  TCT 894: Pressure Sensor Devices in Congestive Heart Failure: An Insight from the Nationwide Readmission Data  
Presenting Author: Kristina Gifft

9:15 AM  TCT 895: Left Ventricular Assist Device Use in Hypertrophic or Restrictive Cardiomyopathy: A Systematic Review  
Presenting Author: Jayakumar Sreenivasan

9:15 AM  TCT 896: Elderly Patients gt 70 Years Old Have Comparable Survival to Younger Patients on Impella 5.0 Support for Cardiogenic Shock  
Presenting Author: Leslie Ammabel Ynalvez

9:15 AM  TCT 897: Racial Disparities in Implantation of Left Atrial Appendage Closure Device in patients with Nonvalvular Atrial fibrillation: Analysis of national sample database  
Presenting Author: Setri Fugar

9:15 AM  TCT 898: Surgical Left Atrial Appendage Exclusion: High Anatomical And Clinical Failure Rate By Follow Up Transesophageal Echocardiography  
Presenting Author: Emrie Tomaiko

9:15 AM - 10:45 AM  Structural II  
Discussant: Ramesh Adiraju, Matjaz Bunc, Adriano Caixeta, Vijay Iyer, Saib Khogali, Edward J. McNulty

Presenting Author: Miklos Bitay

9:15 AM  TCT 903: Outcomes of Urgent Transcatheter Aortic Valve Replacement in Patients With Acute Decompensated Heart Failure  
A Single Center Experience  
Presenting Author: Kai Chen

9:15 AM  TCT 904: Impact of Left Bundle Branch Block and Permanent Pacemaker Implantation on Transcatheter Aortic Valve Replacement Outcome  
Presenting Author: SEYED HOSSEIN AALAEI-ANDABILI

9:15 AM  TCT 905: Comparison of Outcomes in Patients Undergoing Transcatheter Aortic Valve Replacement: Reduced Ejection Fraction vs Mid Range Ejection Fraction  
Presenting Author: Mohammad Al-Akchar

9:15 AM  TCT 906: A Non Invasive Approach for Assessment the Severity of Paravalvular Leakage and Transvalvular Energy Loss using Echocardiography  
Presenting Author: Mohammad Barakat

9:15 AM  TCT 907: Predictors of short and mid term outcomes after TAVR in low flow low gradient aortic stenosis  
Presenting Author: FERNANDO LUIZ L. BERNARDI

9:15 AM - 10:45 AM  Structural III  
Discussant: Joseph A. Hill, Jamie Kim, Philip A. MacCarthy, Alfredo Marchese, Alexander Grigorievich Osiev, Bernhard Reimers, Daniel H. Steinberg

9:15 AM  TCT 908: Outcomes of Transcatheter Aortic Valve Replacement TAVR in Octo nonagenerians Using a National Cohort  
Presenting Author: Mario Cale

9:15 AM  TCT 909: 30 Day Outcome and Safety Data from PorticoTM TAVI System Over One Year at an Australian Centre.  
Presenting Author: Leigh Cummins

9:15 AM  TCT 910: Non invasive measurement of carotid waveform and heart sounds to quantify aortic stenosis before and after transcatheter aortic valve replacement  
Presenting Author: Sam Dawkins

Presenting Author: Ariana González

9:15 AM  TCT 912: Prognostic Impact of the Clinical Frailty Scale after Balloon Aortic Valvuloplasty  
Presenting Author: TOMOYO HAMANA

Presenting Author: Harold Hernandez
NOW THAT I SEE IT, I KNOW HOW TO TREAT IT! A HANDS-ON OCT SKILLS LAB

THURSDAY, SEPTEMBER 26, 2019
8:00 AM - 9:30 AM
Training Pavilion, Hall F

8:00 AM - 8:20 AM
OCT: Now That I See It - Presentation

8:20 AM - 9:30 AM
Hands-On Sessions

8:20 AM - 9:30 AM
Virtual Reality Interactive OCT Session
8:20 AM - 9:30 AM
OCT Workstation Measurements Assessments and Procedure Planning
8:20 AM - 9:30 AM
Image Acquisition With a Wet Model Practice

Physiology Simplified: A HANDS-ON RFR SKILLS LAB

THURSDAY, SEPTEMBER 26, 2019
10:00 AM - 11:30 AM
Training Pavilion, Hall F

10:00 AM - 10:15 AM
Didactic Session
Training Pavilion Faculty: Ziad A. Ali, Kevin J. Croce, Allen Jeremias, Vamsi Krishna, R. Jay Widmer

10:15 AM - 11:30 AM
Hands-On Activity Guided by Five Case Scenarios: Utilizing a Wet Model to Perform RFR and FFR
Training Pavilion Faculty: Ziad A. Ali, Kevin J. Croce, Allen Jeremias, Vamsi Krishna, R. Jay Widmer

LARGE-BORE ACCESS TO CLOSE: WHAT YOU WANT (AND NEED) TO KNOW

THURSDAY, SEPTEMBER 26, 2019
12:00 PM - 1:30 PM
Training Pavilion, Hall F

12:00 PM - 12:20 PM
Introduction - Access Planning and Management of Complications Review
Training Pavilion Faculty: Adhir Shroff, Rajiv Tayal

12:20 PM - 1:30 PM
Hands-On Device Deployment
Training Pavilion Faculty: Adhir Shroff, Rajiv Tayal

NOW THAT I SEE IT, I KNOW HOW TO TREAT IT! A HANDS-ON OCT SKILLS LAB

THURSDAY, SEPTEMBER 26, 2019
2:00 PM - 3:30 PM
Training Pavilion, Hall F

2:00 PM - 2:20 PM
OCT: Now That I See It - Presentation
Training Pavilion Faculty: Ziad A. Ali, Michael Chan, Bassem Chehab, Matheen Khuddas, Ethan C. Korngold, Aziz Maksoud, Emile Mehanna, Bimal Padaliya, Gabriel Tensol, Catalin Toma, Armando Vergara-Martel

2:20 PM - 3:30 PM
Hands-On Sessions
Training Pavilion Faculty: Ziad A. Ali, Hiram G. Bezerra, Michael Chan, Bassem Chehab, Matheen Khuddas, Ethan C. Korngold, Aziz Maksoud, Emile Mehanna, Bimal Padaliya, Gabriel Tensol, Catalin Toma, Armando Vergara-Martel
THE IMPACT OF DESIGN ON CORONARY GUIDEWIRE PERFORMANCE: A HANDS-ON EXPERIENCE

The Impact of Design on Coronary Guidewire Performance: A Hands-On Experience

THURSDAY, SEPTEMBER 26, 2019
4:00 PM - 5:30 PM
Training Pavilion, Hall F

4:00 PM - 5:30 PM
The Impact of Design on Coronary Guidewire Performance: A Hands-On Experience
Training Pavilion Faculty: Andrea Gagnor, Jack Hall, Duane S. Pinto, Robert F. Riley, Jason Wollmuth

4:00 PM
Introduction
4:05 PM
Didactic on Guidewire Building Blocks and WH wires
4:15 PM
Hands on Workhorse Wires Activity
4:30 PM
Polymer Jacketed Wires Overview and Hands on Activity
4:50 PM
Extra Support/Specialty wires Overview and Hands on Activity
5:10 PM
TurnTrac Wire Overview and Hands on Activity

OPTIMIZING PCI: WHEN TO USE WHAT IN CORONARY PHYSIOLOGY AND IMAGING: CASE REVIEW AND HANDS-ON

Optimizing PCI: When to Use What in Coronary Physiology and Imaging: Case Review and Hands-On

THURSDAY, SEPTEMBER 26, 2019
8:00 AM - 9:30 AM
Training Pavilion, Hall F

8:00 AM - 9:30 AM
Optimizing PCI: When to Use What in Coronary Physiology and Imaging: Case Review and Hands-On
Training Pavilion Faculty: Allen Jeremias, Arnold Seto

8:00 AM
Introduction
8:05 AM
When to Use What to Optimize PCI
8:35 AM
Hands On Rotations

CTO: TEACHING OLD DOGS NEW TECHNIQUES

CTO: Teaching Old Dogs New Techniques

THURSDAY, SEPTEMBER 26, 2019
12:00 PM - 1:30 PM
Training Pavilion, Hall F

12:00 PM - 1:30 PM
CTO: Teaching Old Dogs New Techniques
Training Pavilion Faculty: Robert F. Riley, Anthony J. Spaedy

12:00 PM
Introduction
12:05 PM
CTO Teaching Old Dogs New Techniques
12:35 PM
Hands On Rotations

STREAMLINING THE LAAC PATIENT EDUCATION CONVERSATION FOR ALLIED HEALTH PROVIDERS

Streamlining the LAAC Patient Education Conversation for Allied Health Providers

THURSDAY, SEPTEMBER 26, 2019
2:00 PM - 3:30 PM
Training Pavilion, Hall F

8:00 AM - 9:30 AM
Optimizing PCI: When to Use What in Coronary Physiology and Imaging: Case Review and Hands-On
Training Pavilion Faculty: Allen Jeremias, Arnold Seto

8:00 AM
Introduction
8:05 AM
When to Use What to Optimize PCI
8:35 AM
Hands On Rotations

ROTAPRO™ FOR PLAQUE MODIFICATION AND VESSEL PREP

ROTAPRO™ for Plaque Modification and Vessel Prep

THURSDAY, SEPTEMBER 26, 2019
10:00 AM - 11:30 AM
Training Pavilion, Hall F

10:00 AM - 11:30 AM
ROTAPRO™ for Plaque Modification and Vessel Prep
Training Pavilion Faculty: Ramy Badawi, Wissam Jaber

10:00 AM
Introduction
10:05 AM
ROTAPRO Rotational Atherectomy System: 25 Years of Proven Clinical Safety and Efficacy
10:35 AM
Hands On Rotations
<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
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<tbody>
<tr>
<td>2:00 PM</td>
<td>Streamlining the LAAC Patient Education Conversation for Allied Health</td>
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<td>Providers</td>
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<td>2:05 PM</td>
<td>Introduction</td>
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<tr>
<td>3:10 PM</td>
<td>Hands On Rotations</td>
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<tr>
<td>TAVR: AN INTERACTIVE EXPERIENCE WITH SENTINEL CPS</td>
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<td>TAVR: An Interactive Experience With Sentinel CPS</td>
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<td>THURSDAY, SEPTEMBER 26, 2019</td>
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<td>4:00 PM - 5:30 PM</td>
<td>Training Pavilion, Hall F</td>
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<tr>
<td>4:00 PM</td>
<td>Introduction</td>
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<tr>
<td>4:05 PM</td>
<td>Product Data Overview and Case Reviews</td>
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<td>4:45 PM</td>
<td>Hands On Rotations</td>
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<td>TAVR FOUNDATIONS FOR THE NEW TO TAVR IMPLANTER</td>
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<td>THURSDAY, SEPTEMBER 26, 2019</td>
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<td>10:00 AM - 11:30 AM</td>
<td>Training Pavilion, Hall F</td>
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<tr>
<td>10:00 AM</td>
<td>Introduction</td>
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<tr>
<td>10:05 AM</td>
<td>Product procedural overview and key imaging considerations</td>
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<tr>
<td>10:35 AM</td>
<td>Rotation 1 simulation imaging hands on</td>
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<tr>
<td>11:00 AM</td>
<td>Rotation 2 simulation imaging hands on</td>
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<tr>
<td>11:25 AM</td>
<td>Adjourn</td>
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<tr>
<td>SPYRAL HTN ON MED, OFF MED, WHAT NEXT?</td>
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<tr>
<td>SPYRAL HTN ON MED, OFF MED, What Next?</td>
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<td>THURSDAY, SEPTEMBER 26, 2019</td>
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<tr>
<td>12:00 PM - 1:30 PM</td>
<td>Training Pavilion, Hall F</td>
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<tr>
<td>12:00 PM</td>
<td>Update on the SPYRAL HTN program</td>
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<tr>
<td>12:20 PM</td>
<td>Real world data in renal denervation</td>
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<td>12:40 PM</td>
<td>Audience interaction and discussion</td>
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<tr>
<td>12:50 PM</td>
<td>Latest advances in RDN procedure</td>
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<td>1:00 PM</td>
<td>Hands on with RDN</td>
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<tr>
<td>TAVR CLINIC FOUNDATIONS FOR VALVE PROGRAM COORDINATOR NEW TO TAVR</td>
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<td>TAVR Clinic Foundations for Valve Program Coordinator New to TAVR</td>
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<td>THURSDAY, SEPTEMBER 26, 2019</td>
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<td>8:00 AM - 9:30 AM</td>
<td>Training Pavilion, Hall F</td>
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<tr>
<td>8:00 AM</td>
<td>Introduction</td>
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<tr>
<td>8:05 AM</td>
<td>A Journey Through the Care Continuum</td>
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<td>8:45 AM</td>
<td>Rotation 1 simulation imaging hands on</td>
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<tr>
<td>9:05 AM</td>
<td>Rotation 2 simulation imaging hands on</td>
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<tr>
<td>9:25 AM</td>
<td>Adjourn</td>
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<tr>
<td>THE LATEST IN CTO PCI: OPTIMIZING OUTCOMES IN THESE COMPLEX PATIENTS</td>
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<tr>
<td>The Latest in CTO PCI: Optimizing Outcomes in These Complex Patients</td>
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OPTIMIZING OUTCOMES IN PATIENTS WITH BIFURCATION LESIONS

Optimizing Outcomes in Patients with Bifurcation Lesions
THURSDAY, SEPTEMBER 26, 2019
4:00 PM - 5:30 PM
Training Pavilion, Hall F

4:00 PM - 5:30 PM
Optimizing Outcomes in Patients with Bifurcation Lesions
Training Pavilion Faculty: Jens Flensted Lassen, Goran Stankovic

4:00 PM
Introduction
4:05 PM
Bifurcation Techniques with Integrated Visible Heart Laboratories Footage
4:45 PM
Hands On Simulation

ACCESS AND CLOSURE

Access and Closure
THURSDAY, SEPTEMBER 26, 2019
8:00 AM - 9:30 AM
Training Pavilion, Hall F

8:00 AM - 8:10 AM
Introduction
Training Pavilion Faculty: Amir Kaki, Adhir Shroff, Rajiv Tayal

8:10 AM - 9:30 AM
Breakout Rotations
Training Pavilion Faculty: Amir Kaki, Adhir Shroff, Rajiv Tayal

8:10 AM
Insertion with Impella Trainer

TEACH HRPCI

TEACH HRPCI
THURSDAY, SEPTEMBER 26, 2019
12:00 PM - 1:30 PM
Training Pavilion, Hall F

12:00 PM - 12:20 PM
Didactic Session
Training Pavilion Faculty: M Chadi Alraies, Hiram G. Bezerra, Jason Moreland, Rajan A. Patel, Jon Robken

12:20 PM - 1:30 PM
Breakout Rotations
Training Pavilion Faculty: M Chadi Alraies, Hiram G. Bezerra, Jason Moreland, Rajan A. Patel, Jon Robken

12:20 PM
Position Sim
12:20 PM
Position Sim
12:20 PM
HARVI App
12:20 PM
HARVI App
### SHOCK SYSTEMS OF CARE: BEST PRACTICES FROM INOVA AND NCSI

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Faculty</th>
</tr>
</thead>
<tbody>
<tr>
<td>2:00 PM - 2:40 PM</td>
<td>Didactic Sessions</td>
<td>Mir Babar Basir, Michael J. Lim, Alexander George Truesdell</td>
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<tr>
<td>2:40 PM - 3:30 PM</td>
<td>Breakout Rotations</td>
<td>Mir Babar Basir, Michael J. Lim, Alexander George Truesdell</td>
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### MULTIMODALITY IMAGING FOR TRANSSEPTAL CROSSING AND LAAC

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<tr>
<th>Time</th>
<th>Event</th>
<th>Faculty</th>
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<tbody>
<tr>
<td>8:00 AM - 9:30 AM</td>
<td>Multimodality Imaging for Transseptal Crossing and LAAC</td>
<td>Brij Maini, Rahul Prakash Sharma, Torsten P. Vahl</td>
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<tr>
<td></td>
<td>Introduction</td>
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<td></td>
<td>Step by Step Technique</td>
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<td>Instructional Video</td>
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<td>The Role of 4D Volume ICE for Transseptal Crossing</td>
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<td>Hands on Education Rotations Through Simulators</td>
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### IMAGING FOR THE FORGOTTEN VALVE: TECHNIQUES FOR VISUALIZING THE TRICUSPID

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Faculty</th>
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<tbody>
<tr>
<td>10:00 AM - 11:30 AM</td>
<td>Imaging for the Forgotten Valve: Techniques for Visualizing the Tricuspid</td>
<td>Scott Lim, Carlos E. Sanchez</td>
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<tr>
<td></td>
<td>Introduction</td>
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<td></td>
<td>Techniques for Diagnosis and Procedural Planning</td>
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<td>Case Demonstrations for Interventional Guidance</td>
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<td>Role of 4D Volume ICE for Visualization</td>
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<td>Hands on Education Rotations Through Simulators</td>
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### TEACH CGS

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<th>Time</th>
<th>Event</th>
<th>Faculty</th>
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<tbody>
<tr>
<td>4:00 PM - 4:20 PM</td>
<td>Didactic Session</td>
<td>Sanjog Kalra, Dennis Lynn Morris, William W. O’Neill, Alexander George Truesdell</td>
</tr>
<tr>
<td>4:20 PM - 5:30 PM</td>
<td>Breakout Rotations</td>
<td>Sanjog Kalra, Dennis Lynn Morris, William W. O’Neill, Alexander George Truesdell</td>
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### MULTIMODALITY IMAGING FOR TRANSSEPTAL CROSSING AND LAAC

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<tbody>
<tr>
<td>12:00 PM - 1:30 PM</td>
<td>Multimodality Imaging for Transseptal Crossing and LAAC</td>
<td>Training Pavilion, Hall F</td>
</tr>
</tbody>
</table>
Multimodality Imaging for Transseptal Crossing and LAAC
Training Pavilion Faculty: Chad Kliger, Carlos E. Sanchez, Gagan D. Singh

12:00 PM  Introduction  Step by Step Technique
12:10 PM  Instructional Video
12:20 PM  The Role of 4D Volume ICE for Transseptal Crossing
12:30 PM  Hands on Education  Rotations Through Simulators

ADVANCING ALTERNATIVE ACCESS FOR THE TREATMENT OF PAD AND CLI

THURSDAY, SEPTEMBER 26, 2019
8:00 am - 9:30 am
Training Pavilion, Hall F

8:00 am - 9:30 am
Advancing Alternative Access for the Treatment of PAD and CLI

8:00 am  Introduction and Faculty Review
8:20 am  Hands On Rotations
9:20 am  Debrief

THURSDAY, SEPTEMBER 26, 2019
10:00 am - 11:30 am
Training Pavilion, Hall F

10:00 am - 11:30 am
Advancing Alternative Access for the Treatment of PAD and CLI

MULTIMODALITY IMAGING FOR TRANSSEPTAL CROSSING AND LAAC

THURSDAY, SEPTEMBER 26, 2019
4:00 pm - 5:30 pm
Training Pavilion, Hall F

4:00 pm  Introduction  Step by Step Technique
4:10 pm  Instructional Video

COMPLICATIONS MANAGEMENT (CORONARY STENT RETRIEVAL)

THURSDAY, SEPTEMBER 26, 2019
12:00 pm - 1:30 pm
Training Pavilion, Hall F

12:00 pm - 1:30 pm
Complications Management (Coronary Stent Retrieval)
Training Pavilion Faculty: Amir Kaki, Binita Shah

12:00 pm  Introduction
Complications Management (Coronary Stent Retrieval)

THURSDAY, SEPTEMBER 26, 2019
2:00 PM - 3:30 PM
Training Pavilion, Hall F

Simulation Stations

Complications Management (Coronary Stent Retrieval)

THURSDAY, SEPTEMBER 26, 2019
2:00 PM - 3:30 PM
Training Pavilion Faculty: Amir Kaki, Binita Shah

Simulation Stations

Complications Management (Coronary Stent Retrieval)

THURSDAY, SEPTEMBER 26, 2019
4:00 PM - 5:30 PM
Training Pavilion, Hall F

Simulation Stations

Complications Management (Coronary Stent Retrieval)

THURSDAY, SEPTEMBER 26, 2019
4:00 PM - 5:30 PM
Training Pavilion Faculty: Amir Kaki, Adhir Shroff

Simulation Stations

ASSESSMENT OF PATIENTS WITH AORTIC STENOSIS OR AORTIC INSUFFICIENCY - 1

Assessment of Patients With Aortic Stenosis or Aortic Insufficiency - 1

Structural: Valve

THURSDAY, SEPTEMBER 26, 2019
9:30 AM - 10:30 AM
The Moscone Center

9:30 AM - 10:30 AM
Assessment of Patients With Aortic Stenosis or Aortic Insufficiency - 1
Moderators: Robert T. Pyo
Discussants: Michael A. Borger, Omar K. Khalique, Jose L. Leiva-Pons, Catherine M. Otto

9:30 AM
TCT 134: Current Management and Disparities in Care for Patients With Symptomatic Severe Aortic Regurgitation

INTRAVASCULAR IMAGING - 1

Intravascular Imaging - 1

Coronary: Core

THURSDAY, SEPTEMBER 26, 2019
9:30 AM - 10:30 AM
Moscone South, Lower Level, Exhibit Hall, Moderated Posters 2

9:30 AM - 10:30 AM
Intravascular Imaging - 1
Moderators: Atul Abhyankar, Peter H. Stone
Discussants: Joost Daemen, Roberto Diletti, Vasim Farooq

9:30 AM
TCT 340: IVUS Guided PSP Technique of Drug Eluting Stents in Complex Coronary Lesions
Presenting Author: Han-bit Park
Discussion

9:37 AM
TCT 341: Clinical Significance of Post Stent Intravascular Ultrasound for Chronic Total Occlusion Percutaneous Coronary Intervention With Drug Eluting Stents
Presenting Author: Sang-Cheol Cho
Discussion
Presenting Author: David Molony

9:57 AM  Discussion

10:00 AM  TCT 343: Diagnostic Accuracy and Reproducibility of Optical Coherence Tomography Based Fractional Flow Reserve for Functional Evaluation of Coronary Stenosis
Presenting Author: Shengxian Tu

10:07 AM  Discussion

10:10 AM  TCT 344: Impact of OCT Guided PCI Using a Specific Stent Optimization Strategy on Clinical Outcomes in Comparison Between Patients With and Without Diabetes Mellitus
Presenting Author: Masaru Kuroda

10:17 AM  Discussion

10:20 AM  TCT 345: Impact of Myocardial Bridging on Long Term Outcomes After Heart Transplantation: Risk Stratification With IVUS Determined Anatomical Properties
Presenting Author: Kozo Okada

10:27 AM  Discussion

OUTCOMES AFTER PRIMARY PCI - 1

9:30 AM - 10:30 AM  Outcomes After Primary PCI - 1
Moderators: Michael A. Kutcher, Tak W. KwanDiscussants: Pablo Lamelas, Massoud A. Leesar, Michel R. Le May

9:30 AM  TCT 483: Influence of Multivessel Disease and Impact of Complete Revascularization in Left Ventricular Function Recovery Following STEMI
Presenting Author: Luis Ortega-Paz

9:37 AM  Discussion

9:40 AM  TCT 484: Prognostic Impact of Subclinical Hemoglobin Descents in Patients Undergoing Primary Angioplasty
Presenting Author: Alfredo Redondo Dieguez

9:47 AM  Discussion

9:50 AM  TCT 485: Does the Time of Day of Primary PCI Influence Infarct Size and Prognosis in Patients With Acute STEMI Analysis From an Individual Patient Data Pooled Database of Randomized Trials
Presenting Author: Shmuel Chen

9:57 AM  Discussion

10:00 AM  TCT 486: Critical Role of Stakeholders in STEMI Networks
Presenting Author: Sameer Mehta

10:07 AM  Discussion

10:10 AM  TCT 487: Heart Failure in ST Segment Elevation Myocardial Infarction Predictors and Prognostic Impact: Insights From the TOTAL Trial

NATURAL HISTORY AND MANAGEMENT OF MITRAL AND TRICUSPID VALVE DISEASE - 1

Natural History and Management of Mitral and Tricuspid Valve Disease - 1
Structural: Valve

THURSDAY, SEPTEMBER 26, 2019
9:30 AM - 10:30 AM
Moscone South, Lower Level, Exhibit Hall, Moderated Posters 1

9:30 AM - 10:30 AM  Natural History and Management of Mitral and Tricuspid Valve Disease - 1
Moderators: Frederick G. St. GoarDiscussants: Paolo Denti, Robert L. Smith

9:30 AM  TCT 430: Comparison of Tricuspid Annulus Measurements By 2D Transthoracic and Transesophageal Echocardiography and 3D Automated Transesophageal Echocardiography with CT Annulus Measurements in Patients with Severe Tricuspid Regurgitation Being Evaluated for Transcatheter Intervention
Presenting Author: Shawn Reginauld

9:37 AM  Discussion

9:40 AM  TCT 431: Impact of Tricuspid Regurgitation on TAVR Patient Outcomes
Presenting Author: Stephan Haussig

9:47 AM  Discussion

9:50 AM  TCT 432: The Economic Impact of Clinically Significant Tricuspid Regurgitation
Presenting Author: Patrick Verta

9:57 AM  Discussion
REVASCULARIZATION IN PATIENTS WITH DIABETES - 1

THURSDAY, SEPTEMBER 26, 2019
9:30 AM - 10:30 AM
The Moscone Center

9:30 AM - 10:30 AM
Revascularization in Patients With Diabetes - 1
Moderators: Waleed El Awady, James Flaherty
Discussants: Norman E. Lepor, Ahmed Magdy, Duk-Woo Park, Anand Prasad

9:30 AM
TCT 627: Novel Sirolimus Eluting Stent With Fusion Coating Technology to Address the Diabetes Issue: Two Year Results of the enABL e Registry
Presenting Author: Luca Testa

9:37 AM
Discussion

9:40 AM
TCT 628: Long Term Outcomes After Percutaneous Coronary Intervention Relative to Bypass Surgery in Diabetic Patients With Multivessel Coronary Artery Disease According to Clinical Presentation
Presenting Author: Yong-Joon Lee

9:47 AM
Discussion

9:50 AM
TCT 629: Impact of Diabetes Mellitus on One Year Clinical Outcomes of Ultra Thin Strut 60 μm Biodegradable Polymer Coated Sirolimus Eluting Coronary Stents
Presenting Author: POTHINENI RAMESH BABU

9:57 AM
Discussion

10:00 AM
TCT 630: The Impact of Diabetes Mellitus in Patients Undergoing Percutaneous Coronary Intervention With a Drug Eluting Stent for Unprotected Left Main Stenosis
Presenting Author: Anastasios Roumeliotis

10:07 AM
Discussion

10:10 AM
TCT 631: Comparison Between the Use of Overlapping Stents and Very Long Stents in the Diabetic Population With Diffuse Coronary Artery Disease: A Real Life Study
Presenting Author: IGNACIO SANCHEZ PEREZ

10:17 AM
Discussion

10:20 AM
TCT 632: Complete Revascularization of Multivessel Coronary Artery Disease Does Not Improve Clinical Outcomes in ST Segment Elevation Myocardial InfarctionPatients With Diabetes Mellitus

STROKE AND STROKE PREVENTION
### Stroke and Stroke Prevention

**Vascular**

**THURSDAY, SEPTEMBER 26, 2019**

**9:30 AM - 10:30 AM**

**Stroke and Stroke Prevention**

**Moderators:** Alex Chebl, David R. Holmes Jr. **Discussants:** J. Michael Bacharach, Jan Kovac, Aman B. Patel

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Description</th>
<th>Presenting Author(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:30</td>
<td>TCT 667: Role of the Type of Carotid Stent and Cerebral Protection on Cerebral Microembolization During Carotid Artery Stenting: A Randomized Study Comparing Wallstent vs. Roadsaver Stent and Distal vs. Proximal Cerebral Protection</td>
<td>Stefano Galli</td>
</tr>
<tr>
<td>9:30</td>
<td>TCT 668: Computational Fluid Dynamics Study of a Novel Embolic Protection Device</td>
<td>Udi Nussinovitch</td>
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<td>9:30</td>
<td>TCT 669: Predictors of the Long Term Antihypertensive Effect of Carotid Artery Stenting</td>
<td>Firdavs B. Shukurov</td>
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<tr>
<td>9:30</td>
<td>TCT 670: Worse Prognosis in Old Thrombi Related Large Vessel Occlusion Stroke</td>
<td>Martijn Meuwissen</td>
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<tr>
<td>9:30</td>
<td>TCT 671: The Results of Endovascular Treatment in Patients With Ischemic Stroke Both Older and Younger Than 70 Years</td>
<td>Andrey Sidorenko</td>
</tr>
<tr>
<td>9:30</td>
<td>TCT 672: Usefulness of Soluble ST2 in Evaluating Severity of Cerebral Cardiac Syndrome</td>
<td>Pei-Hsun Sung</td>
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<tr>
<td>9:30</td>
<td>TCT 777: Prevention of Radial Artery Occlusion: Comparison of Three Hemostatic Methods in Transradial Intervention</td>
<td>Jesus Reyes</td>
</tr>
<tr>
<td>9:30</td>
<td>TCT 778: Evaluation of Railway Sheathless Access System for Transradial Coronary and Peripheral Intervention</td>
<td>Courtney Walsh Krathen</td>
</tr>
<tr>
<td>9:30</td>
<td>TCT 779: An Updated Meta Analysis of Radial vs. Femoral Access for Percutaneous Intervention in the Context of Aggressive Bleeding Avoidance Strategies</td>
<td>Kirstin Hesterberg</td>
</tr>
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<td>9:30</td>
<td>TCT 780: Randomized Comparison of Hemostasis Times Following Transradial Access With a Kaolin Based Hemostatic Pad QuikClot Radial vs. Mechanical Compression TR Band</td>
<td>Jonathan Roberts</td>
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<tr>
<td>9:30</td>
<td>TCT 781: The Quest for a Radial Lounge: StatSeal Reduces Transradial Coronary Angiography Turnaround Time and Cost</td>
<td>Victor Galusko</td>
</tr>
</tbody>
</table>

### Vascular Access and Closure in PCI - 1

**Coronary: Core**

**THURSDAY, SEPTEMBER 26, 2019**

**9:30 AM - 10:30 AM**

**Vascular Access and Closure in PCI - 1**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Description</th>
<th>Presenting Author(s)</th>
</tr>
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<tbody>
<tr>
<td>9:30</td>
<td>TCT 164: Clinical Outcomes at 3 Years of the Absorb Biodegradable Vascular Scaffold Versus XIENCE Drug Eluting Metallic Stent in Patients With or Without Acute Coronary Syndrome AIDA Trial Substudy</td>
<td>Salvador Carese, Jun-Jack Cheng, Stephen G. Ellis, Vasim Farooq, Guy J. Friedrich</td>
</tr>
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<td>Victor Galusko</td>
</tr>
</tbody>
</table>
Presenting Author: Ruben Tijssen

10:37 AM Discussion
10:40 AM TCT 165: 5 Year Clinical Results of a Randomized Trial Evaluating the Absorb Bioresorbable Vascular Scaffold vs. Metallic Drug Eluting Stents in De Novo Native Coronary Artery Lesions: Data From the ABSORB Japan Trial
Presenting Author: Ken Kazuma

10:47 AM Discussion
10:50 AM TCT 166: Optimal Vessel Sizing for Bioresorbable Scaffold Implantation and the Incidence of Scaffold Thrombosis: Insights From the COMPARE ABSORB Trial
Presenting Author: Chun Chin Chang

10:57 AM Discussion
11:00 AM TCT 167: Clinical Outcomes of the Absorb Everolimus Eluting Bioresorbable Scaffold: Final 5 Year Results From the ABSORB III Trial
Presenting Author: Stephen G. Ellis

11:07 AM Discussion
11:10 AM TCT 168: Vessel Remodeling Mechanisms After Bioresorbable Scaffold Implantation
Presenting Author: Pawel P. Gasior

11:17 AM Discussion
11:20 AM TCT 169: Early Scaffold Strut Coverage in Ultra High Molecular Weight Amorphous PLLA Sirolimus Eluting Bioresorbable Scaffolds: Impact of Strut Thickness Assessed in Normal Porcine Coronary Arteries
Presenting Author: Gert Richardt

11:27 AM Discussion

EXCEL TRIAL CLINICAL SUBSTUDIES - 1

10:30 AM - 11:30 AM
Moscone South, Lower Level, Exhibit Hall, Moderated Posters 6

10:30 AM - 11:30 AM
EXCEL Trial Clinical Substudies - 1
Moderators: Magdy AbdelhamidDiscussants: Sorin J. Brener, Pawel E. Buszman, Habib Gamra

10:30 AM TCT 306: Association Between Prediabetes and Clinical Outcomes After Left Main Coronary Artery Revascularization by PCI or CABG: Analysis From the EXCEL Trial
Presenting Author: Bjorn Redfors

10:37 AM Discussion
10:40 AM TCT 307: Vascular Closure Device Use After PCI for Left Main Disease: Analysis From the EXCEL Trial
Presenting Author: Toshihiro Kuno

10:47 AM Discussion
10:50 AM TCT 308: Impact of Periprocedural Major Adverse Events After PCI and CABG on Long Term Outcomes in Patients With Left Main Disease: The EXCEL Trial
Presenting Author: Sneha Jain

10:57 AM Discussion

DrUG-EL UtING STENT STUDIES - 1

10:30 AM - 11:30 AM
Drug-Eluting Stent Studies - 1
Coronary: Core

THURSDAY, SEPTEMBER 26, 2019
10:30 AM - 11:30 AM
Moscone South, Lower Level, Exhibit Hall, Moderated Posters 8

10:30 AM - 11:30 AM
Drug-Eluting Stent Studies - 1

10:30 AM TCT 276: Individual Patient Data Analysis of the BIOFLOW Study Program Comparing Safety and Efficacy of a Bioresorbable Polymer Sirolimus Eluting Stent to a Durable Polymer Everolimus Eluting Stent
Presenting Author: Gert Richardt

10:37 AM Discussion
10:40 AM TCT 277: Global Differences in Predictors of Long Term Outcomes After Percutaneous Coronary Intervention: Insights From the XIENCE Pooled Registry

10:47 AM Discussion
10:50 AM TCT 278: Clinical Outcomes of All Comers Patients Presenting With Acute Coronary Syndrome Treated With the COMBO Stent: From the MASCOT and REMDEEE Registries
Presenting Author: Vera de Winter

10:57 AM Discussion
11:00 AM TCT 279: Safety and Efficacy of Sirolimus Eluting Stent System in All Comers Real World Population With Coronary Artery Stenosis: The MILES Global Study

11:07 AM Discussion
11:10 AM TCT 280: BIOFLOW VI: Biotronik Safety and Clinical Performance of the Drug Eluting Orsiro Stent in the Treatment of Subjects With De Novo Coronary Artery Lesions VI: 2 Year Clinical Results
Presenting Author: Yue Jin Yang

11:17 AM Discussion
11:20 AM TCT 281: Efficacy and Safety of the Ultrathin Strut Biodegradable Polymer Sirolimus Eluting Stents in Routine Clinical Practice: Data From the IRIS DES Registry
Presenting Author: Junghoon Lee

11:27 AM Discussion
11:00 AM | TCT 309: Incidence and Clinical Impact of Major Infections Following PCI or CABG for Left Main Disease: Insights From the EXCEL Trial  
Presenting Author: Rodrigo Modolo

11:07 AM | Discussion

11:10 AM | TCT 310: Outcomes in Patients With Peripheral Vascular Disease After PCI Versus CABG for Left Main Coronary Artery Disease: A Substudy From the EXCEL Trial  
Presenting Author: Masahiko Noguchi

11:17 AM | Discussion

11:20 AM | TCT 311: Four Year Clinical Outcomes in High Bleeding Risk Patients After Surgical or Percutaneous Left Main Coronary Artery Revascularization: The EXCEL Trial  
Presenting Author: Bimmer E. Claessen

11:27 AM | Discussion

IMAGING-DERIVED PHYSIOLOGIC LESION ASSESSMENT - 1

10:30 AM - 11:30 AM  
Imaging-Derived Physiologic Lesion Assessment - 1  

10:30 AM | TCT 323: Angiography Derived Contrast Fractional Flow Reserve From a Specially Designed Computational Fluid Dynamic Method  
Presenting Author: YUNLONG HUO

10:37 AM | Discussion

10:40 AM | TCT 324: Diagnostic Performance of Angiogram Derived Fractional Flow Reserve: A Pooled Analysis of Five Prospective Cohort Studies  
Presenting Author: Guy Witberg

10:47 AM | Discussion

10:50 AM | TCT 325: Quantitative Flow Ratio for Assessment of Nonculprit Coronary Lesions in Patients With ST Segment Elevation Myocardial Infarction  
Presenting Author: Hidekuni Kirigaya

10:57 AM | Discussion

11:00 AM | TCT 326: Diagnostic Performance of Angiography Based Quantitative Flow Ratio With Respect To Fractional Flow Reserve Derived From Computed Tomography Angiography: Insight From the SYNTAX III Trial  
Presenting Author: Kuniaki Takahashi

11:07 AM | Discussion

11:10 AM | TCT 327: Feasibility of IVUS Derived FFR as a Novel Technique to Estimate Functional Severity of Coronary Stenosis  
Presenting Author: Kuninobu Kashiyama

11:17 AM | Discussion

11:20 AM | TCT 328: Diagnostic Performance of Quantitative Flow Ratio from Angiography Versus Fractional Flow Reserve From Computed Tomography  
Presenting Author: Hiroki Emori

11:27 AM | Discussion

LARGE-BORE VASCULAR ACCESS AND CLOSURE

10:30 AM - 11:30 AM  
Large-Bore Vascular Access and Closure  
Moderators: Tony Das, Gary GershonyDiscussants: Itshac Itsik Ben-dor, Prakash Krishnan, Oscar A. Mendiz, Sanjum S. Sethi

10:30 AM | TCT 364: The Closer Large Bore Vascular Sealing System: First in Man In Hospital and Long Term Experience  
Presenting Author: S. Chiu Wong

10:37 AM | Discussion

10:40 AM | TCT 365: Results of the Frontier IV Study With the PerQseal Vivasure Medical Ltd.Fully Absorbable Patch Based Large Hole Vascular Closure Device.  
Presenting Author: Arne G. Schwindt

10:47 AM | Discussion

10:50 AM | TCT 366: Novel Direct Visualization Technique Facilitates Safe and Reproducible Closure Post Large Bore Sheath Removal: The FAST MANTA Pilot Study  
Presenting Author: Janarthanan Sathananthan

10:57 AM | Discussion

11:00 AM | TCT 367: Large Bore Vascular Access Training With the CardioSkills Smart Puncture Simulator: A Training Tool and Concept for Avoiding Vascular Access Site Complications  
Presenting Author: Andreas Norbert Meissner

11:07 AM | Discussion

11:10 AM | TCT 368: Axillary Artery Access in the Setting of Cardiogenic Shock and Severe Peripheral Arterial Disease  
Presenting Author: M Chadi Alraies

11:17 AM | Discussion

11:20 AM | TCT 369: Efficacy and Safety of Figure of Eight Suture vs. Manual Pressure for Venous Access Closure: A Meta Analysis
NATURAL HISTORY AND MANAGEMENT OF MITRAL AND TRICUSPID VALVE DISEASE - 2

Natural History and Management of Mitral and Tricuspid Valve Disease - 2

Presenting Author: Mark Terence Mujer

11:27 AM Discussion

THURSDAY, SEPTEMBER 26, 2019
10:30 AM - 11:30 AM
Moscone South, Lower Level, Exhibit Hall, Moderated Posters 1

10:30 AM - 11:30 AM
Natural History and Management of Mitral and Tricuspid Valve Disease - 2
Moderators: Francesco SaiaDiscussants: Karl-Heinz Kuck, Alexander Lauten, Helge Möllmann, Luigi Salemme

10:30 AM TCT 436: Transcatheter Versus Surgical Mitral Valve Repair in Patients With Prior CABG: A Nationwide Analysis
Presenting Author: Syed Zaid

10:37 AM Discussion

10:40 AM TCT 437: Characteristics and Outcomes of Patients With Normal Left Atrial Pressure Undergoing Transcatheter Mitral Valve Repair
Presenting Author: Jason Sims

10:47 AM Discussion

10:50 AM TCT 438: Prognosis of MitraClip Combined With Optimal Medical Therapy vs. Optimal Medical Therapy Alone in the Treatment of Functional Mitral Regurgitation: A Meta Analysis of Randomized Controlled Trials and Propensity Score Matching Cohorts
Presenting Author: Jakrin Kewcharoen

10:57 AM Discussion

11:00 AM TCT 439: Procedural and 30 Day Outcomes of Patients Undergoing Transcatheter Aortic and Mitral Valve Replacements
Presenting Author: Alan Zajarias

11:07 AM Discussion

Presenting Author: Clare Ward

11:17 AM Discussion

11:20 AM TCT 441: Effects of Frailty on Postprocedural Outcomes in Patients Receiving Transcatheter Mitral Valve Repair
Presenting Author: Nathaniel Christian-Miller

11:27 AM Discussion

PACEMAKERS AND CONDUCTION ABNORMALITIES IN PATIENTS WITH TAVR - 1

Pacemakers and Conduction Abnormalities in Patients With TAVR - 1

Structural: Valve

THURSDAY, SEPTEMBER 26, 2019
10:30 AM - 11:20 AM
The Moscone Center

10:30 AM - 11:30 AM
Outcomes After Primary PCI - 2
Moderator: Michael Kang-Yin Lee

10:30 AM TCT 489: Base Camp to Mount Everest: Milestones in Advancing a Single Lead for STEMI Detection
Presenting Author: Sameer Mehta

10:37 AM Discussion

10:40 AM TCT 490: Myocardial Infarction Due to Acute Left Circumflex LCx Occlusion: Electrocardiographic Parameters Infarct Size Reperfusion Delay Average Hospital Stay and Cardiovascular Mortality
Presenting Author: IGNACIO SANCHEZ PEREZ

10:47 AM Discussion

10:50 AM TCT 491: A Novel Risk Score to Predict 24 Month Postdischarge Death for Patients With Non ST Segment Elevation Myocardial Infarction
Presenting Author: Guofeng Gao

10:57 AM Discussion

11:00 AM TCT 492: Impact of Hemoglobin Concentration on Infarct Size in Patients With STEMI Undergoing PCI: Patient Level Pooled Analysis From Two Randomized Trials
Presenting Author: Fotis Gkargkoulas

11:07 AM Discussion

11:10 AM TCT 493: Epidemiology of In Hospital Cardiac Arrest Complicating Non ST Elevation Myocardial Infarction Receiving Early Coronary Angiography
Presenting Author: Saraschandra Vallabhajosyula

11:17 AM Discussion

11:20 AM TCT 494: PFT Based Antiplatelet Therapy Reduces Cardiovascular Events in Post AMI Patients With Left Ventricular Dysfunction After Percutaneous Coronary Intervention
Presenting Author: YOU JIEYUN

11:27 AM Discussion

OUTCOMES AFTER PRIMARY PCI - 2

Outcomes After Primary PCI - 2

Coronary: CHIP
10:30 AM - 11:20 AM
Pacemakers and Conduction Abnormalities in Patients With TAVR - 1
Moderators: Philippe Pibarot
Discussants: Hyo-Soo Kim, David W.M. Muller

10:30 AM
TCT 525: Predictors of Permanent Pacemaker Implantation After Transcatheter Aortic Valve Replacement in Patients With Very Large Annuli: Data From the 34mm Self Expanding CoreValve Evolut R Prospective Multicenter Registry
Presenting Author: Victor Alfonso Jimenez Dias

10:37 AM
Discussion

10:40 AM
TCT 526: Impact of Pre Existing Conduction Abnormalities on Permanent Pacemaker Requirement and Survival in Patients Undergoing Transcatheter Aortic Valve Replacement With the SAPIEN 3 Valve
Presenting Author: Yasser Sammour

10:47 AM
Discussion

10:50 AM
TCT 527: Site Level Variation and Predictors of Post TAVR Permanent Pacemaker Implantation in the Evolut Low Risk Trial
Presenting Author: Hemal Gada

10:57 AM
Discussion

11:00 AM
TCT 528: Novel Predictors of New Permanent Pacemaker Implantation After Evolut TAVR
Presenting Author: Syed Zaid

11:07 AM
Discussion

11:10 AM
TCT 529: Novel Predictors New Persistent Left Bundle Branch Block After Evolut TAVR
Presenting Author: Syed Zaid

11:17 AM
Discussion

11:30 AM - 12:30 PM
EXCEL Trial Clinical Substudies - 2
Moderators: Daniel Chamie
Discussants: Jun-Jack Cheng, Kenneth Chin, Kalpa De Silva

11:30 AM
TCT 312: Spontaneous Myocardial Infarction After Revascularization in Left Main Disease: Analysis From the EXCEL Trial
Presenting Author: Mahesh V. Madhavan

11:37 AM
Discussion

11:40 AM
TCT 313: Incidence and Impact of Major Bleeding Events After PCI or CABG for Left Main Coronary Artery Disease: The EXCEL Trial
Presenting Author: Gennaro Giustino

11:47 AM
Discussion

11:50 AM
TCT 314: Inpatient vs. Outpatient PCI in Patients With Left Main Disease: Analysis From the EXCEL Trial
Presenting Author: Prakriti Gaba

11:57 AM
Discussion
### Natural History and Management of Mitral and Tricuspid Valve Disease - 3

**Moderators:** Scott Lim, Igor F. Palacios  
**Discussants:** Robert J. Lederman, Stephen H. Little, David W.M. Muller

<table>
<thead>
<tr>
<th>Time</th>
<th>Presentation</th>
<th>Author(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>11:30</td>
<td>TCT 442: The Volume Outcomes Relationship Between Mitral Valve Surgery and MitraClip Procedure in a US Registry</td>
<td>Jad Omran</td>
</tr>
<tr>
<td>11:37</td>
<td>Discussion</td>
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<td>11:40</td>
<td>TCT 443: Mitraclip Outcomes in Patients With Coronary Artery Disease</td>
<td>Obai Abdullah</td>
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<tr>
<td>11:47</td>
<td>Discussion</td>
<td></td>
</tr>
<tr>
<td>11:50</td>
<td>TCT 444: Left Ventricular Thinning and Distension to Mimic Heart Failure and Functional Mitral Regurgitation in Swine Hearts: A Platform to Test New Transcatheter Mitral and Heart Failure Devices</td>
<td>Elorm Agra</td>
</tr>
<tr>
<td>11:57</td>
<td>Discussion</td>
<td></td>
</tr>
<tr>
<td>12:00</td>
<td>TCT 445: Incidence of Cardiogenic Shock Between Transcatheter and Surgical Mitral Valve Repair in the United States: Insights From the Nationwide Inpatient Sample</td>
<td>Richard Hajjar</td>
</tr>
</tbody>
</table>

**Outcomes After Primary PCI - 3**

### Outcomes After Primary PCI - 3

**Coronary: CHIP**

**THURSDAY, SEPTEMBER 26, 2019  
11:30 AM - 12:30 PM**

Moscone South, Lower Level, Exhibit Hall, Moderated Posters 1

<table>
<thead>
<tr>
<th>Time</th>
<th>Presentation</th>
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</tr>
</thead>
<tbody>
<tr>
<td>11:30</td>
<td>TCT 495: Global Health Telemedicine Guided AMI Management</td>
<td>Sameer Mehta</td>
</tr>
<tr>
<td>11:37</td>
<td>Discussion</td>
<td></td>
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<td>11:40</td>
<td>TCT 496: Impact of Body Mass Index on Infarct Size and Clinical Outcomes Following Primary PCI: Patient Level Analysis From 6 Randomized Trials</td>
<td>Bahira Shahim</td>
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<td>11:47</td>
<td>Discussion</td>
<td></td>
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<td>11:50</td>
<td>TCT 497: A Novel Risk Stratification System Angiographic GRACE Score Is Useful for Predicting In Hospital Mortality of Patients With Acute Myocardial Infarction: From K Active Registry</td>
<td>Takanobu Mitarai</td>
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<td>11:57</td>
<td>Discussion</td>
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<td>12:00</td>
<td>TCT 498: Final Results of the Optimal Timing of Coronary Intervention in Unstable Angina 2 OPTIMAF2 Trial</td>
<td>Nick Fagel</td>
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<td>12:07</td>
<td>Discussion</td>
<td></td>
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<td>12:10</td>
<td>TCT 499: App Based Remote Monitoring and Virtual Review Following ST Elevation Myocardial Infarction STEMI</td>
<td>Debashish Das</td>
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<td>12:17</td>
<td>Discussion</td>
<td></td>
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<td>12:20</td>
<td>TCT 500: Association Between Microvascular Dysfunction and Diastolic Dysfunction in ST Segment Elevation Myocardial Infarction With Preserved Ejection Fraction</td>
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</tbody>
</table>
PACEMAKERS AND CONDUCTION ABNORMALITIES IN PATIENTS WITH TAVR - 2

Presenting Author: Min Gyu Kang
12:27 PM Discussion

11:30 am - 12:20 pm
Pacemakers and Conduction Abnormalities in Patients With TAVR - 2

Structural: Valve

THURSDAY, SEPTEMBER 26, 2019
11:30 am - 12:20 pm
The Moscone Center

11:30 am TCT 530: Late Onset of New Conduction Disturbances Requiring Permanent Pacemaker Implantation Following Transcatheter Aortic Valve Implantation
Presenting Author: Martijn S. van Mourik

11:37 am Discussion

11:40 am TCT 531: Risk Factors Associated With Permanent Pacemaker Implantation in Patients Receiving a Balloon Expandable Transcatheter Aortic Valve Prosthesis Results From Retrospective International Multicenter CONDUCT Registry
Presenting Author: Michal Droppa

11:47 am Discussion

11:50 am TCT 532: Impact of New Pacemakers in Patients Undergoing TAVR: A Report From the NationalSILENT and Swedish ICD and Pacemaker Registries
Presenting Author: Oskar Angerås

11:57 am Discussion

12:00 pm TCT 533: New Permanent Pacemaker Implantation Does Not Affect Survival After Transcatheter Aortic Valve Replacement With SAPIEN 3 Valve
Presenting Author: Yasser Sammour

12:07 pm Discussion

12:10 pm TCT 534: Outcomes After Pacemaker Implantation in Patients With New Onset Left Bundle Branch Block After Transcatheter Aortic Valve Replacement
Presenting Author: Michael Megaly

12:17 pm Discussion

PHYSIOLOGIC LESION ASSESSMENT - 1

Presenting Author: Min Gyu Kang
12:27 PM Discussion

11:30 am - 12:30 pm
Physiologic Lesion Assessment - 1

Discussant: Felix Bohm, Joseph P. Carrozza Jr, Jeff Chambers, Carlos Collet

11:30 am TCT 575: Outcomes With Deferred vs. Performed Revascularization of Coronary Lesions With Fractional Flow Reserve Values in the Grey Zone
Presenting Author: Michael Megaly

11:37 am Discussion

11:40 am TCT 576: Clinical Outcome of Fractional Flow Reserve FFR and Its Associated Alternate Indices During Practical Routine Clinical Procedures PRESSUREwire Registry
Presenting Author: Colin Barry

11:47 am Discussion

11:50 am TCT 577: Intensive Training and Real Time Quality Control by a Core Laboratory Substantially Improves Physiology Measurements: Lessons From DEFINE PCI
Presenting Author: Mitsuaki Matsumura

11:57 am Discussion

12:00 pm TCT 578: Contrast Mediated FFR Plus Intracoronary Injection of Nitroglycerine: A Sumaximal Hyperemic Adenosine Free Index That Accurately Predicts FFR
Presenting Author: LIVIA LUCIANA GHEORGHE

12:07 pm Discussion

12:10 pm TCT 579: 2 Year Outcomes After Deferral of Revascularization Based on Fractional Flow Reserve: The J CONFIRM Registry
Presenting Author: Shoichi Kuramitsu

12:17 pm Discussion

12:20 pm TCT 580: Prognostic Value of the Index of Microcirculatory Resistance Over Serum Biomarkers in Light Chain Cardiac Amyloidosis
Presenting Author: Ki Hong Choi

12:27 pm Discussion

REVASCULARIZATION IN THE ELDERLY AND THE FRAIL - 2

Presenting Author: Min Gyu Kang
12:27 PM Discussion

11:30 am - 12:30 pm
Revascularization in the Elderly and the Frail - 2

Coronary: CHIP

THURSDAY, SEPTEMBER 26, 2019
11:30 am - 12:30 pm
Moscone South, Lower Level, Exhibit Hall, Moderated Posters 8

11:30 am TCT 645: The Importance of Coronary Revascularization and Guideline Directed Medical Therapy GDMT in Elderly With Non ST Elevation Acute Coronary Syndrome NSTE ACS
Moderators: Bernhard Meyer, Gilles MontalescotDiscussants: John McB. Hodgson, Eliano Pio Navarese, Cheryl Pegus, John A. Spertus

11:30 am Discussion

11:33 am TCT 644: Predictors of Death Following Non-ST-Elevation Acute Coronary Syndrome in Elderly Patients: a Propensity-Matched Analysis From the CSPHAR Registry
Presenting Author: Yangwen Zhang

11:39 am Discussion

11:42 am TCT 643: Predictors of Early Revascularization in Elderly Patients With Non-ST Elevation Acute Coronary Syndrome: An Analysis of the CSPHAR Registry
Presenting Author: Yangwen Zhang

11:46 am Discussion

11:50 am TCT 642: Outcomes of Drug Eluting Stent Implantation in Elderly Patients With Acute Coronary Syndrome
Presenting Author: Yingxin Zhao

11:54 am Discussion

11:57 am TCT 641: Impact of Low Coronary Flow Reserve on Microcirculatory Dysfunction in Elderly Patients With Acute Coronary Syndrome
Presenting Author: Yi Li

12:01 am Discussion

12:05 am TCT 640: Comparative Analysis of Native and Graft Density in Coronary Artery Disease Across Age Groups
Presenting Author: Chao Qin

12:10 am Discussion

12:14 am TCT 639: Correlates of Mortality and Non-Vascular Events During Coronary Artery Bypass Grafting in Elderly Patients
Presenting Author: Yi Li

12:18 am Discussion

12:22 am TCT 638: Age and Gender Differences in Outcomes Following Percutaneous Coronary Intervention in Patients With Acute Coronary Syndrome
Presenting Author: Chao Qin

12:26 am Discussion

12:30 am TCT 637: Acute Coronary Syndrome in the Elderly: Factors Influencing Early Revascularization
Presenting Author: Yingxin Zhao

12:34 am Discussion

12:38 am TCT 636: What Is the Optimal Timing of Coronary Angiography in Elderly Patients With Non-ST-Elevation Acute Coronary Syndrome?}
Presenting Author: Yingxin Zhao

12:42 am Discussion

12:46 am TCT 635: Characterization of Non-ST-Elevation Acute Coronary Syndrome in the Elderly With Sudden Cardiac Death: An Analysis of the Chinese Society of Cardiology Registry
Presenting Author: Yangwen Zhang

12:50 am Discussion

12:54 am TCT 634: Acute Coronary Syndrome in the Elderly: Factors Influencing Early Revascularization
Presenting Author: Chao Qin

12:58 am Discussion

1:02 am TCT 633: Impact of Low Coronary Flow Reserve on Microcirculatory Dysfunction in Elderly Patients With Acute Coronary Syndrome
Presenting Author: Yi Li

1:06 am Discussion
Presenting Author: Jonathan Fang

11:37 AM Discussion
11:40 AM TCT 646: Markers of Frailty Predict Conservative Management in Very Elderly 85 Years Patients Presenting With Non ST Elevation Myocardial Infarction NSTEMI
Presenting Author: Alexandra Murphy

11:47 AM Discussion
11:50 AM TCT 647: Long Term Clinical Outcomes of Elderly Korean Patients With Multivessel Disease Undergoing Percutaneous Coronary Intervention With Drug Eluting Stents
Presenting Author: Karim Abdelshafi

11:57 AM Discussion
12:00 AM TCT 648: Clinical Outcomes of Bivalirudin vs. Heparin in Elderly Patients Undergoing Percutaneous Coronary Intervention: A Systematic Review and Meta Analysis of Randomized Controlled Trials
Presenting Author: Lei Guo

12:07 AM Discussion
12:10 AM TCT 649: Long Term Prognosis of Elderly Patients With Additional High Bleeding Risk Factors: A Pooled Analysis From Four Post Approval XIENCE Studies
Presenting Author: Rishi Chandiramani

12:17 AM Discussion
12:20 AM TCT 650: Economic Outcomes for Older Adults With Acute Myocardial Infarction Treated With PCI
Presenting Author: Abdulla Damluji

12:27 AM Discussion

TAVR AND CORONARY ARTERY DISEASE - 1

TAVR and Coronary Artery Disease - 1

THURSDAY, SEPTEMBER 26, 2019
11:30 AM - 12:30 PM
Moscone South, Lower Level, Exhibit Hall, Moderated Posters 3

11:30 AM - 12:30 PM
TAVR and Coronary Artery Disease - 1
Moderators: Bernard R. Chevalier, James Cockburn
Discussants: Talib Majwal, John C. Messenger, Rajeev Narayan

11:30 AM TCT 679: Outcomes of Combined Transcatheter Aortic Valve Replacement and Percutaneous Coronary Interventions
Presenting Author: Tariq Enezate

11:37 AM Discussion

11:40 AM TCT 680: Validation of Virtual to Coronary Distance in Native Transcatheter Aortic Valve Replacement
Presenting Author: Michael Fuery

11:47 AM Discussion

11:50 AM TCT 681: In Hospital and Short Term TAVR Outcomes in Patients With and Without Unrevascularized Coronary Artery Disease

11:57 AM Discussion

12:00 PM TCT 682: Percutaneous Coronary Intervention and Transcatheter Aortic Valve Replacement Within the Same Admission
Presenting Author: Konstantinos Voudris

12:07 PM Discussion

12:10 PM TCT 683: Variation in the Timing of Percutaneous Coronary Intervention and Outcomes in Patients Undergoing Transcatheter Aortic Valve Replacement
Presenting Author: Tomoki Ochiai

12:17 PM Discussion

12:20 PM TCT 684: Treatment Strategies in Patients with Stable Obstructive Coronary Artery Disease and Severe Aortic Valve Stenosis Who Underwent TAVR
Presenting Author: Mahmoud Ali

12:27 PM Discussion

OUTCOMES AFTER PRIMARY PCI - 4

Outcomes after Primary PCI - 4

Coronary: CHIP

THURSDAY, SEPTEMBER 26, 2019
12:30 PM - 1:30 PM
Moscone South, Lower Level, Exhibit Hall, Moderated Posters 4

12:30 PM - 1:30 PM
Outcomes after Primary PCI - 4
Moderators: Talib Majwal, Robert T. Pyo
Discussants: Ganesh Manoharan, Samer Mansour, Ruben A. Piraino, Gary L. Schaer

12:30 PM TCT 501: Forging Partnerships for Constructing a Telemedicine Guided Nationwide STEMI Program for Mexico
Presenting Author: Sameer Mehta

12:37 PM Discussion

12:40 PM TCT 502: One Year Outcomes of Supersaturated Oxygen Therapy in Acute Anterior Myocardial Infarction: The IC HOT Study
Presenting Author: Shmuel Chen

12:47 PM Discussion

12:50 PM TCT 503: KASH Score: A New Tool to Predict in Hospital Death in Patients With Myocardial Infarction
Presenting Author: Joel Monteiro

12:57 PM Discussion

1:00 PM TCT 504: The Effect of Timing of Percutaneous Coronary Intervention Following Thrombolytic Therapy on the Outcome of Patients Presenting With Anterior ST Elevation Myocardial Infarction
Presenting Author: Ahmad Alkonaissi

1:07 PM Discussion
1:10 PCT 505: Impact of Gender and Door to Balloon Times on Long Term Mortality in Patients Presenting With ST Elevation Myocardial Infarction STEMI
Presenting Author: Alexandra Murphy

1:17 PM Discussion

1:20 PM TCT 506: LATIN STEMI Prototype for Developing Countries
Presenting Author: Sameer Mehta

1:27 PM Discussion

PACEMAKERS AND CONDUCTION ABNORMALITIES IN PATIENTS WITH TAVR - 3

Renal Insufficiency and Contrast Nephropathy - 1

1:30 PM TCT 535: Impact of Rapid Ventricular Pacing on Outcomes in Patient With Heart Failure After Transcatheter Aortic Valve Replacement A Retrospective Analysis at a Community Hospital
Presenting Author: Eduardo Venegas

1:37 PM Discussion

1:40 PM TCT 536: Impact of Transcatheter Aortic Valve Replacement on His Ventricular Interval
Presenting Author: Christian Ukena

1:47 PM Discussion

1:50 PM TCT 537: Electrophysiologic Complications With Transcatheter vs. Surgical Aortic Valve Replacement in Low Risk Patients: Evidence From a Meta Analysis of Randomized Controlled Trials
Presenting Author: Amartya Kundu

1:57 PM Discussion

2:00 PM TCT 538: Can an Entirely Extracardiac Minimally Invasive Pacing System Be Helpful in TAVR Patients
Presenting Author: Martin Burke

2:07 PM Discussion

2:10 PM TCT 539: Novel Predictors of New Persistent Left Bundle Branch Block After Edwards SAPIEN 3 TAVR
Presenting Author: Syed Zaid

2:17 PM Discussion

STENT THROMBOSIS AND RESTENOSIS - 1

Renal Insufficiency and Contrast Nephropathy - 1

12:30 PM TCT 609: Use of Iso Osmolar Contrast Media in High AKI Risk Patients Undergoing Endovascular Abdominal Aortic Aneurysm Repair EVAR Is Associated With Lower Incidence of Major Adverse Renal or Cardiac Events MARCE
Presenting Author: Amit Amin

12:37 PM Discussion

12:40 PM TCT 610: Impact of Baseline Renal Function on the Long Term Clinical Outcomes After PCI: Insights From a Prespecified Subgroup Analysis of the Randomized GLOBAL LEADERS Trial
Presenting Author: Mariusz Tomaniak

12:47 PM Discussion

12:50 PM TCT 611: Influence of Renal Dysfunction for Ischemic Stroke and Major Bleeding in Patients With Atrial Fibrillation Undergoing Percutaneous Coronary Intervention
Presenting Author: Ko Yamamoto

12:57 PM Discussion

1:00 PM TCT 612: Poor Prognosis of Contrast Induced Nephropathy Was Observed More Than Ten Years Follow Up
Presenting Author: TAILI LIU

1:07 PM Discussion

1:10 PM TCT 613: Preventive Intravascular Volume Expansion Strategies for Contrast Induced Acute Kidney Injury in Patients Receiving Intraarterial Contrast Media
Presenting Author: Omar Sheikh

1:17 PM Discussion

1:20 PM TCT 614: Predictive and Prognostic Value of Serum Neutrophil Gelatinase Associated Lipocalin for Contrast Induced Acute Kidney Injury and Long Term Clinical Outcomes After Percutaneous Coronary Intervention
Presenting Author: Ik Jun Choi

1:27 PM Discussion
12:30 PM - 1:20 PM
Stent Thrombosis and Restenosis - 1

12:30 PM TCT 657: Comparison of Subsequent Neoatherosclerotic Findings at Mid Term Follow Up Optical Coherence Tomography Between Second and Third Generation Drug Eluting Stent Implantation
Presenting Author: Toshiya Miura

12:37 PM Discussion

12:40 PM TCT 658: Severe Acute Stent Malapposition After Drug Eluting Stent Implantation: Effects on Long Term Clinical Outcomes
Presenting Author: Seung-Yul Lee

12:47 PM Discussion

12:50 PM TCT 659: Intravascular Ultrasound Analysis of Calcified Neoatherosclerosis Causing In Stent Restenosis and Its Clinical Implication: From IRIS DES and DEB Registry
Presenting Author: Sang-Cheol Cho

12:57 PM Discussion

1:00 PM TCT 660: Repeat Vascular Brachytherapy for Recurrent In Stent Restenosis in Patients With Failed Intracoronary Radiation Therapy
Presenting Author: Yuefeng Chen

1:07 PM Discussion

1:10 PM TCT 661: Angiographic Results of Everolimus Eluting Stents for the Treatment of In Stent Restenosis
Presenting Author: Jens Wiebe

1:17 PM Discussion

12:30 PM - 1:20 PM
Stent Thrombosis and Restenosis - 1

12:30 PM TCT 657: Comparison of Subsequent Neoatherosclerotic Findings at Mid Term Follow Up Optical Coherence Tomography Between Second and Third Generation Drug Eluting Stent Implantation
Presenting Author: Toshiya Miura

12:37 PM Discussion

12:40 PM TCT 658: Severe Acute Stent Malapposition After Drug Eluting Stent Implantation: Effects on Long Term Clinical Outcomes
Presenting Author: Seung-Yul Lee

12:47 PM Discussion

12:50 PM TCT 659: Intravascular Ultrasound Analysis of Calcified Neoatherosclerosis Causing In Stent Restenosis and Its Clinical Implication: From IRIS DES and DEB Registry
Presenting Author: Sang-Cheol Cho

12:57 PM Discussion

1:00 PM TCT 660: Repeat Vascular Brachytherapy for Recurrent In Stent Restenosis in Patients With Failed Intracoronary Radiation Therapy
Presenting Author: Yuefeng Chen

1:07 PM Discussion

1:10 PM TCT 661: Angiographic Results of Everolimus Eluting Stents for the Treatment of In Stent Restenosis
Presenting Author: Jens Wiebe

1:17 PM Discussion

ASSESSMENT OF PATIENTS WITH AORTIC STENOSIS OR AORTIC INSUFFICIENCY - 2

THURSDAY, SEPTEMBER 26, 2019
2:00 PM - 3:00 PM
The Moscone Center

2:00 PM Assessment of Patients With Aortic Stenosis or Aortic Insufficiency - 2
Moderators: Pedro A. LemosDiscussants: Blase A. Carabello, Petra Poliacikova, Stephen R. Ramee

2:00 PM TCT 140: Impact of Left Ventricular Mass Regression on Long Term Clinical Outcomes After Transcatheter Aortic Valve Replacement: An Analysis of the PARTNER 1 and 2 Trials and Registries
Presenting Author: Katherine Chau

2:07 PM Discussion

2:10 PM TCT 141: C Reactive Protein:Albumin Ratio in Patients Undergoing Transcatheter Aortic Valve Replacement
Presenting Author: Derk Frank

2:17 PM Discussion

2:20 PM TCT 142: Clinical Characteristics and Outcomes of Patients Undergoing Transcatheter Aortic Valve Replacement with STS PROM of 3
Presenting Author: Aisha Ahmed

2:27 PM Discussion

2:30 PM TCT 143: Changes in Quality of Life in Patients With Low Flow Aortic Stenosis Undergoing Transcatheter Aortic Valve Replacement
Presenting Author: Mahesh Anantha Narayanan

2:37 PM Discussion

2:40 PM TCT 144: Impact of Diastolic Dysfunction on Mortality and Quality of Life After Transcatheter Aortic Valve Replacement
Presenting Author: Ramy Mando

2:47 PM Discussion

2:50 PM TCT 145: Invasive Corroboration of Echocardiographic Low Stroke Volume Index in Aortic Stenosis and Its Impact on Transaortic Gradient and Aortic Valve Area
Presenting Author: Jackson King

2:57 PM Discussion

DRUG-ELUTING BALLOONS AND LOCAL DRUG DELIVERY - 1
Management of Antiplatelet Therapy and Anticoagulation in Patients Undergoing PCI - 1

**THURSDAY, SEPTEMBER 26, 2019**
2:00 PM - 3:00 PM
Moscone South, Lower Level, Exhibit Hall, Moderated Posters 4

**Management of Antiplatelet Therapy and Anticoagulation in Patients Undergoing PCI - 1**

**Coronary: Core**

**2:00 PM** - **3:00 PM**
Management of Antiplatelet Therapy and Anticoagulation in Patients Undergoing PCI - 1

Moderators: Mark B. Effron, Sigmund Silber, Robert C. Welsh

**2:00 PM**
TCT 394: Differential Effects of Prolonged Dual Antiplatelet Therapy After Percutaneous Coronary Intervention in Patients Presenting With Versus Without Acute Myocardial Infarction

Presenting Author: Kim Jihoon

**2:07 PM**
TCT 395: Clinical Usefulness of PRECISE DAPT Score for Predicting Bleeding and Ischemia in Patients with Acute Coronary Syndrome Undergoing Percutaneous Coronary Intervention: An Analysis from the SMART DATE Randomized Trial

Presenting Author: Young Bin Song

**2:17 PM**
TCT 396: A UK Time Trends Analysis of Dual Antiplatelet Therapy DAPT use and Bleeding in Patients with Acute Coronary Syndrome ACS Undergoing Percutaneous Coronary Intervention PCI

Presenting Author: Kalaivani Mahadevan

**2:27 PM**
TCT 397: A Meta analysis Comparing Shorter 1t3months versus Longer duration 12 Months Dual Antiplatelet Therapy Following New generation Drug eluting Stents

Presenting Author: Kirstin Hesterberg

**2:37 PM**
TCT 398: Impact of Long term Ticagrelor Monotherapy Following One month Dual Antiplatelet Therapy in Patients Who Underwent Complex Percutaneous Coronary Intervention: Insights From the Global Leaders Trial

Presenting Author: Abraham Tzafriri
Presenting Author: Patrick W. Serruys

2:47 PM  Discussion
2:50 PM  TCT 399: Long Term Cardiovascular Outcomes According to the Antiplatelet Agent Discontinued After Coronary Stenting: Insights From Four Xience V Post Approval Studies  
Presenting Author: Davide Cao

2:57 PM  Discussion

PHYSIOLOGIC LESION ASSESSMENT - 2

Physiologic Lesion Assessment - 2

THURSDAY, SEPTEMBER 26, 2019
2:00 PM - 3:00 PM  
Moscone South, Lower Level, Exhibit Hall, Moderated Posters 2

2:00 PM  - 3:00 PM  Physiologic Lesion Assessment - 2  
Moderators: Kalpa De Silva  Discussants: Frederick Feit, Peter J. Fitzgerald, Guy J. Friedrich, Ian C. Gilchrist

2:00 PM  TCT 581: Jailed pressure wire to assess the side branch result for bifurcation lesions treated by provisional stenting strategy: iFR as a new index.  
Presenting Author: Manuel D. Pan

2:07 PM  Discussion
2:10 PM  TCT 582: Multi center Clinical Evaluation of a MEMS sensor equipped Rapid exchange Pressure Microcatheter System for Fractional Flow Reserve Measurement SUPREME study  
Presenting Author: chenguang li

2:17 PM  Discussion
2:20 PM  TCT 583: Predictors of Functional Significance of Coronary Bifurcation Stenoses Importance of Lesion Characteristics and SYNTAX score Analysis from FIESTA Registry Database ClinicalTrials.gov Identifier: NCT01724957  
Presenting Author: Kiril Karamfiloff

2:27 PM  Discussion
2:30 PM  TCT 584: Assessment of Interference Between Pressure Wire and Coronary Stents Deployed in the Side Branch: Insights From a Bench Test  
Presenting Author: Takayuki Warisawa

2:37 PM  Discussion
2:40 PM  TCT 585: Prognostic Implications of Coronary Physiologic Indices in Deferred Coronary Artery Lesions with Diabetes Mellitus  
Presenting Author: Doyeon Hwang

2:47 PM  Discussion
2:50 PM  TCT 586: Association between Renal Function and Fractional Flow Reserve : Data From a Prospective IRIS FFR Registry Interventional Cardiology Research Incooperation Society Fractional Flow Reserve  
Presenting Author: Ha-Wook Park

2:57 PM  Discussion

RENAL INSUFFICIENCY AND CONTRAST NEPHROPATHY - 2
Renal Insufficiency and Contrast Nephropathy

2:00 PM - 3:00 PM
Renal Insufficiency and Contrast Nephropathy - 2
Moderators: William T. Abraham, Barry F. Uretsky
Discussants: Nirat Beohar, Deepak L. Bhatt, YunDai Chen

2:00 PM
TCT 615: A Supervised Machine Learning Approach for Predicting Acute Kidney Injury following Percutaneous Coronary Intervention
Presenting Author: Rayji Tsutsui

2:07 PM
Discussion

2:10 PM
TCT 616: Midkine as an early biomarker of contrast induced acute kidney injury in patients undergoing percutaneous coronary interventions for acute coronary syndrome
Presenting Author: Mohamed Ahmed

2:17 PM
Discussion

2:20 PM
TCT 617: Clinical and Economic Outcomes of a Comprehensive Clinical Quality Initiative for Reducing Acute Kidney Injury in Chronic Kidney Disease Patients Undergoing Coronary Angiography
Presenting Author: Robert Kutschman

2:27 PM
Discussion

2:30 PM
TCT 618: A Feasibility Study of the DyeVertPlus Contrast Reduction System to Reduce Contrast Media in Optical Coherence Tomography guided Percutaneous Coronary Interventions
Presenting Author: Vlad Zimin, MD, PhD

2:37 PM
Discussion

2:40 PM
TCT 619: Clinical Impact of Renal Impairment in Diabetic Patients Underwent Percutaneous Coronary Intervention
Presenting Author: Sangwoo Park

2:47 PM
Discussion

2:50 PM
TCT 620: The association between long term worsening renal function and mortality after transcatheter aortic valve replacement in patients with chronic kidney disease
Presenting Author: Derek Phan

2:57 PM
Discussion

DRUG-ELUTING BALLOONS AND LOCAL DRUG DELIVERY - 2

Drug-Eluting Balloons and Local Drug Delivery - 2

2:00 PM - 4:00 PM
TAVR and Coronary Artery Disease - 2
Moderators: Mirvat Alasnag
Discussants: Pavel Cervinka, Gert Richardt, Ashok Seth, Alan C. Yeung

2:00 PM
TCT 685: Coronary Stenosis Before TAVR Are Not Necessarily Associated With Poorer One Year Prognosis and May Be Medically Managed
Presenting Author: Cécile Cazé

2:07 PM
Discussion

2:10 PM
TCT 686: The Impact of Coronary Artery Disease and Pre-procedural PCI on the Short and Long Term Mortality after TAVR
Presenting Author: Thomas van den Boogert

2:17 PM
Discussion

2:20 PM
TCT 687: Outcomes in Patients Undergoing Transcatheter Aortic Valve Replacement With or Without Percutaneous Coronary Intervention: A Systematic Review and Meta Analysis
Presenting Author: NASER YAMANI

2:27 PM
Discussion

2:30 PM
TCT 688: The Need for Future Coronary Access Following Aortic Valve Replacement: A Retrospective Database Analysis of Five Year Angiogram and Percutaneous Coronary Interventions PCI Rates in the Medicare Population
Presenting Author: Kimberly Moore

2:37 PM
Discussion

2:40 PM
TCT 689: Does Orienting Sapien 3 during Crimping in TAVR Affect Final Orientation to Coronaries to Impact TAV and Coronary Reaccess A Pilot Study
Presenting Author: Gilbert Tang

2:47 PM
Discussion

2:50 PM
TCT 690: Initial Deployment Orientation of ACURATE neo THV and Final Commisural Alignment: A Pilot Study on Optimizing Post Procedural Coronary Access
Presenting Author: Andreas Fuchs

2:57 PM
Discussion

TAVR AND CORONARY ARTERY DISEASE - 2

TAVR and Coronary Artery Disease - 2

2:00 PM - 3:00 PM
TAVR and Coronary Artery Disease - 2

2:00 PM
TAVR and Coronary Artery Disease - 2

2:00 PM
TCT 685: Coronary Stenosis Before TAVR Are Not Necessarily Associated With Poorer One Year Prognosis and May Be Medically Managed
Presenting Author: Cécile Cazé

2:07 PM
Discussion

2:10 PM
TCT 686: The Impact of Coronary Artery Disease and Pre-procedural PCI on the Short and Long Term Mortality after TAVR
Presenting Author: Thomas van den Boogert

2:17 PM
Discussion

2:20 PM
TCT 687: Outcomes in Patients Undergoing Transcatheter Aortic Valve Replacement With or Without Percutaneous Coronary Intervention: A Systematic Review and Meta Analysis
Presenting Author: NASER YAMANI

2:27 PM
Discussion

2:30 PM
TCT 688: The Need for Future Coronary Access Following Aortic Valve Replacement: A Retrospective Database Analysis of Five Year Angiogram and Percutaneous Coronary Interventions PCI Rates in the Medicare Population
Presenting Author: Kimberly Moore

2:37 PM
Discussion

2:40 PM
TCT 689: Does Orienting Sapien 3 during Crimping in TAVR Affect Final Orientation to Coronaries to Impact TAV and Coronary Reaccess A Pilot Study
Presenting Author: Gilbert Tang

2:47 PM
Discussion

2:50 PM
TCT 690: Initial Deployment Orientation of ACURATE neo THV and Final Commisural Alignment: A Pilot Study on Optimizing Post Procedural Coronary Access
Presenting Author: Andreas Fuchs

2:57 PM
Discussion
3:00 pm  | TCT 265: Percutaneous coronary interventions with drug coated balloons or drug eluting stents for the treatment of small native vessel coronary artery disease: a meta analysis of randomized trials.  
Presenting Author: Jorge Sanz Sanchez

3:07 pm  | Discussion

3:10 pm  | TCT 266: Long Term Clinical Follow up of Small Coronary De Novo Lesions Treated with a Novel Second Generation Paclitaxel Coated Balloon Catheter  
Presenting Author: Javier Benezet Mazuecos

3:17 pm  | Discussion

3:20 pm  | TCT 267: A Multicenter Registry to Evaluate Drug Coated Balloon Angioplasty after Directional Coronary Atherectomy for Coronary Bifurcation Lesions  
Presenting Author: Shunsuke Kitani

3:27 pm  | Discussion

3:30 pm  | TCT 268: Mid Term Clinical Outcomes Post Sirolimus Coated Balloon Angioplasty in Patients with Coronary Artery Disease: Single Centre Experience  
Presenting Author: Sandeep Basavarajaiah

3:37 pm  | Discussion

3:40 pm  | TCT 269: The efficacy of Drug Coated Balloon angioplasty DCB for de novo small coronary artery disease  
Presenting Author: Yoriyasu Suzuki

3:47 pm  | Discussion

3:50 pm  | TCT 270: Incidence and outcomes of bailout stenting following use of Sirolimus drug coated balloon  
Presenting Author: A D S P K Athukorala

3:57 pm  | Discussion

INTRAVASCULAR IMAGING - 2

THURSDAY, SEPTEMBER 26, 2019  
3:00 pm - 4:00 pm  
Moscone South, Lower Level, Exhibit Hall, Moderated Posters 8

3:00 pm  - 4:00 pm  | Intravascular Imaging - 2  
Moderators: Jose de Ribamar Costa Jr, Kevin J. Croce  
Discussants: John McB. Hodgson

3:00 pm  | TCT 346: Pseudo Stent Strut Protrusion Into Side Branch. An Intravascular Ultrasound Observation From the EXCEL Trial  
Presenting Author: Tatsuhiro Fujimura

3:07 pm  | Discussion

3:10 pm  | TCT 347: Frequency of Incomplete Stent Apposition at Side branch Ostium After Kissing Balloon Inflation Predicted From Preoperative Appearance of Coronary Artery Bifurcation on Three dimensional Optical Coherence Tomograms

3:17 pm  | Discussion

3:20 pm  | TCT 348: Comparison of stent expansion between OCT guided rotational atherectomy and IVUS guided rotational atherectomy for calcified coronary lesion  
Presenting Author: Norihiro Kobayashi

3:27 pm  | Discussion

3:30 pm  | TCT 349: Delineation of Ambiguous Coronary Lesions in Patients Undergoing Coronary Angiography for Acute Coronary Syndrome: Results from an Optical Coherence Tomography Study  
Presenting Author: Klio Konstantinou

3:37 pm  | Discussion

3:40 pm  | TCT 350: Intravascular Ultrasound Optical Coherence Tomography and Fractional Flow Reserve Use in Acute Myocardial Infarction: An 11 Year National Perspective  
Presenting Author: Saraschandra Vallabhajosyula

3:47 pm  | Discussion

3:50 pm  | TCT 351: Diagnostic Performance of Post Stenting 3 Dimensional Quantitative Coronary Angiography to Predict Underexpansion as Measured by Optical Coherence Tomography  
Presenting Author: Armando Vergara-Martel

3:57 pm  | Discussion

MANAGEMENT OF ANTIPLATELET THERAPY AND ANTIICOAGULATION IN PATIENTS UNDERGOING PCI - 2

Management of Antiplatelet Therapy and Anticoagulation in Patients Undergoing PCI - 2

Coronary: Core

THURSDAY, SEPTEMBER 26, 2019

3:00 pm - 4:00 pm
Moscone South, Lower Level, Exhibit Hall, Moderated Posters 4

3:00 pm  - 4:00 pm  | Management of Antiplatelet Therapy and Anticoagulation in Patients Undergoing PCI - 2  
Moderators: Daniel Aradi, Pascal Vranckx  
Discussants: David L. Fischman, Efrain Gaxiola, Francesco Pelliccia

3:00 pm  | TCT 400: Platelet Reactivity and Risk of Stent Thrombosis After Coronary Drug Eluting Stent Implantation in Patients Treated with Oral Anticoagulation: The ADAPT DES Study  
Presenting Author: Gennaro Giustino

3:07 pm  | Discussion

3:10 pm  | TCT 401: Long Term Efficacy of Extended Dual Antiplatelet Therapy After Left Main Coronary Artery Bifurcation Stenting  
Presenting Author: Sungsoo Cho

3:17 pm  | Discussion

3:20 pm  | TCT 402: OptimalDuration of Antiplatelet therapy after Drug eluting stent implantation based on PRECISE DAPT and DAPT Scores  
Presenting Author: Takashi Nishimura

3:17 pm  | Discussion

3:20 pm  | TCT 348: Comparison of stent expansion between OCT guided rotational atherectomy and IVUS guided rotational atherectomy for calcified coronary lesion  
Presenting Author: Norihiro Kobayashi

3:27 pm  | Discussion

3:30 pm  | TCT 349: Delineation of Ambiguous Coronary Lesions in Patients Undergoing Coronary Angiography for Acute Coronary Syndrome: Results from an Optical Coherence Tomography Study  
Presenting Author: Klio Konstantinou

3:37 pm  | Discussion

3:40 pm  | TCT 350: Intravascular Ultrasound Optical Coherence Tomography and Fractional Flow Reserve Use in Acute Myocardial Infarction: An 11 Year National Perspective  
Presenting Author: Saraschandra Vallabhajosyula

3:47 pm  | Discussion

3:50 pm  | TCT 351: Diagnostic Performance of Post Stenting 3 Dimensional Quantitative Coronary Angiography to Predict Underexpansion as Measured by Optical Coherence Tomography  
Presenting Author: Armando Vergara-Martel

3:57 pm  | Discussion

THURSDAY, SEPTEMBER 26, 2019  
3:00 pm - 4:00 pm  
Moscone South, Lower Level, Exhibit Hall, Moderated Posters 8

3:00 pm  - 4:00 pm  | Intravascular Imaging - 2  
Moderators: Jose de Ribamar Costa Jr, Kevin J. Croce  
Discussants: John McB. Hodgson

3:00 pm  | TCT 346: Pseudo Stent Strut Protrusion Into Side Branch. An Intravascular Ultrasound Observation From the EXCEL Trial  
Presenting Author: Tatsuhiro Fujimura

3:07 pm  | Discussion

3:10 pm  | TCT 347: Frequency of Incomplete Stent Apposition at Side branch Ostium After Kissing Balloon Inflation Predicted From Preoperative Appearance of Coronary Artery Bifurcation on Three dimensional Optical Coherence Tomograms

3:17 pm  | Discussion

3:20 pm  | TCT 348: Comparison of stent expansion between OCT guided rotational atherectomy and IVUS guided rotational atherectomy for calcified coronary lesion  
Presenting Author: Norihiro Kobayashi

3:27 pm  | Discussion

3:30 pm  | TCT 349: Delineation of Ambiguous Coronary Lesions in Patients Undergoing Coronary Angiography for Acute Coronary Syndrome: Results from an Optical Coherence Tomography Study  
Presenting Author: Klio Konstantinou

3:37 pm  | Discussion

3:40 pm  | TCT 350: Intravascular Ultrasound Optical Coherence Tomography and Fractional Flow Reserve Use in Acute Myocardial Infarction: An 11 Year National Perspective  
Presenting Author: Saraschandra Vallabhajosyula

3:47 pm  | Discussion

3:50 pm  | TCT 351: Diagnostic Performance of Post Stenting 3 Dimensional Quantitative Coronary Angiography to Predict Underexpansion as Measured by Optical Coherence Tomography  
Presenting Author: Armando Vergara-Martel

3:57 pm  | Discussion
NATURAL HISTORY AND MANAGEMENT OF MITRAL AND TRICUSPID VALVE DISEASE - 5

03:00 - 04:00 Natural History and Management of Mitral and Tricuspid Valve Disease - 5
Moderators: Neil P. Fam, Discussants: Stamatios Lerakis, Paul D. Mahoney, Konstantinos Spargias

03:00 TCT 454: Characteristics and Outcomes of Patients who Are Denied From a Percutaneous Edge to Edge Mitral Valve Repair After Being Referred to a Transcatheter Mitral Valve Program: Impact of a Dedicated Multidisciplinary Mitral Heart Team Approach
Presenting Author: Frederic Beaupre

03:07 Discussion

03:10 TCT 455: Right Ventricular Remodeling Reduces Heart Failure Readmissions in Patients Undergoing Transcatheter Mitral Valve Repair
Presenting Author: Nidhi Kanwar

03:17 Discussion

03:20 TCT 456: Preexisting Atrial fibrillation is Associated with Increased Risk of Midterm and Long Term Mortality in Transcatheter Mitral Valve Repair: Systemic review and Meta analysis
Presenting Author: Narut Prasitlumkum

03:27 Discussion

TCT 457: Severe Mitral Stenosis in Patients with Severe Mitral Annular Calcification: An Area of Unmet Need
Presenting Author: Rayji Tsutsui

03:30 PM Discussion

03:37 PM TCT 458: In Hospital Outcomes of Transcatheter Mitral Valve Repair in Rheumatic Mitral Valve Disease
Presenting Author: Ayman Elbadawi

03:40 PM Discussion

03:47 PM TCT 459: Transcatheter Mitral Valve in Valve Replacement for Failed Bioprostheses: A Systematic Review
Presenting Author: Kais Hyasat

03:50 PM Discussion

03:57 PM NON-ATHEROSCLEROTIC CAD (SCAD, MINOCA, ETC.) - 1

03:00 - 04:00 Non-atherosclerotic CAD (SCAD, MINOCA, etc) - 1

03:00 TCT 466: Clopidogrel plus Aspirin Use is Associated with Poor Long Term Outcomes but Aspirin Use Alone is Safe in Patients with Vasospastic Angina: Results from VA Korea Registry A Prospective Multi Center Cohort
Presenting Author: Sang-Ho Jo

03:07 PM Discussion

03:10 TCT 467: In Hospital and Long term Outcomes among Patients with Spontaneous Coronary Artery Dissection presenting with Ventricular Tachyarrhythmia: Insights from an Italian Registry
Presenting Author: Christopher Cheung

03:17 PM Discussion

03:20 TCT 468: Myocardial Infarction With Non Obstructive Coronary Arteries MINOCA: A Multi Center International Registry Analysis
Presenting Author: Richard Jung

03:27 PM Discussion

03:30 TCT 469: Percutaneous Coronary Intervention performance in Spontaneous Coronary Artery Dissection: an Italian Multicenter Registry
Presenting Author: Giorgio Quadri

03:37 PM Discussion

03:40 TCT 470: Acute management of patients with Spontaneous Coronary Artery Dissection. The DISCO DIssezioni Spontanee Coronaliche Italian Registry.

Presenting Author: Ji-Yong Jang

03:27 PM Discussion

03:30 PM TCT 403: Dual Antithrombotic Therapy is Safe and Effective in Patients with Atrial Fibrillation undergoing Percutaneous Coronary Intervention: Updated Systematic Review and Meta Analysis
Presenting Author: Shahrukh Bakar

03:37 PM Discussion

03:40 PM TCT 404: Benefit and Risks of Aspirin on Top of Ticagrelor in Acute Coronary Syndromes: Insights From the Randomized GLOBAL LEADERS Trial
Presenting Author: Mariusz Tomanik

03:47 PM Discussion

03:50 PM TCT 405: The Fading Role of Triple Therapy in Patients with Atrial Fibrillation and Acute Coronary Syndromes: Insights From the Randomized GLOBAL LEADERS Trial
Presenting Author: Mohammed Osman

03:57 PM Discussion
**PERIPHERAL VASCULAR INTERVENTION - 1**

**Peripheral Vascular Intervention - 1**

**THURSDAY, SEPTEMBER 26, 2019**

3:00 PM - 3:50 PM

Moscone South, Lower Level, Exhibit Hall, Moderated Posters 3

Moderators: Leif Thuesen
Discussants: Carlos I. Mena-Hurtado, Nicolas W. Shammas, Mitchell Weinberg

- **3:00 PM**
  - TCT 551: Sex Differences and Impact on Peripheral Artery Disease Intervention Outcomes From a Nationwide Data: More Significant Than We Think
  - Presenting Author: Abdalla Hassan
- **3:07 PM**
  - Discussion
- **3:10 PM**
  - TCT 552: Drug Coated Balloon versus Plain Old Balloon Angioplasty in Femoropopliteal Disease: A Meta analysis of Randomized Controlled Trials
  - Presenting Author: Mahesh Anantha Narayanan
- **3:17 PM**
  - Discussion
- **3:20 PM**
  - TCT 554: Laser Atherectomy and Drug Coated Balloons for the Treatment of Femoropopliteal In Stent Restenosis: 2 Year Outcomes.
  - Presenting Author: Damianos G. Kokkinidis
- **3:27 PM**
  - Discussion
- **3:30 PM**
  - TCT 555: The Association of Health Related Quality of Life Scores with Cardiovascular and Limb Outcomes in Patients with Symptomatic Peripheral Artery Disease: Insights from the EUCLID Trial
  - Presenting Author: Jennifer Rymer
- **3:37 PM**
  - Discussion
- **3:40 PM**
  - TCT 556: Analysis of clinical outcomes between endovascular repair and surgical repair for abdominal aortic aneurysm
  - Presenting Author: Mohammad Mehdi Ansari
- **3:47 PM**
  - Discussion

**VENTRICULAR ASSIST AND MANAGEMENT OF CARDIogenic SHOCK - 1**

**Ventricular Assist and Management of Cardiogenic Shock - 1**

**THURSDAY, SEPTEMBER 26, 2019**

4:00 PM - 4:50 PM

Moscone South, Lower Level, Exhibit Hall, Moderated Posters 6

Moderators: Kalpa De Silva, James Floherty
Discussants: Rajiv Jauhar

- **3:00 PM**
  - TCT 811: BALANCED BIVENTRICULAR ASSIST VERSUS EXTRACORPOREAL MEMBRANE OXYGENATION IN CARDIAC ARREST
  - Presenting Author: Erik Packer
- **3:07 PM**
  - Discussion
- **3:10 PM**
  - TCT 812: Modified SCAI Classification for Cardiogenic Shock is Associated with Increasing In Hospital Mortality: A Report from the Cardiogenic Shock Working Group Registry
  - Presenting Author: Navin K. Kapur
- **3:17 PM**
  - Discussion
- **3:20 PM**
  - TCT 813: Culprit vessel Versus Multi vessel Percutaneous Coronary Intervention in Cardiogenic Shock. Insights from The National Cardiogenic Shock Initiative
  - Presenting Author: Alejandro Lemor
- **3:27 PM**
  - Discussion
- **3:30 PM**
  - TCT 814: Inflammation as a predictor of outcomes in patients with cardiogenic shock supported by a percutaneous mechanical support device
  - Presenting Author: Nikolaos Diakos
- **3:37 PM**
  - Discussion
- **3:40 PM**
  - TCT 815: Does addition of percutaneous left ventricular decompression therapy with Impella affect clinical outcomes in Cardiogenic Shock patients on Venoarterial extracorporeal membrane oxygenation A Nationwide Analysis
  - Presenting Author: Syed Zaid
- **3:47 PM**
  - Discussion
- **3:50 PM**
  - TCT 816: The Optimal Timing of Mechanical Circulatory Support in Acute Myocardial Infarction Patients with Refractory Cardiogenic Shock
  - Presenting Author: Ki Hong Choi
- **3:57 PM**
  - Discussion

**DRUG-ELUTING BALLOONS AND LOCAL DRUG DELIVERY - 3**

**Drug-Eluting Balloons and Local Drug Delivery - 3**

**Coronary: Core**

**THURSDAY, SEPTEMBER 26, 2019**

3:00 PM - 4:00 PM

Moscone South, Lower Level, Exhibit Hall, Moderated Posters 7

- **3:00 PM**
  - TCT 471: Prognosis and Predictors of Mortality in Patients Suffering Myocardial Infarction with Non Obstructive Coronary Arteries
  - Presenting Author: You-Hong Lee
- **3:07 PM**
  - Discussion
- **3:10 PM**
  - TCT 472: Modified SCAI Classification for Cardiogenic Shock is Associated with Increasing In Hospital Mortality: A Report from the Cardiogenic Shock Working Group Registry
  - Presenting Author: Navin K. Kapur
- **3:17 PM**
  - Discussion
- **3:20 PM**
  - TCT 473: Culprit vessel Versus Multi vessel Percutaneous Coronary Intervention in Cardiogenic Shock. Insights from The National Cardiogenic Shock Initiative
  - Presenting Author: Alejandro Lemor
- **3:27 PM**
  - Discussion
- **3:30 PM**
  - TCT 474: Inflammation as a predictor of outcomes in patients with cardiogenic shock supported by a percutaneous mechanical support device
  - Presenting Author: Nikolaos Diakos
- **3:37 PM**
  - Discussion
- **3:40 PM**
  - TCT 475: Does addition of percutaneous left ventricular decompression therapy with Impella affect clinical outcomes in Cardiogenic Shock patients on Venoarterial extracorporeal membrane oxygenation A Nationwide Analysis
  - Presenting Author: Syed Zaid
- **3:47 PM**
  - Discussion
- **3:50 PM**
  - TCT 476: The Optimal Timing of Mechanical Circulatory Support in Acute Myocardial Infarction Patients with Refractory Cardiogenic Shock
  - Presenting Author: Ki Hong Choi
- **3:57 PM**
  - Discussion
Drug-Eluting Balloons and Local Drug Delivery - 3
Moderators: Eric J. Dippel, Jorge F. SaucedoDiscussants: Anvar Babaev, Franz X. Kleber, Farrell O. Mendelsohn, Bruno Scheller

4:00 PM TCT 271: Drug Coated Reflow Temporary Spur Systems: Inhibition of Neointimal Proliferation in Porcine Peripheral Arteries
Presenting Author: Nadia Brunacci

4:07 PM Discussion
4:10 PM TCT 272: Incidence and Outcomes of Bailout Stenting Following Use of Drug Coated Balloon
Presenting Author: A D S P K Athukorala

4:17 PM Discussion
4:20 PM TCT 273: Randomized Comparison of Two Different Drug Coated Balloons in In Stent Restenosis: The PROPAX Trial
Presenting Author: Jiasheng Yin

4:27 PM Discussion
4:30 PM TCT 274: A prospective multicenter study to assess the long term safety and efficacy of Sirolimus coated Balloon in treatment of inStent restenosis in unselected real world patients
Presenting Author: Azeem Latib

4:37 PM Discussion
4:40 PM TCT 275: Results of Percutaneous Coronary Intervention with Second Generation Drug Coated Balloons in Diabetic Patients at a Long Term Follow Up.
Presenting Author: IGNACIO SANCHEZ PEREZ

4:47 PM Discussion

NON-ATHEROSCLEROTIC CAD (SCAD, MINOCA, ETC.) - 2

Non-Atherosclerotic CAD (SCAD, MINOCA, etc.) - 2
Coronary: CHIP

THURSDAY, SEPTEMBER 26, 2019
4:00 PM - 4:50 PM
Moscone South, Lower Level, Exhibit Hall, Moderated Posters 2

4:00 PM - 4:50 PM Non-atherosclerotic CAD (SCAD, MINOCA, etc.) - 2
Moderators: Christos Bourantas, Joe K. OHHDiscussants: Yu Bo, Jaya Chandrasekhar, Anthony DeMaria

4:00 PM TCT 472: Distribution of Coronary Flow Capacity is Different Among the Groups by Abnormal CFRHMR in Non Obstructive Coronary Artery Disease Patients.
Presenting Author: Jin-Sin Koh

4:07 PM Discussion
4:10 PM TCT 473: Microvascular Resistance and Absolut Coronary Blood Flow Quantification in Takosubo Cardiomyopathy

PCI VS. MEDICAL THERAPY AND INSIGHTS INTO TRIAL DESIGN

PCI vs. Medical Therapy and Insights Into Trial Design
Coronary: Core

THURSDAY, SEPTEMBER 26, 2019
4:00 PM - 4:50 PM
The Moscone Center

4:00 PM - 4:50 PM PCI vs. Medical Therapy and Insights Into Trial Design
Moderators: William E. Boden, Frederick FeitDiscussants: Stefan Anker, Gennaro Giustino, Mark Goldberger, Robert L. Wilensky

4:00 PM TCT 546: Temporal Trends in Characteristics and Outcomes of Patients With Stable Ischemic Heart Disease Treated With and Without Percutaneous Coronary Intervention
Presenting Author: Taku Inohara

4:07 PM Discussion
4:10 PM TCT 547: Sham Controlled Trials of Invasive Cardiovascular Interventions:A Systematic Review and Meta Analysis
Presenting Author: Lucas Lauder

4:17 PM Discussion
4:20 PM TCT 548: Clinical and Angiographic Lesion Characteristics Associated With Lack of Angina Relief After PCI: Insights From the RIVER PCI Trial
Presenting Author: Akiko Fujino

4:27 PM Discussion
4:30 PM TCT 549: The Me amp My Heart eMocial study  A randomized evaluation of a new smartphone based support tool to increase therapy adherence of ACS patients
PULMONARY ARTERY AND PULMONARY VENOUS INTERVENTION

Pulmonary Artery and Pulmonary Venous Intervention

THURSDAY, SEPTEMBER 26, 2019
4:00 PM - 4:50 PM
Moscone South, Lower Level, Exhibit Hall, Moderated Posters 3

Pulmonary Artery and Pulmonary Venous Intervention

Moderators: Harsimran Sachdeva Singh
Discussants: Saif Anwaruddin, Paolo Dentì, Frank F. Ing, Daniel S. Levi, Sanjum S. Sethi

4:00 PM
TCT 599: Exercise right heart catheterization before and after balloon pulmonary angioplasty in inoperable patients with chronic thromboembolic pulmonary hypertension
Presenting Author: Christoph Liebetrau

4:07 PM
Discussion

4:10 PM
TCT 600: Trends on therapeutic approach for acute pulmonary embolism and change in outcomes: analysis of nationwide inpatient sample
Presenting Author: Rabih Tabet

4:17 PM
Discussion

4:20 PM
TCT 601: Concomitant Renal Sympathetic Denervation with Pulmonary Vein Isolation Alone Among Patients with Drug resistant Atrial Fibrillation and Hypertension: a Meta analysis
Presenting Author: Mark Terence Mujer

4:27 PM
Discussion

4:30 PM
TCT 602: Comparison of Radiofrequency Ablation vs Cryodenervation in Patients with Pre capillary Pulmonary Hypertension
Presenting Author: Daria Feshenko

4:37 PM
Discussion

4:40 PM
TCT 603: Long term Outcomes of Percutaneous Intervention for Pulmonary Vein Stenosis Secondary to Atrial Fibrillation Ablation
Presenting Author: Madeline Mahowald

4:47 PM
Discussion

TAVR: PATIENT-PROSTHESIS MISMATCH

TAVR: Patient-Prosthesis Mismatch

Structural: Valve

THURSDAY, SEPTEMBER 26, 2019
4:00 PM - 4:40 PM
The Moscone Center

4:00 PM
TAVR: Patient-Prosthesis Mismatch
Moderators: Stephen J.D. Brecker, Stanley J. Chetcuti
Discussants: Harold L. Dauerman, Ioannis Iakovou, Hasan Jilaihawi, Tsuyoshi Kaneko

4:00 PM
TCT 751: Prevalence and severity of prosthesis patient mismatch after transcatheter aortic valve replacement defined by computed tomography transthoracic echocardiography
Presenting Author: Miho Fukui

4:07 PM
Discussion

4:10 PM
TCT 752: Incidence and Outcomes of Patient Prosthesis Mismatch Following Self Expanding Transcatheter Aortic Valve Replacement: An Analysis from the STSACC TVT Registry
Presenting Author: Gilbert H.L. Tang

4:17 PM
Discussion

4:20 PM
TCT 753: Prosthesis patient Mismatch Following Transcatheter Aortic Valve Replacement With Supra annular and Intra annular Prosthesis
Presenting Author: Taishi Okuno

4:27 PM
Discussion

4:30 PM
TCT 754: Transcatheter aortic valve replacement in very large annuli with the 34mm self expanding CoreValve Evolut R: prospective multicentre registry
Presenting Author: Victor Alfonso Jimenez Dias

4:37 PM
Discussion
VENTRICULAR ASSIST AND MANAGEMENT OF CARDIOGENIC SHOCK - 2

Ventricular Assist and Management of Cardiogenic Shock - 2

Coronary: CHIP

THURSDAY, SEPTEMBER 26, 2019
4:00 PM - 5:00 PM
Moscone South, Lower Level, Exhibit Hall, Moderated Posters 7

4:00 PM - 4:50 PM
Ventricular Assist and Management of Cardiogenic Shock - 2
Moderators: Dharam J. Kumbhani, Michael J. Lim
Discussants: Amirali Masoumi, Maurizio Menichelli, Amit N. Patel

4:00 PM
TCT 817: Changes in right atrial pressure are associated with outcomes in patients with cardiogenic shock receiving acute mechanical circulatory support devices: Insights from the Cardiogenic Shock Working Group
Presenting Author: Carlos Davila

4:07 PM
Discussion

4:10 PM
TCT 818: Clinical Outcomes of Awake Extracorporeal Membrane Oxygenation as Bridge to Heart Transplantation
Presenting Author: Taeha Yoon

4:17 PM
Discussion

4:20 PM
TCT 819: Safety and Efficacy of Mechanical Circulatory Support with Impella or Intra Aortic Balloon Pump for High Risk Percutaneous Coronary Intervention and/or Cardiogenic Shock: Insights from a Network Meta Analysis
Presenting Author: Mark Tuttle

4:27 PM
Discussion

4:30 PM
Presenting Author: Toshihiko Kuno

4:37 PM
Discussion

4:40 PM
TCT 821: Incidence and Implications of Vascular Complications Among Patients With Cardiogenic Shock: Insight From A Large US National Database
Presenting Author: Mohit Pahuja

4:47 PM
Discussion

VULNERABLE PLAQUES AND HIGH RISK PATIENTS - 1

Vulnerable Plaques and High Risk Patients - 1

Coronary: Core

THURSDAY, SEPTEMBER 26, 2019
4:00 PM - 5:00 PM
Moscone South, Lower Level, Exhibit Hall, Moderated Posters 8

4:00 PM - 5:00 PM
Vulnerable Plaques and High Risk Patients - 1
Moderators: David Erlinge, Massoud A. Leesar
Discussants: Pedro A. Lemos, Jun Li, Pedro R. Moreno, Asif Qasim

4:00 PM
TCT 827: Relationship between hemoglobin A1C and coronary plaque vulnerability in patients undergoing percutaneous coronary intervention: an optical coherence tomography study
Presenting Author: Keisuke Yasumura

4:07 PM
Discussion

4:10 PM
TCT 828: Quantitative Validation of the Coronary Angioscopic Yellow Plaque by Lipid Core Burden Index Assessed by Intra coronary Near infrared Spectroscopy
Presenting Author: Takashi Omatsu

4:17 PM
Discussion

4:20 PM
TCT 829: Intensity of Lipid Lowering Therapy Among Patients with Prior or New Revascularization: Insights from the GOULD Registry
Presenting Author: Benjamin Peterson

4:27 PM
Discussion

4:30 PM
TCT 830: Efficacy of PCSK9 Inhibitors on Coronary Lipid Rich Plaque Assessed by Serial Near Infrared Spectroscopy
Presenting Author: Hiroyuki Omori

4:37 PM
Discussion

4:40 PM
TCT 831: Identification of High Risk Plaques by Coronary Angiography: Confirmation of Computational Fluid Dynamics by Optical Coherence Tomography
Presenting Author: Toshiki Kuno
FRIDAY, SEPTEMBER 27, 2019
MAIN ARENA II, FRIDAY, SEPT. 27

8:00 AM - 9:30 AM
Live Cases #3
Live Case Moderators: Gregg W. Stone
Live Case Co-Moderators: Junbo Ge

8:00 AM Fu Wai Hospital Beijing China Cor
Live Case Operator: Kefei Dou, Jie Qian, Guangyuan Song, Yazid Wang, Yongjian Wu, dong yin

8:45 AM NYPH Columbia University Medical Center New York NY SHD
Live Case Operator: Vinayak N. Bapat, Isaac George, Rebecca T. Hahn, Nadira Hamid, Dimitri Karmpaliotis, Omar K. Khalique, Susheel K. Kodali, Torsten P. Vahl

9:30 AM - 10:00 AM
Main Arena Special Session on Drug-Eluting Technologies for PV Interaction
Moderators: Michael R. Jaff, Sahil A. Parikh

9:30 AM Session I. Peripheral Drug Eluting Technologies at a Crossroad
Perspective: The Case Against Ongoing Use of Drug Eluting Technologies for PAD
Lecturer: Konstantinos Katsanos

9:37 AM Perspective: The Case for Ongoing Use of Drug Eluting Technologies for PAD
Lecturer: William A. Gray

9:44 AM Moderated Panel Discussion
Lecturer: William A. Gray

10:00 AM - 10:15 AM
Innovation Award and Presentation

10:00 AM Innovation Winner
Moderator: Juan F. Granada

10:15 AM - 10:30 AM
TCT 2019 Geoffrey O. Hartzler Master Operator Award
Moderators: Martin B. Leon, Gregg W. Stone
Award Recipients: Shigeru Saito

10:30 AM - 11:30 AM
Late-Breaking Trials 2, Co-Sponsored by Journal of the American Medical Association
Moderators: Martin B. Leon, Gregg W. Stone
Discussants: Jeroen J. Bax, Philipp Blanke, Alain G. Cribier, Jonathan A. Leipsic, Michael J. Mack, Thomas Modine, Philippe Pibarat, Craig R. Smith, Dee Dee Wang, Olaf Wendler Co-Moderators: Robert O. Bonow

10:30 AM SCOPE I: A Randomized Trial of the ACURATE Neo vs. the SAPIEN 3 Bioprosthesis in Patients With Severe Aortic Stenosis
Lecturer: Jonas Lenz

10:42 AM Roundtable Discussion With Audience QA

10:50 AM PORTICO: A Randomized Trial of Portico vs. Commercially Available Transcatheter Aortic Valves in Patients With Severe Aortic Stenosis
Lecturer: Gregory P. Fontana

11:02 AM Roundtable Discussion With Audience QA

11:10 AM PARTNER 3 Low Risk Computed Tomography Substudy: Subclinical Leaflet Thrombosis in Transcatheter and Surgical Bioprosthetic Valves
Lecturer: Raj Makkar

11:22 AM Roundtable Discussion With Audience QA

11:30 AM - 12:15 PM
Live Cases #4
Live Case Moderators: Sahil A. Parikh
Live Case Co-Moderators: Ehrin J. Armstrong
Live Case Discussants: Herbert D. Aronow, Dmitriy N. Feldman, Lawrence A. Garcia, Prakash Krishnan, Tak W. Kwan, Jihad A. Mustapha, Virendra I. Patel, Peter A. Schneider, Christopher J. White, Thomas Zeller

11:30 AM OhioHealth Riverside Methodist Hospital Columbus OH Endo
Live Case Operator: Gary M. Ansel, Charles F. Botti, Jr., Christopher Huff, Michael Jolly, John Phillips, Mitchell J. Silver

12:15 PM - 1:15 PM
Late-Breaking Science 2, Co-Sponsored by European Heart Journal
Moderators: Thomas F. Luschker
Discussants: Blase A. Carabello, Alaide Chieffo, Danny Dvir, Khalil Fatouch, James S. Gamnie, Saibal Kar, Ulf Landmesser, Francesco Maisano, Chet Rihal, Jason S. Gammie, Saibal Kar, Ulf Landmesser, Francesco Maisano, Chet Rihal, Jason S.

12:15 PM Mitral Valve in Valve: 1 Year Outcomes of Transcatheter Mitral Valve Replacement for Degenerated Mitral Bioprostheses
Lecturer: Mayra Guerrero

12:25 PM Roundtable Discussion With Audience QA
LIVE CASE TRANSMISSION THEATER III, FRIDAY, SEPT. 27

**Live Case Transmission Theater III, Friday, Sept. 27**

**FRIDAY, SEPTEMBER 27, 2019**

**8:00 am - 12:00 pm**

**Live Case Theater**

**8:00 am - 9:30 am**

**Session I. Live Cases: Endovascular**


**8:00 am** Ballad Health System CVA Heart Institute Kingsport TN Live Case Operator: Mark Aziz, D. Christopher Metzger

**8:45 am** OhioHealth Riverside Methodist Hospital Columbus OH Live Case Operator: Gary M. Ansel, Charles F. Botti, Jr., Christopher Huff, Michael Jolly, John Phillips, Mitchell J. Silver

**9:30 am - 11:15 am**

**Session II. Live Cases: SHD**


**9:30 am** Fu Wai Hospital Beijing China Live Case Operator: Kefei Dou, Jie Qian, Guangyuan Song, Jiande Wang, Yongjian Wu, dong yin

**10:30 am** NYPH Columbia University Medical Center Live Case Operator: Vinayak N. Bapat, Isaac George, Rebecca T. Hahn, Nadira Hamid, Omar K. Khaliq, Susheel K. Kodali, Torsten P. Vahl

**11:15 am - 12:00 pm**

**Session III. Live Case: Endovascular**

**LIVE CASE TRANSMISSION THEATER IV, FRIDAY, SEPT. 27**

**Live Case Transmission Theater IV, Friday, Sept. 27**

**FRIDAY, SEPTEMBER 27, 2019**

**2:00 pm - 6:00 pm**

**Live Case Theater**

**2:00 pm - 4:15 pm**

**Session I. Live Cases: SHD**

**Live Case Moderators:** Mark ReismanLive Case Co-Moderators: Nir UrielLive Case Discussants: Jeroen J. Bax, Anthony DeMaria, Paolo Denti, Olaf Franzen, Hemal Gada, Kentaro Hayashida, Ulrich P. Jorde, Petr Neuzil, Brian K. Whisenant, Mathew Williams

**2:00 pm** NYPH Columbia University Medical Center New York NY Live Case Operator: Vinayak N. Bapat, Isaac George, Rebecca T. Hahn, Nadira Hamid, Omar K. Khaliq, Susheel K. Kodali, Torsten P. Vahl

**2:45 pm** McGill University Health Center Montreal Canada Live Case Operator: Nicola Piazza

**3:30 pm** Cleveland Clinic Cleveland OH Live Case Operator: Serge C. Harb, Samir R. Kapadia, Rhonda Miyasaka

**4:15 pm - 6:00 pm**

**Session II. Live Cases: LM/Bifurcation and Coronary**

**Live Case Moderators:** Giora WeiszLive Case Co-Moderators: Jean FajadetLive Case Discussants: Aloide Chieffo, Lampson Fan, Franz X. Kleber, Massoud A. Leesar, Jacek Legutko, Marie-Claude Morice, Yoshinobu Murasato, Holger M. Nef, Tullio Palmerini, Duk-Woo Park, John D. Puskas, Manel Sabate

**4:45 pm** McGill University Health Center Montreal Canada Live Case Operator: Stéphane Rinfret

**5:00 pm** Cleveland Clinic Cleveland OH Live Case Operator: Serge C. Harb, Samir R. Kapadia, Amar Krishnaswamy, Rhonda Miyasaka

**METALLIC DES PART 2: HIGH-RISK PATIENTS AND REVASCULARIZATION FAILURES**

**Metallic DES Part 2: High-risk Patients and Revascularization Failures**

**Coronary: Core**

**FRIDAY, SEPTEMBER 27, 2019**

**8:00 am - 10:00 am**

**Room 152/154**
8:08 AM - 10:00 AM
Session I: Diagnosis and Management of Coronary Revascularization Failures
Moderators: Robert A. Byrne, Stephan Windecker
Discussants: Adrian P. Banning, Creighton W. Don, Javier Escaned, Farouc A. Jaffer, Duk-Moderators: Robert A. Byrne, Stephan Windecker
Discussants: Adrian P. Banning, Creighton W. Don, Javier Escaned, Farouc A. Jaffer, Duk

8:00 AM Revascularization in Stable CAD: What Do the New ESC Guidelines 2019 Recommend
Lecturer: William C. Wijns

8:07 AM Preview From the Upcoming Ischemia Trial
Lecturer: David J. Maron

8:14 AM PCI Versus CABG in Multivessel Disease With and Without Diabetes: Latest Clinical Trial Data
Lecturer: Patrick W. Serruys

8:22 AM Elective High Risk PCI and Hemodynamic Support: Evidence Based and Experience Based Recommendations
Lecturer: Divaka Perera

8:30 AM Roundtable Discussion With Audience QA

8:38 AM - 10:00 AM
Session II: Diagnosis and Management of Coronary Revascularization Failures
Moderators: Robert A. Byrne, Stephan Windecker
Discussants: Adrian P. Banning, Creighton W. Don, Javier Escaned, Farouc A. Jaffer, Duk

8:38 AM Root Causes of Thrombosis and Restenosis With Contemporary Metallic DES: Pathologic Insights
Lecturer: Michael Joner

8:45 AM Root Causes of Thrombosis and Restenosis With Contemporary Metallic DES: Intravascular Imaging Insights
Lecturer: Giulio Guagliumi

8:52 AM Very Late Stent Failure: Frequency and Predictive Factors
Lecturer: Mahesh V. Madhavan

8:59 AM How to Treat Stent Thrombosis: A Case Based Vignettes of Different Approaches
Case Presenter: Anthony H. Gershlick

9:07 AM Flash Debate: Drug Coated Balloons are the Best Treatment for ISR and Avoids Further Stent Layers
Lecturer: Paul J.L Ong

9:12 AM Flash Debate: Repeat DES Is Most Effective Treatment for ISR and Should Be the Preferred Option
Lecturer: Jose P.S. Henriques

9:17 AM Alternative Approaches for In Stent Restenosis: Laser Brachytherapy Lithotripsy.
Lecturer: George D. Dangas

9:25 AM To Prevent Stent Failure: Optimal Device Deployment Technique Is the Key
Lecturer: Joanna J. Wykryzkowska

9:33 AM Roundtable Discussion With Audience QA

9:41 AM Acute Post Op Graft Failure: Incidence and Management
Lecturer: Mohamad Adnan Alkhouli

9:48 AM Late Coronary Bypass Graft Failure: Rational Approaches
Lecturer: Emmanouil S. Brilakis

9:55 AM Roundtable Discussion with Audience QA

9:30 AM - 10:00 AM
Session III: Clinical Issues in PFO Closure
Moderators: Thomas K. Jones, Jeffrey L. Saver
Discussants: Elliott Michael Groves, Kishore J. Harjai, Frank F. Ing, John F. Rhodes, Kolja Sievert, Zachary Steinberg

9:00 AM To Close or Not to Close the PFO: Incorporation of Patient Preferences and Shared Decision Making
Lecturer: Suzanne J. Baron

9:08 AM Is PFO Closure Only Beneficial in Large Shunts
Lecturer: Srihari S. Naidu

9:16 AM The Minimalist Approach to PFO Closure: The Toronto Experience With Fluoroscopic Guidance Alone
Lecturer: Eric Horlick

Lecturer: Xiangbin Pan

9:32 AM Complications of PFO Closure: Just the Facts Maam
INTRAVASCULAR IMAGING STENT GUIDANCE: PART 2 — THE DETAILS

Intravascular Imaging Stent Guidance: Part 2 — The Details

FRIDAY, SEPTEMBER 27, 2019
10:00 AM - 12:00 PM
Room 152/154

10:00 AM - 11:27 AM
Session I: Patient-Specific and Lesion-Specific Approaches to IVUS and OCT-Guided Stent Implantation
Moderators: Ziad A. Ali, Giulio GuagliumiDiscussants: Hector M. Garcia-Garcia, Bill D. Gogas, Jacek Legutko, Evelyn Regar, Nick E. J. West

10:00 AM
Intravascular Imaging Guided IVUS/OCT Treatment of Calcified Lesions: Step by Step
Lecturer: Jonathan M. Hill

10:10 AM
Intravascular Imaging Guided IVUS/OCT Treatment of Left Main Lesions Including LM Bifurcations: Step by Step
Lecturer: Daniel Chamie

10:20 AM
Intravascular Imaging Guided Treatment of CTOs: Application in AWE ADR and Retrograde Approaches
Lecturer: Lei Ge

10:30 AM
Treating Patients With Renal Insufficiency: Zero Contrast PCI
Lecturer: Ziad A. Ali

10:40 AM
Assessment and Treatment of ISR and Stent Thrombosis Lesions Using Intravascular Imaging IncludingNeoatherosclerosis
Lecturer: Christos Bourantas

10:50 AM
Very Late IVUS/OCT Follow Up After Stent Implantation: From Malapposition to Stent Healing
Lecturer: Yoshinobu Onuma

11:00 AM
Approach to Patients With Acute Coronary Syndromes Including SCAD and Thrombotic Lesions Using Intravascular Imaging: Does Everyone Need a Stent
Lecturer: Tej Sheth

11:10 AM
Roundtable Discussion With Audience QA

11:27 AM - 12:00 PM
Session II: Case Presentations From Former CRF Intravascular Imaging Fellows — Part 2
Moderators: John McB. Hodgson, Gary S. MintzDiscussants: Fernando Alfonso, Jingbo Hou, Ulf Landmesser, Erick Schampaert, Junya Shite, Evan Shlifmzit

11:27 AM
True Lumen Seeking After Angiography Induced RCA Occlusion in a Patient With Spontaneous Coronary Intramural Hematoma

TAVR TECHNOLOGY AND ASSOCIATED DEVICES

TAVR Technology and Associated Devices

FRIDAY, SEPTEMBER 27, 2019
10:00 AM - 12:28 PM
Room 155/157

10:00 AM - 11:00 AM
Session I: Technology Forum, Part 1 — New TAVR Systems
Moderators: Michael J. Reardon, John G. WebbDiscussants: Dean J. Kereiakes, Ganesh Manoharan, Thomas Pilgrim, Didier Tchetche, Vinod H. Thourani, Stephen G. G. Worthley

10:00 AM
The TAVR NEXT Comers: Snapshots

10:08 AM
Program Update: The ACURATE NEO TAVR System
Lecturer: Colin M. Barker

10:16 AM
Program Update: The PORTICO TAVR System
Lecturer: Gregory P. Fontana

10:24 AM
Roundtable Discussion with Audience QA
Lecturer: Gregory P. Fontana

10:30 AM
The TAVR NEW Comers: Snapshots

10:36 AM
The Self Expanding Single Operator CENTERA TAVR System
Lecturer: Markus Albert Kasel

10:42 AM
The Venus A and A Plus TAVR System
Lecturer: Hendrik Treede
10:48 AM  The Repositionable and Retrievable HLT Meridian TAVR System
Lecturer: Mathew Williams

10:54 AM  Roundtable Discussion with Audience QA
Lecturer: Mathew Williams

11:00 AM - 12:28 PM  Session II: Technology Forum, Part 2 — Access and Closure Alternatives, Innovation Gone Wild
Moderators: Adam B. Greenbaum, Azeem Latib
Discussants: Yaron Almagor, Saif Anwaruddin, Kendra J. Grubb, Jean-Claude Laborde, Helge Möllmann, Tamim M. Nazif

11:00 AM  When Transfemoral Is NOT an Option for TAVR I Prefer...
11:08 AM  Percutaneous Transaxillary TAVR: A Brief Tutorial
Lecturer: Amir Kaki

11:16 AM  Open Transcarotid TAVR: A Brief Tutorial
Lecturer: Keith B. Allen

11:24 AM  Roundtable Discussion with Audience QA
Lecturer: Keith B. Allen

11:28 AM  Novel Large Hole Access Closure Devices
11:33 AM  Large Hole Transfemoral Closure II: The InSeal Device
Lecturer: Ron Kornowski

11:46 AM  Roundtable Discussion with Audience QA
Lecturer: David A. Wood

11:50 AM  Innovation Gone Wild
11:58 AM  Roundtable Discussion with Audience QA
Lecturer: Tamim M. Nazif

12:00 PM  A Novel Pre Shaped LV Pacing Guidewire for TAVR
Lecturer: John G. Webb

12:08 PM  The Pi Cardia Leaflex Aortic Valve Remodeling System
Lecturer: Philippe Genereux

12:16 PM  Roundtable Discussion with Audience QA
Lecturer: Philippe Genereux

12:18 PM  The Bay Labs AIDL Point of Care Echo Acquisition and Interpretation System
Lecturer: Randolph P. Martin

12:26 PM  Roundtable Discussion with Audience QA
Lecturer: Randolph P. Martin

LEFT ATRIAL APPENDAGE CLOSURE, PART 2: UNANSWERED QUESTIONS, FUTURE DIRECTIONS

2:00 PM - 3:45 PM  Session I: Issues After LAA Closure
Moderators: Martin W. Bergmann, Saibal Kar
Discussants: Steven L. Almany, Andrew Michael Goldsweig, Reda Ibrahim, Petr Kala, Ramon Quesada, Teguh Santosо

2:00 PM  Device Related Thrombus: Mechanisms Management and Implications for Device Design
Lecturer: Josep Rodés-Cabau

2:08 PM  Critical Appraisal of Post LAA Closure Pharmacology and DRT
Lecturer: Martin W. Bergmann

2:16 PM  Optimal Timing for Surveillance Imaging After LAAC
Lecturer: Vivek Y. Reddy

2:24 PM  Residual Leak and Ischemic Stroke After LAA Closure: Whether to Close and if So How
Lecturer: George S. Hanzel, Jacqueline Saw

2:32 PM  Roundtable Discussion With Audience QA

2:45 PM - 3:45 PM  Session II: LAA Closure — Device Selection
Moderators: Jacqueline Saw, Robert J. Sommer
Discussants: Philippe Garot, Elliott Michael Groves, Hüseyin Ince, Issam D. Moussa, Apostolos Tzikas, Dee Dee Wang

2:45 PM  Keynote Lecture: The Spectrum of LAA Closure Technology Current and Emerging Devices
Lecturer: Horst Sievert

3:00 PM  Case Based Device Selection: Matching the Device With the Anatomy
Lecturer: Reda Ibrahim

3:10 PM  Roundtable Discussion With Audience QA

3:20 PM  Utility of CT for Pre Procedural Planning and Device Selection
Lecturer: Michael Rinaldi

3:27 PM  ICE Guidance as the Primary Strategy for LAA Closure: Technique and Data
Lecturer: Mohamad Adnan Alkhouli

3:34 PM  Roundtable Discussion With Audience QA
Antithrombotic Therapy in Patients With Atrial Fibrillation Undergoing PCI
Moderators: Dominick J. Angiolillo, Renato D. Lopes
Discussants: Dmitriy N. Feldman, Christopher B. Granger, Roxana Mehran, Matthew J. Price, Marco Valgimigli, Robert C. Welsh

2:00 PM - 3:04 PM
Debate: Dual Therapy OACSAPT Should Be the Default Therapy at Discharge in Most Patients
2:00 PM Pro: Dual Therapy OACSAPT Should Be the Default Therapy at Discharge in Most Patients
Lecturer: Renato D. Lopes
2:08 PM Con: Beware of Ischemic Complications Not Ready to Drop DAPT Yet
Lecturer: Robert A. Byrne

2:16 PM PCI in Patients Requiring OAC: Which OAC and in Whom
Lecturer: Christopher B. Granger
2:24 PM AFib Patients at High Ischemic Risk Post PCI: Role of Triple Therapy or Potent P2Y12 Inhibition
Lecturer: Renato D. Lopes
2:32 PM When and How to Switch to OAC Alone After PCI
Reversal Strategies for Warfarin and NOACs: The Essentials
Lecturer: Teresa L. Carman
2:48 PM Roundtable Discussion With Audience QA

3:04 PM - 4:00 PM
Noncardiac Surgery Post-PCI: A Practical Approach
Moderators: Roberta Rossini, Freek Verheugt
Discussants: Faisal Bakaeen, Otavio Berwanger, Mark B. Effron, Mary Hawn, Rafael Honikman, Matthew Levin

3:04 PM Case Introduction: A Patient Requiring Urgent Noncardiac Surgery After Recent Stent Implantation
Case Presenter: Giulio Stefani
3:07 PM Perioperative Antiplatelet Management: What Do the Guidelines Say
Lecturer: Subhash Banerjee
3:15 PM Atherothrombotic Events After Noncardiac Surgery: What's Driving the Risk and When Do They Occur
Lecturer: Roberta Rossini
3:23 PM Noncardiac Surgery in ACS and After PCI: Role of Bridging and Timing to Restart Antiplatelet Therapy
Lecturer: Dominick J. Angiolillo
3:31 PM Is Troponin Elevation After Noncardiac Surgery an Indication to Antithrombotic Treatment

3:39 PM Case Resolution: How I Treated a Patient Requiring Urgent Noncardiac Surgery After Recent Stent Implantation
Case Presenter: Giulio Stefani
3:44 PM Roundtable Discussion With Audience QA

TAVR Special Situations (VIV, Bicuspid, AR, Low-Flow, Other)

2:00 PM - 3:04 PM
Session I: TAVR “Real-World Complex Case Scenarios” — Clinical Corner
Moderators: Keith B. Allen, Raj Makkar
Discussants: Philipp Blanke, Bruce Bowers, Mao Chen, Charles J. Davidson, Hasan Jilaihawi, Fayaz Shawl

2:00 PM TAVR and Concomitant Atrial Fibrillation: Case Presentation
Case Presenter: Fabian Nietlispach
2:07 PM Roundtable Discussion With Audience QA
2:10 PM Extreme Aortic Valve Complex Calcification Creating High Risk for TAVR Complications Rupture or PVR: Case Presentation and Procedural Decision Making
2:17 PM Roundtable Discussion With Audience QA
2:20 PM TAVR for Bioprosthetic Aortic Valve Failure 1: To Crack or Not to Crack Case Presentation and Update on the Role of Fracturing Bioprosthetic Valves During VIV Procedures
Lecturer: Adnan K. Chhatriwalla
2:27 PM Roundtable Discussion With Audience QA
2:30 PM TAVR for Bioprosthetic Aortic Valve Failure 2: To Split or Not to Split Case Presentation and Update on the Role of BASILICA to Reduce the Risk of Coronary Obstruction During VIV Procedures
Lecturer: Adam B. Greenbaum
2:37 PM Roundtable Discussion With Audience QA

2:40 PM - 3:40 PM
Session II: The Best of the Rest — TAVR Controversies and Debates
Moderators: Martin B. Leon, Craig R. Smith

2:40 PM PointCounterpoint: Provocative Views 1 Minimalist TAVR Gone Viral
Minimalist TAVR for Everyone: Safe Efficient and Cost Effective  
Lecturer: David A. Wood

Minimalism Yes. Rapid Ambulation and Discharge Yes But GA and TEE to Optimize Outcomes in Selected Cases  
Lecturer: Philippe Genereux

Roundtable Discussion With Audience QA  
Lecturer: Philippe Genereux

2:40 PM  
2:45 PM  
2:50 PM

2:00 PM - 3:02 PM  
Session I: LM Bifurcation PCI — When?  
Moderators: Marie-Claude Morice, David G. Rizik  

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PULMONARY HYPERTENSION AND ACUTE AND CHRONIC PULMONARY EMBOLI THERAPIES: PART 2

STEMI, CARDIAC ARREST, AND CARDIOGENIC SHOCK: PART 2
4:00 PM - 5:00 PM
Session III: Cardiogenic Shock — Are We Making Progress?
Moderators: Arthur Garan, Thomas F. Luscher
Discussants: Carla Agatiello, David A. Baran, Mir Babar Basir, Francisco Fernandez-Aviles, Vijay Kunadian, Alexander George Truesdell

4:00 PM  Acute Cardiogenic Shock: The Number One Unresolved Challenge in Cardiovascular Disease
Lecturer: William W. O'Neill

4:08 PM  Classification Schemes for Cardiogenic Shock
Lecturer: Amir Lotfi

4:15 PM  Mechanical Support in Acute Cardiogenic Shock: State of the Evidence and Future Directions
Lecturer: E. Magnus Ohman

4:23 PM  While Awaiting More Clinical Trial Data: Real World Approaches to Cardiogenic Shock and Hemodynamic Support
Lecturer: Alexander George Truesdell

4:31 PM  The Case for Left and Right Sided Impella in Acute Cardiogenic Shock
Lecturer: Nima Aghili

4:39 PM  The Case for ECMO in Acute Cardiogenic Shock
Lecturer: Daniela Trabattoni

4:46 PM  Roundtable Discussion With Audience QA

5:00 PM - 6:00 PM
Session IV: Cardiac Arrest
Moderators: David A. Morrow
Discussants: Larry Alexander Allen, Sonya Burgess, Haval Chweich, Christian M. Spaulding, Sean Van Diepen, Niels van Royen

5:00 PM  The Relationship Between Cardiogenic Shock and Cardiac Arrest
Lecturer: Timothy D. Henry

5:07 PM  Management Strategies in Cardiac Arrest With ROSC With or Without Coma: Hypothermia Cath Decisions and More
Lecturer: Niels van Royen

5:17 PM  Management Strategies in Cardiogenic Shock Without ROSC: Heroic or Conservative
Lecturer: Demetris Yannopoulos

5:24 PM  Roundtable Discussion With Audience QA

5:30 PM  Out on a Limb: Vascular Access Management With ECMO and Impella
Lecturer: Farouc A. Jaffer

5:37 PM  Defining Futility in Cardiogenic Shock: When to Say Enough
Lecturer: David A. Morrow

5:44 PM  Case Presentation: Intraprocedural Arrest During Primary PCI
Case Presenter: Srihari S. Naidu

5:51 PM  Roundtable Discussion With Audience QA

TRANSCATHETER MITRAL VALVE REPAIR – BEYOND THE MITRACLIP

4:00 PM - 6:10 PM
Transcatheter Mitral Valve Repair – Beyond the MitraClip

4:00 PM - 4:27 PM
Session I: From Surgery to Transseptal Techniques
Moderators: Scott Lim, Francesco Maisano
Discussants: David H. Adams, Patrick M. McCarthy, Thomas Modine, Nishtha Sodhi, Molly Szerlip, Didier Tchetche

4:00 PM  Surgical Mitral Valve Repair State of the Art: How Can TMVR Compete With DMR And FMR Is There Still a Role for Surgery
Lecturer: Anelechi Anyanwu

4:10 PM  Transseptal Puncture for TMVR: Approaches for Simple and Complex Cases
Lecturer: Steven J. Yakubov

4:16 PM  New Transseptal Technology
Lecturer: Anita Asgar

4:22 PM  Roundtable Discussion With Audience QA

4:27 PM - 5:12 PM
Session II: Emerging TMVR Devices — Part 1: Leaflet Technologies and Chordal Replacement
Moderators: Scott Lim, Francesco Maisano
Discussants: David H. Adams, Patrick M. McCarthy, Thomas Modine, Nishtha Sodhi, Molly Szerlip, Didier Tchetche

4:27 PM  Leaflet Technologies and Chordal Replacement: Surgical Lessons Learned
Lecturer: Marc Gillinov

4:33 PM  Leaflet Technologies I: Pascal Device Description Results and Ongoing Studies
Lecturer: Scott Lim

4:40 PM  Leaflet Technologies II: MitraStitch and Valve Clamp Device Description Results and Ongoing Studies
Lecturer: Mao Chen

4:45 PM  Roundtable Discussion With Audience QA

4:51 PM  Chordal Replacement Transapical: Neochord and Harpoon Device Description Results and Ongoing Studies
Lecturer: James S. Gammie

4:59 PM  Chordal Replacement Transseptal: Pipeline Chordart and CardioMech Device Description Results and Ongoing Studies
Lecturer: Gorav Ailawadi

5:06 PM Roundtable Discussion With Audience QA

5:12 PM - 6:10 PM Session III: Emerging TMVR Devices — Part 2: Annuloplasty and Others
Moderators: Mark Reisman, Joachim Schofer
Discussants: Steven F. Bolling, Creighton W. Don, Karl-Heinz Kuck, Georg Nickenig, Josep Rodés-Cabau, Jason H. Rogers

5:12 PM Annuloplasty: Surgical Lessons Learned
Lecturer: Patrick M. McCarthy

5:17 PM Direct Annuloplasty: Cardioband and Millipede Device Description Results and Ongoing Studies
Lecturer: Brian K. Whisenant

5:24 PM Basal Ventriculoplasty: Ancora Device Description Results and Ongoing Studies
Lecturer: Kendra J. Grubb

5:31 PM Indirect Annuloplasty: Carillon Device Description Results and Ongoing Studies
Lecturer: Horst Sievert

5:38 PM Indirect Annuloplasty: ARTO Device Description Results and Ongoing Studies
Lecturer: Robert J. Lederman

5:51 PM Posterior Leaflet Repair and Replacement: Polares and Sutra Device Description Results and Ongoing Studies
Lecturer: Jason H. Rogers

5:57 PM Roundtable Discussion With Audience QA

TCT INNOVATION V. KEYNOTE INNOVATION INTERVENTIONAL STUDIES

TCT Innovation V. Keynote Innovation Interventional Studies
Innovation

FRIDAY, SEPTEMBER 27, 2019
8:00 AM - 12:00 NOON
Innovation & Keynote Theater

8:00 AM - 8:47 AM Session XV: Interventional Heart Failure and Hypertension Therapies
Moderators: Daniel Burkhoff, Nir Uriel
Discussants: Michael Jonas, Ulrich P. Jorde, Susan M. Joseph, JoAnn Lindenfeld, Felix Mahfoud, Clyde W. Yancy

8:00 AM Levoatrial To Coronary Sinus Shunting As A Novel Strategy For Symptomatic Heart Failure: First In Human Experience
Lecturer: Trevor Simard

8:07 AM Rapid Fire QA

8:10 AM Endovascular Renal Sympathetic Denervation To Improve Heart Failure With Reduced Ejection Fraction: The IMPROVE HF I Study
Lecturer: Joost Daemen

8:17 AM Rapid Fire QA

8:20 AM External Support of the Cardiac Base Addresses Functional Mitral Regurgitation: Results of the BACE CE Mark Trial
Lecturer: Iai Raman

8:27 AM Rapid Fire QA

8:30 AM Alcohol Mediated Renal Denervation: One Year and Final Results from the Peregrine Post Market Study
Lecturer: Felix Mahfoud

8:37 AM Moderated Discussion

8:47 AM - 9:34 AM Session II. Emerging Drug Coated Balloon Technologies
Moderators: Bruno Scheller, Pieter R. Stella
Discussants: Robert M. Bersin, Bernardo Cortese, Jose de Ribamar Costa Jr, Sudhir Rathore, Bo Xu

8:47 AM Absence Of Risk Of Death After Coroanary Paclitaxel Coated Balloons: Systematic Review And Meta Analysis Of Randomized Trials
Lecturer: Bruno Scheller

8:54 AM Rapid Fire QA

8:57 AM Clinical Outcome At 6 Months Between Paclitaxel Coated Balloon Versus Sirolimus Coated Balloon In De Novo Coronary Lesions
Lecturer: Sandeep Basavarajaiah

9:04 AM Rapid Fire QA

9:07 AM EASTBOURNE Registry: 1 Year Follow Up Of A Broad Population Treated With A Sirolimus Coated Balloon For Coronary Artery Disease
Lecturer: Bernardo Cortese

9:14 AM Rapid Fire QA

9:17 AM SELUTION SLR: A Sustained Limus Release Drug Eluting Balloon: First Human Data From A Multicenter Coronary Trial
Lecturer: Stefan Verheye

9:24 AM Moderated Discussion

9:34 AM - 10:30 AM Session XVI: DES and Other Emerging Coronary Technologies
Moderators: Grzegorz L. Kaluza, John A. Ormiston
Discussants: Kenneth Chin, Donald Cutlip, Suzanne de Waha-Thiele, J. Aaron Grantham

9:34 AM One Year Clinical Outcomes of Worlds Thinnest 50 microns Biodegradable Polymer Coated Everolimus Eluting Coronary Stent in Patients with Coronary Artery Disease
Lecturer: K. Sivaprasad

9:41 AM One Year Clinical Results Of Real Life Registry Of Angiolite Cobalt Chromium Sirolimus Eluting Stent Rango Registry
Lecturer: Armando Perez de Prado

9:48 AM DynamX Bioadaptor An Innovative Device That Adapts To Patients Physiology For PCI Treatment Of Coronary Artery Disease 12 Month Clinical And Imaging Results
Lecturer: Stefan Verheye

9:55 AM Moderated Discussion
HIGH-IMPACT CLINICAL RESEARCH I:
PERIPHERAL ARTERIAL DISEASE AND DRUG-COATED BALLOONS

High-Impact Clinical Research I: Peripheral Arterial Disease and Drug-Coated Balloons

FRIDAY, SEPTEMBER 27, 2019
2:00 PM - 3:00 PM
Innovation & Keynote Theater

2:00 PM
Periperal Arterial Disease and Drug-Coated Balloons
Moderators: Kenneth Ouriel, Bruno Scheller
Discussants: Fernando Afonso, S. Elissa Altin, Ehrin J. Armstrong, Robert M. Bersin, Peter A. Schneider

2:00 PM
Long Term Safety of Drug Coated Devices for Femoropopliteal Artery Revascularization: Updated Analysis of Medicare Beneficiary Data
Lecturer: Eric A. Secemsky

2:15 PM
LUTONIX BTK Diabetes: Outcomes From a Randomized Trial of a Drug Coated Balloon vs. Standard Angioplasty in Diabetic Patients With Below the Knee Disease
Lecturer: Joseph Giorgianni

2:25 PM
Roundtable Discussion With Audience QA

2:30 PM
TOBA III: 1 Year Outcomes From a Single Arm Study of Focal Dissection Repair After Drug Coated Balloon Angioplasty of Superficial Femoral And Proximal Popliteal Arteries
Lecturer: Marianne Brodmann

2:40 PM
Roundtable Discussion With Audience QA

2:45 PM
PICCOLETO II: 6 Month Clinical and Angiographic Findings From a Randomized Trial of Drug Coated Balloons vs. Drug Eluting Stents for Treatment of Small Vessel Coronary Artery Disease
Lecturer: Bernardo Cortese

2:55 PM
Roundtable Discussion With Audience QA

HIGH-IMPACT CLINICAL RESEARCH II:
MANAGEMENT OF CARDIOGENIC SHOCK

High-Impact Clinical Research II: Management of Cardiogenic Shock

FRIDAY, SEPTEMBER 27, 2019
3:00 PM - 4:00 PM
Innovation & Keynote Theater

3:00 PM
MANAGEMENT OF CARDIOGENIC SHOCK
Moderators: Kenneth Ouriel, Bruno Scheller
Discussants: Fernando Afonso, S. Elissa Altin, Ehrin J. Armstrong, Robert M. Bersin, Peter A. Schneider

3:00 PM
Impact Clinical Research II: Management of Cardiogenic Shock

3:00 PM
Roundtable Discussion With Audience QA
Management of Cardiogenic Shock
Moderators: Jeffrey W. Moses, Manesh R. Patel
Discussants: Cindy L. Grines, Biswajit Kar, Arasi Maran, James M. McCabe, Holger Thiele

3:00 PM Management of Cardiogenic Shock
3:00 PM Shock Prognosis: Validation of the SCAI Cardiogenic Shock Classification
Lecturer: Dirk Westermann
3:10 PM Roundtable Discussion With Audience QA
3:15 PM Impact of Right Ventricular Dysfunction in Acute Myocardial Infarction Complicated by Cardiogenic Shock
Lecturer: Mir Babar Basir
3:25 PM Roundtable Discussion With Audience QA
3:30 PM Multivessel Intervention in Shock: Validation of the CULPRIT SHOCK Trial Outcomes in a National Myocardial Infarction Registry
Lecturer: Wojtek Wojakowski
3:40 PM Roundtable Discussion With Audience QA
Lecturer: Ankur Kalra

HIGH-IMPACT CLINICAL RESEARCH III: PHARMACOTHERAPY STRATEGIES AND CALCIFIED LESIONS

High-Impact Clinical Research III: Pharmacotherapy Strategies and Calcified Lesions

FRIDAY, SEPTEMBER 27, 2019
4:00 PM - 5:00 PM
Innovation & Keynote Theater

4:00 PM Pharmacotherapy Strategies and Calcified Lesions
Moderators: Daniel I. Simon
Discussants: Bagrat Alekyan, Dimitrios Alexopoulos, Efrain Gaxiola, Jeff Marshall, Duane S. Pinto, Anu Tunuguntla

4:00 PM GLOBAL LEADERS: Ticagrelor Monotherapy vs. DAPT After PCI in TWILIGHT Like Patients
Lecturer: Yoshinobu Onuma

4:10 PM Roundtable Discussion With Audience QA

4:15 PM SECURE PCI: 1 Year Outcomes From a Randomized Trial of a Loading Dose of Atorvastatin in Patients With ACS and Planned PCI
Lecturer: Otavio Berwanger

4:25 PM Roundtable Discussion With Audience QA

4:30 PM TIRATROP: A Double Blind Randomized Trial of Ticagrelor in Patients Undergoing High Speed Rotational Atherectomy
Lecturer: Thibault Lhermusier

FDA TOWN HALL MEETING PART 2: HOT TOPICS

FDA Town Hall Meeting Part 2: Hot Topics
FRIDAY, SEPTEMBER 27, 2019
2:00 PM - 5:45 PM
Room 205-206

2:00 PM - 2:49 PM
Session I. Addressing the Need for Heart Failure Devices: Regulatory, Clinical, and Industry Challenges
Moderators: Nicole Ibrahim, JoAnn Lindenfeld
Discussants: William T. Abraham, Lori M. Ashby, Lauren S. Baker, Daniel Burkhoff, Mona Fiuszt, Navin K. Kapur, Christopher O’Connor, Ileana L. Pina

2:00 PM Devices for Heart Failure: FDA Perspectives on Trial Designs and Endpoints
Lecturer: Bram D. Zuckerman

2:07 PM ARC Initiative for Heart Failure and Shock: HF ARC Shock ARC and More
Lecturer: Christopher O’Connor

2:14 PM Industry View on Controlled Trials for Heart Failure and Shock Devices
Lecturer: William T. Abraham

2:22 PM Perspectives on Infarct Size as a Surrogate in STEMI
Lecturer: Navin K. Kapur

2:29 PM Roundtable Discussion with Audience QA

2:49 PM - 3:39 PM
Session II. Device Treatment for Shock: Regulatory, Clinical, and Industry Challenges
Moderators: Fernando Aguel, William W. O’Neill
Discussants: Lori M. Ashby, Lauren S. Baker, Noam Josephy, Robert L. Kormos, Michael Mooney, Holger Thiele

2:49 PM Devices to Treat Shock: Regulatory Perspectives
Lecturer: Fernando Aguel

2:56 PM Industry Perspectives on Controlled Trials for Shock Devices
Lecturer: Noam Josephy

3:03 PM Designing Controlled Trials for Shock Devices: Population Targets and Safety and Effectiveness Considerations
Lecturer: Anthony H. Gershlick

3:11 PM Reimbursement Pathways for Shock Devices
Lecturer: Lori M. Ashby

3:19 PM Roundtable Discussion with Audience QA
Session III. High Bleeding Risk Patients: Trial Designs for Novel Stents and Shortened DAPT Duration

3:39 PM Defining High Bleeding Risk: HBR ARC
Lecturer: Philip M. Urban

3:46 PM Regulatory Considerations for High Bleeding Risk Patients Undergoing PCI
Lecturer: Adrian Magee

3:53 PM Roundtable Discussion With Audience QA

4:13 PM - 5:02 PM Session IV. Mitral Repair/Replacement Devices: Evolving Regulatory Considerations

4:13 PM Pivotal Transcatheter FMR Device Trials: Future Perspectives One Year After COAPT and MITRA FR
Lecturer: Gregg W. Stone

4:21 PM Transcatheter Mitral Valve Repair and Replacement Pivotal Trials: Industry Perspectives
Lecturer: Ted E. Feldman

4:28 PM Transcatheter Mitral Valve Repair and Replacement Pivotal Trials: Regulatory Considerations
Lecturer: Changfu Wu

4:35 PM Transcatheter Mitral Valve Repair and Replacement Devices: Reimbursement Considerations
Lecturer: Lori M. Ashby

4:42 PM Roundtable Discussion With Audience QA

5:02 PM - 5:45 PM Session V. New Applications for TAVR: Controversies in Approval Pathways

5:02 PM Regulatory Considerations for New Valves and Adjunctive Devices
Lecturer: Jennifer Bastijanic

5:10 PM TAVR for Bicuspid Aortic Stenosis: What Is Known and What Is Not
Lecturer: Michael J. Mack

5:17 PM TAVR for Aortic Regurgitation: Clinical Device Evaluation Considerations
Lecturer: Vinod H. Thourani

5:24 PM Roundtable Discussion with Audience QA

CATH LAB RADIATION MANAGEMENT: IN REMEMBRANCE OF CHARLES CHAMBERS

Cath Lab Radiation Management: In Remembrance of Charles Chambers
Coronary: Core

FRIDAY, SEPTEMBER 27, 2019
12:15 PM - 1:45 PM
Room 203

12:15 PM - 1:45 PM Agenda

12:15 PM Introduction and Basics
Lecturer: Stephen Balter

12:25 PM Physician Safety and Emerging Technology Solutions
Lecturer: James A. Goldstein

12:35 PM Patient and Staff Safety Considerations
Lecturer: Kristin Bottone, Cynthia Wilson

12:45 PM Minimizing Patient Radiation Exposure
Lecturer: Sanjog Kalra

12:55 PM Roundtable Discussion With Audience QA

1:05 PM VA Healthcare Failure Mode Effect Analysis
Lecturer: Edwin M. Leidholdt, Jr.

1:15 PM Patient Radiation Tracking and Results
Lecturer: Madan M. Rehani

1:25 PM JC Fluoro Requirements
Lecturer: Stephen Balter

1:30 PM Roundtable Discussion With Audience QA

CLINICAL TRIAL DESIGN, STATISTICS, AND LITERATURE INTERPRETATION: THE EVIDENCE-BASED MEDICINE EXPERT — PART 1

Clinical Trial Design, Statistics, and Literature Interpretation: The Evidence-Based Medicine Expert — Part 1
Coronary: Core

FRIDAY, SEPTEMBER 27, 2019
12:15 PM - 1:45 PM
Room 201-202

12:15 PM - 1:45 PM Clinical Trial Design, Statistics, and Literature Interpretation: The Evidence-Based Medicine Expert

12:15 PM Alternatives to Intention to Treat Analysis: Can They Be Trusted
DETECTION AND TREATMENT OF VULNERABLE PLAQUES AND VULNERABLE PATIENTS: ARE WE THERE YET?

Detection and Treatment of Vulnerable Plaques and Vulnerable Patients: Are We There Yet?

Coronary: Core

DIABETIC DEBATES: REVASCULARIZATION AND MEDICAL THERAPIES

Diabetic Debates: Revascularization and Medical Therapies

Coronary: Core
The Case for PCI in Most
Lecturer: Sripal Bangalore

Roundtable Discussion With Audience QA

Debate 2: Stent Choice in the Diabetic Patient
Most Contemporary DES Will Provide Similar Outcomes
Lecturer: Davide Capodanno

Some Stents Are More Equal Than Others e.g. Ultra Thin
Lecturer: David E. Kandzari

Debate 2: Stent Choice in the Diabetic Patient
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Lecturer: Davide Capodanno

Some Stents Are More Equal Than Others e.g. Ultra Thin
Lecturer: David E. Kandzari

Debate 3: Pharmacology in the Post Stent Diabetic Patient

The Case for Long Term 1 Year DAPT
Lecturer: Usman Baber

The Case for Short Term 1 6 Months DAPT
Lecturer: Anand Prasad

Dont Forget Anticoagulant Therapy
Lecturer: Sanjit S. Jolly

Debate 3: Pharmacology in the Post Stent Diabetic Patient

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Lecturer: Usman Baber

The Case for Short Term 1 6 Months DAPT
Lecturer: Anand Prasad

Dont Forget Anticoagulant Therapy
Lecturer: Sanjit S. Jolly

Debate 4: Who Should Direct the Management of the Diabetic Patient With CAD

The Cardiologist Should Play a Major Role in Diabetes Management
Lecturer: Matthew Cavender

Leave It to the Endocrinologist
Lecturer: Sonya Burgess

Debate 4: Who Should Direct the Management of the Diabetic Patient With CAD

The Cardiologist Should Play a Major Role in Diabetes Management
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Leave It to the Endocrinologist
Lecturer: Sonya Burgess

Closing Remarks
Lecturer: Jay S. Giri

Natural History of Asymptomatic Penetrating Aortic Ulcers and Intramural Hematomas of the Thoracic Aorta: When to Treat
Lecturer: Gilbert R. Upchurch

Newest Cerebral Protection Devices for TEVAR And TAVR
Lecturer: Jeffrey P. Carpenter

TEVAR as an All Percutaneous Approach Under Local Anesthesia: Tricks and Strategies
Lecturer: Zvonimir Krajcer

New Developments in the Management of Acute Uncomplicated TBAD
Lecturer: Virendra I. Patel

Mid Term Comparison of Fenestrated vs Parallel Grafts for the Treatment of Juxtarenal Suprarenal and Thoracoabdominal Aneurysms
Lecturer: James F. McKinsey

Role of 3D Fusion Imaging and Guidance for Complicated Aortic Reconstructions
Lecturer: Gregory Piazza

Catheter Directed Thrombolysis for Submassive Acute PE: The New Standard
Lecturer: Keith Sterling

Large Bore Thromboaspiration Is a Game Changer: The New Kid on the Block
Lecturer: Thomas M. Tu

Not So Fast: Small Bore Thromboaspiration Is All You Need
Lecturer: Michael J Rosenberg

A New Technology for Thrombolysis and Thromboectomy
Lecturer: Riyaz Bashir

PERT is the Only Way to Improve Patient Care and Change the Outcomes
Lecturer: Jay S. Giri

Roundtable Discussion With Audience QA
Lecturer: Robert A. Lookstein

TCT ENDOVASCULAR: TREATMENT OF ACUTE PULMONARY EMBOLISM

12:15 - 1:45 pm
TCT Endovascular: Treatment of Acute Pulmonary Embolism
Vascular

FRIDAY, SEPTEMBER 27, 2019
12:15 - 1:45 pm
Room 211

12:15 - 1:45 pm
Treatment of Acute Pulmonary Embolism
Moderators: Jay S. Giri, Robert A. Lookstein

12:15 pm Welcome
Lecturer: Robert A. Lookstein

12:20 pm Acute PE: Scope of the Problem

12:30 pm Catheter Directed Thrombolysis for Submassive Acute PE: The New Standard
Lecturer: Keith Sterling

12:45 pm Large Bore Thromboaspiration Is a Game Changer: The New Kid on the Block
Lecturer: Thomas M. Tu

12:55 pm Not So Fast: Small Bore Thromboaspiration Is All You Need
Lecturer: Michael J Rosenberg

1:05 pm A New Technology for Thrombolysis and Thromboectomy
Lecturer: Riyaz Bashir

1:15 pm PERT is the Only Way to Improve Patient Care and Change the Outcomes
Lecturer: Jay S. Giri

1:26 pm Roundtable Discussion With Audience QA
Lecturer: Robert A. Lookstein

1:40 pm Closing Remarks
Lecturer: Jay S. Giri
TECHNIQUES AND CASE STUDIES IN PFO CLOSURE

Techniques and Case Studies in PFO Closure
Structural: Non-Valve
FRIDAY, SEPTEMBER 27, 2019
12:15 PM - 1:45 PM
Room 207

12:15 PM - 1:45 PM
Techniques and Case Studies in PFO Closure
Moderators: John D. Carroll, Mark Reisman

12:15 PM
Case Presentation With Discussion: Your Patient Is on the Table for PFO Closure but No PFO Is Found
Case Presenter: Horst Sievert
1:11 PM
Case Presentation With Discussion: Closure of Long Tunnel PFO
Case Presenter: Mark Reisman
1:19 PM
Case Presentation With Discussion: Managing a Lipomatous Septum Secundum and Aneurysmal Septum Primum
Case Presenter: Eric Horlick
1:27 PM
Case Presentation With Discussion: Transseptal Puncture for PFO Occlusion
Case Presenter: Reda Ibrahim
1:35 PM
Roundtable Discussion With Audience QA

1:00 PM - 1:45 PM
Session II: Unique Challenges in Achieving Equity in Care and Outcomes
Moderators: Wayne B. Batchelor, Marianne Brodmann
Discussants: Mirvat Alasnag, Angeles Alonso Garcia, Quinn Capers, Ioanna Kosmidou, Amisha Patel, Celina M. Yong
1:00 PM
Minority Women Undergoing PCI: Optimizing Outcomes in the New High Risk PCI Cohort
Lecturer: Kelly C. Epps
1:10 PM
PCI in the Alaskan Native American Indian Population: Unique Challenges and Potential Solutions
## ENDOVASCULAR CARDIAC COMPLICATIONS (ECC) 2019: PREVENTION IS THE BEST TREATMENT FOR COMPLICATIONS

Endovascular Cardiac Complications (ECC) 2019: Prevention Is The Best Treatment For Complications

**FRIDAY, SEPTEMBER 27, 2019**

9:00 am - 10:30 am
Room 216

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Lecturer</th>
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<tbody>
<tr>
<td>9:00</td>
<td><strong>Introduction</strong></td>
<td>Michael Haude</td>
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<td>9:05</td>
<td><strong>Till Death Do Tear Us Apart</strong></td>
<td>Aaron Wong Sung Lung</td>
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<td>9:20</td>
<td><strong>Roundtable Discussion With Audience QA</strong></td>
<td>Purich Surunchuakorn</td>
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<td>9:45</td>
<td><strong>Unusual Situation During Transradial Intervention</strong></td>
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<td>10:00</td>
<td><strong>Roundtable Discussion With Audience QA</strong></td>
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<td>10:05</td>
<td><strong>Unexpected Shock: Where Does It Come From</strong></td>
<td>Ranjan Shetty</td>
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<td>10:25</td>
<td><strong>Conclusions and Take Home Messages</strong></td>
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## TCT INDIA SESSION

**TCT India**

**FRIDAY, SEPTEMBER 27, 2019**

4:00 pm - 5:30 pm
Room 216

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Lecturer</th>
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<tbody>
<tr>
<td>9:45</td>
<td><strong>Opening Remarks</strong></td>
<td>Pravin K. Goel, Yasha Sharma</td>
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<tr>
<td>9:50</td>
<td><strong>Session I. Coronary Complications</strong></td>
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<td>9:50</td>
<td>Stent Migration Embolisation</td>
<td>Viveka Kumar</td>
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<tr>
<td>9:57</td>
<td><strong>Discussion</strong></td>
<td>Viveka Kumar</td>
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<tr>
<td>10:00</td>
<td>Coronary Aneurysms Post DES Traumatic</td>
<td>Subhash Chandra</td>
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<td>10:07</td>
<td><strong>Discussion</strong></td>
<td>Subhash Chandra</td>
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<td>10:10</td>
<td>Coronary Perforation Tamponade</td>
<td>Pravin Agarwal</td>
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<td>10:17</td>
<td><strong>Discussion</strong></td>
<td>Pravin Agarwal</td>
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<td>10:32</td>
<td><strong>Session II. Structural Heart Intervention Complications</strong></td>
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<tr>
<td>10:32</td>
<td>My Worst TAVR Complication</td>
<td>Pravin K. Goel</td>
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<tr>
<td>10:39</td>
<td><strong>Discussion</strong></td>
<td>Pravin K. Goel</td>
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<td>10:42</td>
<td>My Repair Techniques Mitra Clip Complications How to Avoid Them With Case EGS</td>
<td>Pravin K. Goel</td>
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<td>10:49</td>
<td><strong>Discussion</strong></td>
<td>Pravin K. Goel</td>
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<tr>
<td>10:52</td>
<td>LAAO Complications Tips to Avoid Them With Case EGS</td>
<td>Ranjan Shetty</td>
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<tr>
<td>10:59</td>
<td><strong>Discussion Concluding Remarks</strong></td>
<td>Ranjan Shetty</td>
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INTERNATIONAL COMPLEX CASE SESSION IV: CORONARY THROMBUS MANAGEMENT AND OTHER SPECIAL PCI SITUATIONS

INTERNATIONAL COMPLEX CASE SESSION V: FEATURED COMPLEX CORONARY CASES

INTRODUCTION

INTRODUCTION
**International Complex Case Session V: Featured Complex Coronary Cases**

**FRIDAY, SEPTEMBER 27, 2019**

2:30 PM - 4:00 PM
Presentation Theater 1

**Featured Complex Coronary Cases**

Moderators: Mirvat Alasnag, Mohamed Ahmed Sobhy
Discussants: Roberto Botelho, Alejandro Cherro, Christos Christou, Dan Eugen Deleanu, Sherif Mohamed Fayek ElTobgi, Viliam Fridrich

- **2:30 PM**
  - Introduction
    - Lecturer: Mohamed Ahmed Sobhy

- **2:35 PM**
  - Bangladesh Presents: LAD Ostial PCI by an Innovative Technique
    - Case Presenter: Aftaur Rahman

- **2:45 PM**
  - Roundtable Discussion With Audience QA

- **2:50 PM**
  - Bulgaria Presents: Complete Revascularization in Patient With Complex Coronary Artery Disease
    - Case Presenter: Valery Gelev

- **3:00 PM**
  - Roundtable Discussion With Audience QA

- **3:05 PM**
  - Germany Presents: Complex Retrograde Recanalization of a Chronic Total Occluded Proximal LAD
    - Case Presenter: Julia Seeger

- **3:15 PM**
  - Roundtable Discussion With Audience QA

- **3:20 PM**
  - South Africa Presents: Complex Triple Vessel Disease Treated by Rotablator and Staged Intervention
    - Case Presenter: Graham A. Cassel

- **3:30 PM**
  - Roundtable Discussion With Audience QA

- **3:35 PM**
  - Tunisia Presents: An Unusual Etiology of Stent Thrombosis
    - Case Presenter: Habib Gamra

- **3:45 PM**
  - Roundtable Discussion With Audience QA

- **3:50 PM**
  - Final Thoughts
    - Lecturer: Mirvat Alasnag

**INTERNATIONAL COMPLEX CASE SESSION VI: FEATURED COMPLEX CORONARY CASES**

**FRIDAY, SEPTEMBER 27, 2019**

4:00 PM - 5:30 PM
Presentation Theater 1

**Featured Complex Coronary Cases**

Moderators: Rabin dra Nath Chakraborty, Jorge Cortes Lawrenz
Discussants: Robert Botelho, Alejandro Cherro, Christos Christou, Dan Eugen Deleanu, Sherif Mohamed Fayek ElTobgi, Viliam Fridrich

- **4:00 PM**
  - Introduction
    - Lecturer: Rabin dra Nath Chakraborty

- **4:05 PM**
  - Taiwan Presents: Re Wipe the RCA CTO
    - Case Presenter: Jun-Jack Cheng

- **4:15 PM**
  - Roundtable Discussion With Audience QA

- **4:20 PM**
  - Germany Presents: A Protected Complex Left Main Using the Impella Device
    - Case Presenter: Julia Seeger

- **4:30 PM**
  - Roundtable Discussion With Audience QA

- **4:35 PM**
  - Netherlands Presents: PCI Of Calcified Lesions With Novel Calcium Modulating Techniques: Rock Roll or Rock Roll
    - Case Presenter: Rik Hermanides

- **4:45 PM**
  - Roundtable Discussion With Audience QA

- **4:50 PM**
  - Slovenia Presents: Multimodal Treatment of Refractory Angina Pectors With CFR Coronary Flow Reducer Implantation
    - Case Presenter: Matjaz Bunc

- **5:00 PM**
  - Roundtable Discussion With Audience QA

- **5:05 PM**
  - Spain Presents: LIMA Grafts Are Life Long Warranted Sometimes
    - Case Presenter: Armando Perez de Prado

- **5:15 PM**
  - Roundtable Discussion With Audience QA

- **5:20 PM**
  - Final Thoughts
    - Lecturer: Jorge Cortes Lawrenz

**CHALLENGING CASES 3**

**Structural: ValveCoronary: CHIPCoronary: CoreVascular**

**FRIDAY, SEPTEMBER 27, 2019**

9:15 AM - 10:45 AM
Hall D, Exhibition Level, Moscone South

- **9:15 AM**
  - Coronary XI
    - Discussant: Peter Barlis, Liang Dong, Vladimir Dzavik, Nieves Gonzalez, Jincheng Guo, Michalis Hamilos, Calm Hanratty, Stefan Harb, Hosam Hasan, Yutaka Hikichi, Jingbo Hou, Rongchong Huang, Dipti Itchhaporia, Aaron V. Kaplan, Yoshiaki Kawase, David F. Kong

- **9:15 AM**
  - TCT 1210: A Coronary Masquerade: Spontaneous Coronary Artery Dissection Presenting as an Acute Coronary Syndrome
    - Presenting Author: Kara Stout
TCT 1211: Streamlined Reverse Wire Technique for the Treatment of Complex Bifurcated Lesions
Presenting Author: Katsuyuki Hasegawa

TCT 1212: The Efficacy of Directional Coronary Atherectomy for Non-ST segment Elevation Myocardial Infarction
Presenting Author: Kohei Yoned

TCT 1213: Acute Coronary Syndrome in a Nonagenarian: Clinical Ethical and Procedural Challenges. Is There Sufficient Evidence Based Knowledge to Guide Us?
Presenting Author: Krishna Tummala

TCT 1214: Multiple Vessel Spontaneous Coronary Artery Dissection causing NSTEMI
Presenting Author: Lance Alqura

TCT 1215: The most critical lesion in the most critical scenario
Presenting Author: Maged Ramses

TCT 1216: Challenging CTO intervention in a patient with single coronary artery
Presenting Author: Mano Rajendran

TCT 1217: Acute coronary syndrome: severely under expanded stent treated with Shockwave IVL
Presenting Author: Marco Varela

TCT 1218: Successful Staged Percutaneous Coronary Intervention for Spontaneous Coronary Artery Dissection using Retrograde Approach
Presenting Author: Matsumoto Kozoe

TCT 1219: Missing Left Main: How Did I Treat
Presenting Author: Gholam Azam

TCT 1220: How to Overcome Tortuous and Angulated Lesion at RCA STEMI
Presenting Author: Kim Minwoong

TCT 1221: Congenital Anomaly of the Left Main Coronary Artery Presenting as a Myocardial Infarction in a Young Female
Presenting Author: Mohammed Al-Sadawi

TCT 1222: Left Ventricular Unloading during 1:3 Pulsatile Mechanical Circulatory Support in Ischemic Cardiomyopathy
Presenting Author: Marcelo Bastos

TCT 1223: IMPELLA CP AS A BRIDGE TO SURGERY FOR ANTERIOR POSTISCHEMIC SEPTAL RUPTURE
Presenting Author: Marco Moccetti

TCT 1224: A Case of Acute Renal Failure with Hemolysis Caused by Impella
Presenting Author: Masao Takigami

TCT 1225: The Interventional Therapy of Post Infarction Ventricular Septal Defect With Cardiogenic Shock
Presenting Author: Minglian Gong

TCT 1226: Cardiogenic Shock Complicated by Diffuse Alveolar Hemorrhage DAH: Simultaneous Use of an Impella CP and Veno Venous VV Extracorporeal Membranous Oxygenation ECMO in a Case of ST Elevation Myocardial Infarction STEMI Requiring Tissue Plasminogen Activator tPA
Presenting Author: Navneet Sharma

TCT 1227: A Case of Immune Checkpoint Inhibitor Related Fulminant Myocarditis with Cancer
Presenting Author: Satoshi Matsuoka

TCT 1228: The Case of the Migrating Axillary Balloon Pump
Presenting Author: Stephanie El Hajj

TCT 1229: Management of Refractory Cardiac Arrests with Venoarterial Extra Corporeal Membranous Oxygenation VA ECMO and Left Ventricular Venting Enabling Complex Percutaneous Coronary Interventions
Presenting Author: Talha Ahmed

TCT 1230: Transgender Patient Receiving Cross Sex Hormone Therapy Presenting as Simultaneous LM and RCA Plaque Rupture Complicated by Cardiogenic Shock with Successful Acute Unloading of the LV Followed by Complete Revascularization
Presenting Author: Vishal Dahya

TCT 1231: Successful Resuscitation of Acute Cardiogenic Shock Presenting as Ventricular Fibrillation via Bipella Approach
Presenting Author: Yashwant Agrawal

TCT 1232: Dismantling of Partially Covered Magnesium Biodegradable Scaffold Assessed with Optical Coherence Tomography
Presenting Author: Christian Olifer Fallesen

TCT 1233: OCT and IVUS guided treatment of restenosis in a new generation magnesium based biodegradable scaffolds due to significant collapse
Presenting Author: Hongbo Yang

TCT 1234: Treatment of long tapering LAD lesion with a distal tapering and another proximal scaffold with inadvertent overlap
Presenting Author: Vijayakumar Subban
9:15 AM  TCT 1240: Initial experience of Removing Calcified Plaque by Intentional Closer Bias Control with Angled Support Catheter REIWA Technique  
Presenting Author: GO TAKENOUCHI

9:15 AM  TCT 1241: Dislodged renal stent retrieved and deployed in good position.  
Presenting Author: Hady Licha

9:15 AM  TCT 1242: Cutted Coronary Balloon Embolisation Novel Technique for Right Hepatic Artery Rupture Bleeding  
Presenting Author: Harun Kilic

9:15 AM  TCT 1243: A unique and challenging May Thurner Syndrome Like case  
Presenting Author: Juan Manuel Telayna

9:15 AM  TCT 1244: Successful Catheter Intervention for Active Bleeding from Giant Multiple Renal Artery Aneurysms.  
Presenting Author: Kota Komiyama

9:15 AM  TCT 1245: Successful Endovascular Therapy for Acute Limb Ischemia Utilizing Proximal Protection Catheter via Popliteal Retrograde Approach  
Presenting Author: KOTARO MIYASHITA

9:15 AM - 10:45 AM  Endovascular IV  
Discussant: Christopher J. Cooper, Beau Hawkins, Michel Camille Henry, J. Stephen Jenkins, Schuyler Jones, Zaza Kavteladze, Lee Kirksey, Charles Matouk, Matthew T. Menard

9:15 AM  TCT 1246: Endovascular Treatment of Chronic Total Occlusion of Left Subclavian Artery Tips and Tricks  
Presenting Author: Kusum Lata

9:15 AM  TCT 1247: A New Approach to Management of Superficial Femoral Artery CTO: A Novel Hybrid Score and Algorithm  
Presenting Author: Luai Tabaza

9:15 AM  TCT 1248: COMPLEX BELOW THE KNEE VASCULAR INJURY: TRANSCOLATERAL EXCLUSION OF A GIANT PSEUDOANEURYSM AND REVASCULARIZATION WITH CORONARY TECHNIQUE  
Presenting Author: Maria Rosa Aymat

9:15 AM  TCT 1249: Proximal balloon occlusion to prevent downstream embolization and thus reduce systemic adverse effects of drug coated balloons  
Presenting Author: Masayoshi Kimura

9:15 AM  TCT 1250: Case of Renal Artery Stent Thrombosis  
Presenting Author: Matthew Finn

9:15 AM  TCT 1251: Double Barrel Bilateral Iliac Artery Stenting Using Bilateral Radial Artery Access  
Presenting Author: Mike Gorenstein

9:15 AM  TCT 1252: Iliac Vein Chronic Total Occlusion Percutaneous Management  
Presenting Author: Nayan Agarwal

9:15 AM  TCT 1253: Percutaneous Transluminal Intervention for Treatment of Critical Hand Ischemia  
Presenting Author: Onur Erdogan

9:15 AM  TCT 1254: Percutaneous use of the INARI ClotrIever thrombectomy device with veoplasty and stenting as a management strategy for iatrogenic obstructive Deep Venous Thrombosis.  
Presenting Author: Osama Abdel-Hafiz

9:15 AM  TCT 1255: PICKING Technique as Lithotripsy for Multiple Extremely Calcified Lesions in the Crural Artery  
Presenting Author: Osami Kawarada

9:15 AM  TCT 1256: Is the qualification for limb amputation always final  
Presenting Author: Przemek Nowakowski

9:15 AM  TCT 1257: Endovascular Management of a Large Common Carotid Artery Iatrogenic Pseudoaneurysm  
Presenting Author: Sameer Nagpal

9:15 AM - 10:45 AM  Structural V  

9:15 AM  TCT 1258: First experience using a Minimalist Approach to Transcatheter Mitral Valve Replacement with Intracardiac Echocardiography  
Presenting Author: Abdullah Sarkar

9:15 AM  TCT 1259: Percutaneous transluminal mitral Valvuloplasty in Giant Left atrium. Patient presented with severe mitral stenosis and repeated episodes of pulmonary edema. Conventional entry from left atrium to left ventricle was not possible despite repeated attempts. Reverse loop also failed.  
Presenting Author: ANIL KUMAR

9:15 AM  TCT 1260: MitraClip Implantation to Treat Postoperative Systolic Anterior Motion after Surgical Mitral Valve Repair for Barlow Disease  
Presenting Author: Apurva Patel

9:15 AM  TCT 1261: A Tragic End or an Expected Destiny A rare case of a Flash Pulmonary Edema due to Sewing Ring Dehiscence of Bio Prosthetic Mitral Valve  
Presenting Author: Bader Abu Ghalyoun

Presenting Author: Chetan Huded

9:15 AM  TCT 1263: Prophylactic Left Ventricular Outflow Tract Septal Ablation Prior to Transcatheter Mitral Valve Replacement Using an Edwards 3 Sapien Heart Valve  
Presenting Author: Kris Kumar

9:15 AM  TCT 1264: Closure of perivalvular leaks after transapical mitral valve in valve replacement.  
Presenting Author: Kunal Jha

9:15 AM  TCT 1265: Acute mitral regurgitation complicated with cardiogenic shock and treated successfully with double mitraclip implantation  
Presenting Author: Luigi Salemme

9:15 AM  TCT 1266: Transcatheter mitral valve implantation in mitral annular calcification after transcatheter aortic valve implantation  
Presenting Author: Mani Arsalan

9:15 AM  TCT 1267: MitraClip XTR implantation in a patient with subaortic membrane and severe mitral regurgitation  
Presenting Author: Mehul Patel

9:15 AM - 10:45 AM  Structural VI  
Discussant: Teiji Akagi, Joanna Chikwe, Khalil Fattouch, Sachin Goel, Mark J. Goodwin, Paul Gurbel, Jan Harnek, Joseph A. Hill, Katherine Kearney
CHALLENGING CASES 4

**Presenting Authors:**
- William Kong
- Vassilis Voudris
- Steven Goldberg
- Sachin Goel
- Ravinder Singh Rao
- Preeti Gupta
- Petr Zdrahal
- Nicholas Rug
- Bhupendra Sihag
- Benjamin Faurie
- Fahad Younas
- Enrico Romagnoli
- Emad Effat
- Farid Younas
- Brian Karahalios
- Ching Tang Chang
- Srinivas Dhanabalan
- Raj Kottapalli
- Kevin S. Loo
- Arash Payandeh
- Piyush Maini
- Michael C. Gatzoulis
- Fernando Levy
- John S. Douglas Jr.
- Aaysha Cader
- Rajesh M. Dave
- Ranil de Silva
- Walter Desmet
- Suzanne de Waha-Thiele
- Jose Guillermo Diez
- John S. Douglas Jr.
- Ariel Duran
- Ahmed Elghamaz
- Mohamed Ali Elghamaz
- Larry S. Dean
- Rachel S. Sharp
- Peter Boekstegers
- Leszek Bryniarski
- Maurice Buchbinder
- Debabrata Dash
- Rajesh M. Dave
- Larry S. Dean
- Ranil De Silva
- Walter Desmet
- Suzanne de Waha-Thiele
- Jose Guillermo Diez
- John S. Douglas Jr.
- Ariel Duran
- Ahmed Elghamaz
- Mohamed Ali Elghamaz
- Nicolas Foin
- Omer Goktekin

**Discussants:**
- Peter Boekstegers
- Leszek Bryniarski
- Maurice Buchbinder
- Debabrata Dash
- Rajesh M. Dave
- Larry S. Dean
- Ranil De Silva
- Walter Desmet
- Suzanne de Waha-Thiele
- Jose Guillermo Diez
- John S. Douglas Jr.
- Ariel Duran
- Ahmed Elghamaz
- Mohamed Ali Elghamaz
- Nicolas Foin
- Omer Goktekin

**Patient Presentations:**
- **TCT 1268:** Transcatheter mitral valve repair in congenitally corrected transposition of the great arteries
  - **Presenting Author:** Mizuki Miura
- **TCT 1269:** Early valve thrombosis after mitral valve in valve procedure.
  - **Presenting Author:** Nadim Geloob
- **TCT 1270:** Double Valve: Transapical TAVR and Mitral Valve in Valve in a Patient with HIT and Using Bivacudin
  - **Presenting Author:** Nicholas I. Ruggiero II, M.D., FACP, FACC, FSCAI, FSVM, FCPP
- **TCT 1271:** Percutaneous transvenous mitral commissurotomy in ECMO patient: the bail out technique for unusual life threatening acute mitral valve bioprosthesis failure.
  - **Presenting Author:** Petr Zdralhal
- **TCT 1272:** PERCUTANEOUS TRANSVENOUS MITRAL COMMISSUROTOMY IN A TUBULAR HEART
  - **Presenting Author:** Preeti gupta
- **TCT 1273:** Mitral Valve in Valve: A Challenging Case of TAVR
  - **Presenting Author:** Ravinder Singh Rao
- **TCT 1274:** Transcatheter Mitral Valve Replacement with the AltaValve: Description of the first case in the United States
  - **Presenting Author:** Sachin Goel
- **TCT 1275:** Carillon implantation in a heart not suitable for surgical annular reduction with coronary compromise during implantation
  - **Presenting Author:** Steven Goldberg
- **TCT 1276:** Sequential Valve in Valve Transcatheter Aortic Valve Replacement with Valve in Valve Transcatheter Mitral Valve Replacement in a Patient with Combined Degenerative Bioprosthetic Aortic Valve and Bioprosthetic Mitral Valve with High Surgical Risk
  - **Presenting Author:** Timothy Pow
- **TCT 1277:** COMBO mitral valve repair using indirect ring annuloplasty and edge to edge leaflet therapy to treat severe secondary mitral regurgitation: new possibilities in transcatheter mitral therapy.
  - **Presenting Author:** Tobias Ruf
- **TCT 1278:** Severe mitral regurgitation presented at mid term follow up after transcatheter mitral valve implantation in the position of a degenerated mitral ring
  - **Presenting Author:** Vassilis Voudris
- **TCT 1279:** Transcatheter transeptal Mitral Valve in Valve Replacement and iatrogenic atrial septal defect closure in an unstable patient
  - **Presenting Author:** William Kong
2:00 PM - 3:30 PM
Coronary XIV
Discussant: Khaled Almerri, Jose A. Alvarez, Khalid Ibrahim Amber, Tiziana Claudia Aranzulla, Julia Baron, Sukhdeep Singh Basra, Anthony A. Bavry, Patricia J. Best, Fabio S. Brito Jr., Christopher E. Buller, Warren J. Cantor, Ronald Caputo, Nicola Corvoja, Michael J. Cowley, Donald Cutlip, Amir Darki, Steffen Desch

2:00 PM  TCT 1295: Percutaneous Intervention of Double Chronic Total Occlusions of the Left Circumflex and Right Coronary Arteries Using Anterograde and Retrograde Approach
    Presenting Author: Chinmaya Mareddy

2:00 PM  TCT 1296: REWIPE Retrograde Wiring Into Antegrade Penetration Catheter technique for long RCA CTO lesion with ambiguous proximal cap and bifurcation distal cap
    Presenting Author: Chun Hung Su

2:00 PM  TCT 1297: Overcoming deficiencies in 2 stent LMS bifurcation with optimum lesion preparation with rota shock technique
    Presenting Author: Claire Raphael

2:00 PM  TCT 1298: Super balloon anchoring technique to facilitate guide extension catheter advancement
    Presenting Author: Daria Feshenko

2:00 PM  TCT 1299: Chain reaction Endless nightmares
    Presenting Author: Dhiman Banik

2:00 PM  TCT 1300: No decent native vessels poor lv in acute coronary syndrome presented as pulmonary oedema
    Presenting Author: Dimitris Tsikaderis

2:00 PM  TCT 1301: Retrograde coronary intervention for chronic total occlusion via a Single distal radial artery
    Presenting Author: Dong-Kie Kim

2:00 PM  TCT 1302: Antegrade PCI for left main ostial CTO
    Presenting Author: Do hoi Kim

2:00 PM  TCT 1303: LM 1anomolous left main with 100 cardiogenic shock with CPR and Impella support she was with successful recovery and discharge home 2 8 year old transplant o left main with 90 3 14 year old male had cardiac arrest resuscitate have 90 left main hadLDL 450 xanotoma and cholesteromas
    Presenting Author: Ibrahim Fasah

2:00 PM  TCT 1304: Acute Right Coronary Artery Thrombosis Precipitating Severe Left Main Territory Ischemia
    Presenting Author: Jignesh Patel

2:00 PM  TCT 1305: Calcium the enemy of PCI in elderly ACS patients
    Presenting Author: Johann Auer

2:00 PM  TCT 1306: GIANT CORONARY ARTERY ANEURYSM AS A CAUSE OF ACUTE MYOCARDIAL INFARCTION HOW TO TREAT.
    Presenting Author: eduardo bravo

2:00 PM  TCT 1307: Ectatic RCA treated by Stentys Self Apposing stent in the setting of ACS
    Presenting Author: Mohammed Balghith

2:00 PM  TCT 1308: A Challenging Case Of Spontaneous Coronary Artery Dissection In A Male With Unstable Angina
    Presenting Author: Prashanth Panduranga

2:00 PM  TCT 1309: A case of Rotational Atherectomy during Primary Angioplasty
    Presenting Author: PRAVEEN PAI

2:00 PM - 3:30 PM
Coronary XV

2:00 PM  TCT 1310: A HIDDEN OSTIAL LEFT MAIN IN A PATIENT WITH RECURRENT LVF
    Presenting Author: Puneet Gupta

2:00 PM  TCT 1311: Thrombus storm in leftmainbifurcation the nightmare is happening what should we do next
    Presenting Author: QUAN NGUYEN MANH

2:00 PM  TCT 1312: Acute Coronary Syndrome in an Elderly Male Patient with Isolated Large Left Ventricular Hydatid Cyst Treated by PCI
    Presenting Author: Raghuram Palaparti

2:00 PM  TCT 1313: FAILED CONSERVATIVE TREATMENT OF SPONTANEOUS CORONARY ARTERY DISSECTION
    Presenting Author: Robert-Jan Van Geuns

2:00 PM  TCT 1314: Change of Bifurcation Strategy for a patient with unstable angina from V Stenting to mini crush.
    Presenting Author: Rohit Mody

2:00 PM  TCT 1315: PHAMACOINVASIVE APPROACH IN ACS WITH ACUTE THROMBOTIC OCCLUSION OF SVG LAD GRAFT A TOUGH ENEMY TO CONQUER
    Presenting Author: Rutvik Trivedi

2:00 PM  TCT 1316: Acute Inferior STEMI with Cardiogenic Shock A new management algorithm
    Presenting Author: Sanjeev Kumar Agarwal

2:00 PM  TCT 1317: Hyperkalemia The great mimicker.
    Presenting Author: Sarfaraz Memon

2:00 PM  TCT 1318: PCI amp Stenting of LCA originating from Non Coronary Sinus
    Presenting Author: Saurabh Mehrotra

2:00 PM  TCT 1319: Still inotrops and vassopressors can provide adequate hemodynamic support in high risk patients presenting with ACS tight left maincardiogenic shock.
    Presenting Author: Schivan Muhammed

2:00 PM  TCT 1320: RE Do PCI in ACS due to intracoronary hematoma
    Presenting Author: Stefan Mot

2:00 PM  TCT 1321: Bifurcation PCI in Acute Coronary Syndrome a challenge for interventionalist
    Presenting Author: surender deora

2:00 PM  TCT 1322: Acute Non Dominant Right Coronary Artery Occlusion Presented as Anterior ST Elevation Myocardial Infarction
    Presenting Author: Tanawon Riangwiwat

2:00 PM  TCT 1323: A rare case of profound isolated thrombocytopenia early after complex PCI on right and left main coronary artery.
    Presenting Author: Tania Concetto Silvestri

2:00 PM  TCT 1324: Retrieval of two dislodged coronary stents from the ascending aorta with a snake loop
    Presenting Author: Wakui Yasuyuki
Coronary XVII

2:00 PM - 3:30 PM

TCT 1325: case presentationDislodged Stent during bifurcation coronary stenting
Presenting Author: ahmed abdallah

TCT 1326: AV fistula and early arterialization of the vein after a radial approach PCI
Presenting Author: Ali Esharkawi

TCT 1327: Post Myocardial Infarction Ventricular Septal Defect Closure
Presenting Author: ali Farooq

TCT 1328: When things are not what they seem: Stent assisted coil embolization of an ostial proximal LAD coronary artery aneurysm with subsequent total occlusion of a tortuous ostial LCX after coil herniation
Presenting Author: Andre Lawrence Tojino

TCT 1329: Management of calcified coronary perforation after LM Bifurcation PCI with Rota ablation
Presenting Author: Ankush Gupta

TCT 1330: Emergent Distal Vessel Re entry Technique for iatrogenic Coronary Artery Dissection
Presenting Author: Anthony Ea

TCT 1331: Broken Undeflatable and Stuck Stent Balloon
Presenting Author: ASHISH JHA

TCT 1332: CASE WE NEARLY LOST SAVED BY STENT ABLATION
Presenting Author: ASHISH SINGHAL

TCT 1333: The bifurcation that I will never forget
Presenting Author: Azzouz Abdelmalek

TCT 1334: Learning Points of a Retrograde Percutaneous Coronary Intervention of a Chronic Total Occlusion with a Life Threatening Complication
Presenting Author: Judit Karacsonyi

TCT 1335: Hanging by a Thread Successful Retrieval of a Completely Fractured Coronary Wire
Presenting Author: Kartik Kumar

TCT 1336: Double Guiding Management for Coronary Perforation
Presenting Author: Kazumasa Fujita

TCT 1337: How to Retrieve an Undeflatable 5.0mm Balloon in the Left Main by Transradial Access Site: a Simple yet Effective Technique.
Presenting Author: Kenneth De Wilder

TCT 1338: SANDWICH STENT AS AN ALTERNATIVE TO COVERED STENT
Presenting Author: Kesavamoorthy Bhoopalan

TCT 1339: Radial First …. Think Twice
Presenting Author: Khaled Mansour

2:00 PM - 3:30 PM

Coronary XVII
TCT 1355: Transfemoral Transcatheter Aortic Valve Replacement in High Risk Tortuous Aorta  
Presenting Author: Jian Liang Tan

TCT 1356: Staged Hybrid Transcatheter Thoracic Endovascular Aortic Repair TEVAR with Total Debranching of Supra aortic Trunks.  
Presenting Author: Jonald Lucero

TCT 1357: ENDOVASCULAR TREATMENT OF A CHRONIC OCCLUDED ABDOMINAL AORTA  
Presenting Author: Jorge Bluguermann

TCT 1358: A case of humomous Thoracic Aortic Aneurysm with chest wall Erosion and Impending Rupture managed successfully by Thoracic Endo Vascular Aneurysm Repair  
Presenting Author: KESHAVAMURTHY G

TCT 1359: Successful Percutaneous Trapping of an Anomalous Splenic Artery Aneurysm  
Presenting Author: KUNAL MAHAJAN

TCT 1360: Third Time is The Charm  
Presenting Author: Maryna Popp

TCT 1361: Bad Luck Comes in Threes. TAVI complicated by aortic dissection complete heart block and anterior myocardial infarct. A Case Report.  
Presenting Author: Mena Saliba

TCT 1362: Pt presents with ascending aortic pseudoaneurysm between the origins of 2 SVG supplying the D and LCx both native CTO. Staged procedure. CTO recannalization of D and Lx then ascending TEVAR covering SVGs with retrograde coiling of endoleak from SVG to OM  
Presenting Author: Michael Rinaldi

TCT 1363: Percutaneous closure of multiple subannular PA of aortic root following surgical aortic valve replacement  
Presenting Author: Oleg Krestyaninov

TCT 1364: TRAUMATIC FISTULA BETWEEN THE INNOMINATED VEIN AND THE AORTIC ARCH. NOT EVERYTHING IS CORONARY  
Presenting Author: Paulina Cisneros

TCT 1365: Fully percutaneous aneurysm sac embolization in type 1B endoleak  
Presenting Author: RAMON RAMIREZ KOELLIKER

TCT 1366: Correction of a Malpositioned Self Expanding Transcatheter Aortic Valve Replacement Using Snare Manoeuvre.  
Presenting Author: uday ponangi

TCT 1367: The Dynamic Evolution of Aortic Intramural Haematoma  
Presenting Author: XUN YUAN

TCT 1368: Endovascular coil embolization treatment of a right coronary artery giant aneurysm  
Presenting Author: Yoshio Kazuno

TCT 1369: Challenging renal artery intervention perforation and timely escape  
Presenting Author: Alok K. Ranjan

TCT 1370: Never ending nightmare at femoral access site  
Presenting Author: Bhuyan Chandra Tiwari

TCT 1371: Unexpected use of Proglide in Aortic Arch  
Presenting Author: Daniela Benedetto

TCT 1372: Inadvertent large sheath deep in the proximal common carotid artery Successful removal using Proglide Closure Device  
Presenting Author: Dimitrios Nikes

TCT 1373: A Novel Subcutaneous Fat Tissue Embolisation Technique for Renal Hemorrhage Complications  
Presenting Author: ERHAN TENEKECIOGLU

TCT 1374: An unusual treatment of peripheral stent dislodgement  
Presenting Author: Serkan Kahraman

TCT 1375: Iatrogenic Radial Artery Perforation in Coronary Intervention  
Presenting Author: Holly Morgan

TCT 1376: Blood Thrombin PatchRepair of Ruptured Femoral Artery Pseudo Aneurysm  
Presenting Author: Madhu K. Sreedharan

TCT 1377: A simple thing can save the life  
Presenting Author: Fazila Tuna-Nesa Malik

TCT 1378: the extraction of the Pecemaker Lead Entrapped by a Eustachian valve  
Presenting Author: Noriyuki Kawaura

TCT 1379: Traumatic aorto atrial fistula due to peripheral stent migration.  
Presenting Author: Sonal Pruthi

TCT 1380: Bail out from brou out perforation in SFA without stentgraft  
Presenting Author: Takuma Tsuda

TCT 1381: Temporary PM Implantation in Complete Atioventricular Block That Led To Endotracheal Intubation  
Presenting Author: Yuji Yamashita

TCT 1382: A long journey to save critical limb ischemia of right foot: Endovascular revascularization of both iliac right superficial femoral and anterior tibial arteries  
Presenting Author: Taek-Geun Kwon

TCT 1383: A case report of pulmonary vein intervention for pulmonary vein stenosis after radiofrequency ablation for atrial fibrillation.
Presenting Author: TATSUNORI IKEDA

2:00 PM  TCT 1384: Three cases of May Thurner syndrome successfully treated by intravascular ultrasound IVUS guided balloon angioplasty and catheter directed thrombolysis through the popliteal vein.
Presenting Author: Tsbsana NODA

2:00 PM  TCT 1385: Catheter directed thrombolysis for management of lower extremity acute limb ischemia four days after intracranial hemorrhage
Presenting Author: Valentina Jaramillo

2:00 PM  TCT 1386: Sirolimus Eluting BioResorbable Peripheral Scaffold System in Patient With Chronic Kidney Disease and Hypertension
Presenting Author: Vimal Someshwar

2:00 PM  TCT 1387: Phlegmasia Cerulea Dolens Secondary to May Turner Syndrome
Presenting Author: Wai Kin Chi

2:00 PM  TCT 1388: Successful catheter directed thrombolysis of massive bilateral upper extremity DVT presenting as SVC syndrome
Presenting Author: Dominika Zlotowska

2:00 PM  TCT 1389: A case with Leriche syndrome popliteal artery occlusion and chronic venous ulcers Which lesions and when should we treat
Presenting Author: Yuki Matsubara

2:00 PM  TCT 1390: CLI after Femoropopliteal Bypass: Endovascular Approach
Presenting Author: Yulanka Castro-Dominguez

2:00 PM - 3:30 PM
Coronary XIX
Discussant: Rabin dra Nath Chakraborty, Jeff Chambers, Kam-Tim Chan, Aakriti Gupta, Martin Hudec, Yuetsu Kikuta, Michael C. C. Kim, Spencer B. King III, Lloyd W. Klein, Sampath Kumar, Amir Lotfi, Matthias Lutz, Nish Patel

2:00 PM  TCT 1391: The tell tale heart: invasive coronary angiography on normothermic ex vivo perfusion
Presenting Author: Pankaj Jain

2:00 PM  TCT 1392: An Unusual case of Severe LVSD Secondary to Spontaneous Dissection in both LAD and RCA in a 29 year old man detected due to CKD
Presenting Author: Praveen Sadarmin

2:00 PM  TCT 1393: Snowman has come
Presenting Author: Koki Sogame

2:00 PM  TCT 1394: Importance of Integrating Coronary Anatomy and Physiology
Presenting Author: Ahmed El Amrawy

2:00 PM  TCT 1395: The dPRFRR evaluation case for the Coronary artery Pulmonary artery fistula CAPA fistula who had been suspected as STEMI at first.
Presenting Author: Kyosuke Furuhashi

2:00 PM  TCT 1396: A Novel Assessment of Ischemia in Patients with Anomalal Coronary Arteries
Presenting Author: Lena McCray

2:00 PM  TCT 1397: Use of intracoronary electrocardiogram for identification of the culprit artery in asymptomatic myocardial infarction
Presenting Author: MASAFUMI NAKAYAMA

2:00 PM - 3:30 PM
Structural VII

2:00 PM  TCT 1398: Alcohol Ablation of Extra cardiac Thoracic Tumor
Presenting Author: Nikoloz Shlikidzde

2:00 PM  TCT 1399: Novel Vascular Access for Percutaneous Transluminal Septal Myocardial Ablation: Case report of TwoPatients with Drug refractory Hypertrophic Obstructive CardiomyopathyTreated Through Bilateral Distal Radial Artery
Presenting Author: Yukio Mizuguchi

2:00 PM  TCT 1400: Surgical Explant of TAVR Valves
Presenting Author: James Edelman

2:00 PM  TCT 1401: Redo Mitral Valve Surgery after Transcatheter Mitral Valve Replacement for Infective Endocarditis
Presenting Author: Philipp Kiefer

2:00 PM  TCT 1402: Third Times the Challenge: Transcatheter mitral valve in valve implantation valve after bioprosthetic mitral valve deterioration
Presenting Author: Pouyan Arman

2:00 PM  TCT 1403: CoreValve compression due to exterme Aortic Valve Calcification
Presenting Author: John Ko

2:00 PM  TCT 1404: How to cross the valve with Evolut Rwhen the aortic to Prosthetic valve angle is prohibitive and all conventional tricks failed
Presenting Author: Edo Kaluski

2:00 PM  TCT 1405: Simultaneous High Risk Multi Vessel Percutaneous Coronary Intervention and Per Axillary Transcatheter Aortic Valve Implantation: Its All About Planning
Presenting Author: Abdalla Hassan

2:00 PM  TCT 1406: Balloon Valve Expansion for the Treatment of Paravalvular Regurgitation
Presenting Author: Adib Chaus

2:00 PM  TCT 1407: Uncomplicated Balloon Aortic Valvuloplasty in a Patient with Severe Aortic Stenosis and Left Ventricular Thrombus Using Cerebral Embolic Protection Devices
Presenting Author: Adnan Khalif

2:00 PM  TCT 1408: Percutaneous closure of Aorto Right Ventricular Fistula and Paravalvular leak after Transcatheter Aortic Valve Implantation
Presenting Author: Ahmad Alabbdy

2:00 PM  TCT 1409: A tailored approach to Valve in Valve.
Presenting Author: Alessandra Laricchia

2:00 PM - 3:30 PM
Structural VIII
Discussant: Oluseun Alli, Khalid Ibrahim Amber, Robert J. Applegate, Michael Argenziano, Jorge A. Belardi, Stefan C. Bertog, Giuseppe Biondi-Zoccai, Y. S. Chandrashekar, Andrea Colli, G. Michael Deeb, Gilles Dreyfus, Mohamed Mohamed Elmaraghi, Marek Grygier, Vivek Gupta

2:00 PM  TCT 1410: Severe Aortic Insufficiency and a Ventricular Septal Defect as a Result of Endocarditis Treated with Valve in Valve TAVR and Ventricular Septal Defect Closure
POSTERS ABSTRACTS II

POSTERS ABSTRACTS II

FRIDAY, SEPTEMBER 27, 2019
9:15 AM - 10:45 AM
Hall D, Exhibition Level, Moscone South

9:15 AM
Coronary VIII
Discussant: Mohamed Ali Elsalamony, Mohamed Elsayed Elsethiha, Mohammad El Tahlawi, Spencer B. King III, Ganesan R. Nambirajan, Massimo Napodano, Nish Patel, Marcello Sena

9:15 AM
TCT 925: Hourly Weekly and Annual Variation of Incidence of Myocardial Infarction and Cardiogenic Shock in Central Europe. Results From Multicenter Registry.
Presenting Author: Bartlomiej Gora

9:15 AM
TCT 926: Association Between Renal Function Impairment and Multivessel Involvement in Patients With Acute ST Elevation Myocardial Infarction
Presenting Author: How-Ran Guo

9:15 AM
TCT 927: Association Between Duration of Beta blocker Therapy and Clinical Outcomes in Acute Myocardial Infarction Patients Without Heart Failure
Presenting Author: Joo-Yong Hahn

9:15 AM
TCT 928: The Relationship between Culprit Lesions Morphology and Low Density Lipoprotein Cholesterol Levels in the Very Elderly Patients with ST Segment Elevation Myocardial Infarction
Presenting Author: Yoshikuni Kobayashi

9:15 AM
TCT 929: Aborted myocardial infarction in patients with STEMI treated Percutaneous Coronary Interventions
Presenting Author: Lukasz Konarski

9:15 AM - 10:45 AM
Coronary IX
Discussant: Nabil Farag, Anton Farkas, Marc D. Feldman, Hans R. Figulla, Joo Myung Lee, Edward J. McNulty, Toshiya Muramatsu

9:15 AM
TCT 930: Role of simultaneous positron emission tomographymagnetic resonance imaging to detect viable myocardium after acute myocardial infarction
Presenting Author: Jung-Hee Lee

9:15 AM
TCT 931: Non ST Elevation Myocardial Infarction in Hospitalized Patients With Atrial Fibrillation
Presenting Author: Pengyang Li

9:15 AM
TCT 932: Recognized Sleep Apnea Patients Have Lower Hospital Mortality When Admitted For Acute Myocardial Infarction Compared To Patients Without Sleep Apnea Across US Hospitals
Presenting Author: Muhammad Waqar Liaqat

9:15 AM
TCT 933: Impact of Extremely Low Wall Shear Stress in Coronary Aneurysm in Patients With ST Segment Elevation Myocardial Infarction In Comparison With Normal Coronary Arteries
Presenting Author: Yusuke Miyazaki

9:15 AM
TCT 934: Advanced Age and Myocardial Injury in ST segment Elevation Myocardial Infarction: a Cardiac Magnetic Resonance Imaging Study
Presenting Author: Ik Hyun Park

9:15 AM
TCT 935: Intracoronary Tirofiban Delivered by Controlled Flow Infusion: Marked Reduction of Microvascular Obstruction in a Porcine STEMI Model
Presenting Author: Robert S. Schwartz

9:15 AM
TCT 924: Abbreviation of Eptifibatide Therapy Improves Safety in STEMI Patients Undergoing Primary Percutaneous Coronary Intervention
Presenting Author: Florian Fischer

9:15 AM
TCT 923: Aborted myocardial Infarction in patients with STEMI treated Percutaneous Coronary Interventions
Presenting Author: Lukasz Konarski
9:15 AM  TCT 936: MOCA I Study  Microvascular obstruction treatment efficacy measured using dynamic Microvascular Resistance dMVR
Presenting Author: Marco Volginigli

9:15 AM  TCT 937: Temporal pattern of neutrophil to lymphocyte ratio in patients with ST elevation myocardial infarction undergoing primary percutaneous coronary intervention
Presenting Author: Marco V. Wainstein

9:15 AM  TCT 938: Cut the Crap Calcium: We have the app An Education Mobile Application to Learn Tactics of Dealing with Calcified and Undilatable Lesions.
Presenting Author: Samit Bhatheja

9:15 AM  TCT 939: Mesh Covered Stent Versus DES Implantation in Diseased Saphenous Vein Graft: Comparative Analysis of Short Term Complications
Presenting Author: Carlos Cafri

9:15 AM  TCT 940: Relative impact of clinical and procedural characteristics on clinical outcomes after Percutaneous Coronary Intervention.
Presenting Author: Jeehoon Kang

9:15 AM  TCT 941: MAPT Mono Antiplatelet Therapy as regular regimen after Cobra PzF NanoCoated Coronary Stent NCS implantation
Presenting Author: Luc Maillard

9:15 AM - 10:45 AM  Coronary XI
Discussant: Diego D. Grinfeld, Aakriti Gupta, Thomas A. Ischinger, Neal S. Kleiman, Hidetaka Nishina, Ramesh Singh

9:15 AM  TCT 942: Early procedural results and outcomes after chronic total occlusion angioplasty: experience of a treatment program
Presenting Author: Vera Grigorievich Osiev

9:15 AM  TCT 943: Short term clinical outcomes of percutaneous coronary intervention of unprotected left main coronary disease in cardiogenic shock
Presenting Author: Hernan Mejia-Renteria

9:15 AM  TCT 944: Excimer Laser Coronary Angioplasty for Stent Underexpansion: Single Center Experience and Outcomes
Presenting Author: John Nan

9:15 AM  TCT 945: 30 day Readmission Following Revascularization in Patients With Chronic Total Occlusion of Coronary Arteries Presenting With Angina: Insight From Nationwide Readmission Database
Presenting Author: Neel Patel

9:15 AM  TCT 946: 30 Day and 1 Year Outpatient PCI Outcomes after Same Day Discharge: A Retrospective Single Center VA Experience
Presenting Author: Sanket Gokhale

9:15 AM  TCT 947: Clinical outcomes at 3 years of the Absorb bioreabsorbable vascular scaffold versus the Xience drug eluting metallic stent in diabetic or non diabetic patients in routine PCI AIDA trial sub study.
Presenting Author: Ruben Tijssen

9:15 AM - 10:45 AM  Coronary XII
Discussant: Lloyd W. Klein, Shahar Lavi, Abdullah Al Shafi Majumder, Carlos E. Uribe, Zhao Wang, Jennifer Yu

9:15 AM  TCT 948: Treatment of Very Small De Novo Coronary Artery Disease With 2.25 mm Novel Sirolimus Eluting Stent with fusion coating technology
Presenting Author: Luca Testa

9:15 AM  TCT 949: Causes and predictors of 6 month readmission rate after drug eluting stent in the contemporary era  A nationwide analysis
Presenting Author: Syed Zaid

9:15 AM  TCT 950: Efficacy and Safety of the Bioabsorbable Polymer coated Everolimus eluting coronary stents in Routine Clinical Practice: Data from the IRIS DES Registry
Presenting Author: Yujin Yang

9:15 AM  TCT 968: Cancer diagnosis in patients undergoing percutaneous coronary intervention
Presenting Author: KENJI KANENAWA

9:15 AM  TCT 969: Prediction Model for Clinically Relevant Diagonal Branches Based on Anatomical Attributes
Presenting Author: Seokhun Yang

9:15 AM  TCT 970: Factors Affecting Serum Midkine as an Early Predictor of Contrast Induced Acute Kidney Injury in Acute Coronary Syndrome Patients Undergoing Percutaneous Coronary Interventions
Presenting Author: Mohamed Ahmed

9:15 AM - 10:45 AM  Coronary XIII
Discussant: Shams Munwar, Shigeru Nakamura, Eugenia Nikolsky, Alexander Grigorievich Osiev, George J. Vlachojannis, Alexandre C. Zago

9:15 AM  TCT 971: Zero Contrast Percutaneous Coronary Interventions for Protection of Kidney Function in Patients With Severe Renal Impairment and Hemodialysis Subjects With Residual Diuresis
Presenting Author: Jerzy Sacha

9:15 AM  TCT 972: Integrating Residual SYNTAX Score to Improve the Predictive Ability of the Age Creatinine and Ejection Fraction ACEF Score for Cardiac Mortality in Percutaneous Coronary Intervention Patients
Presenting Author: Guofeng Gao

9:15 AM  TCT 973: Postprocedural Radial Artery Complications: An Analysis of 340 Cases
Presenting Author: Ziad Alhassani

9:15 AM  TCT 974: Postprocedural Radial Artery Compression Time In ChronicAnticoagulated patients using StatSeal: The PRACTICAL SEAL FeasibilityStudy
Presenting Author: Rodrigo Bagur

9:15 AM  TCT 975: Distal Transradial Approach for Primary Percutaneous Coronary Intervention for Patients With Acute Myocardial Infarction: A Multicentre Study
Presenting Author: Takeshi Yamada

9:15 AM  TCT 976: Relationship Between Sclerostin and Coronary Tortuosity in Patients Undergoing Percutaneous Coronary Intervention
Presenting Author: Yasuyuki Narita

9:15 AM - 10:45 AM  Coronary XIV

9:15 AM  TCT 977: Regional disparities in hospitalization rates for ischemic heart diseases in women between the south and southeast regions of Brazil from 2013 to 2018.
9:15 am - 10:45 am

Coronary and Structural I

Discussant: Alejandro Cherco, Matthew J. Daniels, Eduardo De Marchena, Robbert J. De Winter, Cameron Dowling, Christophe Dubois, Karel T. Koch, Heitor Medeiros

9:15 am
TCT 951: Unique computational visualization of a vessel manipulation during large bore transcatheter insertions viewed in virtual reality
Presenting Author: Mikayle Holm

9:15 am
TCT 959: Cardiovascular Magnetic Resonance CMR Predictors of Clinical Outcomes in Patients with Hypertrophic Cardiomyopathy
Presenting Author: shihma chowdary

9:15 am
TCT 978: Transcatheter Aortic Valve Implantation for Failing surgical Aortic Valves: A Single Center Experience
Presenting Author: Riyad Kherallah

9:15 am
TCT 979: Acute Changes in Left Ventricular Cardiac Mechanics post Transcatheter Aortic Valve Replacement by Speckle Tracking Echocardiography
Presenting Author: Stamatios Lerakis

9:15 am
TCT 980: Coronary Hemodynamics Improvement due to Left Ventricular Reverse Remodeling after Transcatheter Aortic Valve Replacement
Presenting Author: Kazuki Mizutani

9:15 am
TCT 981: Distribution of coronary artery disease in patients with low risk transcatheter aortic valve replacement: A computed tomography coronary angiography study from the LRT trial
Presenting Author: Yuichi Ozaki

9:15 am - 10:45 am

Structural V

Discussant: Makram R. Ebeid, Karim El Chialli, Mohamed Mohamed Elmaraghi, Mohammad El Tahlawi, Marvin H. Eng, Giovanni Esposito

9:15 am
TCT 982: Structural Analysis of Transcatheter Aortic Valve Replacement in Bicuspid Aortic Valves
Presenting Author: Dong Qiu

9:15 am
TCT 983: Pre Dilatation Balloon Aortic Valvuloplasty vs. Direct Implantation in Patients Undergoing TAVR: A Meta Analysis
Presenting Author: Shiv Raj

9:15 am
TCT 984: Combination of Preoperative Frailty Status and Cardiac Biomarkers for Improving Risk Stratification in TAVR
Presenting Author: Francisco José Romeo

9:15 am  
Presenting Author: Syed Moinuddin

9:15 am  
TCT 986: Comprehensive Geriatric Assessment CGA for Predicting 1 Year Outcomes in Patients Undergoing Transcatheter Aortic Valve Implantation TAVI Results From the CGA TAVI Multicentre Registry  
Presenting Author: M.S. van Mourik

9:15 am  
TCT 987: National Trends in Transcatheter Aortic Valve Replacement in Cardiogenic Shock Patients  
Presenting Author: Logan Vincent

9:15 am  
TCT 988: The Effect of Prior Percutaneous Coronary Intervention on Pulmonary Artery Systolic Pressure and Ejection Fraction After Transcatheter Aortic Valve Replacement  
Presenting Author: Cecillia Wong

9:15 am - 10:45 am 
Structural VI  
Discussant: Nabil Farag, Craig E. Fleishman, Christian Frerker, George Gellert, James A. Goldstein, Diego D. Grinfeld, Matthias Götberg

9:15 am  
TCT 989: In hospital Outcomes of Transcatheter Aortic Valve Replacement in Patients with Atrial Fibrillation: Nationwide Database Analysis  
Presenting Author: FANGCHENG WU

9:15 am  
TCT 990: Incidence Clinical Correlates Timing of Occurrence and Consequences of Acute Thrombus Formation in Patients Undergoing The MitraClip Procedure  
Presenting Author: Jerzy Pregowski

9:15 am  
TCT 991: Transcatheter Mitral Valve Position Affects Risk of Valve Thrombosis Following TMVR Procedure  
Presenting Author: Saba Ravaghi

9:15 am  
TCT 992: Quantifying Mitral Annular Calcification MAC for Patient Predictive Modeling in the Era of Transcatheter Mitral Valve Replacement TMVR Therapies  
Presenting Author: Gilbert H.L. Tang

9:15 am  
TCT 993: Isolated Tricuspid Valve Repair Using MitraClip for Functional Tricuspid Regurgitation in High Surgical Risk Patients  
Presenting Author: Marissa Donatelle

9:15 am  
TCT 994: Transcatheter Treatment of Severe Tricuspid Regurgitation: First Experiences With the Edge to Edge Technique Using the MitraClip  
Presenting Author: Sylvia Otto

9:15 am  
TCT 995: Novel Bioresorbable Closure Device with Biological Scaffold Seal  
Presenting Author: David Reuter, MD

8:00 am - 8:15 am  
Didactic Session  
Training Pavilion Faculty: Kevin J. Croce, Vamsi Krishna, Bruce Samuels, R. Jay Widmer

8:15 am - 9:30 am  
Hands-On Activity Guided by Five Case Scenarios: Utilizing a Wet Model to Perform RFR and FFR  
Training Pavilion Faculty: Kevin J. Croce, Vamsi Krishna, Bruce Samuels, R. Jay Widmer

NOW THAT I SEE IT, I KNOW HOW TO TREAT IT! A HANDS-ON OCT SKILLS LAB

Now That I See It, I Know How To Treat It! A Hands-On OCT Skills Lab

FRIDAY, SEPTEMBER 27, 2019
10:00 am - 11:30 am  
Training Pavilion, Hall F

10:00 am - 10:20 am  
OCT: Now That I See It - Presentation  

10:20 am - 11:30 am  
Hands-On Sessions  

10:20 am  
Virtual Reality Interactive OCT Session

10:20 am  
OCT Workstation Measurements Assessments and Procedure Planning

10:20 am  
Image Acquisition With a Wet Model Practice

THE IMPACT OF DESIGN ON CORONARY GUIDEWIRE PERFORMANCE: A HANDS-ON EXPERIENCE

The Impact of Design on Coronary Guidewire Performance: A Hands-On Experience

FRIDAY, SEPTEMBER 27, 2019
12:00 pm - 1:30 pm  
Training Pavilion, Hall F

12:00 pm - 1:30 pm  
The Impact of Design on Coronary Guidewire Performance: A Hands-On Experience

PHYSIOLOGY SIMPLIFIED: A HANDS-ON RFR SKILLS LAB

Physiology Simplified: A Hands-On RFR Skills Lab

FRIDAY, SEPTEMBER 27, 2019
8:00 am - 9:30 am  
Training Pavilion, Hall F
12:00 PM Introduction
12:05 PM Didactic on Guidewire Building Blocks and WH wires
12:15 PM Hands on Workhorse Wires Activity
12:30 PM Polymer Jacketed Wires Overview and Hands on Activity
12:50 PM Extra Support Specialty wires Overview and Hands on Activity
1:10 PM TurnTrac Wire Overview and Hands on Activity

**PHYSIOLOGY SIMPLIFIED: A HANDS-ON RFR SKILLS LAB**

**Physiology Simplified: A Hands-On RFR Skills Lab**

**FRIDAY, SEPTEMBER 27, 2019**

2:00 PM - 3:30 PM  
Training Pavilion, Hall F

**2:00 PM - 2:15 PM**  
**Didactic Session**  
Training Pavilion Faculty: Ziad A. Ali, Kevin J. Croce, Allen Jeremias, Vamsi Krishna, R. Jay Widmer

**2:15 PM - 3:30 PM**  
**Hands-On Activity Guided by Five Case Scenarios: Utilizing a Wet Model to Perform RFR and FFR**  
Training Pavilion Faculty: Ziad A. Ali, Kevin J. Croce, Allen Jeremias, Vamsi Krishna, R. Jay Widmer

**LARGE-BORE ACCESS TO CLOSE: WHAT YOU WANT (AND NEED) TO KNOW**

**Large-Bore Access To Close: What Want (and Need) To Know**

**FRIDAY, SEPTEMBER 27, 2019**

4:00 PM - 5:30 PM  
Training Pavilion, Hall F

**4:00 PM - 4:20 PM**  
**Introduction - Access Planning and Management Complications Review**  
Training Pavilion Faculty: Adhir Shroff, Rajiv Tayal

**4:20 PM - 5:30 PM**  
**Hands-On Device Deployment**  
Training Pavilion Faculty: Adhir Shroff, Rajiv Tayal

**COMPLEX LESION ALGORITHMIC APPROACH: PROVEN DEVICES AND NEW APPLICATIONS**

**Complex Lesion Algorithmic Approach: Proven Devices and New Applications**

**FRIDAY, SEPTEMBER 27, 2019**

10:00 AM - 11:30 AM  
Training Pavilion, Hall F

**10:00 AM - 11:30 AM**  
**Complex Lesion Algorithmic Approach: Proven Devices and New Applications**  
Training Pavilion Faculty: Brian Jefferson, Taral Patel

**10:00 AM**  
**Introduction**

**10:05 AM**  
**Complex Lesion Algorithmic Approach: Proven Devices and New Applications**

**10:35 AM**  
**Hands On Rotations**

**ROTAPRO™ FOR PLAQUE MODIFICATION AND VESSEL PREP**

**ROTAPRO™ for Plaque Modification and Vessel Prep**

**FRIDAY, SEPTEMBER 27, 2019**

8:00 AM - 9:30 AM  
Training Pavilion, Hall F

**8:00 AM**  
**Introduction**

**8:05 AM**  
**ROTAPRO Rotational Atherectomy System 25 Years of Proven Clinical Safety and Efficacy**

**8:35 AM**  
**Hands On Rotations**

**TRANSSEPTAL HANDS-ON TRAINING PROGRAM**

**Transseptal Hands-On Training Program**

**FRIDAY, SEPTEMBER 27, 2019**

12:00 PM - 1:30 PM  
Training Pavilion, Hall F
ADVANCED TECHNIQUES FOR LAAC PROGRAMS

Advanced Techniques for LAAC Programs
FRIDAY, SEPTEMBER 27, 2019
2:00 PM - 3:30 PM
Training Pavilion, Hall F

2:00 PM - 3:30 PM
Advanced Techniques for LAAC Programs
Training Pavilion Faculty: Mohamad Adnan Alkhouli

2:00 PM
Introduction
2:05 PM
DataProcedural Overview
2:35 PM
Case Reviews Workfow Examples

TRANSSEPTAL HANDS-ON TRAINING PROGRAM

Transseptal Hands-On Training Program
FRIDAY, SEPTEMBER 27, 2019
4:00 PM - 5:30 PM
Training Pavilion, Hall F

4:00 PM - 5:30 PM
Transseptal Hands-On Training Program
Training Pavilion Faculty: Paul D. Mahoney

4:00 PM
Introduction
4:05 PM
Video Tutorials
4:20 PM
Step by Step Transseptal Technique Interventional Tools and Complication Management
4:40 PM
Hands On Rotations

WHO IS MY POTENTIAL RDN CANDIDATE?
INTERACTIVE DISCUSSION ON RDN CANDIDATE SELECTION

Who is my Potential RDN Candidate? Interactive Discussion on RDN Candidate Selection
FRIDAY, SEPTEMBER 27, 2019
8:00 AM - 9:30 AM
Training Pavilion, Hall F

8:00 AM
Welcome Session Objectives
8:10 AM
Patient 1: Renal Denervation as the First Option
8:25 AM
Patient 2: Renal Denervation After 1 2 Agents Have Been Tried
8:40 AM
Patient 3: trHTN is the Ideal Renal Denervation Patient Profile
8:55 AM
Real World Application: Taiwan Experience
9:05 AM
Panel Discussion Global Views on Patient Selection
9:15 AM
Patient Preference and Bringing it All Together

OPTIMIZING OUTCOMES IN PATIENTS WITH BIFURCATION LESIONS

Optimizing Outcomes in Patients with Bifurcation Lesions
FRIDAY, SEPTEMBER 27, 2019
10:00 AM - 11:30 AM
Training Pavilion, Hall F

10:00 AM - 11:30 AM
Optimizing Outcomes in Patients with Bifurcation Lesions
Training Pavilion Faculty: Francesco Burzotta, David Hildick-Smith, Jens Flensted Lassen, Goran Stankovic

10:00 AM
Introduction
10:05 AM
Bifurcation Techniques with Integrated Visible Heart Laboratories Footage
10:45 AM
Hands On Simulation

ONYX ONE: IS THERE AN IDEAL APPROACH TO PCI IN THE PATIENT AT HIGH RISK OF BLEEDING?

Onyx One: Is There an Ideal Approach to PCI in the Patient at High Risk of Bleeding?
### Ways to See Clearly, Guide Confidently

**FRIDAY, SEPTEMBER 27, 2019**  
8:00 am - 9:30 am  
Training Pavilion, Hall F

**8:00 am - 9:30 am**  
Ways to See Clearly, Guide Confidently  
Training Pavilion Faculty: Karim Al-Azizi, Jasvindar Singh

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>8:00 am</td>
<td>Introduction</td>
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<tr>
<td>8:05 am</td>
<td>KTL Presentation: WAZE to See Clearly Guide Confidently Case Based Review</td>
</tr>
<tr>
<td>8:25 am</td>
<td>Dynamic Roadmap With Simulator</td>
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<tr>
<td>8:40 am</td>
<td>IntraSight 7 Physiology Sync</td>
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<tr>
<td>8:55 am</td>
<td>IntraSight 7 IVUS Sync</td>
</tr>
<tr>
<td>9:10 am</td>
<td>Level EX Rotation</td>
</tr>
<tr>
<td>9:25 am</td>
<td>Closing and Adjourn</td>
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</table>

### Contemporary Considerations for TAVR Hemodynamics

**FRIDAY, SEPTEMBER 27, 2019**  
4:00 pm - 5:30 pm  
Training Pavilion, Hall F

**4:00 pm - 5:30 pm**  
Contemporary Considerations for TAVR Hemodynamics  
Training Pavilion Faculty: G. Burkhard Mackensen, Michael J. Reardon

<table>
<thead>
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<tr>
<td>10:00 am</td>
<td>Introduction</td>
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<tr>
<td>10:05 am</td>
<td>KTL Presentation: Dotting the Eyes with iFRs DEFINE PCI</td>
</tr>
<tr>
<td>10:25 am</td>
<td>Dynamic Roadmap with Simulator</td>
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<tr>
<td>10:40 am</td>
<td>IntraSight 7  Physiology Sync</td>
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### Another Notch on Your Complex PCI Tool Belt – A Journey to LASER Competence

**Training Pavilion, Hall F**

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<tr>
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<td>KTL Presentation: Another Notch on Your Complex PCI Tool Belt - A Journey to LASER Competence</td>
</tr>
<tr>
<td>12:25</td>
<td>Laser Hands On</td>
</tr>
<tr>
<td>12:40</td>
<td>Simulator 1 - ISR Case</td>
</tr>
<tr>
<td>12:55</td>
<td>Simulator 2 - CTO Case</td>
</tr>
<tr>
<td>1:10</td>
<td>KTL Doing Cases</td>
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<td>1:25</td>
<td>Closing and Adjourn</td>
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**Faculty:** Kevin J. Croce

### The Ultimate Outcome with IVUS

**Training Pavilion, Hall F**

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<td>5:10</td>
<td>Level X Rotation</td>
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</table>

**Faculty:** Ajay J. Kirtane

### What You Need to Know Regarding the CLASP IID/IIF Pivotal Trial: Novel Mitral Repair System Currently Under Clinical Study in the US

**Training Pavilion, Hall F**

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<td>8:00</td>
<td>Didactic Session: Disease Overview Product Overview and Case Reviews and Clinical Trial Overview</td>
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<tr>
<td>8:45</td>
<td>Device Demonstration</td>
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</table>

**Faculty:** Scott Lim, Robert L. Smith

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**Another Notch on Your Complex PCI Tool Belt – A Journey to LASER Competence**

**Training Pavilion, Hall F**

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**What You Need to Know Regarding the CLASP IID/IIF Pivotal Trial: Novel Mitral Repair System Currently Under Clinical Study in the US**

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</table>

**Faculty:** Sanjog Kalra, Ajay J. Kirtane
FRIDAY, SEPTEMBER 27, 2019
10:00 AM - 11:30 AM
Training Pavilion, Hall F

What You Need to Know Regarding the CLASP IID/IIIF Pivotal Trial: Novel Mitral Repair System Currently Under Clinical Study in the US
Training Pavilion Faculty: Scott Lim, Robert L. Smith

10:00 AM Didactic Sessions: Disease Overview Product Overview and Case Reviews and Clinical Trial Overview
10:45 AM Device Demonstration

FRIDAY, SEPTEMBER 27, 2019
12:00 PM - 1:30 PM
Training Pavilion, Hall F

World Launch of the Edwards BENCHMARK Program: Improving Patient Access and Outcomes Without Compromising Safety - Consistent Outcomes, Agnostic of Volume

12:00 PM Didactic Sessions
1:00 PM Application: Using the App

FRIDAY, SEPTEMBER 27, 2019
2:00 PM - 3:30 PM
Training Pavilion, Hall F

World Launch of the Edwards BENCHMARK Program: Improving Patient Access and Outcomes Without Compromising Safety - Consistent Outcomes, Agnostic of Volume

2:00 PM Didactic Sessions

CONSIDERATIONS FOR MANAGING TAVR AND CONCOMMITENT CORONARY ARTERY DISEASE (CAD) IN THIS NEW WORLD

FRIDAY, SEPTEMBER 27, 2019
4:00 PM - 5:30 PM
Training Pavilion, Hall F

Considerations for Managing TAVR and Concomitant Coronary Artery Disease (CAD) in This New World

4:00 PM Didactic Sessions: Recent Publications
4:30 PM Case Review

BE CALCULATED: OPTIMIZING PREPARATION OF CALCIFIED CORONARY LESIONS

FRIDAY, SEPTEMBER 27, 2019
8:00 AM - 9:30 AM
Training Pavilion, Hall F

Be Calculated: Optimizing Preparation of Calcified Coronary Lesions
Training Pavilion Faculty: Nirat Beohar, Prashant Kaul, Ashok Kondur, Rajesh V. Swaminathan

8:00 AM Introduction
8:05 AM Didactic Including Case Review
8:50 AM Hands On

FRIDAY, SEPTEMBER 27, 2019
10:00 AM - 11:30 AM
Training Pavilion, Hall F
10:00 AM - 11:30 AM
Be Calculated: Optimizing Preparation of Calcified Coronary Lesions
Training Pavilion Faculty: Khaldoon F. Alaswad, Rohit Bhatheja, Mitul Patel, George Revtyak

10:00 AM  Introduction
10:05 AM  Didactic With Case Review
10:50 AM  Hands On

ESSENTIAL GUIDEWIRE AND MICROCATHER TECHNIQUES FOR COMPLEX PCI

FRIDAY, SEPTEMBER 27, 2019
2:00 PM - 3:30 PM
Training Pavilion, Hall F

2:00 PM - 3:30 PM
Essential Guidewire and Microcatheter Techniques for Complex PCI
Training Pavilion Faculty: David E. Kandzari, William Nicholson, Robert F. Riley

2:00 PM  Introduction
2:05 PM  Guidewire MC Considerations for Complex PCI
2:30 PM  Case Reviews and Applications of Techniques
2:45 PM  Microcatheter Selection and Proper Use
3:25 PM  Adjourn

LMCA INTERVENTION - 1

FRIDAY, SEPTEMBER 27, 2019
2:00 PM - 3:30 PM
Training Pavilion, Hall F

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Essential Guidewire and Microcatheter Techniques for Complex PCI
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3:25 PM  Adjourn

LEFT ATRIAL APPENDAGE EXCLUSION - 1

FRIDAY, SEPTEMBER 27, 2019
9:30 AM - 10:30 AM
Moscone South, Lower Level, Exhibit Hall, Moderated Posters 2
MANAGEMENT OF ANTIPLATELET THERAPY AND ANTICOAGULATION IN PATIENTS UNDERGOING PCI - 3

Management of Antiplatelet Therapy and Anticoagulation in Patients Undergoing PCI - 3

Coronary: Core

Friday, September 27, 2019
9:30 AM - 10:30 AM
Moscone South, Lower Level, Exhibit Hall, Moderated Posters 1

9:30 AM - 10:30 AM
Management of Antiplatelet Therapy and Anticoagulation in Patients Undergoing PCI - 3
Moderators: Dimitrios Alexopoulos, William J. FrenchDiscussants: Gennaro Giustino, Hyo-Soo Kim, Michael A. Kutzer, Gary L. Schaer

9:30 AM
TCT 406: Clinical Impact of DAPT Cessation Within 12 Months of Drug Eluting Stent Implantation in Caucasians and Minorities: Insights From the PLATINUM Diversity and PROMUS Element Plus Post Approval Study

Presenting Author: Jacob Odenstedt
Discussion

9:37 AM
TCT 407: Adherence to dual antiplatelet therapy and long term outcome of drug eluting or bare metal stents: A Korean nationwide longitudinal real world cohort study
Presenting Author: Jung Min Min Khoi
Discussion

9:47 AM
TCT 408: Impact of dedicated dual antiplatelet therapy with low dose prasugrel on mid term vascular response after everolimus eluting stent implantation
Presenting Author: Takayoshi Toba
Discussion

9:57 AM
TCT 409: A Novel Ticagrelor Coated Stent to Eliminate the Need for Dual Anti Platelet Therapy Post PCI
Presenting Author: Jared Romeo
Discussion

10:07 AM
Presenting Author: Hiroyuki Jinnouchi
Discussion

10:17 AM
TCT 411: Predictors for Early Discontinuation of Ticagrelor in Patients with Acute Coronary Syndrome.
Presenting Author: Sang Hyun Park
Discussion

10:27 AM

NATURAL HISTORY AND MANAGEMENT OF BICUSPID AORTIC VALVE DISEASE

Natural History and Management of Bicuspid Aortic Valve Disease

Structural: Valve

Friday, September 27, 2019
9:30 AM - 10:20 AM
Moscone South, Lower Level, Exhibit Hall, Moderated Posters 1

9:30 AM - 10:20 AM
Natural History and Management of Bicuspid Aortic Valve Disease
Moderators: Michael A. Borgcr, Catherine M. OttoDiscussants: David R. Holmes Jr., Igor F. Palacios

9:30 AM
TCT 424: Systematic Review and Pooled Analysis of New versus Old Generation Valves for Transcatheter Aortic Valve Replacement in Bicuspid Aortic Stenosis
Presenting Author: Nausharwan Butt
Discussion

9:37 AM
TCT 426: TAVR vs. SAVR for Bicuspid Aortic Valve
Presenting Author: John Cyril Lisko DUPE
Discussion

9:47 AM
TCT 427: Metaanalysis Comparing Safety and Outcomes After Transcatheter Aortic Valve Replacement in Bicuspid Aortic Stenosis
Presenting Author: Davide Cao
Discussion

9:57 AM
TCT 428: Impact of dedicated dual antiplatelet therapy with low dose prasugrel on mid term vascular response after everolimus eluting stent implantation
Presenting Author: Takayoshi Toba
Discussion

10:07 AM
TCT 429: A Novel Ticagrelor Coated Stent to Eliminate the Need for Dual Anti Platelet Therapy Post PCI
Presenting Author: Jared Romeo
Discussion

10:17 AM
Presenting Author: Hiroyuki Jinnouchi
Discussion

10:27 AM
TCT 431: Predictors for Early Discontinuation of Ticagrelor in Patients with Acute Coronary Syndrome.
Presenting Author: Sang Hyun Park
Discussion
OUTCOMES AFTER PRIMARY PCI - 5

Outcomes After Primary PCI - 5
Coronary: CHIP

FRIDAY, SEPTEMBER 27, 2019
9:30 am - 10:30 am
The Moscone Center

9:30 am - 10:30 am
Outcomes After Primary PCI - 5
Moderators: Maurizio Menichelli, Evgeny V. Merkulov Discussants: John C. Messenger, Zuzana Motovska, Alexey A. Protopopov, Richard A. Schatz

9:30 am TCT 512: Cost Effective AMI Coverage for a Hundred Million Population with Telemedicine Networks
Presenting Author: Sameer Mehta

9:37 am Discussion

9:40 am TCT 507: Network Latency and Long distance Robotic Telestenting: Exploring the Potential Impact of Network Delays on Telestenting Performance
Presenting Author: Paulina Phomvongsa

9:47 am Discussion

9:50 am TCT 508: Telemedicine Without Borders
Presenting Author: Sameer Mehta

9:57 am Discussion

10:00 am TCT 509: Trends in the Management of ST segment Elevation Myocardial Infarction STEMI: Insights from a Regional STEMI Program 2003 2018
Presenting Author: Santiago Garcia

10:07 am Discussion

10:10 am TCT 510: SYNTAX Score II Application for Prediction of Heart Failure Development in Patients with STEMI Undergoing Primary Percutaneous Coronary Intervention
Presenting Author: Fernando Gómez Peña

10:17 am Discussion

Presenting Author: Muhammad Rashid

10:27 am Discussion

PERIPHERAL VASCULAR INTERVENTION - 2

Peripheral Vascular Intervention - 2
Vascular

FRIDAY, SEPTEMBER 27, 2019
9:30 am - 10:30 am
Moscone South, Lower Level, Exhibit Hall, Moderated Posters 3

9:30 am - 10:30 am
Peripheral Vascular Intervention - 2
Moderators: John Moriarty Discussants: Farrell O. Mendelsohn, Ramon L. Varcoe, Ramzan M. Zakir

9:30 am TCT 557: Clinical outcomes of atherectomy use for the treatment of symptomatic peripheral vascular disease
Presenting Author: Mohammad Mehdi Ansari

9:37 am Discussion

9:40 am TCT 558: Very Long Term Clinical Outcomes After Endovascular TherapyFor Peripheral Arterial Disease
Presenting Author: Tomonori Katsuki

9:47 am Discussion

9:50 am TCT 559: In hospital Outcomes and Trends of Endovascular Intervention vs Surgical Revascularization among Octogenarian Patients with Peripheral Artery Disease
Presenting Author: Homam Moussa Pacha

9:57 am Discussion

10:00 am TCT 560: Impact of Infrapopliteal Run off on Clinical Outcomes following Endovascular Intervention in Patients with Iliac and Superficial Femoral Arterial Disease
Presenting Author: Woohyeun Kim

10:07 am Discussion

10:10 am TCT 561: The Lesion and Procedure Characteristics Associated with Easy to Recanalize for Chronic Total Occlusion of the Superficial Femoral Artery in Endovascular Treatment
Presenting Author: Yutaka Tadano

10:17 am Discussion

10:20 am TCT 562: Target lesion revascularization after percutaneous revascularization of lower limb arteries
Presenting Author: Gerardo Nau

10:27 am Discussion

PHYSIOLOGIC LESION ASSESSMENT - 3

Physiologic Lesion Assessment - 3
Coronary: Core

FRIDAY, SEPTEMBER 27, 2019
9:30 am - 10:30 am
Moscone South, Lower Level, Exhibit Hall, Moderated Posters 6
REvascularization in Patients With Diabetes - 2

**Bioresorbable Scaffolds - 3**

**Bioreosorbable Scaffolds - 3**

**Coronary: Core**

**Friday, September 27, 2019**

9:30 AM - 11:30 AM
Moscone South, Lower Level, Exhibit Hall, Moderated Posters 4

**10:30 AM - 11:30 AM**
Bioreosorbable Scaffolds - 3

Moderators: Arif Al Nooryani, Sundeep Mishra
Discussants: Salvatore Cassese, Sunao Nakamura, David G. Rizik, Manel Sabate

10:30 AM TCT 176: Implantation of Thin Strut Sirolimus Eluting Bioreosorbable Vascular Scaffold in Patients With de novo Coronary Artery Lesions: Two year Clinical and Six month Imaging Outcomes of the Memele 1 Extend Trial

Presenting Author: Sasko Kedev

10:37 AM Discussion
10:40 AM TCT 177: Long Term Serial Functional Evaluation After Implantation of the Fantom Sirolimus Eluting Bioresorbable Coronary Scaffold: The FANTOM II study  
Presenting Author: Yuichi Saito

10:47 AM Discussion

10:50 AM TCT 178: Intravascular Ultrasound Predictors of Long term Outcomes Following ABSORB Bioresorbable Scaffold Implantation: A Pooled Analysis of the ABSORB III and ABSORB Japan Trials  
Presenting Author: Takeshi Nishi

10:57 AM Discussion

11:00 AM TCT 179: The influence of increasing stent length on outcomes in Absorb BVS or Xience EES treated patients in routine clinical PCI practice AIDA trial substudy  
Presenting Author: Ruben Tijssen

11:07 AM Discussion

11:10 AM TCT 180: Neointimal Tissue Coverage and Characterization Assessment Using Optical Coherence Tomography Surveillance Six Months After Implantation of Bioresorbable Scaffolds Versus Conventional Everolimus Eluting Stents in ISAR Absorb MI Trial  
Presenting Author: Himanshu Rai

11:17 AM Discussion

11:20 AM TCT 181: 5 year Outcomes of Patients Undergoing Everolimus eluting Bioresorbable Scaffold Implantation during Daily Clinical Routine Final Results from the ISAR Absorb Registry  
Presenting Author: Jens Wiebe

11:27 AM Discussion

DRUG-ELUTING STENT STUDIES - 3

Coronary: Core

FRIYDAY, SEPTEMBER 27, 2019  
10:30 AM - 11:30 AM  
Moscone South, Lower Level, Exhibit Hall, Moderated Posters 8

10:30 AM - 11:30 AM
Drug-Eluting Stent Studies - 3  
Moderators: Philippe E. Gaspard  
Discussants: Henning Kelbæk, Young-Hak Kim, Scott Kinlay

10:30 AM TCT 288: The Use of New Bionanopolymer Stent Coatings for Coronary Stenting  
Presenting Author: Dmitry P. Stolyarov

10:37 AM Discussion

10:40 AM TCT 289: Primary Endpoint Results of the World Wide WIN Registry Assessing a Self Apposing Stent for Revascularization of Coronary Arteries in Routine Clinical Practice  
Presenting Author: Samer Somi

10:47 AM Discussion

10:50 AM TCT 290: Outcomes after Revascularization with a Polymer Free Biolimus Eluting BioFreedom Stent or a Biodegradable Polymer Ultrathin Strut Sirolimus Eluting Orsiro Stent in Patients with and without Acute Coronary Syndromes. From the SORT OUT IX Trial

10:47 AM Discussion

10:50 AM TCT 291: Percutaneous Coronary Intervention versus Optimal Medical Therapy for Chronic Total Coronary Occlusions: A Systematic Review and Meta analysis of Randomized Trials  
Presenting Author: Anna van Veelen

10:57 AM Discussion

11:00 AM TCT 292: Clinical outcomes of percutaneous coronary intervention for ostial left anterior descending artery chronic total occlusion  
Presenting Author: Euihong Ko

11:07 AM Discussion

11:10 AM TCT 293: Contemporary characteristics and outcomes of Percutaneous Coronary Intervention for Chronic Total Occlusion in Japan: Comparison Between Two Major Japanese Multicenter Registries  
Presenting Author: Shunsuke Matsuno

11:17 AM Discussion

11:20 AM TCT 294: Predictors for Long term Target Lesion Revascularization of Successful Recanalized Coronary Chronic Total Occlusion Using Drug Eluting Stents  
Presenting Author: Lei Song

11:27 AM Discussion

CHRONIC TOTAL OCCLUSIONS - 1

FRIDAY, SEPTEMBER 27, 2019  
10:30 AM - 11:30 AM  
Moscone South, Lower Level, Exhibit Hall, Moderated Posters 6

10:30 AM - 11:30 AM
Chronic Total Occlusions - 1  
Moderators: Darshan Doshi, James Sapontis  
Discussants: Yasushi Asakura, Waleed El Awady, Miroslaw Ferenc, Alfredo R. Galassi

10:30 AM TCT 212: Reasonable Recanalization of Chronic Total Occlusion Improves Long Term Clinical Outcomes: Data from 2659 Consecutive Patients  
Presenting Author: Lihua Xie

10:37 AM Discussion

10:40 AM TCT 213: Immediate and 5 Year Results of Percutaneous Coronary Intervention in In Stent Restenotic Chronic Total Occlusion: Data from 2659 Consecutive Patients  
Presenting Author: Tianjie Wang

10:47 AM Discussion

10:50 AM TCT 214: Percutaneous Coronary Intervention versus Optimal Medical Therapy for Chronic Total Coronary Occlusions: A Systematic Review and Meta analysis of Randomized Trials  
Presenting Author: Anna van Veelen

10:57 AM Discussion

11:00 AM TCT 215: Clinical outcomes of percutaneous coronary intervention for ostial left anterior descending artery chronic total occlusion  
Presenting Author: Euihong Ko

11:07 AM Discussion

11:10 AM TCT 216: Contemporary characteristics and outcomes of Percutaneous Coronary Intervention for Chronic Total Occlusion in Japan: Comparison Between Two Major Japanese Multicenter Registries  
Presenting Author: Shunsuke Matsuno

11:17 AM Discussion

11:20 AM TCT 217: Predictors for Long term Target Lesion Revascularization of Successful Recanalized Coronary Chronic Total Occlusion Using Drug Eluting Stents  
Presenting Author: Lei Song

11:27 AM Discussion
10:57 am | 11:00 am  
**Presentation:** TCT 291: Comparison of Thromboreistance between Everolimus eluting Fluoropolymer Stent and Currently Available Drug Eluting Stent in an Ex Vivo Swine Shunt Model under Only Single Anti platelet Therapy  
**Presenting Author:** Christian Oliver Fallesen

11:07 am | 11:10 am  
**Presentation:** TCT 292: Five Years Comparison of Vessel Remodeling Between a Thin Strut Non Drug Eluting Biodegradable Stent and Bare Metal Stent in Porcine Coronary Arteries  
**Presenting Author:** Hiroyuki Jinnouchi

11:17 am | 11:20 am  
**Presentation:** TCT 293: Influence of Stent Length on Clinical Outcome in Biodegradable or Durable Polymer Drug Eluting Stent in Patients With Acute Myocardial Infarction  
**Presenting Author:** Marco Ferrone

11:27 am | 11:30 am  
**Presentation:** TCT 388: Very Long Term ≥10 Years Safety and Effectiveness of Drug Eluting or Bare Metal Stents for Unprotected Left Main Coronary Disease  
**Presenting Author:** Han-bit Park

10:30 am - 11:30 am  
**LMCA Intervention - 2**

10:30 am - 11:30 am  
**Moderators:** Dietmar H. Glogar, Victor Guetta  
**Discussants:** Ning Guo, Stuart Head, Javaid Iqbal, Sasko Kedev

10:30 am | 10:37 am  
**Presentation:** TCT 388: Very Long Term ≥10 Years Safety and Effectiveness of Drug Eluting or Bare Metal Stents for Unprotected Left Main Coronary Disease  
**Presenting Author:** Han-bit Park

10:40 am | 10:47 am  
**Presentation:** TCT 389: Prospective Evaluation of the Drug Eluting Self Apposing Stent for the Treatment of Unprotected Left Main Coronary Artery Disease: 2 Year Results of the TRUNC Study  
**Presenting Author:** Corrado Tamburino

10:50 am | 10:57 am  
**Presentation:** TCT 390: Impact of SYNTAX Score on Long Term Clinical Outcomes in Patients Treated With New Generation Drug Eluting Stents for Unprotected Left Main Disease  
**Presenting Author:** Takashi Hiromasa

10:57 am | 11:00 am  
**Presentation:** TCT 391: 10 Year Clinical Outcomes After Stents versus Coronary Artery Bypass Grafting for Left Main Coronary Artery Disease According to Lesion Location: Results From the MAIN COMPARE registry  
**Presenting Author:** Junho Hyun

11:00 am | 11:07 am  
**Presentation:** TCT 392: In Hospital Outcomes of ST Segment Elevation Myocardial Infarction Involving the Left Main Coronary Artery: Insights from the National Inpatient Sample  
**Presenting Author:** Mohamed Omer

11:07 am | 11:17 am  
**Presentation:** TCT 393: A real world registry of patients with left main coronary artery stent restenosis: Clinical angiographic characteristics therapeutic management and long term follow up.  
**Presenting Author:** Luis marcos rojas

11:17 am | 11:20 am  
**Presentation:** TCT 394: 10 Year Clinical Outcomes After Stents versus Coronary Artery Bypass Grafting for Left Main Coronary Artery Disease According to Lesion Location: Results From the MAIN COMPARE registry  
**Presenting Author:** Junho Hyun

11:20 am | 11:27 am  
**Presentation:** TCT 395: In Hospital Outcomes of ST Segment Elevation Myocardial Infarction Involving the Left Main Coronary Artery: Insights from the National Inpatient Sample  
**Presenting Author:** Mohamed Omer

11:27 am | 11:30 am  
**Presentation:** TCT 396: A real world registry of patients with left main coronary artery stent restenosis: Clinical angiographic characteristics therapeutic management and long term follow up.  
**Presenting Author:** Luis marcos rojas

11:30 am - 12:00 pm  
**Left Atrial Appendage Exclusion - 2**

11:30 am - 12:00 pm  
**Moderators:** Jason H. Rogers, Apostolos Tzikas  
**Discussants:** Anibal A. Damonte, Petr Neuzil, David E. Thaler

11:30 am | 11:37 am  
**Presentation:** TCT 376: Randomized Trial of Conventional Transseptal Needle Versus Radiofrequency Energy Needle Puncture for Left Atrial Access during Cryoablation the CRYO LATS Study  
**Presenting Author:** Jason Andrade

11:40 am | 11:47 am  
**Presentation:** TCT 377: Use of Novel Oral Anticoagulation Therapy Alone NOAC Versus NOAC in Conjunction with Aspirin for Anticoagulation Following Implantation of the Watchman Left Atrial Appendage Closure Device  
**Presenting Author:** Benita Tjoe

11:50 am | 11:57 am  
**Presentation:** TCT 378: Percutaneous Left Atrial Appendage Closure in Female Patients  
**Presenting Author:** Konstantinos Voudris

12:00 am | 12:17 am  
**Presentation:** TCT 379: First experience with the ExpanSure Dilation System to streamline transseptal puncture for left atrial appendage closure  
**Presenting Author:** Jacqueline Saw

12:17 am | 12:30 am  
**Presentation:** TCT 380: Feasibility of LAmbre in Occluding Large Left Atrial Appendage  
**Presenting Author:** So Chak Yu

10:30 am - 11:30 am  
**Left Atrial Appendage Exclusion - 2**

10:30 am - 11:30 am  
**Moderators:** Jason H. Rogers, Apostolos Tzikas  
**Discussants:** Anibal A. Damonte, Petr Neuzil, David E. Thaler

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**Presentation:** TCT 378: Percutaneous Left Atrial Appendage Closure in Female Patients  
**Presenting Author:** Konstantinos Voudris

11:00 am | 11:07 am  
**Presentation:** TCT 379: First experience with the ExpanSure Dilation System to streamline transseptal puncture for left atrial appendage closure  
**Presenting Author:** Jacqueline Saw

11:07 am | 11:10 am  
**Presentation:** TCT 380: Feasibility of LAmbre in Occluding Large Left Atrial Appendage  
**Presenting Author:** So Chak Yu
Discussion

TCT 381: TAVR Patients at high Risk for Bleeding Value of LAAO in this special cohort
Presenting Author: Felix Woitek

NATURAL HISTORY AND MANAGEMENT OF MITRAL AND TRICUSPID VALVE DISEASE - 6

Natural History and Management of Mitral and Tricuspid Valve Disease - 6

Structural: Valve

FRIDAY, SEPTEMBER 27, 2019
10:30 AM - 11:30 AM
Moscone South, Lower Level, Exhibit Hall, Moderated Posters 1

10:30 AM Natural History and Management of Mitral and Tricuspid Valve Disease - 6
Moderators: Satya Shreenivas, Wilson Y. Szeto
Discussants: James S. Gammie, Michael J. Lim, Eliano Pio Navarese, Joachim Schofer

10:30 AM TCT 460: Aorto Mitral Angulation and Neo LVOT in Transcatheter Mitral Valve Replacement
Presenting Author: Georg Lutter

10:37 AM Discussion

Presenting Author: Chris Kovach

10:47 AM Discussion

10:50 AM TCT 462: Valvular Remodeling and Myocyte Dysfunction at an Early Stage of Ischemic Mitral Regurgitation in a Relevant Translational Pig Model
Presenting Author: Ouafa Hamza

10:57 AM Discussion

11:00 AM TCT 463: Transcatheter Mitral Valve Replacement in a Series of Ten Compassionate Use Cases With Mid Term Follow up
Presenting Author: Sebastian Ludwig

11:07 AM Discussion

11:10 AM TCT 464: The Volume Outcomes for Percutaneous Mitral Valve Repair MitraClip Procedure in a US Registry
Presenting Author: Jad Omran

11:17 AM Discussion

11:20 AM TCT 465: Automatic Identification and Quantification of the Mitral Annulus for Consistent TMVR Planning A Preliminary Study
Presenting Author: Janelle Schrot

11:27 AM Discussion

OUTCOMES AFTER PRIMARY PCI - 6

Outcomes After Primary PCI - 6

Coronary: CHIP

FRIDAY, SEPTEMBER 27, 2019
10:30 AM - 11:30 AM
The Moscone Center

10:30 AM - 11:30 AM
Outcomes After Primary PCI - 6
Moderators: Debabrata Mukherjee, Francesco Pelliccia
Discussants: Jorge F. Saucedo, Richard Smalling

10:30 AM TCT 513: Endovascular Therapeutic Hypothermia is Feasible as an Adjuvant Therapy in Acute ST Segment Elevation Myocardial Infarction Patients Without Delay in Door to Balloon Time
Presenting Author: Luis Dallan

10:37 AM Discussion

10:40 AM TCT 514: LATIN Telemedicine Demonstrates Longitudinal Cost Savings from Avoiding Unnecessary Transfer of Patients
Presenting Author: Sameer Mehta

10:47 AM Discussion

10:50 AM TCT 515: Marked Variability and Regional Constraints: Observations From a Population based and Telemedicine guided STEMI Program
Presenting Author: Sameer Mehta

10:57 AM Discussion

11:00 AM TCT 516: A New Scoring System for Prediction of No Reflow in Patients with ST elevation Myocardial Infarction
Presenting Author: Ivan Bessonov

11:07 AM Discussion

11:10 AM TCT 517: The KAsh Score Predicts Long Term Mortality After Acute Myocardial Infarction
Presenting Author: Joel Monteiro

11:17 AM Discussion

11:20 AM TCT 518: Utility of Troponin and Creatine Kinase in Predicting Myocardial Infarct Size Left Ventricular Dysfunction and Clinical Outcomes After Acute Anterior Myocardial Infarction: The INFUSE AMI Trial
Presenting Author: Bahira Shahim

11:27 AM Discussion

PERIPHERAL VASCULAR INTERVENTION - 3

Peripheral Vascular Intervention - 3

Vascular

FRIDAY, SEPTEMBER 27, 2019
10:30 AM - 11:30 AM
Moscone South, Lower Level, Exhibit Hall, Moderated Posters 3
10:30 AM - 11:30 AM
Peripheral Vascular Intervention - 3
Moderators: Bagrat Alekyan
Discussants: Alex Chebl, Tony Das, Peter P. Monteleone

10:30 AM
TCT 563: Improved Remodelling with TEVAR and Distal Bare Metal Stent PETTICOAT in Patients With Acute Complicated Type B Aortic Dissection 1 year Results of A Multicentre Study in Survivors of Type B Aortic Dissection Undergoing Stenting ASSIST
Presenting Author: XUN YUAN

10:37 AM
Discussion

10:40 AM
TCT 564: Long term clinical outcomes of patients undergoing percutaneous intervention of transplanted renal artery stenosis
Presenting Author: Gustavo Feitosa

10:47 AM
Discussion

10:50 AM
Presenting Author: Twinkle Singh

10:57 AM
Discussion

11:00 AM
TCT 566: Iliofemoral Vein Compression is Caused by the Pubic Bone Not the Inguinal Ligament
Presenting Author: Christopher Cheng

11:07 AM
Discussion

11:10 AM
TCT 567: Outcomes of Covered Versus Bare Metal Stents in the Treatment of Subclavian Artery Stenosis
Presenting Author: David Signarovitz

11:17 AM
Discussion

11:20 AM
TCT 568: Effectiveness and Safety of Vacuum Assisted Thrombectomy Device AngioVac for Extraction of Vegetations on Intra cardiac Devices and Valves Prior to Device Removal: A Single Center Experience
Presenting Author: Priyanka Ghosh

11:27 AM
Discussion

ALCOHOL SEPTAL ABLATION/HOCM

Alcohol Septal Ablation/HOCM
Structural: Non-Valve

FRIDAY, SEPTEMBER 27, 2019
11:30 AM - 12:30 PM
Moscone South, Lower Level, Exhibit Hall, Moderated Posters 5

11:30 AM - 12:30 AM
Alcohol Septal Ablation/HOCM
Moderators: George S. Hanzel, Hubert Seggewiss
Discussants: Mayra Guerrero, Igor F. Palacios

11:30 AM
TCT 128: Impact of Gender on Clinical Outcomes of Septal Myectomy vs Alcohol Septal Ablation for Hypertrophic Cardiomyopathy in the United States
Presenting Author: Alejandro Lemor

11:37 AM
Discussion

11:40 AM
TCT 129: Age Stratified Analysis for Patients with Hypertrophic Cardiomyopathy Undergoing Alcohol Septal Ablation or Septal Myectomy.
Presenting Author: Alejandro Lemor

11:47 AM
Discussion

11:50 AM
TCT 130: When Can Patients be Safely Discharged After Alcohol Septal Ablation Incidence and Timing of Post Ablation Complete Heart Block and Ventricular Tachycardia
Presenting Author: Bassim El-Sabawi

11:57 AM
Discussion

12:00 AM
TCT 131: Alcohol Septal Ablation in Patients With Obstructive Hypertrophic Cardiomyopathy Leads to Sustained Long Term Benefits: A Single Centre Experience
Presenting Author: Micha Dorsch

12:07 AM
Discussion

12:10 AM
TCT 132: Simultaneous Interventional Treatment of Patients With Hypertrophic Obstructive Cardiomyopathy and Coexisting Coronary Artery Disease
Presenting Author: Stanislav Fanta

12:17 AM
Discussion

12:20 AM
TCT 133: A Novel concept of catheter based radiofrequency ablation for hypertrophic obstructive cardiomyopathy Cerclage RF Ablation: preliminary animal experiments in swine model
Presenting Author: Min-Ku Chon

12:27 AM
Discussion
CHRONIC TOTAL OCCLUSIONS - 2

**Chronic Total Oclusions - 2**

**Coronary: Core**

**FRIDAY, SEPTEMBER 27, 2019**

**11:30 am - 12:30 pm**

**Chronic Total Occlusions - 2**

**Moderators:** Khaldoon F. Alaswad  
**Discussants:** Arif Al Nooryani, Parag Barwad, Raja Hatem, Satoru Sumitsuji

**11:30 am**

**TCT 218:** The Efficacy and Safety of Transradial and Transfemoral Approach in Treatment of Coronary Chronic Total Occlusion: A Systematic Review and Meta Analysis  
*Presenting Author: Mohamad Soud*

**11:37 am**

**Discussion**

**11:40 am**

**TCT 219:** In Hospital Outcomes of Chronic Total Occlusion Treated with Percutaneous Coronary Intervention VS. Coronary Artery Bypass Graft  
*Presenting Author: FANGCHENG WU*

**11:47 am**

**Discussion**

**11:50 am**

**TCT 220:** Temporal Trends in Chronic Total Occlusion Percutaneous Coronary Interventions: Insights From the PROGRESS CTO Registry  
*Presenting Author: Evangelia Vemmou*

**11:57 am**

**Discussion**

**12:00 pm**

**TCT 221:** Initial Report of Safety and Feasibility of Robotic Assisted Chronic Total Occlusion Coronary Intervention  
*Presenting Author: Arnav Kumar*
## TAVR: Clinical Access and Cost-Effectiveness - 1

### TAVR: Clinical Access and Cost-Effectiveness - 1

**FRIDAY, SEPTEMBER 27, 2019**

**11:30 AM - 12:30 PM**

**The Moscone Center**

**Moderators:** Aaron Horne, Jr., Cheryl Pegus

**Discussants:** Suzanne J. Baron, Robert M. Bersin, Bernadette S. Speiser, Bonnie H. Weiner

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Presenting Author</th>
</tr>
</thead>
<tbody>
<tr>
<td>11:30 AM</td>
<td>TCT 739: Impact of waiting time from referral to procedural date in patients undergoing transcatheter aortic valve replacement</td>
<td>Janarthanan Sathananthan</td>
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<tr>
<td>11:37 AM</td>
<td>Discussion</td>
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<td>11:40 AM</td>
<td>TCT 740: Association between surgical risk profiles and total cost or resource utilization after transcatheter aortic valve replacement</td>
<td>Alexis Okoh</td>
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<tr>
<td>11:47 AM</td>
<td>Discussion</td>
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<td>11:50 AM</td>
<td>TCT 741: Cost Effectiveness of Transcatheter Aortic Valve Replacement in Patients at Low Surgical Risk: Initial Results Based on One year Outcomes From the Evolut Low Risk Trial</td>
<td>Paul S. Teirstein</td>
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<td>11:57 AM</td>
<td>Discussion</td>
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<tr>
<td>12:00 PM</td>
<td>TCT 742: Comparison of Year Over Year U.S. Hospital Costs BetweenTranscatheter Aortic Valve Replacement TAVR and Surgical Aortic Valve Replacement SAVR</td>
<td>Carlos E. Sanchez</td>
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<td>Discussion</td>
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<tr>
<td>12:10 PM</td>
<td>TCT 743: Comparison of Patient and Clinical Factors Within Echocardiogram Reports to Predict Disparity in Care of Patients With Severe Aortic Stenosis</td>
<td>Hemal Gada</td>
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<td>12:17 PM</td>
<td>Discussion</td>
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<td>12:20 PM</td>
<td>TCT 744: Our Experience With TAVR Accessibility</td>
<td>Frank Annie</td>
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<td>12:27 PM</td>
<td>Discussion</td>
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## TAVR: Valve-in-Valve - 2

### TAVR: Valve-in-Valve - 2

**FRIDAY, SEPTEMBER 27, 2019**

**11:30 AM - 12:20 PM**

**The Moscone Center**

**Moderators:** Robert J. Cubeddu, Harold L. Dauerman

**Discussants:** Chandan Devireddy, Gregory P. Fontana, Kentaro Hayashida, David Hildick-Smith

<table>
<thead>
<tr>
<th>Time</th>
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<th>Presenting Author</th>
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<tbody>
<tr>
<td>11:30 AM</td>
<td>TCT 760: 30 day echocardiographic assessment of self-expanding and balloon expandable valves after Valve-in-Valve Transcatheter Aortic valve replacement in patients with small surgical prostheses.</td>
<td>Marloe Prince</td>
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<td>11:37 AM</td>
<td>Discussion</td>
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<td>11:40 AM</td>
<td>TCT 761: Hemodynamic Performances and Clinical Outcomes in Patients Undergoing Valve-in-valve Versus Native Transcatheter Aortic Valve Implantation.</td>
<td>Alexandra MEILHAC</td>
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<td>11:47 AM</td>
<td>Discussion</td>
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<tr>
<td>11:50 AM</td>
<td>TCT 762: Valve-in-Valve TAVR in Degenerated Aortic Valve Prostheses with Externally Mounted Leaflets</td>
<td>Magdalena Erlebach</td>
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<tr>
<td>11:57 AM</td>
<td>Discussion</td>
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<tr>
<td>12:00 PM</td>
<td>TCT 763: Valve-in-valve transcatheter aortic valve replacement versus redo surgical aortic valve replacement: real world outcomes from the National Inpatient Sample 2013 - 2016</td>
<td>Grant Kim</td>
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<td>12:07 AM</td>
<td>Discussion</td>
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<tr>
<td>12:10 AM</td>
<td>TCT 764: Comparison of 3rd Generation Self-expanding and Balloon expandable Devices in Valve in Valve Treatment of Failing Aortic Valve Bioprostheses</td>
<td>Felix Woitek</td>
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<td>12:17 AM</td>
<td>Discussion</td>
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</table>

## Treatment of Congenital Heart Diseases - 1

### Treatment of Congenital Heart Diseases - 1

**FRIDAY, SEPTEMBER 27, 2019**

**11:30 AM - 12:30 PM**

**Moscone South, Lower Level, Exhibit Hall, Moderated Posters 8**

**Moderators:**

**Discussants:**
11:30 AM - 12:30 PM
Treatment of Congenital Heart Diseases - 1
Discussant: Doff B. McElhinney, Michael J. Mullen

11:30 AM TCT 765: Anatomical correlates of residual left to right shunt after suture based percutaneous closure of patent foramen ovale
Presenting Author: Gregory Sgueglia

11:37 AM Discussion

11:40 AM TCT 766: Relation of Patent Foramen Ovale to Acute Mountain Sickness
Presenting Author: Preetham Kumar

11:47 AM Discussion

11:50 AM TCT 767: Safety and Feasibility of Same Day Discharge Using the Vancouver PFOASD Clinical Pathway
Presenting Author: Madeleine Barker

11:57 AM Discussion

12:00 PM TCT 768: Suture mediated patent foramen ovale closure with NobleStitch: efficacy at three months transesophageal follow up
Presenting Author: Marco Ancona

12:07 PM Discussion

12:10 PM TCT 769: Aortic Remodeling in Patients Treated with Intravascular Stent Therapy for Coarctation: A Long term Follow Up Single Centre Experience
Presenting Author: Louise Pei

12:17 PM Discussion

12:20 PM TCT 770: Outcomes after Endograft Facilitated Transcatheter Pulmonary Valve Replacement for Failed Repair: Surgical vs Transcatheter Procedures
Presenting Author: Norihiko Kamioka

12:27 PM Discussion

ASSESSMENT OF PATIENTS WITH AORTIC STENOSIS OR AORTIC INSUFFICIENCY - 3
Assessment of Patients With Aortic Stenosis or Aortic Insufficiency - 3
Moderators: Ganesh Manoharan, Igor F. Palacios
Discussants: Thomas C. McAndrew, Christoph A. Nienaber, Patrick T. O’Gara, Anna Sonia Petronio

2:00 PM TCT 146: Are the three different types of aortic valve stenosis associated with a different level of calcium distribution and localization
Presenting Author: Kerstin Piayda

2:07 PM Discussion

2:10 PM TCT 147: Stress Aortic Valve Index SAVI with Dobutamine for Low Gradient Aortic Stenosis

VASCULAR ACCESS AND CLOSURE IN PCI - 2
Vascular Access and Closure in PCI - 2

FRIDAY, SEPTEMBER 27, 2019
11:30 AM - 12:30 PM
Moscone South, Lower Level, Exhibit Hall, Moderated Posters 2

11:30 AM - 12:30 PM
Vascular Access and Closure in PCI - 2
Moderators: Sasko Kedev
Discussants: Christos Bourantas, Dharam J. Kumbhani, Michael A. Kutcher

11:30 AM TCT 783: Feasibility of using radial access and 4Fr catheters for coronary pressure wire measurements
Presenting Author: asma mursleen

11:37 AM Discussion
TCT 148: Does Energy Loss Index Improve the Comparison of Echocardiographic Derived Aortic Valve Area Compared to Invasively Derived Aortic Valve Area Pre TAVR
Presenting Author: Rick Gaines
2:20 PM Discussion

TCT 149: ARE TROPONINS WORTH CHECKING NATIONWIDE STUDY COMPARING OUTCOMES OF PATIENTS WITH VERSUS WITHOUT TROPONINEMIA POST TRANSCATHETER AORTIC VALVE REPLACEMENT
Presenting Author: Hassaan Arshad
2:30 PM Discussion

TCT 150: Impact of Physiologic and Molecular Markers on the Progression of Calcific Aortic Valve Stenosis as Measured by Change in Aortic Valve Area: A Meta analysis and Meta regression
Presenting Author: Sareena George
2:40 PM Discussion

TCT 151: Elective Non cardiac Surgery in Patients with Severe Aortic Stenosis: Observations from the CURRENT AS Registry
Presenting Author: Tomohiko Taniguchi
2:50 PM Discussion

CHRONIC TOTAL OCCLUSIONS - 3

TCT 224: High Risk Chronic Total Occlusion Percutaneous Coronary Interventions Assisted with Tandem Heart
Presenting Author: Saroj Neupane
2:00 PM Discussion

TCT 225: Gender differences in long term outcomes of medical therapy and successful percutaneous coronary intervention for coronary chronic total occlusions
Presenting Author: Lei Guo
2:10 PM Discussion

TCT 226: ElectroCautery Facilitated Crossing ECFC of Chronic Total Occlusions
Presenting Author: Saroj Neupane
2:20 PM Discussion

TCT 227: Efficacy of Coronary Sinus Reducer in Patients with non Revascularized Chronic Total Occlusions: a Multicentre Experience
Presenting Author: Carlo Zivelonghi
2:30 PM Discussion

TCT 228: Impact of Mildly Impaired Renal Function on Clinical Outcomes of Percutaneous Coronary Intervention vs. Medical Therapy for Coronary chronic total occlusions
Presenting Author: Stefano Galli
2:40 PM Discussion
TCT 229: Outcomes of Investment Procedures in Chronic Total Occlusion Interventions
Presenting Author: Iosif Xenogiannis

TCT 242: Detection and Classification of Coronary Bifurcation Lesions by Using Artificial Intelligence
Presenting Author: Xuqing Liu

TCT 243: Rotablation approach for bifurcation lesions
Presenting Author: Jorge Palazuelos

TCT 244: Impact of Different Methods of Lesion Preparation on Side Branches in Calcified Coronary Bifurcations: A Subanalysis of the Randomized PREPARE CALC Trial.
Presenting Author: Abdelhakim Allali

TCT 245: Contemporary Bifurcation Treatment Practice: What We Can Learn From a Large Global Registry
Presenting Author: Bernard R. Chevalier

TCT 246: The Efficacy of Modified Jailed Balloon Technique for Bifurcation Lesions in Long term Follow up
Presenting Author: Koki Shishido

TCT 247: The relationship between Balloon Pressure and Mid term Restenosis in Second generation DES Implantation for Non left Main Trunk Bifurcation Lesions by Culotte Stenting
Presenting Author: KOYA OKABE

TCT 329: Full Hemodynamic Characterization Of Intracoronary Physiology: Merging Advanced Grayscale Intravascular Ultrasound With Fractional Flow Reserve
Presenting Author: Cristiano Guedes Bezerra

TCT 330: Accuracy of virtual coronary stenting using computed tomography derived fractional flow reserve
Presenting Author: Pepijn van Diemen

TCT 331: Correlation Between 3D QCA Based FFR and Quantitative Lumen Assessment by IVUS for Left Main Coronary Stenoses the FAST Left Main Study
Presenting Author: Mariusz Tomaniak

TCT 332: Pre op Diagnosis of Silent Coronary Ischemia Using CT derived Fractional Flow Reserve FFRC may Reduce Post op MI and Death in Patients Undergoing Peripheral Vascular Surgery
Presenting Author: Dains K. Krievins

TCT 333: Comparison of Diagnostic Accuracy between Quantitative Flow Ratio QFR Instantaneous Wave free Ratio iFR and DILEMMA score against Fractional Flow Reserve FFR
Presenting Author: Ojas Mehta

SVG Intervention

SVG Intervention - 2

SVG Intervention

Imaging-Derived Physiologic Lesion Assessment - 2

Imaging-Derived Physiologic Lesion Assessment - 2

Imaging-Derived Physiologic Lesion Assessment - 2

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Imaging-Derived Physio
### TAVR: Clinical Access and Cost-Effectiveness - 2

#### TAVR: Clinical Access and Cost-Effectiveness - 2

**FRIDAY, SEPTEMBER 27, 2019**

**2:00 PM - 3:00 PM**  
**TAVR: Clinical Access and Cost-Effectiveness - 2**

**Discussants:** Gary Gershony, Cheryl Pegus, Bernadette S. Speiser

<table>
<thead>
<tr>
<th>Time</th>
<th>Presentation Title</th>
<th>Presenting Author</th>
<th>Location</th>
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<tbody>
<tr>
<td>2:00 PM</td>
<td>TCT 745: Insights in to Sex Differences in Transfemoral Transcatheter Aortic Valve Implantation from 2007-2018: From the CENTER collaboration a global patient level analysis of 12,381 patients</td>
<td>Matias Yudi</td>
<td>The Moscone Center</td>
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<td>Discussion</td>
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<td>2:10 PM</td>
<td>TCT 746: Differences in Transcatheter Aortic Valve Replacement TAVR Outcomes by Gender and Race Over Time</td>
<td>Lian Wang</td>
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<td>TCT 748: Nurse Led Sedation: The Clinical and Echocardiographic Outcomes of the 7 Year Emory Experience</td>
<td>John Lisko</td>
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<td>TCT 749: The Influence of Severe Aortic Valve Stenosis on Five year Economic Outcomes Among Older Medicare Beneficiaries.</td>
<td>Abdulla Damluji</td>
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<td>2:50 PM</td>
<td>TCT 750: Hospital Inpatient Percutaneous Coronary Intervention Volume Does Not Impact Transcatheter Aortic Valve Replacement and MitraClip Outcomes</td>
<td>Neel Butala</td>
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<td>2:57 PM</td>
<td>Discussion</td>
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ATRIAL FIBRILLATION IN PATIENTS UNDERGOING CATHETER-BASED INTERVENTION

FRIDAY, SEPTEMBER 27, 2019
3:00 PM - 4:00 PM
The Moscone Center

Atrial Fibrillation in Patients Undergoing Catheter-Based Intervention

Moderators: Kurt Huber, Michael A. Kutcher
Discussants: Martin W. Bergmann, Petr Kola, Duk-Woo Park, Ramon Quesada

3:00 PM TCT 152: Use of the PRECISE DAPT score to predict mortality in patients with atrial fibrillation undergoing percutaneous coronary intervention. Presenting Author: Anum Asif

3:07 PM Discussion

3:10 PM TCT 153: Impact of Atrial Fibrillation on Revascularization Strategies in Patients with Acute Myocardial Infarction. Presenting Author: Poonam Bhyan

3:17 PM Discussion

3:20 PM TCT 154: In hospital Outcome of Endovascular Intervention vs Surgical Revascularization among Patients with Atrial Fibrillation. Presenting Author: Homam Moussa Pacha

3:27 PM Discussion

3:30 PM TCT 155: In hospital Outcomes and Trends of Limb Revascularization Procedures in Patients with and without Atrial Fibrillation. Presenting Author: Homam Moussa Pacha

3:37 PM Discussion

3:40 PM TCT 156: Patterns of Therapy Cessation in Patients with Atrial Fibrillation Undergoing Percutaneous Coronary Intervention: Insights from the AVIATOR 2 International Registry. Presenting Author: Ridhima Goel

3:47 PM Discussion


3:57 PM Discussion

INTRAVASCULAR IMAGING - 3

FRIDAY, SEPTEMBER 27, 2019
3:00 PM - 4:00 PM
Moscone South, Lower Level, Exhibit Hall, Moderated Posters 8

Intravascular Imaging - 3

Moderators: Hector M. Garcia-Garcia, Bill D. Gogas
Discussants: Ning Guo, John McB. Hodgson, Takashi Kubo

3:00 PM TCT 352: Deep Learning Based Fully Automated Segmentation of IVUS for Quantitative Measurement. Presenting Author: Jing Yang

3:07 PM Discussion

3:10 PM TCT 353: Comparison of plaque distribution and wire free functional assessment in the target vessel of patients with stable angina pectoris and non ST elevation myocardial infarction by deoxyribonucleic acid repair activity: An optical coherence tomography and quantitative flow ratio study. Presenting Author: Kazuhiro Dan

3:17 PM Discussion


3:27 PM Discussion

3:30 PM TCT 355: Serial baseline and follow up optical coherence tomography analysis of the causes of stent failure. Presenting Author: Mingyou Zhang

3:37 PM Discussion

3:40 PM TCT 356: Coronary Artery Axial Deformation in Native Compared to Stented Arteries. Presenting Author: Logan Schwarzman

3:47 PM Discussion

3:50 PM TCT 357: Incidence and Clinical Impact of Calcified Nodule in Patients with Severely Calcified Lesions Requiring Rotational Atherectomy. Presenting Author: Toru Morofuji

3:57 PM Discussion
OUT-OF-HOSPITAL ARREST

Out-of-Hospital Arrest

Coronary: CHIP

FRIDAY, SEPTEMBER 27, 2019
3:00 PM - 4:00 PM
Moscone South, Lower Level, Exhibit Hall, Moderated Posters 4

3:00 PM - 4:00 PM
Out-of-Hospital Arrest
Moderators: Richard Smalling, Jack Wei Chieh Tan
Discussants: Thomas D. Stuckey, George W. Vetrovec, Marco V. Wainstein

3:00 PM
TCT 519: Impact of Immediate Coronary Angiography on In hospital and Intermediate Term Survival In Patients With Out of Hospital Cardiac Arrest And No ST Segment Elevation: Updated Meta Analysis
Presenting Author: Bhavi Pandya

3:07 PM Discussion

3:10 PM
TCT 520: Optimal Timing of Coronary Intervention in Patient Survived from Cardiac Arrest Without ST Acute Coronary Syndrome: A Systematic Review and Meta analysis
Presenting Author: Mahmoud Barbarawi

3:17 PM Discussion

3:20 PM
TCT 521: Immediate Neurologic Recovery After Out of Hospital Cardiac Arrest is the Only Multivariate Predictor of Survival
Presenting Author: Amir Khan

3:27 PM Discussion

3:30 PM
TCT 522: Single tertiary center UK experience across 2 large sites for patients presenting as out of hospital cardiac arrests OHCA
Presenting Author: Sharmaine Thiru

3:37 PM Discussion

3:40 PM
TCT 523: Rapid Neurological Recovery Predicts Survival in Out Of Hospital Cardiac Arrest OHCA Due to Acute Ischemia Regardless of ECG Pattern
Presenting Author: Amir Khan

3:47 PM Discussion

3:50 PM
TCT 524: Sex Differences in Survival From Out of Hospital Cardiac Arrest: Insights from the National Inpatient Sample
Presenting Author: Yulanka Castro

3:57 PM Discussion

PERIPHERAL VASCULAR INTERVENTION - 4

Peripheral Vascular Intervention - 4

Vascular

FRIDAY, SEPTEMBER 27, 2019
3:00 PM - 4:00 PM
Moscone South, Lower Level, Exhibit Hall, Moderated Posters 3

3:00 PM - 4:00 PM
Peripheral Vascular Intervention - 4
Moderators: Debabrata Mukherjee
Discussants: Jan Kovac, Michael S. Lee, Jihad A. Mustapha, Ivo Petrov

3:00 PM
TCT 569: Periprocedural Outcomes of Lead Extraction in Patients With or Without Abandoned Leads: A Metaanalysis
Presenting Author: Varun Kohli

3:07 PM Discussion

3:10 PM
TCT 570: Impact of Modified Composite WIFI Score Including Patient Background and Anatomic pattern for Predicting Wound healing on Clinical Outcomes in Chronic Limb Threatening Ischemia Patients after Endovascular Therapy
Presenting Author: Kenji Makino

3:17 PM Discussion

3:20 PM
TCT 571: Glasgow Prognostic Score Predict the Clinical Outcomes in Critical Limb Ischemia with Tissue loss after Endovascular Treatment
Presenting Author: Kenji Makino

3:27 PM Discussion

3:30 PM
TCT 572: Clinical outcomes of critical limb ischemia patients with angiographic dissection after balloon angioplasty for infrapopliteal artery disease.
Presenting Author: Tomoya Fukagawa

3:37 PM Discussion

3:40 PM
TCT 573: Direct transpedal pressure measurement during transpedal below the knee interventions in critical limb ischemia
Presenting Author: Zoltan Rusza

3:47 PM Discussion

3:50 PM
TCT 574: More Fresh Thrombi in Cardio Embolic Than Vascular Related Acute Vessel Syndromes
Presenting Author: Martijn Meuwissen

3:57 PM Discussion

RESTING PHYSIOLOGIC INDICES

Resting Physiologic Indices

Coronary: Core

FRIDAY, SEPTEMBER 27, 2019
3:00 PM - 4:00 PM
Moscone South, Lower Level, Exhibit Hall, Moderated Posters 7

3:00 PM - 4:00 PM
Resting Physiologic Indices
Moderators: Jozef Bartunek, Guy J. Friedrich
Discussants: Felix Bohm, Carlos Collet, Joost Daemen, Peter J. Fitzgerald

3:00 PM
TCT 621: Diagnostic performance of resting full cycle ratio as newly developed non hyperemic indices for physiological lesion assessment when directly compared with fractional flow reserve as a reference standard
TAVR COMORBIDITIES AND COMPLICATIONS - 1

TAVR Comorbidities and Complications - 1
Structural: Valve

Presenting Author: HIROFUMI OHASHI

3:07 pm Discussion
3:10 pm TCT 622: Respiration related variations in PdPa ratio and fractional flow reserve in resting conditions and during intravenous adenosine administration.
  Presenting Author: Rutger Feenstra

3:17 pm Discussion
3:20 pm TCT 623: Objective identification of stenoses inducing myocardial ischemia using sequential iFR FFR and intracoronary flow measurements
  Presenting Author: Valérie E. Stegehuis

3:27 pm Discussion
3:30 pm TCT 624: The Utility of Saline induced Resting Full cycle Ratio Compared with Resting Full cycle ratio and Fractional Flow Reserve
  Presenting Author: Takao Sato

3:37 pm Discussion
3:40 pm TCT 625: Coronary physiologic parameters and discordance between Resting Full cycle Ratio and FFR based decision making on myocardial revascularization
  Presenting Author: Łukasz Niewiara

3:47 pm Discussion
3:50 pm TCT 626: Correlation between fractional flow reserve and resting full cycle ratio RFR in the assessment of the clinical significance of borderline stenosis in patient with stable coronary artery disease
  Presenting Author: Bartlomiej Guzik

3:57 pm Discussion

TREATMENT OF CONGENITAL HEART DISEASES - 2

Treatment of Congenital Heart Diseases - 2
Structural: Non-Valve

Presenting Author: CHRISTINA BRINKMANN

3:00 pm - 4:00 pm
FRIDAY, SEPTEMBER 27, 2019
Moscone South, Lower Level, Exhibit Hall, Moderated Posters 5

3:00 pm - 4:00 pm
Treatment of Congenital Heart Diseases - 2
Discussant: Matthew A. Cristal, Frank F. Ing, Xiangbin Pan, Harsimran Sachdeva Singh

3:00 pm TCT 771: Percutaneous device closure of ruptured sinus of Valsalva: feasibility of transthoracic echocardiography assisted procedure
  Presenting Author: Arvind Balaji

3:07 pm Discussion
3:10 pm TCT 772: Lack of thrombosis and other stitch related complication after percutaneous suture mediated closure of patent foramen ovale: a 120000 patient days follow study
  Presenting Author: Gregorio Sgueglia

3:17 pm Discussion
3:20 pm TCT 773: Percutaneous Closure of Patent Foramen Ovale in Patients With Migraine A Patient Level Meta Analysis of PREMIUM and PRIMA Trials
  Presenting Author: Preetham Kumar

3:27 pm Discussion
3:30 PM  TCT 774: Percutaneous closure of septum secundum ASD  
Presenting Author: Mohammad Mehdi Ansari

3:37 PM  Discussion

3:40 PM  TCT 775: Validation Study of Intra Cardiac Echocardiography in Trans Catheter Closure of Patent Ductus Arteriosus  
Presenting Author: KENJI SUDA

3:47 PM  Discussion

3:50 PM  TCT 776: Secondary Prevention of Ischemic Stroke Following Cryptogenic Stroke in Patients With Patent Foramen Ovale: A Meta Analysis of Randomized Controlled Trials  
Presenting Author: Babikir Kheiri

3:57 PM  Discussion

CATH LAB OF THE FUTURE - 2

FRIDAY, SEPTEMBER 27, 2019
4:00 PM - 5:00 PM
Moscone South, Lower Level, Exhibit Hall, Moderated Posters 4

4:00 PM  TCT 200: Reduced Radiation Exposure in the Cardiac Catheterization Laboratory using Combination of both Horizontal and a Novel Vertical Radiation Shield.  
Presenting Author: Carmelo Panetta

4:07 PM  Discussion

4:10 PM  TCT 201: Does a Coronary Calcium score Zero reliably rule out coronary artery disease in low to intermediate risk patients A coronary CTA study.  
Presenting Author: Gudrun Feuchtner

4:17 PM  Discussion

4:20 PM  TCT 202: Predicting Revascularization Rate of Positive CT FFR vs Invasive FFR in Elevated Coronary Calcium Score  
Presenting Author: Rajbir Sidhu

4:27 PM  Discussion

4:30 PM  TCT 203: The role of CT angiography in a management strategy based on high sensitivity cardiac troponin T for predicting an early prognosis in patients with acute chest pain admitted to the emergency department.  
Presenting Author: Jae Gyung Kim

4:37 PM  Discussion

Presenting Author: Kalaivani Mahadevan

4:47 PM  Discussion

4:50 PM  TCT 205: Clinical Management and Primary Prevention in Suspected Coronary Artery Disease Guided by Computed Tomography Angiography  
Presenting Author: Fabian Plank

VASCULAR ACCESS FOR TAVR - 1

Vascular Access for TAVR - 1

FRIDAY, SEPTEMBER 27, 2019
3:00 PM - 4:00 PM
Moscone South, Lower Level, Exhibit Hall, Moderated Posters 1

3:00 PM  TCT 801: Vascular complications in Transaxillary TAVI: Incidence and predictors incorporating CTA measurements  
Presenting Author: marleen van Wely

3:07 PM  Discussion

3:10 PM  TCT 802: A Novel Ultrasound navigated versus Conventional Vascular Closing Technique using MANTA following Transfemoral Transcatheter Aortic Valve Replacement  
Presenting Author: Noriaki Moriyama

3:17 PM  Discussion

3:20 PM  TCT 803: Clinical outcomes after TAVR in patients with and without peripheral arterial disease: Results from the BRAVO 3 Randomized Trial  
Presenting Author: Rishi Chandiramani

3:27 PM  Discussion

3:30 PM  TCT 804: Outcomes of Trans Carotid TAVR in a high volume center  
Presenting Author: Vishesh Kumar

3:37 PM  Discussion

3:40 PM  TCT 805: Impact of Major Vascular Complications on Outcome following Transfemoral Transcatheter Aortic Valve Replacement  
Presenting Author: Noriaki Moriyama

3:47 PM  Discussion

3:50 PM  TCT 789: Comparison of Radial With Femoral Access Coronary Angiography in Patients With Previous Coronary Artery Bypass Surgery  
Presenting Author: amir orlev

3:57 PM  Discussion
CORONARY PERFORATION AND CARDIAC TAMPONADE

Coronary Perforation and Cardiac Tamponade

Coronary: CHIP

FRIDAY, SEPTEMBER 27, 2019
4:00 PM - 4:50 PM
Moscone South, Lower Level, Exhibit Hall, Moderated Posters 6

4:00 PM - 4:50 PM
Coronary Perforation and Cardiac Tamponade
Moderators: Itshac Itsik Ben-dor
Discussants: Wacin Buddhari, James Cockburn

4:00 PM
TCT 248: Coronary Artery Perforation During Chronic Total Occlusion Percutaneous Coronary Intervention: Epidemiology Mechanisms Management and Outcomes
Presenting Author: Lorenzo Azzalini

4:07 PM
Discussion

4:10 PM
TCT 249: Coronary Artery Perforations: Glasgow Natural History Study of Covered Stent Coronary Interventions GNOCCI study
Presenting Author: Tom J. Ford

4:17 PM
Discussion

4:20 PM
TCT 250: Prevalence and Predictors of Coronary Artery Perforation during Percutaneous Coronary Interventions data from the ORPKI National Registry in Poland
Presenting Author: Michal Wegiel

4:27 PM
Discussion

4:30 PM
TCT 251: SOS PK Papyrus an Observational Study of Patients with Covered PK Papyrus Stent.
Presenting Author: Loic Belle

4:37 PM
Discussion

4:40 PM
TCT 252: Pericardial Tamponade Secondary to Complications of Interventional and Endovascular Procedures
Presenting Author: Daniel Johnsrud

4:47 PM
Discussion

INTERVENTIONAL HEART FAILURE

Interventional Heart Failure
Structural: Non-Valve

FRIDAY, SEPTEMBER 27, 2019
4:00 PM - 4:50 PM
Moscone South, Lower Level, Exhibit Hall, Moderated Posters 5

4:00 PM - 4:50 PM
Interventional Heart Failure
Moderators: Magdy Abdelhamid
Discussants: David A. Baran, Mark Goldberger

4:00 PM
TCT 335: Intentional Outflow Graft Closure in Patients with Left Ventricular Assist Device Unsuitable for Surgical Explantation
Presenting Author: Marcus Sandri

4:07 PM
Discussion

4:10 PM
TCT 336: Use of a percutaneous temporary mechanical circulatory support as a bridge to decision in advanced heart failure patients listed for heart transplantation.
Presenting Author: Alexis Okoh

4:17 PM
Discussion

4:20 PM
TCT 337: Outcomes of heart failure with reduced ejection fraction HFrEF status post implantable cardioverter defibrillator ICD presenting with HFrEF exacerbation with versus without atrial fibrillation AF
Presenting Author: Hassaan Arshad

4:27 PM
Discussion

4:30 PM
TCT 338: Electrical Microcurrent Therapy for Treatment of Chronic Systolic Heart Failure: Animal and First in Man Data
Presenting Author: L. Christian Napp

4:37 PM
Discussion

4:40 PM
TCT 339: Partial Inferior Vena Cava Occlusion During Exercise in Heart Failure Patients Prevents Left Ventricular Pressure Overload Improves Exercise Times and Reduces Respiratory Rate: Mechanical Balancing of Bi Ventricular Function as a Novel Therapy for Heart FailureQualify of Life
Presenting Author: Daniel Kaiser

4:47 PM
Discussion

STENT THROMBOSIS AND RESTENOSIS - 2

Stent Thrombosis and Restenosis - 2

Coronary: CHIP

FRIDAY, SEPTEMBER 27, 2019
4:00 PM - 4:50 PM
Moscone South, Lower Level, Exhibit Hall, Moderated Posters 2

4:00 PM - 4:50 PM
Stent Thrombosis and Restenosis - 2
Moderators: Bimmer E. Claessen
Discussants: Kevin J. Croce, Imad Sheiban, Sigmund Silber, Yasunori Ueda

4:00 PM
TCT 662: Patients Who Do Not Receive Drug Eluting Stent for In stent Restenosis Characteristics and Outcomes
Presenting Author: Bimmer E. Claessen

4:07 PM  Discussion
4:10 PM  TCT 663: Very Very Late Stent Thrombosis Beyond Five Years: Some Wounds Never Heal
Presenting Author: LIVIA LUCIANA GHEORGHE

4:17 PM  Discussion
4:20 PM  TCT 664: Overlapping Drug Eluting Stent Increases Definite Stent Thrombosis and Revascularization: Results from 15561 Patients in The AUTHENTIC Study
Presenting Author: Xiang Chen

4:27 PM  Discussion
4:30 PM  TCT 665: Experience with Excimer laser in Percutaneous Coronary Intervention with Indications Procedural Characteristics Complications and Outcomes in a Large University Teaching Hospital
Presenting Author: Muhammad Jawad Ul Qamar

4:37 PM  Discussion
4:40 PM  TCT 666: Percutaneous Coronary Intervention in In Stent Restenosis Lesions with Second Generation Drug Coated Balloons: Results at a Long Term Follow Up.
Presenting Author: IGNACIO SANCHEZ PEREZ

VENTRICULAR ASSIST AND MANAGEMENT OF CARDIOGENIC SHOCK - 3

Ventricular Assist and Management of Cardiogenic Shock - 3
Coronary: CHIP

FRIDAY, SEPTEMBER 27, 2019
4:00 PM - 4:50 PM
Moscone South, Lower Level, Exhibit Hall, Moderated Posters 8

4:00 PM - 4:50 PM
Ventricular Assist and Management of Cardiogenic Shock - 3
Moderators: Gert RichardtDiscussants: Arnold Seto, Fayaz Shawl, Satya Shreenivas

4:00 PM  TCT 822: Culprit Vessel Only Versus Multivessel Percutaneous Coronary Intervention in Patients With NSTEMI and Cardiogenic Shock: Insights From the NCDR CathPCI Registry
Presenting Author: Mohamed Omer

4:07 PM  Discussion
4:10 PM  TCT 823: Percutaneous Balloon Atrial Septostomy for Left Ventricle Unloading in Patients under ECLS.
Presenting Author: Guillaume Leurent

4:17 PM  Discussion
4:20 PM  TCT 824: Is there any difference between Intra Aortic Balloon Pump and peripheral LVAD for treatment of Cardiogenic Shock : A Clinical comparison
Presenting Author: Daniel Garcia, MD

4:27 PM  Discussion
Presenting Author: Colin Hirst

4:37 PM  Discussion
4:40 PM  TCT 826: Gender Disparities in Survival Outcomes in Acute Myocardial Infarction Complicated by Cardiogenic Shock Treated with Advanced Mechanical Circulatory Support
Presenting Author: Michael Sobieraj

4:47 PM  Discussion
### Live Cases #5

**Moderators:** Martin B. Leon, Gregg W. Stone
**Discussants:** Wayne B. Batchelor, Ralph G. Brindis, Carl Steg

- **8:00 am - 9:30 am**
  - **Instituto Dante Pazzanese de Cardiologia Sao Paulo Brazil SHD**
  - Live Case Operator: Alexandre Abizaid, Daniel Chamie, Jose de Ribamar Costa Jr, Dmytri Alexandre Siqueira
  - Live Case Operator: Alexandre Abizaid, Daniel Chamie, Jose de Ribamar Costa Jr, Dmytri Alexandre Siqueira
  - Live Case Guests: Eberhard Grube

- **9:30 am - 10:15 am**
  - **Featured Lecture:** Social Determinants of Health: The Future of Health Assessment in the Digital World
  - Lecturer: Freddy Abnousi

- **9:45 am**
  - **Cedars Sinai Medical Center Los Angeles CA SHD**
  - Live Case Operator: Raj Makkar

### Breaking Science 3, Co-Sponsored by Circulation

**Moderators:** Joseph A. Hill
**Discussants:** Anthony H. Gershlick, Dharam J. Kumbhani, Sahil A. Parikh, Mehdi H. Shishehbor, Pieter C. Smits, Craig A. Thompson, Michael A. Weber

- **10:15 am - 11:20 am**
  - **Live Case Discussion With Audience QA**
  - Lecturer: Michael J. Mack

- **10:30 am - 11:30 am**
  - **Late-Breaking Trials 3, Co-Sponsored by Journal of the American Medical Association**
  - Moderators: Juan F. Granada
  - Discussants: Michael A. Borger, James B. Hermiller Jr, Martin B. Leon, Mark Reisman, Nir Uriel
  - Co-Moderators: Jean Fajadet, Stuart J. Pocock

- **10:30 am - 12:00 pm**
  - **COAPT: 3 Year Outcomes From a Randomized Trial of the MitraClip in Patients With Heart Failure and Severe Secondary Mitral Regurgitation**
  - Lecturer: Michael J. Mack

### Featured Lecture: Social Determinants of Health - Research Facebook

**Moderators:** Robert M. Califf
**Discussants:** Anthony H. Gershlick, Dharam J. Kumbhani, Sahil A. Parikh, Mehdi H. Shishehbor, Pieter C. Smits, Craig A. Thompson, Michael A. Weber

- **12:15 pm - 1:15 pm**
  - **COMPLETE Timing Substudy: A Randomized Trial of Complete Staged Revascularization vs. Infarct Artery PCI Alone in Patients With Acute Myocardial Infarction and Multivessel Disease**
  - Lecturer: David A. Wood

### Latest Breakthroughs in Neurovascular Disease, Co-Sponsored by the Joint Council on Cerebrovascular Diseases

**Moderators:** Jacques L. Messé, Francesca M. Vignali

- **11:30 am - 12:15 pm**
  - **Live Cases #6**
  - Live Case Moderators: Kenneth Rosenfield
  - Live Case Co-Moderators: Jacques Busquet
  - **Lankenau Institute for Medical Research Wynnewood PA Endo**
  - Live Case Operator: William A. Gray
8:00 AM - 10:15 AM
Session I. Live Cases: Coronary
Live Case Moderators: George D. Dangas
Live Case Co-Moderators: Susheel K. Kodali

8:00 AM Apollo Hospital Hyderabad India
Live Case Operator: RAMA KRISHNA JANAPATI, Sanjeeva Kumar, Sreenivas Arramraju Kumar, Gokul Mandala Reddy

8:45 AM Golden Jubilee National Hospital Glasgow United Kingdom
Live Case Operator: Margaret B. McEntegart

9:30 AM Apollo Hospital Hyderabad India
Live Case Operator: RAMA KRISHNA JANAPATI, Sanjeeva Kumar, Sreenivas Arramraju Kumar, Gokul Mandala Reddy

10:15 AM - 12:00 AM
Session II. Live Cases: Coronary
Live Case Moderators: Roxana Mehran
Live Case Co-Moderators: Cindy L. Grines
Live Case Discussants: Rasha Al-Lamee, Hector M. Garcia-Garcia, Philippe E. Gaspari, Alice K. Jacobs, E. Magnus Ohman, Mohamed Ahmed Sobhy, Marco Valgimigli, Pascal Vranckx, Bonnie H. Weiner

10:15 AM Golden Jubilee National Hospital Glasgow United Kingdom
Live Case Operator: Margaret B. McEntegart

11:00 AM Instituto Dante Pazzanese de Cardiologia Sao Paulo Brazil
Live Case Operators: Alexandre Abizaid, Daniel Chamie, Jose de Ribamar Costa Jr, Dimytri Alexandre Siqueira
Live Case Discussants: Alexandre Abizaid, Daniel Chamie, Jose de Ribamar Costa Jr, Dimytri Alexandre Siqueira
Live Case Guest Operators: Eberhard Grube

LIVE CASE TRANSMISSION THEATER VI, SATURDAY, SEPT. 28

2:00 PM - 2:45 PM
Session I. Live Cases: Endovascular
Live Case Moderators: Christopher J. White
Live Case Co-Moderators: Sahil A. Parikh

2:00 PM Lankenau Institute for Medical Research Wynnewood PA
Live Case Operator: William A. Gray

2:45 PM - 4:15 PM
Session II. Live Cases: Coronary

2:45 PM Instituto Dante Pazzanese de Cardiologia Sao Paulo Brazil
Live Case Operators: Alexandre Abizaid, Daniel Chamie, Ricardo A. Costa, Jose de Ribamar Costa Jr, Dimytri Alexandre Siqueira
Live Case Discussants: Alexandre Abizaid, Daniel Chamie, Ricardo A. Costa, Jose de Ribamar Costa Jr, Dimytri Alexandre Siqueira
Live Case Guest Operators: Eberhard Grube

3:30 PM Cedars Sinai Medical Center Los Angeles CA
Live Case Operator: Raj Makkar

4:15 PM - 6:00 PM
Session III. Live Cases: SHD
Live Case Moderators: Vinod H. Thourani
Live Case Co-Moderators: Didier Tchette

4:15 PM Lankenau Institute for Medical Research Wynnewood PA
Live Case Operator: William A. Gray

5:00 PM Cedars Sinai Medical Center Los Angeles CA
Live Case Operator: Raj Makkar

HYPERTENSION THERAPIES: RENAL DENERVATION AND BEYOND

Hypertension Therapies: Renal Denervation and Beyond
Vascular

SATURDAY, SEPTEMBER 28, 2019
8:00 AM - 12:07 PM
Room 156/158

8:00 AM - 8:59 AM
Session I: Hypertension Management in 2019 — What Do I Need to Know?
Moderators: Naomi Fisher, Michael A. Weber
Discussants: Herbert D. Aronow, Michael Böhm, Bernard J. Gersh, Thomas F. Luscher, Roland E. Schmieder, Konstantinos P. Tsiofis

8:00 AM The Essentials of Blood Pressure Measurement: Office Home and Ambulatory And Why It Matters
Lecturer: Michael A. Weber

8:08 AM Roundtable Discussion With Audience QA

8:13 AM Sex Based Differences in Hypertension Management: Do They Exist
Lecturer: Ileana L. Pina

8:20 AM Roundtable Discussion With Audience QA

8:24 AM Race Based Differences in Hypertension Management: Whats Relevant
Lecturer: Clyde W. Yancy

8:31 AM Roundtable Discussion With Audience QA

8:35 AM Non Adherence in Uncontrolled Hypertension: How to Assess and Manage
Session II: Device Approaches Is Needed Before Widespread Use Can Be Recommended
Lecturer: Andrew Sharp

10:40 AM Con: An Outcome Study for Device Based Hypertension Approaches Is NOT Needed
Before Widespread Use Can Be Recommended
Lecturer: Andrew Sharp

10:47 AM Innovative Trial Designs in Device Based Hypertension Treatment
Lecturer: Atul Pathak

10:54 AM Roundtable Discussion With Audience QA

11:01 AM What Are the Essential Differences Between Renal Denervation Devices and Procedures and Do They Matter
Lecturer: Philipp Lurz

11:09 AM Roundtable Discussion With Audience QA

11:14 AM Sensing Renal Nerve Activity Before During and After Denervation I: Autonomix
Lecturer: Robert S. Schwartz

11:20 AM Sensing Renal Nerve Activity Before During and After Denervation II: Symap
Lecturer: Jie Wang

11:26 AM Sensing Renal Nerve Activity Before During and After Denervation III: Pythagoras
Lecturer: Joost Daemen

11:32 AM Roundtable Discussion With Audience QA

11:37 AM Device Based Autonomic Modulation in Heart Failure
Lecturer: Michael Böhm

11:44 AM Device Based Autonomic Modulation in Supraventricular and Ventricular Arrhythmias
Lecturer: Christian Ukena

11:51 AM Device Based Autonomic Modulation in Renal Failure
Lecturer: Roland E. Schmieder

11:58 AM Roundtable Discussion With Audience QA

TREATMENT OF CORONARY CALCIFICATION

Treatment of Coronary Calcification
Coronary: CHIP

SATURDAY, SEPTEMBER 28, 2019
8:00 AM - 10:00 AM
Room 151/153

8:00 AM Case Introductions: A Heavily Calcified Complex Coronary Artery
Case Presenter: Prashant Kaul

8:02 AM Specialty Balloons and Laser Atherectomy for Coronary Calcification: When and How

8:00 AM - 8:48 AM
Section I: Overview and Devices

8:00 AM Case Introductions: A Heavily Calcified Complex Coronary Artery
Case Presenter: Prashant Kaul

8:02 AM Specialty Balloons and Laser Atherectomy for Coronary Calcification: When and How
TRICUSPID REGURGITATION: EVOLVING CONCEPTS AND TECHNOLOGIES
THE CTO SUMMIT: PART 1

The CTO Summit: Part 1
Coronary: CHIP

SATURDAY, SEPTEMBER 28, 2019
10:00 AM - 12:00 PM
Room 151/153

10:00 AM - 10:50 AM
Session I: CTO PCI in 2019 — New Data, Terminology, Scoring Systems, and Controversies
Moderators: Colm Hanratty, David E. Kandzari Discussants: Emmanuel S. Brilakis, Evald H. Christiansen, Paul Hsien-Li Kao, Adam C. Salisbury, Gerald S. Werner, Bo Xu

10:00 AM
CTO PCI 2019 Literature Update
Lecturer: Ajay J. Kirtane

10:10 AM
A Universal Dictionary for CTO Terminology and Standardization of CTO PCI Trials CTO ARC
Lecturer: Luiz F. Ybarra

10:17 AM
Debate 1: Are CTO Scores Useful
10:17 AM
Yes They Are and Should Be Part of All Pre-Procedural Planning and Case Selection
Lecturer: Alfredo R. Galassi

10:10 AM
No They Are Not: Its All About the Operator
Lecturer: William L. Lombardi

10:19 AM
Roundtable Discussion With Audience QA
Lecturer: William L. Lombardi

10:34 AM
Debate 2: Should CTO PCI Be Performed in Most Patients With Multivessel Disease
10:34 AM
No We Should Not Do Procedures Just Because We Can: Show Me the Data
Lecturer: Robert W. Yeh

10:39 AM
Yes the Goal Should Be Complete Revascularization
Lecturer: Jeffrey W. Moses

10:44 AM
Roundtable Discussion With Audience QA

10:50 AM - 12:00 PM
Session II: Procedural Basics
Moderators: Georgios Sianos Discussants: Ingibjorg J. Gudmundsdottir, Arun Kalyanasundaram, Paul Knaapen, Husam Noor, Ling Tao, R. Michael Wyman, Masahisa Yamane

10:50 AM
CTO Guidewire and Technique Update: Navigating the Equipment Maze and the Role of Escalation De Escalation
Lecturer: Masahisa Yamane

10:57 AM
Microcatheter Update and Manipulation Techniques: Is There a Role for Antegrade and Retrograde Dedicated Microcatheters in 2019
Lecturer: Raja Hatem

11:04 AM
Roundtable Discussion With Audience QA

11:04 AM
Angiogram Performance and Evaluation for the CTO Operator: Proximal Cap Distal Cap Lesion Length and Collateral Assessment
Lecturer: Sanjog Kalra

11:11 AM
Contemporary Antegrade Dissection and Re Entry: Step by Step Technique
Lecturer: Jennifer A. Tremmel

11:18 AM
The Retrograde Approach: Step by Step Instructions
Lecturer: Simon J. Walsh

11:25 AM
CTO PCI Strategies to Navigate The Hierarchy of Risk: From AWE to ADR to Retrograde to Epicardials
Lecturer: Simon J. Walsh
CORONARY DRUG-COATED BALLOONS AND BIORESORBABLE SCAFFOLDS

Coronary Drug-Coated Balloons and Bioresorbable Scaffolds

SATURDAY, SEPTEMBER 28, 2019
2:00 PM - 4:00 PM
Room 152/154

2:00 PM - 3:04 PM
Focused Scientific Symposium: Drug-Coated Balloons
Moderators: Fernando Alfonso, Antonio Colombo
Discussants: Kenneth Chin, Franz X. Kleber, Azeem Latib, Jorge F. Saucedo, Bruno Scheller, Pieter R. Stella

2:00 PM Paclitaxel Coated Balloons for Coronary Intervention: Critical Review of Long Term Trial Data in Light of the PAD Controversy
The DAEDALUS Collaboration
Lecturer: Robert A. Byrne

2:07 PM Tips and Tricks for DCB Use: Optimal Technique Is Still Important
Lecturer: Jochen Wohrle

2:14 PM Drug Coated Balloons for Small Vessels: Latest Trial Evidence
Lecturer: Bernardo Cortese

2:21 PM Drug Coated Balloons in De Novo Lesions: Case Vignettes From Europe
Case Presenter: Simon Eccleshall

2:28 PM Drug Coated Balloons in De Novo Lesions: Case Vignettes From Asia
Case Presenter: Paul JL Ong

2:35 PM Emerging Data on Drug Coated Balloon Use in the High Bleeding or High Thrombotic Risk Patient
Lecturer: Bruno Scheller

2:42 PM DAPT After PCI With DCB: Current Guidelines and Special Considerations
Lecturer: Marco Valgimigli

2:49 PM Sirolimus Coated Balloon Therapy: State of Development
Lecturer: Stefan Verheye

2:56 PM Roundtable Discussion With Audience QA

3:04 PM - 4:00 PM
Focused Scientific Symposium: Bioresorbable Scaffolds

INTERVENTIONAL HEART FAILURE AND HEMODYNAMIC SUPPORT: CHRONIC THERAPIES

Interventional Heart Failure and Hemodynamic Support: Chronic Therapies
Structural: Non-Valve

SATURDAY, SEPTEMBER 28, 2019
2:00 PM - 6:00 PM
Room 156/158

2:00 PM - 3:32 PM
Heart Failure: State of the Art
Moderators: Ileana L. Pina, Nir Uriel
Discussants: Stefan Anker, Peter Carson, Ulrich P. Jorde, Susan M. Joseph, JoAnn Lindenfeld, James E. Udelson

2:00 PM State of the Art: Current and Future of Medical Therapies for HF
Lecturer: Clyde W. Yancy

2:12 PM State of the Art: Device Based Therapies for Heart Failure and Reduced EF
Lecturer: Nir Uriel

2:24 PM State of the Art: Latest Insights into the Pathophysiology and Medical and Device Based Therapies for HfPEF
Lecturer: Peter Carson

2:36 PM Roundtable Discussion With Audience QA

2:46 PM Assessment of Volume Status Cardiomems Endotronix Sensible FiO1 Microtek
Lecturer: JoAnn Lindenfeld

2:58 PM Mitral Regurgitation as a Target for Heart Failure and the Relevance of Proportionate vs. Disproportionate MR
Lecturer: Susan M. Joseph

3:10 PM Acute Decompensated Heart Failure: Trials and Tribulations
Lecturer: James E. Udelson

3:22 PM Roundtable Discussion With Audience QA

3:32 PM - 4:44 PM Acute Decompensated Heart Failure
Moderators: James E. Udelson, Clyde W. Yancy
Discussants: Michael Jonas, Navin K. Kapur, Leslie Miller, Ileana L. Pina, Gabriel Sayer, Jan Van der Heyden

3:32 PM Pathophysiology of ADHF: Focus on Diuretic Resistance
Lecturer: Ileana L. Pina

3:39 PM Whiteswell: Preclinical and Early Clinical Results
Lecturer: Michael Jonas

3:46 PM Modulating CVP and PCWP From Above: PreCardia
Lecturer: Navin K. Kapur

3:53 PM Improving Renal Perfusion Pressure: Procyron Aortic Flow Regulator
Lecturer: Navin K. Kapur

4:00 PM Improving Renal Perfusion Pressure: Second Heart
Lecturer: Leslie Miller

4:07 PM Reducing Renal Venous Pressure: Magenta
Lecturer: Jan Van der Heyden

4:14 PM Reducing Renal Venous Pressure: RevampDoraya Infra Renal Vein Flow Regulator
Lecturer: Ulrich P. Jorde

4:21 PM Direct Sodium Removal With an Ambulatory Peritoneal Dialysis System: Sequana
Lecturer: Jeffrey Testani

4:28 PM Roundtable Discussion With Audience QA

4:44 PM - 6:00 PM Device-Based Therapies for Chronic Heart Failure
Moderators: Ulrich P. Jorde, Susan M. Joseph
Discussants: Samuel J. Asirvatham, Daniel Burkhoff, Scott Lilly, Chaim S. Lotan, Felix Mahfoud, Mark Reisman

4:44 PM V Wave for HREF and HFrEF
Lecturer: Gregg W. Stone

4:52 PM Corvia for HFrEF
Lecturer: Scott Lilly

5:00 PM NoYo Interatrial Shunting
Lecturer: Chaim S. Lotan

5:08 PM Aortic Arch Neuromodulation for Chronic Heart Failure: Enopace
Lecturer: Felix Mahfoud

5:16 PM Cardiac Contractility Modulation CCM
Lecturer: Daniel Burkhoff

5:24 PM Treating Central Sleep Apnea in CHF: Respicardia
Lecturer: Susan M. Joseph

5:32 PM Ventricular Reshaping for HF: ANCORAt
Lecturer: Mark Reisman

5:40 PM Transcutaneous Pericardiotomy for HFrEF
3:10 pm Complication Recognition Before Its Obvious: Anticipating Disaster
Lecturer: Nicholas J. Lembo

3:18 pm Antegrade Wire or Device Exit at the CTO Site: Prevention and Management
Lecturer: Kathleen Kearney

3:26 pm Septal Collateral Perforations: Prevention and Management
Lecturer: Roberto Garbo

3:34 pm Antegrade Distal Wire Perforations: Prevention and Management
Lecturer: Farouc A. Jaffer

3:42 pm Antegrade Wire Escalation: Prevention and Management
Lecturer: Nicholas J. Lembo

3:50 pm Roundtable Discussion With Audience QA

3:55 pm Perforation into a Ventricular Cavity: Prevention, Identification, and Management
Lecturer: Dimitri Karmpaliotis

4:03 pm Post CABG Localized Tamponade: Prevention, Identification, and Management
Lecturer: Robert F. Riley

4:11 pm Free Wall Hematoma Dry Tamponade: Prevention, Identification, and Management
Lecturer: Emad Hakemi

4:19 pm Antegrade Distal Wire Perforations: Prevention and Management
Lecturer: Kathleen Kearney

4:26 pm Epistemic Ipsilateral and Contralateral Collateral Perforation: Prevention and Management
Lecturer: Alexandre Schaan Quadros, James Sapontis, Simon J. Walsh

4:34 pm Roundtable Discussion With Audience QA

4:40 pm - 5:34 pm Session III: Case-Based Complication Management — Part 1
Moderators: Tony J. DeMartini, Nicholas J. Lembo
Discussants: Scott Harding, Wissam Jaber, Juan Russo, Lee Seung-Whan, Lin Yan, Chris Zambikides

4:40 pm My Worst Antegrade Wire Escalation Complication and What I Learned
Case Presenter: Craig A. Thompson

4:46 pm Roundtable Discussion With Audience QA

4:49 pm My Worst Antegrade Wire Escalation Complication and What I Learned
Case Presenter: Craig A. Thompson

4:55 pm Roundtable Discussion With Audience QA

4:58 pm My Worst Retrograde Septal Complication and What I Learned
Case Presenter: Lei Song

5:04 pm Roundtable Discussion With Audience QA

5:07 pm My Worst Antegrade Distal Wire Perforation Complication and What I Learned
Case Presenter: Wissam Jaber

5:13 pm Roundtable Discussion With Audience QA

5:16 pm My Worst Antegrade Wire Escalation Complication and What I Learned

5:22 pm Roundtable Discussion With Audience QA

5:25 pm My Worst Antegrade Distal Wire Perforation Complication and What I Learned
Case Presenter: Khaldoon F. Alaswad

5:31 pm Roundtable Discussion With Audience QA

5:34 pm - 6:00 pm Session IV: Case-Based Complication Management — Part 2
Moderators: Emmanouil S. Brilakis, William L. Lombardi
Discussants: Nicolas Boudou, Kevin J. Croce, Risto Jussila, Alexandre Schaan Quadros

5:34 pm My Worst Complication That Might Have Been Prevented
Case Presenter: William L. Lombardi

5:40 pm Roundtable Discussion With Audience QA

5:43 pm My Worst Complication From Which the Patient Couldnt Recover
Case Presenter: Simon J. Walsh

5:49 pm Roundtable Discussion With Audience QA

5:52 pm My Worst Complication That I Was Able to Save
Case Presenter: Nicolas Boudou

5:58 pm Roundtable Discussion With Audience QA

TRANSOCATHETER MITRAL VALVE REPLACEMENT

Transcatheter Mitral Valve Replacement

Structural: Valve

SATURDAY, SEPTEMBER 28, 2019
2:00 pm - 4:00 pm
Room 155/157

2:00 pm - 3:18 pm Session I: TMVR Overview and Principle Devices
Moderators: Vinayak N. Bapat, Marc Gillinov
Discussants: Steven F. Bolling, Adnan K. Chhatriwalla, Neil P. Fam, Philippe Genereux, Kendra J. Grubb

2:00 pm TMVR: Lessons From Surgery Not to Be Ignored
Lecturer: David H. Adams

2:06 pm Technical Hurdles in TMVR Development
Lecturer: Juan F. Granada

2:12 pm Transapical I: Intrepid Device Description Results and Ongoing Studies
Lecturer: Martin B. Leon

2:19 pm Transapical II: Tendyne Device Description Results and Ongoing Studies
Lecturer: Jason H. Rogers

2:26 pm Transapical III: Tiara Device Description Results and Ongoing Studies
Lecturer: Anson Cheung
MITRAL TRIAL DESIGN, ANTICOAGULATION, IMAGING, AND MORE

MITRAL TRIAL DESIGN, ANTICOAGULATION, IMAGING, AND MORE

Mitral Trial Design, Anticoagulation, Imaging, and More

Structural: Valve

SATURDAY, SEPTEMBER 28, 2019
4:00 PM - 6:10 PM
Room 155/157

4:00 PM - 4:28 PM
Session I: Three Hot Mitral Topics
Moderators: Charles J. Davidson, Patrick T. O’GaraDiscussants: Ori Ben-Yehuda, Khalil Fattouch, Azeem Latib, Philipp Lurz, Michael J. Reardon, Sidney C. Smith

4:00 PM
Antiplatelet and Anticoagulation After TMVR and TAVR: Considerations and Recommendations
Lecturer: Georg Nickenig

4:07 PM
Combination Valve Treatments MR and TRMR and AS: Rationale Sequence and Results
Lecturer: Georg Nickenig

4:14 PM
TMVR and TAVR Clinical Trial Designs After COAPT and MITRA FR
Lecturer: Gregg W. Stone

4:21 PM
Roundtable Discussion With Audience QA

4:28 PM - 5:34 PM
Session II: Mitral Imaging Deep Dive
Moderators: Linda D. Gillam, Robert J. Siegel Discussants: Anthony DeMaria, Creighton W. Don, Helene Ettchini et al., G. Burkhard Mackensen, Maurice E. Sarano, Nina C. Wunderlich

4:28 PM
State of the Art: DMR Severity Assessment by Quantitative Echo
Lecturer: Joe K. Oh

4:36 PM
State of the Art: FMR Severity Assessment by Quantitative Echo
Lecturer: Linda D. Gillam

4:44 PM
Roundtable Discussion With Audience QA

4:51 PM
Advanced Mitral Imaging Intraprocedural Guidance and Image Fusion Technologies
Lecturer: Rhonda Miyasaka

4:58 PM
Nonesophageal Mitral Echo Imaging
Lecturer: Stephen H. Little

5:05 PM
Roundtable Discussion With Audience QA

5:12 PM
Advantages and Limitations of MRI for MR Assessment at Baseline and Post MitraClip
Lecturer: Christopher Kramer

5:20 PM
What Can We Learn From MRI About FMR Proportionality
Lecturer: Michael Salerno

5:27 PM
Roundtable Discussion With Audience QA

5:34 PM - 6:10 PM
Session III: Mitral Stenosis and MAC
Moderators: Igor F. Palacios, Chet Rihal Discussants: Itshac Itsik Ben-dor, Philipp Blanke, Sameer Gafour, Habib Gamra, Mayra Guerrero, Dee Dee Wang

5:34 PM
MAC Types and Clinical Implications
Lecturer: Philipp Blanke

5:40 PM
Nonrheumatic MAC Related Mitral Stenosis and Balloon Valvuloplasty
Lecturer: Philipp Blanke

5:46 PM
Imaging Rheumatic Mitral Stenosis
Lecturer: Nina C. Wunderlich

5:52 PM
Mitral Valvuloplasty State of the Art: Indications Devices Technique and Outcomes
RADIAL AND FEMORAL ACCESS AND INTERVENTION

**Radial and Femoral Access and Intervention**

**Coronary: Core**

**SATURDAY, SEPTEMBER 28, 2019**

4:00 PM - 6:00 PM
Room 152/154

4:00 PM - 5:00 PM

**Session I: Controversies in Vascular Access**

Moderators: Rajiv Gulati, Sunil V. Rao
Discussants: Mauricio G. Cohen, Vivian G. Ng, Tejas Patel, Adhir Shroff, Kimberly Skelding, Jennifer A. Tremmel

4:00 PM
ARS: What Is Your Routine Vascular Access for Primary PCI for STEMI Radial or Femoral

4:02 PM
Debate: Vascular Access for Primary PCI

4:02 PM
The SAFARI Trial Proves It: Femoral Access Is Preferred for STEMI
Lecturer: Michel R. Le May

4:07 PM
Not So Fast: The Evidence Still Supports Radial Access for STEMI
Lecturer: Sanjay Kumar Chugh

4:12 PM
ARS: What Is Your Routine Vascular Access for Primary PCI for STEMI Radial or Femoral

4:14 PM
Roundtable Discussion With Audience QA

4:19 PM
ARS: Left Radial Access LDTRA or Traditional Proximal Radial

4:21 PM
Debate: Transradial Civil War

4:21 PM
Embrace Left Distal Radial Access: Its the New and Best Approach
Lecturer: Ethan C. Korngold

4:26 PM
LDTRA Is a Fad: Ill Stick With Traditional Proximal Radial
Lecturer: Ian C. Gilchrist

4:31 PM
ARS: Left Radial Access LDTRA or Traditional Proximal Radial

4:33 PM
Roundtable Discussion With Audience QA

4:38 PM
ARS: Same Day Discharge Radial or Femoral Access

4:40 PM
Debate: Same Day Discharge Radial or Femoral Access

4:40 PM
Transradial and Same Day Discharge Are a Natural Fit and Cost Saving
Lecturer: Adhir Shroff

4:45 PM
Same Day Discharge Doesnt Mean Radial Access: Safe Femoral Access Makes Sense
Lecturer: Richard Shlofmitz

4:50 PM
ARS: Same Day Discharge Radial or Femoral Access

4:52 PM
Roundtable Discussion With Audience QA

5:00 PM - 6:00 PM

**Session II: Different Ways to Skin Vascular Access**

Moderators: Prashant Kaul, Sara C. Martinez
Discussants: Olivier F. Bertrand, Alaide Chieffo, Steven Goldberg, Mitchell W. Krucoff, Mladen I. Vidovich

5:00 PM
Preserving the Radial Artery: Patent Hemostasis and Beyond
Lecturer: Samir B. Pancholy

5:08 PM
Essential Skills: Femoral Access and Closure
Lecturer: Zoltan G. Turi

5:16 PM
Options and Indications for Large Bore Radial Access

5:24 PM
Complex PCI of a Left Main Bifurcation in a Complex Patient

5:24 PM
Case Presentation: Complex PCI of a Left Main Bifurcation in a Complex Patient
Case Presenter: Francesco Burzotta

5:29 PM
ARS
Case Presenter: Francesco Burzotta

5:34 PM
My Approach: How I Would Do This Case No Slides
Lecturer: Alaide Chieffo

5:37 PM
My Approach: How I Would Do This Case No Slides
Lecturer: Thomas A. Ischinger

5:40 PM
Case Conclusion: How I Performed This Case
Case Presenter: Francesco Burzotta

5:45 PM
Roundtable Discussion With Audience QA

HIGH-IMPACT CLINICAL RESEARCH IV:
ADJUNCTIVE PHARMACOTHERAPY STUDIES

**High-Impact Clinical Research IV: Adjunctive Pharmacotherapy Studies**

**SATURDAY, SEPTEMBER 28, 2019**

8:00 AM - 9:00 AM
Innovation & Keynote Theater

8:00 AM - 9:00 AM

**Adjunctive Pharmacotherapy Studies**

Moderators: Neal S. Kleiman
Discussants: Michalis Hamilos, Kurt Huber, Upendra Kaul, Eli I. Lev, Sigmund Silber

8:00 AM
TICAKOREA: A Randomized Trial of Ticagrelor vs. Clopidogrel in Korean Patients With Acute Coronary Syndromes Intended for Invasive Management
HIGH-IMPACT CLINICAL RESEARCH VI: HIGH-RISK DISEASE AND NOVEL THERAPIES

SATURDAY, SEPTEMBER 28, 2019
10:00 AM - 11:00 AM
Innovation & Keynote Theater

High-Impact Clinical Research VI: High-Risk Disease and Novel Therapies

Moderators: Antonio Colombo, Jacqueline Saw
Discussants: Bernard R. Chevalier, Giovanni Esposito, Tommaso Gori, Norman E. Lepor

10:00 AM SR SCAD: Patient Characteristics Management and Outcomes of Spontaneous Coronary Artery Dissection From a Spanish National Registry
Lecturer: Fernando Alfonso

10:10 AM Roundtable Discussion With Audience QA

10:15 AM PROTECCT: A Randomized Trial of Emergency CTA in Patients With Possible ACS and Intermediate Levels of HS Troponin Elevation
Lecturer: Noam Josephy

10:25 AM Roundtable Discussion With Audience QA

10:30 AM MAGSTEMI: A Randomized Trial of a Magnesium Based Sirolimus Eluting Resorbable Scaffold vs. Metallic DES in Patients With STEMI
Lecturer: Manel Sabate

10:40 AM Roundtable Discussion With Audience QA

10:45 AM ABSORB 5 Year Pooled Analysis: Improving Very Late Outcomes of the Absorb Bioresorbable Scaffold in Coronary Artery Disease From 4 Randomized Trials
Lecturer: Gregg W. Stone

10:55 AM Roundtable Discussion With Audience QA

FASCINATING LECTURES

SATURDAY, SEPTEMBER 28, 2019
11:00 AM - 12:12 PM
Innovation & Keynote Theater

Fascinating Lectures

11:00 AM - 12:12 PM
Digital Health, Digital Education, and Social Media

9:55 AM Roundtable Discussion With Audience QA
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<th>Time</th>
<th>Session</th>
<th>Lecturer/Topic</th>
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<tr>
<td>11:00</td>
<td>Social Media in the Modern Era of Interventional Cardiology</td>
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<td>11:08</td>
<td>Roundtable Discussion With Audience QA</td>
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<td>11:12</td>
<td>The CardioQuiz: Adapting Twitter Polls to Create Self Assessment Questions via Social Media</td>
<td>Michael P. Savage</td>
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<td>11:20</td>
<td>Roundtable Discussion With Audience QA</td>
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<td>Roundtable Discussion With Audience QA</td>
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<td>11:36</td>
<td>Artificial Intelligence in Cardiology: The Indian Physicians Perspective</td>
<td>Hiteshi K.C. Chauhan</td>
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<td>11:44</td>
<td>Roundtable Discussion With Audience QA</td>
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<td>11:48</td>
<td>An Innovative Mobile Learning Platform for Structural Heart Interventions: CATHLAPP</td>
<td>Benjamin Joas Rieck</td>
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<td>Roundtable Discussion With Audience QA</td>
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<td>12:00</td>
<td>The Early Days of Coronary Stenting: A tribute to Charles Dotter</td>
<td>Philippe E. Gaspard</td>
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<td>12:20</td>
<td>DEFINE FLAIR: 2 Year Outcomes From a Randomized Trial of iFR and FFR Decision Making in Patients With Coronary Artery Disease</td>
<td>Justin E. Davies</td>
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<td>Roundtable Discussion With Audience QA</td>
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<td>12:30</td>
<td>SCARR Registry: Long Term Outcomes After PCI With or Without Intracoronary Pressure Wire Guidance</td>
<td>Elmir Omerovic</td>
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<td>12:38</td>
<td>PARTNER 2 Trial and Registry: Impact of Left And Right Ventricular Longitudinal Systolic Strain Following Transcatheter and Surgical Aortic Valve Replacement</td>
<td>Philippe Pibarot</td>
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<td>12:42</td>
<td>Roundtable Discussion With Audience QA</td>
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<td>12:46</td>
<td>TRUE Registry: A New Prognostic Risk Score for Risk Stratification of Patients With Severe Tricuspid Regurgitation</td>
<td>Brunilda Alushi</td>
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<td>Roundtable Discussion With Audience QA</td>
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<tr>
<td>12:54</td>
<td>TRILUMINATE Registry: 6 Month Outcomes of Percutaneous Edge to Edge Repair for Tricuspid Regurgitation</td>
<td>Georg Nickenig</td>
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<td>13:00</td>
<td>LEADERS FREE: Outcomes of Non Cardiac Surgery After Randomization to a Polymer Free Drug Coated Stent vs. a Bare Metal Stent in Patients With Coronary Artery Disease</td>
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<td>13:12</td>
<td>FIGARO Registry: Frequency and Reasons for Discordance Between FFR and iFR in Assessment of Lesion Hemodynamic Significance</td>
<td>Tomas Kovarnik</td>
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<td>13:16</td>
<td>Roundtable Discussion With Audience QA</td>
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<td>13:20</td>
<td>DEFINE LM Registry: Revascularization Deferral in Patients With Left Main Coronary Artery Disease Based on iFR Evaluation</td>
<td>Takayuki Warisawa</td>
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<td>Roundtable Discussion With Audience QA</td>
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<td>13:28</td>
<td>HIGH-IMPACT CLINICAL RESEARCH VII: PCI With Physiologic Guidance</td>
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<td>PARTNER 2 Trial and Registry: Impact of Left And Right Ventricular Longitudinal Systolic Strain Following Transcatheter and Surgical Aortic Valve Replacement</td>
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<td>HIGH-IMPACT CLINICAL RESEARCH VIII: Valve Therapies and Non-Cardiac Surgery</td>
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4:00 PM - 5:00 PM

**CAD Diagnosis and Complex PCI Strategies**  
Discussant: Mirvat Alasnag, Shao-Liang Chen, Yves R. Louvard, James K. Min, Bjorne Linde Norgaard

**4:00 PM**  
Lecturer: Udo Hoffmann

**4:10 PM**  
Roundtable Discussion With Audience QA

**4:15 PM**  
EXCEL: A Novel Risk Score for Clinical Decision Making in Patients Undergoing Revascularization for Left Main Coronary Artery Disease  
The EXCEL Score  
Lecturer: Patrick W. Serruys

**4:25 PM**  
Roundtable Discussion With Audience QA

**4:30 PM**  
Lecturer: Udo Hoffmann

**4:40 PM**  
Roundtable Discussion With Audience QA

**4:45 PM**  
PROPOT: A Randomized Trial of the Proximal Optimization Technique in Coronary Bifurcation Lesions  
Lecturer: Ken Kozuma

**4:55 PM**  
Roundtable Discussion With Audience QA

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**FDA UNIVERSITY AT TCT**

**SATURDAY, SEPTEMBER 28, 2019**  
9:00 AM - 5:00 PM  
Room 205-206

**9:00 AM - 9:05 AM**  
Introduction  
Lecturer: Changfu Wu

**9:00 AM**  
Introduction and Session Overview  
Lecturer: Changfu Wu

**9:05 AM - 11:15 AM**  
Session I: Best Practices in Regulatory Affairs — Premarket, Part 1  
Moderators: Jaime Raben, Changfu Wu  
Discussants: Ariel Ash-Shakoor, Lauren S. Baker, Jennifer Bastijanic, Declan Dineen, Semih Oktay, Nasser Rafiee, Ryan Randall, Julie Selstrom

**9:05 AM**  
Its Now Official: The New CDRH Organizational Structure and How It May Impact Your Interactions With the FDA Through the Total Product Life Cycle  
Lecturer: Nicole Ibrahim

**9:25 AM**  
Best Practices in Presubmissions: How to Make Them Useful for Everyone  
Lecturer: Ariel Ash-Shakoor

**9:45 AM**  
How to Get Your IDE Approved in the First Round: Tips and Common Mistakes to Avoid  
Lecturer: Jennifer Bastijanic

**10:05 AM**  
The Winding Journey From EFSFIH to Pivotal Study: How to Work Closely With the FDA Through the Ups and Downs  
Lecturer: Changfu Wu

**10:25 AM**  
Breakthrough Device Designation: What Is It for and What Is It Not For  
Lecturer: Ryan Randall

**10:45 AM**  
Roundtable Discussion With Audience QA

**11:15 AM - 11:30 AM**  
Coffee Break

**11:30 AM - 1:00 PM**  
Session II: Best Practices in Regulatory Affairs — Premarket, Part 2  
Moderators: Jaime Raben, Changfu Wu  
Discussants: Lauren S. Baker, Juan F. Granada, Kent Grove, Claire Hambright, Natalie Miller, Semih Oktay, Victoria Blythe Rodriguez, Renu Virmani

**11:30 AM**  
Best Practices in Biocompatibility Assessment of Cardiovascular Devices: What Does the FDA Look For  
Lecturer: Claire Hambright

**11:50 AM**  
Best Practices in Animal Studies of Cardiovascular Devices: What Does the FDA Look For  
Lecturer: Natalie Miller

**12:10 PM**  
Best Practices in Sterility Studies of Cardiovascular Devices: What Does the FDA Look For  
Lecturer: Victoria Blythe Rodriguez

**12:30 PM**  
Roundtable Discussion With Audience QA

**1:00 PM - 2:00 PM**  
Lunch Break

**2:00 PM - 3:50 PM**  
Session III: Best Practices in Regulatory Affairs — Postmarket  
Moderators: Lydia S. Glaw, Rachel Neubrander  
Discussants: Lisa A.M. Becker, Ankurita Datta, Declan Dineen, Adam Donat, Julie Mackel, Irene Parker, Melanie Raska, Megha Reddy, Rebecca Ward

**2:00 PM**  
FDA Bioresearch Monitoring BIMO 101: How to Survive Inspections and Avoid Warning Letters  
Lecturer: Adam Donat

**2:20 PM**  
After the Champagne for PMA Approval Come Your Obligations: Inspections Postapproval Studies Medical Device Reporting and Recalls  
Lecturer: Julie Mackel, Megha Reddy

**2:40 PM**  
Real World Data vs Real World Evidence: How Can It Be Used for Device Labeling Expansion  
Lecturer: Rebecca Ward

**3:00 PM**  
FDA Resources at Your Fingertips: Find the Information and Help You Need
BALLOON PULMONARY ANGIOPLASTY FOR CHRONIC THROMBOEMBOLIC PULMONARY HYPERTENSION: CENTER EXPERTISE AND ILLUSTRATIVE CASE DEMONSTRATIONS

12:15 PM - 1:45 PM
Balloon Pulmonary Angioplasty for Chronic Thromboembolic Pulmonary Hypertension: Center Expertise and Illustrative Case Demonstrations

SATURDAY, SEPTEMBER 28, 2019
Room 211

12:15 PM
Introduction: Chronic Thromboembolic Pulmonary Hypertension Where Does BPA Stand in the Treatment Algorithm Today
Lecturer: Nick H. Kim

12:30 PM
Balloon Pulmonary Angioplasty Japanese Experience
Lecturer: Hiromi Matsubara

12:42 PM
Balloon Pulmonary Angioplasty French Experience
Lecturer: Philippe Brenot

12:54 PM
Balloon Pulmonary Angioplasty US Experience
Lecturer: Ehtisham Mahmud

1:06 PM
Balloon Pulmonary Angioplasty German Experience
Lecturer: Bernhard Meyer

1:18 PM
Balloon Pulmonary Angioplasty Polish Experience
Lecturer: Piotr Pruszczczyk

1:30 PM
Roundtable Discussion With Audience QA

1:40 PM
Roundtable Discussion With Audience QA

CLINICAL TRIAL DESIGN, STATISTICS, AND LITERATURE INTERPRETATION: THE EVIDENCE-BASED MEDICINE EXPERT — PART 2

Clinical Trial Design, Statistics, and Literature Interpretation: The Evidence-Based Medicine Expert — Part 2

SATURDAY, SEPTEMBER 28, 2019
12:15 PM - 1:45 PM
Room 209-210

12:15 PM
Contrast Induced Nephropathy: Does It Exist and Does It Matter
Lecturer: Richard Solomon

12:25 PM
Roundtable Discussion With Audience QA

12:30 PM
CIN Risk Prediction and Outcomes
Lecturer: Sripal Bangalore

12:40 PM
Roundtable Discussion With Audience QA

12:45 PM
CIN Prevention I: IV Fluids
Lecturer: Carlo Briguori

12:55 PM
Roundtable Discussion With Audience QA

1:00 PM
CIN Prevention II: Clinical Trials Summary of Completed and Ongoing Studies
Lecturer: Roxana Mehran

1:10 PM
Roundtable Discussion With Audience QA

1:15 PM
Your Cath Lab Needs a CIN Prevention Protocol: Here It Is
Lecturer: Hitinder S. Gurm

1:25 PM
Roundtable Discussion With Audience QA

1:30 PM
CIN Prevention III: Contrast Reduction Strategies Devices and Zero Contrast PCI Step by Step
Lecturer: Ziad A. Ali

1:40 PM
Roundtable Discussion With Audience QA
### Clinical Trial Design, Statistics, and Literature Interpretation: The Evidence-Based Medicine Expert

**Moderators:** Peter Juni, Roxana Mehran  
**Discussants:** Andrew Althouse, Stefan Anker, Brian Craggett, Milton Packer, Divaka Perera, Robert W. Yeh

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<th>Time</th>
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<th>Lecturer(s)</th>
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| 12:15 PM | **Use of Repeat Events and Allowance for Competing Risk: How to Do It Right**  
**Lecturer:** Brian Craggett |                                                                            |
| 12:25 PM | **When Trials Disagree: The COAPT/MITRA FR Case Study**  
**Lecturer:** Milton Packer |                                                                            |
| 12:35 PM | **Roundtable Discussion With Audience QA** |                                                                          |
| 12:45 PM | **The Challenges of Equipoise and Generalizability**  
**Lecturer:** Robert W. Yeh |                                                                            |
| 12:55 PM | **TAVR in Low Risk Patients: Strengths and Limitations of the Low Risk Trials**  
**Lecturer:** Robert O. Bonow |                                                                            |
| 1:05 PM  | **Roundtable Discussion With Audience QA** |                                                                          |
| 1:15 PM  | **My Strategy for Interpreting and Critiquing Non Inferiority Studies**  
**Lecturer:** Sanjay Kaul |                                                                            |
| 1:25 PM  | **Is it TWILIGHT for Aspirin Critical Appraisal and Interpretation of the Trial**  
**Lecturer:** Pascal Vranckx |                                                                            |
| 1:35 PM  | **Roundtable Discussion With Audience QA** |                                                                          |

### Combined Structural Interventions: Two Valves, Valve and LAAO, and More

| Combined Structural Interventions: Two Valves, Valve and LAAO, and More  
**Structural: Valve** |
|------------------------|
| **Moderators:** Anita Asgar, Fabian Nietlispach  
**Discussants:** Colin M. Barker, Danny Dvir, Amir Kaki, Saibal Kar, Markus Albert Kassel, Magnus Settergren |
| 12:15 PM | **Combined Low Flow Low Gradient Aortic Stenosis and Functional Mitral Regurgitation: A Diagnostic Challenge** | |

### Complex Adult Congenital Intervention

**Complex Adult Congenital Intervention**  
**Structural: Non-Valve**

| Complex Adult Congenital Intervention  
**Moderators:** Eustaquio Maria Onorato, John F. Rhodes  
**Discussants:** Zahid Amin, Matthew A. Crystal, Eric Horlick, Thomas K. Jones, Clifford J. Kavinsky, Harsimran Sachdeva Singh |
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| 12:22 PM | **Role of CT Angiography for Quantification of Aortic Stenosis**  
**Lecturer:** Hasan Jilaihawi | |
| 12:27 PM | **Roundtable Discussion With Audience QA** | |
| 12:32 PM | **Case Introduction: Moderate Aortic Stenosis and Severe Secondary Mitral Regurgitation**  
**Case Presenter:** Lukas Keller | |
| 12:35 PM | **Case Viewpoint: Treat Both AS and MR**  
**Lecturer:** Saibal Kar | |
| 12:40 PM | **Case Viewpoint: Treat the MR Conservative Management for the AS**  
**Case Presenter:** Olof Franzen | |
| 12:45 PM | **Roundtable Discussion With Audience QA** | |
| 12:50 PM | **Case Resolution: How We Treated Moderate Aortic Stenosis and Severe Secondary Mitral Regurgitation**  
**Case Presenter:** Lukas Keller | |
| 12:55 PM | **State of the Art Medical Therapy for Treatment of Tricuspid Regurgitation and Its Effect on Prognosis**  
**Case Presentation:** Severe DMR and Severe TR  
**Case Presenter:** Anita Asgar | |
| 1:05 PM  | **Case Viewpoint: Treat the MR Only**  
**Lecturer:** Magnus Settergren | |
| 1:10 PM  | **Case Viewpoint: Treat Both the MR and TR**  
**Lecturer:** Neil P. Fam | |
| 1:15 PM  | **Roundtable Discussion With Audience QA** | |
| 1:20 PM  | **Case Resolution: How We Treated Severe DMR and Severe TR**  
**Lecturer:** Anita Asgar | |
| 1:25 PM  | **Flash Debate: TAVR in the Moderate Risk Bleeding Patient With AF Close the LAA**  
**Lecturer:** Kishore J. Harjai | |
| 1:31 PM  | **Flash Debate: TAVR in the Moderate Risk Bleeding Patient With AF Medical Therapy Is Best**  
**Lecturer:** Manesh R. Patel | |
| 1:37 PM  | **Roundtable Discussion With Audience QA** | |
A Cancer Patient Who Underwent Placement of a Port a Cath: Look What Happened
Case Presenter: Clifford J. Kavinsky

An Adult With an Aortopulmonary Window
Case Presenter: Eric Horlick

A Fontan Patient Who Had a Thrombus
Case Presenter: Matthew A. Crystal

Pregnancy CHF and a Transcatheter Tricuspid Valve Implantation
Case Presenter: Harsimran Sachdeva Singh

A Case of PIVSD: A Difficult Case With a Difficult Decision
Case Presenter: Zahid Amin

An Octogenarian With a De Novo Dilated Cardiomyopathy
Case Presenter: Reda Ibrahim

Coarctation Stent Implantation in an Adult With Turner
Case Presenter: Thomas K. Jones

A Left Ventricular Pseudoaneurysm

A Baffling Occlusion: Transcatheter Fontan Baffle Creation
Lecturer: John F. Rhodes

An Adult With Azygous Continuation and an ASD
Case Presenter: Mark Osten

HYPERTROPHIC CARDIOMYOPATHY AND SEPTAL ABLATION

Hypertrophic Cardiomyopathy and Septal Ablation
Structural: Non-Valve

SPONTANEOUS CORONARY ARTERY DISSECTION: NOVEL INSIGHTS ON DIAGNOSIS AND TREATMENT

Session I: HCM Diagnosis and Medical Management

12:15 PM Imaging in HCM for Diagnosis and Risk Stratification
Lecturer: Sherif F. Nagueh

12:24 PM Medical Treatments for HCM
Lecturer: Carey D. Kimmelstiel

12:33 PM Diagnosis and Treatment of Arrhythmia in HCM
Lecturer: Vivek Y. Reddy

12:42 PM Discussion With Audience QA

12:51 PM Clinical Presentation Pathophysiology and Natural History
Lecturer: Michael A. Fifer

Session II: Alcohol Septal Ablation

1:00 PM Case Selection for Alcohol Septal Ablation
Lecturer: Srihari S. Naidu

1:09 PM The Alcohol Septal Ablation Procedure
Lecturer: Valerian Fernandes

1:18 PM Alcohol Septal Ablation Complications and Management
Lecturer: Michael A. Fifer

1:27 PM Long term Outcomes of Alcohol Septal Ablation
Lecturer: Peter Boekstegers

1:36 PM Discussion With Audience QA
TCT ENDOVASCULAR: NEURO INTERVENTIONS FOR STROKE AND CAROTID STENOSIS

**TCT Endovascular: Neuro Interventions for Stroke and Carotid Stenosis**

SATURDAY, SEPTEMBER 28, 2019
12:15 PM - 1:45 PM
Room 215

12:15 PM
Neuro Interventions for Stroke and Carotid Stenosis
Moderators: Enrico Ascher, Aman B. Patel
Discussants: Carlos I. Mena-Hurtado, Stephen R. Ramee, Craig M. Walker

12:15 PM
Pre Hospital Approach to Stroke
Lecturer: Thabele M. Leslie-Mazwi

12:21 PM
Preventative Strategies in Stroke
Lecturer: Christopher J. Stapleton

12:27 PM
Role of IV tPA or Thrombolysis in the Endovascular Era of Thrombectomy
Lecturer: Thabele M. Leslie-Mazwi

12:33 PM
Synthesis of Endovascular Trial Data From 2015 and Beyond
Lecturer: Scott Silverman

12:41 PM
Mechanical Thrombectomy: Aspiration vs. Stent Retriever vs. New Devices
Lecturer: Christopher J. Stapleton

12:49 PM
Controversies in Stroke Treatment: Large Core Low NIHSS Advanced Age
Lecturer: Demetrius Lopes

12:57 PM
Roundtable Discussion With Audience QA

1:05 PM
Pre Debate Vote

1:07 PM
Flash Debate: Carotid Artery Stenting Is Best for the Asymptomatic Patient
Lecturer: Christopher J. White

1:12 PM
Flash Debate: Nonsense TCAR Is Safer Than Standard Transfemoral Carotid Stenting
Lecturer: Mahmoud Malas

1:17 PM
Flash Debate: Are You Kidding Mini Incision Carotid Endarterectomy Is as Safe as But Less Expensive Than TCAR
Lecturer: Enrico Ascher

1:22 PM
Post Debate Vote and Wrap Up

1:24 PM
Carotid Artery Stenting: Timing After Stroke
Lecturer: Adrian Siddiqui

1:30 PM
Vertebral Artery Stenting: Indications Techniques and Complications
Lecturer: Charles Matouk

1:37 PM
Roundtable Discussion With Audience QA

CHALLENGES AND DEVELOPMENTS IN TAVI PROCEDURE: ARGENTINEAN AND FRENCH EXPERIENCE. PRESENTED BY GROUPE ATEROME ET CARDIOLOGIE INTERVENTIONNELLE (GACI) AND COLEGIO ARGENTINO DE CARDIOANGIOLOGOS INTERVENCIONISTAS (CACI)

**Challenges and Developments in TAVI Procedure: Argentinean and French Experience**

Moderators: Anibal A. Damonte, Jacques Monsegu
Discussants: Gustavo Andersen, Alejandro D. Fernandez, Alejandro Palacios, Christian M. Spaulding, Eric Van Belle

9:00 AM - 10:10 AM
Room 216

9:00 AM
Introduction and Session Objectives
Lecturer: Anibal A. Damonte

9:05 AM
Moving From a Full Invasive to a Minimalistic Procedure The Argentinean and LatAm Experience
Lecturer: Matias Sztajfman

9:13 AM
Roundtable Discussion With Audience QA

9:15 AM
Stimulation Over Left Ventricular Wire: a New Tool
Lecturer: Jacques Monsegu

9:23 AM
Roundtable Discussion With Audience QA

9:25 AM
TAVI Valve in Valve: a Real Challenge
Lecturer: Diego D. Grinfeld

9:33 AM
Roundtable Discussion With Audience QA

9:35 AM
Hypertrophic Myopathy and Aortic Stenosis: How to Manage
Lecturer: Michel Pansieri

9:43 AM
Roundtable Discussion With Audience QA

9:45 AM
Bicuspid Valve TAVI: As Safe As Tricuspid Valve Intervention
Lecturer: Adolfo Ferrero Guadagnoli

9:53 AM
Roundtable Discussion With Audience QA

9:55 AM
Vascular Complications: How to Manage
Lecturer: Camille Brasselet

10:03 AM
Roundtable Discussion With Audience QA

10:05 AM
Conclusion
Lecturer: Jacques Monsegu

CSI-NIC INDIA SESSION @TCT
International Complex Case Session VII: Featured CHIP and Other Special PCI Situations

3:00 PM - 4:30 PM

Session I. Imaging
3:00 PM  IVUS - Its Present Roles and Advantages
Lecturer: Deb Dutta Bhattacharya

3:10 PM  How OCT Can Help Better Predict MACE Events In Left Main vs IVUS - ROCK II Retrospective Update
Lecturer: Mani Selvamani

3:20 PM  How India Is Learning to See Its PCI Patients Through 1n OCT - The 2 Year Journey Update
Lecturer: balbir singh

3:30 PM  Roundtable Discussion With Audience QA
Lecturer: balbir singh

Session II. Physiology Session
3:40 PM  Physiological In Complex Lesions: For All Or Indication Based Assessment - Clinical Case Scenarios
Lecturer: Jabir Abdullakutty

3:50 PM  FFR In STEMI NSTEMI and Unstable Angina: What Are the Latest Data
Lecturer: Rajesh Vijayvergiya

4:00 PM  Roundtable Discussion With Audience QA
Lecturer: Rajesh Vijayvergiya

4:05 PM - 4:30 PM

Session III. DES
4:05 PM  Stent Choice In Complex Lesions: How The Unique Stent DNA Can Help Improve The Patient Outcomes
Lecturer: Pratap Kumar

4:15 PM  STOPDAPT SMART CHOICE - TWILIGHT: Will These Trials Change Your Clinical Practice
Lecturer: Aditya Kapoor

4:25 PM  Closing Remarks and Key Take aways
Lecturer: Aditya Kapoor

International Complex Case Session VIII: A Potpourri of Complex Interventional Cases I

8:30 AM - 10:30 AM

Featured CHIP and Other Special PCI Situations
Moderators: Giuseppe Tarantini
Discussants: Waqar Ahmad, Branko Beleslin, Marcelo E. Halac, Ivo Petrov, Abdullah Shehab

8:30 AM  Introduction

8:35 AM  Mexico Presents: The Right Coronary As The Thread Of Life - Acute Left Main Total Occlusion
Case Presenter: David Leonardo Aguilar De La Torre

8:45 AM  Roundtable Discussion With Audience QA

8:50 AM  Belgium Presents: Double Stent Fracture and In Stent Restenosis Due to a Protruding Calcified Nodule Treated With Shockwave Coronary Intravascular Lithotripsy
Case Presenter: Johan R. Bennett

9:00 AM  Roundtable Discussion With Audience QA

9:05 AM  Bulgaria Presents: PCI Of Calcified Coronary Arteries - Challenges With Different Aspects
Case Presenter: Valery Gelev

9:15 AM  Roundtable Discussion With Audience QA

9:20 AM  Egypt Presents: CHIP FORUM PCI in STEMI With LM Complex Lesion
Case Presenter: Mohamed Ahmed Sobhy

9:30 AM  Roundtable Discussion With Audience QA

Case Presenter: Supawat Ratanapo

9:45 AM  Roundtable Discussion With Audience QA

9:50 AM  Indonesia Presents: Catheter Induced Stanford Type A Aortic Dissection With Occlusive Spiral Dissection Of RCA And Perforation Treated Non Surgically
Case Presenter: Teguh Santoso

10:00 AM  Roundtable Discussion With Audience QA

10:05 AM  Singapore Presents: A case of OCT Guided Zero Contrast PCI In A Patient With Known Contrast Induced Anaphylaxis
Case Presenter: Paul JL Ong

10:15 AM  Roundtable Discussion With Audience QA

10:20 AM  Final Thoughts
Lecturer: Giuseppe Tarantini
INTERNATIONAL COMPLEX CASE SESSION IX: A POTPURRI OF COMPLEX INTERVENTIONAL CASES II

International Complex Case Session IX: A Potpourri of Complex Interventional Cases II

SATURDAY, SEPTEMBER 28, 2019
4:00 PM - 5:30 PM
Presentation Theater 1

2:30 PM - 4:00 PM
A Potpourri of Complex Interventional Cases I
Moderators: Pedro De Araujo Goncalves, Afzalur Rahman
Discussants: Marco A. Alcocer-Gamba, Rosli Mod Ali, Haim Danenberg, Ahmed Magdy, Hung Pham Manh, Rogerio Sarmento-Leite

2:30 PM
Introduction
Lecturer: Afzalur Rahman

2:35 PM
Egypt Presents: When You Have Not Enough Coils
Case Presenter: Amr El Hadidy

2:45 PM
Roundtable Discussion With Audience QA

2:50 PM
Hong Kong Presents: Percutaneous Closure of Left Atrial Appendage With Thrombus in 2 Patients With Different Outcomes
Case Presenter: Ngai-Yin Chan

3:00 PM
Roundtable Discussion With Audience QA

3:05 PM
Indonesia Presents: Handling LAA Closure Device Implantation in Small LAA With Protruding Pectinate Muscles
Case Presenter: Teguh Santoso

3:15 PM
Roundtable Discussion With Audience QA

3:20 PM
Belarus Presents: Minimally Invasive Hybrid Approach to Direct Device LV Remodeling in Patient With Ischemic Cardiomyopathy
Case Presenter: Oleg Polonetsky

3:30 PM
Roundtable Discussion With Audience QA

3:35 PM
Spain Presents: Percutaneous Treatment of a Large Ascending Aortic Pseudoaneurysm
Case Presenter: Armando Perez de Prado

3:45 PM
Roundtable Discussion With Audience QA

3:50 PM
Final Thoughts
Lecturer: Pedro De Araujo Goncalves

4:00 PM - 4:30 PM
A Potpourri of Complex Interventional Cases II
Moderators: Magdy Abdelhamid, Petr Kala
Discussants: Afz Al Nooryani, Saska Kedev, Mohammed I. Kurdi, Ricardo Lliberas, Helder Horta Pereira, Goran Stankovic

4:00 PM
Introduction
Lecturer: Magdy Abdelhamid

4:05 PM
Hong Kong Presents: What Is the Cause of Total LV Failure
Case Presenter: Michael Kang-Yin Lee

4:15 PM
Roundtable Discussion With Audience QA

4:20 PM
Colombia Presents: Post Traumatic Coronary Cameral Fistula
Case Presenter: Jorge Villegas

4:30 PM
Roundtable Discussion With Audience QA

4:35 PM
Belgium Presents: Ventriculo Arterial Uncoupling During High Risk Impella Protected PCI
Case Presenter: Johan R. Bennett

4:45 PM
Roundtable Discussion With Audience QA

4:50 PM
Tunisia Presents: How To Manage Acute Thrombosis of the Abdominal Aorta
Case Presenter: Habib Gamra

5:00 PM
Roundtable Discussion With Audience QA

5:05 PM
Egypt Presents: The Missing Way
Case Presenter: Mahmoud Soliman

5:15 PM
Roundtable Discussion With Audience QA

5:20 PM
Final Thoughts
Lecturer: Petr Kala

HIGHEST GRADED ABSTRACTS OF TCT 2019

Highest Graded Abstracts of TCT 2019

Coronary: Core

SATURDAY, SEPTEMBER 28, 2019
8:30 AM - 10:30 AM
Moscone South, Level Two, Room 215

8:30 AM - 10:30 AM
Highest Peer-Reviewed Oral Abstracts of TCT2019 - Sponsored by CCI and EuroIntervention
Moderators: Steven R. Bailey, Patrick W. Serruys
Discussants: Sameer Gafoor, Lloyd W. Klein, Julio C. Palmaz, Jan J. Piek, Renu Virmani, Olaf Wendler

8:30 AM
TCT 4: Transcatheter Tricuspid Valve Repair in Patients With Functional Tricuspid Regurgitation: 2 Year Outcomes From the FORMA US Early Feasibility Study
Presenting Author: Susheel K. Kodali

8:40 AM
Discussion

8:45 AM
TCT 7: Blinded Outcomes Assessment of Absorb Bioresorbable Scaffolds Implanted With Improved Technique: Two year Results from the ABSORB IV Randomized Trial
CHALLENGING CASES 5

Challenging Cases 5
Structural: Non-Valve
Coronary: CHIP
Vascular: Coronary: Core
Structural: Valve

SATURDAY, SEPTEMBER 28, 2019
9:15 AM - 10:45 AM
Hall D, Exhibition Level, Moscone South

9:15 AM - 10:45 AM
Coronary XX
Discussant: Yoshiaki Ito, Young-Hak Kim, Prathap Kumar, Faisal Latif, Shahar Lavi, Amir Lerman, Chunjian Li, John J. Lopez, Jianfang Luo, Sara C. Martinez, Bilal Mohydin, Sunil V. Rao, Roberta Rossini

9:15 AM
TCT 1422: Primary PCI post TAVI Corvalve

9:15 AM
TCT 1423: Spontaneous Internal Mammalian Artery Graft Dissection Triggered by Emotional Stress
Presenting Author: Khaled Daramim

9:15 AM
TCT 1424: SHOCKWAVE LITHOTRIPSY TO THE RESCUE IN AN UNDILATABLE IN STENT RESTENOSIS PRESENTING AS AN ACUTE CORONARY SYNDROME
Presenting Author: Legate Philip

9:15 AM
TCT 1425: The case of self treatment of the coronary muscle bridge
Presenting Author: Liliva Sorokhtey

9:15 AM
TCT 1426: Primary Angioplasty due to Circumflex coronary artery injury after mitral valve surgery
Presenting Author: Marek T. Tomala

9:15 AM
TCT 1427: Holey Shunt Successful Management of Ventricular Septal Rupture Secondary to Late Presentation of AMI with Impella Ventricular Assist Device
Presenting Author: Ahmed S. Ali

9:15 AM
TCT 1428: Less Can Be More
Presenting Author: Radek Alkutshen

9:15 AM
TCT 1429: STEMI Secondary to Acute Atherothrombotic Occlusion Treated without Stent
Presenting Author: Rahul Dhawan

9:15 AM
TCT 1430: Atherectomy in STEMI is it contraindicated
Presenting Author: Ramprakash Devadoss

9:15 AM
TCT 1431: An anomalous cardionic shock
Presenting Author: Roberto Padalino

9:15 AM
TCT 1432: Strategy of PCI for a Patients with repeated coronary spontaneous dissection
Presenting Author: Rongchong Huang

9:15 AM
TCT 1433: Shades of STEMI
Presenting Author: Sharmaine Thiru

9:15 AM
TCT 1434: To stent or not to stent
Presenting Author: Sheikh Azeem

9:15 AM
TCT 1435: Crush technique for distal left main bifurcation in a patient with extensive anterior ST elevation myocardial infarction and cardiogenic shock
Presenting Author: Shih-Hung Chan

9:15 AM
TCT 1436: Unrelenting Hemodynamic and Electric Instability Resulting from Thrombotic Occlusion of a Non Dominant Right Coronary Artery
Presenting Author: Steven Song

9:15 AM - 10:45 AM
Coronary XXI

9:15 AM
TCT 1437: Utilization of Minimal Dose Radiation in Percutaneous Coronary Intervention During ST Elevation Myocardial Infarction with Cardiogenic Shock
Presenting Author: Subrat Kar

9:15 AM
TCT 1438: Relax It is Icy Cold and I am Dying A Case of MINOCA
9:15 am - 9:45 am
Coronary XXIV

9:15 am
TCT 1439: PCI with post infarction VSD endovascular closure in cardiogenic shock patient
Presenting Author: Tigran Akobyan

9:15 am
TCT 1440: Percutaneous coronary intervention in a case of double vessel acute myocardial infarction due to multi site thrombosis: a rare presentation of Antiphospholipid syndrome.
Presenting Author: Vipin Thomachan

9:15 am
TCT 1441: Cocaine induced myocardial infarction complicated by cardiac arrest in 24 year old patient
Presenting Author: Wijnand Den Dekker

9:15 am
TCT 1442: Cardiogenic shock with extensive aterior wall STEMI with large thrombus originating from ascending aortic aneurysm
Presenting Author: Wiwat Kanjanaratjaiwatt

9:15 am
TCT 1443: Retrograde primary PCI LAD via LIMA in anterior STEMI
Presenting Author: Wojciech Trenkner

9:15 am
TCT 1444: When your patient insist to challenge you
Presenting Author: Bassem badr

9:15 am
TCT 1445: Shock and Bone: A Hybrid PCI Approach to Severely Calcific Lesions of Both Coronary Ostia
Presenting Author: Gareth Barnes

9:15 am
TCT 1446: Left main equivalent bifurcation stenting of saphenous venous graft lesion in a patient with a previous rare saphenous venous graft intervention.
Presenting Author: Harinder K. Bali

9:15 am
TCT 1447: OSTIAL LAD CTO STENTING WITH DES
Presenting Author: Hariom Tyagi

9:15 am
TCT 1448: Double 5 F guiding catheter system to reduce dye consumption in a case of true bifurcation lesion
Presenting Author: Hidetsugu Sakai

9:15 am
TCT 1449: Shockwave Lithotripsy Assisted PTCA in Right Coronary Artery CTO
Presenting Author: Ho-hin Choy

9:15 am
TCT 1450: Late left internal mammary graft acute occlusion
Presenting Author: Ilias Nikolakopoulos

9:15 am
TCT 1451: A True Solution to a FalseAneurysm
Presenting Author: Jay Patel

9:15 am
TCT 1452: Tackling Left main during cardiopulmonary Resuscitation A Life saving experience
Presenting Author: Jayasheelan M R

9:15 am - 10:45 am
Coronary XXII

9:15 am
TCT 1453: Challenging Access Preparation and Imaging Guided Complex Single Remaining Vessel Left Main PCI under Hemodynamic Support in a Patient with Impaired LV Function and Generalized Atherosclerosis
Presenting Author: Tan Kin Leong

9:15 am
TCT 1454: Percutaneous Coronary Intervention of a Right Coronary Artery Chronic Total Occlusion Combined with Complex Trifurcating Left Main Lesion
Presenting Author: Judit Karacsongy

9:15 am
TCT 1455: Prison Break A case of Rota shock pella
Presenting Author: Ka Chun Alan Chan

9:15 am
TCT 1456: Long Way through the Bumpy Road for the New Hope: Successful PCI for Very Long CTO RCA with Critical and Heavily Calcified Donor Artery
Presenting Author: Kabul Priyantoro

9:15 am
TCT 1457: ECART Conquering the Aorto ostial CAP in CTO PCI
Presenting Author: Kalaivani Mahadevan

9:15 am
TCT 1458: Successful Percutaneous Coronary Intervention of a Chronically Severely Under Expanded Stent With Shockwave Intravascular Lithotripsy After Failure of Super High Pressure Non Compliant Balloon Combined With Double Buddy Wire Technique
Presenting Author: Karl Issaz

9:15 am
TCT 1459: How to use dual lumen microcatheterin case of ambiguousproximal cap in CTO
Presenting Author: kryysztof bryniarski

9:15 am
TCT 1460: Occluding balloon as a bailout of reverse wire technique in percutaneous coronary intervention for right coronary artery chronic total occlusion involving distal bifurcation
Presenting Author: Kuan-Liang Liu

9:15 am
TCT 1461: Is there still a difference in radial and femoral access in CTO recanalization clinical case
Presenting Author: Leszek Bryniarski

9:15 am
TCT 1462: ECMO supportedRevascularization for a CHIP Patient withMultivessel Subtotal Occlusion
Presenting Author: Liming Gao

9:15 am
TCT 1463: Transcatheter Closure With Figulla Flex II of Late PostMyocardial Infarction Ventricular Septal Rupture
Presenting Author: Luciano Dzul Gutierrez

9:15 am
TCT 1464: Zero Contrast Diagnostic Angiography and Multivessel PCI for NSTEACS in a Patient with CKD V
Presenting Author: Mahesh V. Madhavan

9:15 am
TCT 1465: Post Atherectomy No Flow Management
Presenting Author: Muzaffar Ali

9:15 am
TCT 1466: PERCUITANEOUS RETRIEVAL OF A LOST COVERED STENT IN THE LEFT MAIN STEM AND SUCCESSFUL TREATMENT OF A CORONARY ARTERY PERFORATION
Presenting Author: Niall T. Mulvihill

9:15 am
TCT 1467: Coronary perforation post prolonged CPR during primary RCA intervention
Presenting Author: Nireen Okasha

9:15 am
TCT 1468: Consecutive Complications Occurred in Percutaneous Intervention of Ostial Left Main Coronary Artery
Presenting Author: Norikiyo Oka

9:15 am - 10:45 am
Coronary XXIII

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TCT 1456: Long Way through the Bumpy Road for the New Hope: Successful PCI for Very Long CTO RCA with Critical and Heavily Calcified Donor Artery
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TCT 1468: Consecutive Complications Occurred in Percutaneous Intervention of Ostial Left Main Coronary Artery
Presenting Author: Norikiyo Oka
9:15 AM  TCT 1469: Management of Coronary Guidewire Fracture
Presenting Author: Omar Al-taweel

9:15 AM  TCT 1470: Complications During LMCA PCI Unholy Romance Between Heart and Brain
Presenting Author: Prasant Kumar Sahoo

9:15 AM  TCT 1471: Careless rendezvous - a recipe for disaster Single catheter retrograde CTO PCI with rendezvous technique causing perforation
Presenting Author: Pratap Kumar

9:15 AM  TCT 1472: Unusual accident via transradial intervention
Presenting Author: Purich Surunchakorn

9:15 AM  TCT 1473: Complications and Learnings from MVD and Diabetics
Presenting Author: Raksha Patel

9:15 AM  TCT 1474: A DAY OF COMPLICATIONS
Presenting Author: Ramesh Sankaran

9:15 AM  TCT 1475: Rescue Left Main Stenting in Iatrogenic Ascending Aorta Dissection Induced by Guide Catheter
Presenting Author: Ramesh Rajendran

9:15 AM  TCT 1476: Shock after successful Primary PCIs shocking cause
Presenting Author: Ravindra Rajendran

9:15 AM  TCT 1477: Rare Complication of PCI
Presenting Author: Reyhan Anis

9:15 AM  TCT 1478: Bail Out Reverse Crush Bifurcation Stenting for Hydraulic Dissection of the Left Main and Left Circumflex
Presenting Author: Samir Shah

9:15 AM  TCT 1479: Pinhole coronary perforation due to rupture of a very small balloon in CTO technique with Grenadoplasty
Presenting Author: Samruay Kridkratoke

9:15 AM  TCT 1480: Successful Recovery of Undeployed Stent Loss in LCx artery during Percutaneous Intervention
Presenting Author: Sana Ahmed

9:15 AM  TCT 1481: A Complex Spontaneous Coronary Artery Dissection of Left Main Left Anterior Descending and Left Circumflex coronary artery
Presenting Author: Seyed Elgizy

9:15 AM  TCT 1482: Bailout Polytetrafluoroethylene Covered Stent PTFE CS Implantation for Severe Coronary Perforation at the Bifurcation of the Left Anterior Descending Coronary Artery LAD using the Kissing Stent Technique.
Presenting Author: Seigo Iwane

9:15 AM  TCT 1483: Successful Retrieval of an Entrapped Orbital Atherectomy System Oasis by Using Two Guide System
Presenting Author: Shota Naniwa

9:15 AM  TCT 1484: COVERED STENTS DO COVER YOU...
Presenting Author: Shyam Sasidharan

9:15 AM - 10:45 AM Endovascular VIII
Discussant: Ali F. Aboufara, Mazen Abu-Fadel, J. Michael Bacharach, Daniel R. Bensimhon, Philippe Brenot, Alejandro Cherro, Maddury Jyotsna, Philip M. Meyers, John Moriarty, Khusrav Niazi

9:15 AM  TCT 1485: Dual access for external iliac artery common femoral artery and superficial femoral artery recanalization using the Rendezvous technique

9:15 AM  TCT 1486: Endovascular Treatment of Post Traumatic Arteriovenous Fistula AVF with Mechanical Total Occlusion to of Superficial Femoral Artery SFA
Presenting Author: Alejandro Mario Martinez

9:15 AM  TCT 1487: Stealing from the Heart: A Case of an Intercostal Branch of a Left Internal Mammary Artery Graft
Presenting Author: Asif Uddin

9:15 AM  TCT 1488: The case of multi stage treatment of arteriovenous malformations of the uterus and pelvis
Presenting Author: Bavuhran Ormanov

9:15 AM  TCT 1489: Go where there is no path and leave a trail: a case of chronic iliac vein occlusion requiring repeated attempts for recannalization.
Presenting Author: Bryan Yan

9:15 AM  TCT 1490: Translateral recanalization of Popliteal ATA and PTA
Presenting Author: Farhat Fouladvand

9:15 AM  TCT 1491: Endovascular therapy for iliac arteries via Distal Radial Artery in Hemodialysis Patient
Presenting Author: Satoru Takaesu

9:15 AM  TCT 1492: A rare case of acute idiopathic axillary artery occlusion
Presenting Author: Seekada Padmanabhan

9:15 AM  TCT 1493: High Output Cardiac Failure Resulting from Renal Artery Stenosis Related to an Aortic Endoluminal Graft
Presenting Author: Srilakha Sridhara

Presenting Author: Gustavo Carvalho

9:15 AM  TCT 1495: Stroke due paradoxical emboli from pulmonary arteriovenous malformation
Presenting Author: Ki Buom Lee

9:15 AM  TCT 1496: My most challenging case
Presenting Author: Mark Ableton

Presenting Author: Nikita Litvinyuk

9:15 AM - 10:45 AM Coronary XIV

9:15 AM  TCT 1498: A Case of Spontaneous Coronary Artery Dissection Managed Based on NIRS IVUS Findings
Presenting Author: Adrian Kassier

9:15 AM  TCT 1499: 3 D OCT guided Culotte intervention of LAD and D 1 bifurcation: Step by step
Presenting Author: Ganesan R. Nambirajan

9:15 AM  TCT 1500: OCT guided exclusion of expanding multiple coronary aneurisms induced by bioreosorbable scaffolds
Presenting Author: Giuseppe Calligaris
Presenting Author: Abdul Qazi

**Perforation and Hemolysis: Deploy Retrieve Redeploy**

Presenting Author: Atul Chugh

**Complication Post TAVR: The Utility of MRI derived 4D Flow**

Presenting Author: Arif Albulushi

**Blunt Chest Trauma Presenting with Acute Coronary Event**

Presenting Author: Yongbai Luo

**LADampD Bifurcation How to treat**

Presenting Author: Vimalraj Bogana Shanmugam

**Seeing the Unseen   Intra Coronary Imaging**

Presenting Author: Timea szigethi.timea14@gmail.com

**Instent neoatherosclerotic dissection versus geographic miss with dissection: need for multimodal imaging**

Presenting Author: Maya Safarova

**MILKING THROUGH THE STENT**

Presenting Author: raopali khanna

**An unstable angina case caused by coronary spasm not noticed without intravascular ultrasound finding**

Presenting Author: Takamichi Takahashi

**Low post PCI FFR values: a Trigger for Trouble**

Presenting Author: Tara Neleman

**Stent underexpansion in angiography  guided percutaneous coronary intervention in patient with ST elevational myocardial infarction corrected later by IVUS guided PCI**

Presenting Author: Timea szigethi.timea14@gmail.com

**Seeing the Unseen   Intra Coronary Imaging**

Presenting Author: Veimalraj Bogana Shanmugam

**LADampD Bifurcation How to treat**

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**The Use of Multimodality Imaging to Diagnose Late Onset Complication Post TAVR: The Utility of MRI derived 4D Flow**

Presenting Author: Atul Chugh

**Transcatheter Repair of Anterior Mitral Leaflet Perforation and Hemolysis: Deploy Retrieve Redeploy**

Presenting Author: Abdul Qazi

**PCI to iatrogenic Left Main stenosis occurring after the sequential replacement of a defective aortic valve**

Presenting Author: Sayf Altabaqchali

**Successful implantation of MitraClip after cardiac tamponade**

Presenting Author: Mohamed Abdel-Aal Ahmed
9:15 AM TCT 1531: A Chain of Complications Due to Hemodynamically Relevant Iatrogenic Atrial Septal Defect After Successful MitraClip Implantation Presenting Author: Sylvia Otto

9:15 AM TCT 1532: Removal of Leadless pacemaker using double snare catheters Presenting Author: Tadashi YAMAMOTO

9:15 AM TCT 1533: Ruptured sinus of vascula complicating transcatheter aortic valve replacement Lessons and practical considerations for percutaneous closure. Presenting Author: Thato Mabote

9:15 AM TCT 1534: Percutaneous VA ECMO supported Transcatheter Valve in Valvular implantation for Severe Bioprosthetic Pulmonic Valve Dysfunction Presenting Author: aakash garg

9:15 AM TCT 1535: A Rare Case of Carcinoid Heart Disease with Multi valvular Involvement Solved With Transcatheter Therapy Presenting Author: Aaron Gopal

9:15 AM TCT 1536: Successful coil embolization of a large RCA coronary sinus fistula causing coronary steal and a significant left to right shunt Presenting Author: Akashkha Thakkar

9:15 AM TCT 1537: Large LVOT pseudoaneuryms closed percutaneously from novel apical approach Presenting Author: Andrew Chatfield

9:15 AM TCT 1538: Percutaneous Closure of an Apical Pseudoaneurysm with an Amplatzer VSD Occluder via Retrograde Approach Presenting Author: Brett Wanamaker


9:15 AM TCT 1540: Percutaneous Management Of Large LAD to PA Coronary Fistula Presenting Author: Fawad Virk

9:15 AM TCT 1541: Coiling of LAD fistula Presenting Author: George Hunter

9:15 AM TCT 1542: Open Pulmonary Artery Narrowing with Trans Catheter Pulmonic Valve Replacement for Severe Symptomatic Pulmonic Regurgitation in High Risk Patient Presenting Author: Gerald Colen

9:15 AM - 10:45 AM Structural XI

9:15 AM TCT 1543: Coronary Compression Limiting Options for TPVR Presenting Author: Grant Henderson

9:15 AM TCT 1544: Successful Percutaneous Coronary Intervention in a Patient with Acute Coronary Syndrome in the Setting of an Anomalous Left Main Coronary Artery Arising from the Right Coronary Cusp

9:15 AM TCT 1545: A Giant StealSingle Coronary Artery with Coronary Cameral Fistula: Successful device closure Presenting Author: Harsha Perla

9:15 AM TCT 1546: Bifuration stenting in unexpected places In pulmonary vein stenting know your POT Presenting Author: Ioannis Iakovou

9:15 AM TCT 1547: TAVR for an aortic valve insufficiency in a very young patient with an initial diagnosis of a congenital aortic stenosis. Presenting Author: Jaroslaw Trebacz

9:15 AM TCT 1548: RESCUE PCI Presenting Author: Jitendra Singh

9:15 AM TCT 1549: A giant saphenous vein graft aneurysm treated with percutaneous closure Presenting Author: Joel Giblett

9:15 AM TCT 1550: Connecting the Dots Acquired Abdominal Aortic Interruption Presenting Author: John P. Breinholt

9:15 AM TCT 1551: PERCUITANEOUS CLOSURE OF INFUNDIBULAR VENTICULAR SEPTAL DEFECT WITH A DDA OCCLUDER DEVICE IN AN ADULT WOMAN Presenting Author: JORGE DANIEL HERNANDEZ GUZMAN

9:15 AM TCT 1552: Percutaneous transcatheter occlusion of multiples Pulmonary arteriovenous fistulas PAVF with Amplatzer vascular plugs and Coil. Presenting Author: Jorge Luis Vivar Sanchez

9:15 AM TCT 1553: Unusual right to left atrial shunt successfully occluded with Amplatzer vascular plug II Presenting Author: Josef Bis

9:15 AM TCT 1554: Manual implantation through surgical access of a percutaneous VSD occluder device in a post AMI VSD. Presenting Author: Luis Ortega-Paz

9:15 AM TCT 1555: Complex coronary arteries giant coronary sinus fistulas: a case report of a rare fistulous communication successfully treated with percutaneous technique. Presenting Author: Massimo Mancone

9:15 AM TCT 1556: Intentional aortic bioprosthese valve fracture to eliminate large paraavalvaral gaps with severe aortic regurgitation Presenting Author: Mehul Patel

9:15 AM TCT 1557: Nature Decides SurvivalPrimary PCI in CCTGA at 76 yearsWorlds oldest patient Presenting Author: Milan Chag

9:15 AM TCT 1558: Complication of pulmonary valve in valve Procedure in a patient with tetralogy of fallot Presenting Author: Muhammad Yasin

9:15 AM TCT 1559: Post Myocardial Infaction Ventricular Septal Rupture Closure by Amplatzer VSD Device Presenting Author: Navreet Singh

9:15 AM TCT 1560: Percutaneous closure of apical VSD after failed surgical procedure Presenting Author: Pablo Antileo

9:15 AM TCT 1561: A Rare Case of Coronary Artery Anomalies Presenting Author: Ripa Patel

9:15 AM TCT 1562: FUNCTIONAL EVALUATION OF THE CLOSURE OF PULMONARY CORONARY FISTULA
PNEUMOTHORAX ON VENTILATOR.

TCT 157

Presenting Author: Ankita Aggarwal

bleeding pulmonary embolism in a post operative patient with a high risk of ultrasound assisted catheter directed thrombolysis for high risk TCT 1572: Lower dose of tissue plasminogen activator for ultrasound assisted catheter directed thrombolysis for high risk pulmonary embolism in a post operative patient with a high risk of bleeding Presenting Author: Ankita Aggarwal

TCT 1573: IVUS GUIDED LEFT MAIN DK CRUSH PCTA WITH ROTABATION AND IABP SUPPORT IN A CASE OF TENSION PNEUMOTHORAX ON VENTILATOR.
2:00

**TCT 1588: Emergency Shockwave assisted PCI to underexpanded left main stem stents in Acute MI.**

*Presenting Author: Peter O’Kane*

**TCT 1589: High risk Percutaneous coronary intervention in a patient with calcific distal LM and ostial LAD and ostial LCX lesions.**

*Presenting Author: Prasad Shah*

**TCT 1590: Left Main Bifurcation Stenting by DK Crush technique**

*Presenting Author: PUNISH SADANA*

**TCT 1591: COMPLEX HIGH RISK PTCA FROM LM OSTIUM TO DISTAL LAD IN CLACIFIED ARTERY USING BUDDY WIRE TECHNIQUE**

*Presenting Author: RAGHAV SHARMA*

**TCT 1592: I had a crushy kissed but still its not a love story**

*Presenting Author: RAHMATULLAH ASIF*

**TCT 1593: Complex Retrograde RCA CTO PCI**

*Presenting Author: Raj Chandwaney*

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**Coronary XXVII**

**Discussant: Amr E. Abbas, Ramesh Adiraju, Kee-Sik Kim, Nickolas Nodar Kipshidze, Nick Lokkis, Rondall J. Lee, Hung Q. Ly, Jeff Marshall, Ernest L. Mazzaferrri, Jr., Christoph K. Naber, Sandeep Nathan, Marin Postu, Ross Prpic, Expedito E. Ribeiro, Rahul Sakhija, Michael P. Savage, Sayan Sen**

2:00

**TCT 1594: Just a mess**

*Presenting Author: ramy atlm*

2:00

**TCT 1595: When shorter is better....A novel technique for shorteninga guide catheter without losing guidewire position**

*Presenting Author: René Hameau Davanzo*

2:00

**TCT 1596: Line em up A comprehensive heart team approach to multiple severe vascular conditions**

*Presenting Author: Rohan Mehta*

2:00

**TCT 1597: Going in the opposite way is not always bad**

*Presenting Author: Rosa Alba Abellas Sequeiros*

2:00

**TCT 1598: THROMBUS OR DISSECTION-WHICH IS THE WORST ENEMY**

*Presenting Author: Shekhar bhise*

2:00

**TCT 1599: Combined Transcatheter Aortic Valve Replacement and Transcatheter Mitral VIV Replacement for Mixed Aortic Stenosis and Severe Mitral Prosthesis Stenosis and Regurgitation**

*Presenting Author: Sara Karnib*

2:00

**TCT 1600: Chronic Total Occlusion Percutaneous Coronary Intervention of Left Anterior Descending Artery in a Patient with Severe Anaphylaxis to Iodinated Contrast Agents**

*Presenting Author: Saroj Neupane*

2:00

**TCT 1601: Severely Resistant Lesion of Right Coronary Artery Managed with High Pressure Balloon**

*Presenting Author: Sasa Loncar*

2:00

**TCT 1602: Making the impossible possible Appropriate use od hybrid techniques**

*Presenting Author: SATNAM SINGH*

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**Coronary XXVIII**


2:00

**TCT 1603: Primary revascurarization of occluded saphenous vein graft to detect anastomosis with IVUS guidance for treatment of Long RCA CTO lesion**

*Presenting Author: SEIJI KANO*

2:00

**TCT 1604: How to manage an unusual complication after primary percutaneous intervention**

*Presenting Author: Marouane Boukhris*

2:00

**TCT 1605: An Odd Exit: Story of a LM**

*Presenting Author: Md Minhaj Arefin*

2:00

**TCT 1606: Stuck in a Crossroad**

*Presenting Author: Michael Chiang*

2:00

**TCT 1607: Recover an Acutely Occluded Side Branch with a Small Balloon over a Jailed Wire Following Provisional Stenting**

*Presenting Author: Michael Liang*

2:00

**TCT 1608: OCT Saved The Day A Complication never reported before**

*Presenting Author: Milan Chag*

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2:00 - 3:30

**Coronary XXVII**

**Discussant: Suresh Davis, Ramesh Adiraju, Kee-Sik Kim, Nickolas Nodar Kipshidze, Nick Lokkis, Rondall J. Lee, Hung Q. Ly, Jeff Marshall, Ernest L. Mazzaferrri, Jr., Christoph K. Naber, Sandeep Nathan, Marin Postu, Ross Prpic, Expedito E. Ribeiro, Rahul Sakhija, Michael P. Savage, Sayan Sen**

2:00

**TCT 1609: Stuck IVUS causing damage to the stent on pullback.**

*Presenting Author: Mohit Sharma*

2:00

**TCT 1610: DISLODGEMENTSTRUCK TWICE**

*Presenting Author: MUHAMMED SHALOOB*

2:00

**TCT 1611: Every Interventionists nightmare: Successful nonsurgical treatment of left main coronarycomplicationduring angioplasty**

*Presenting Author: Siddhartha Mengi*

2:00

**TCT 1612: Coronary perforation complicated with balloon shaft rupture**

*Presenting Author: Sinan Varol*

2:00

**TCT 1613: Delayed covered coronary wall rupture following rotational atherectomy in the subintimal space during percutaneous recanalization of a long and heavily calcified LAD CTO successfully treated with implantation of two newer generation thin strut covered stents.**

*Presenting Author: Sophie Degrauwe*

2:00

**TCT 1614: A balloon a day takes a day a non deflation night mare**

*Presenting Author: SUHAIL MUHAMMED*

2:00

**TCT 1615: Stuck Intracoronary balloon catheter with broken shaft Nightmare in Cathlab**

*Presenting Author: SUNIL KUMAR SRINIVAS*

2:00

**TCT 1616: Unintentional coronary stent extraction postdeployment due to wire trapping**

*Presenting Author: SUNIL KUMAR SRINIVAS*

2:00

**TCT 1617: ECMO TO THE RESCUE IN A CASE OF REPEATED STENT THROMBOSIS AFTER A PAMI FOR RIGHT VENTRICULAR MYOCARDIAL INFARCTION**

*Presenting Author: Suresh Davis*
2:00  TCT 1618: A case of coronary perforation due to migration of wire into a crack of calcified lesion.  
Presenting Author: Tomokazu Sawada  

2:00  TCT 1619: I PREFER NIGHTMARE OVER CORONARY ARTERY PERFORATION  
Presenting Author: TUNAGGINA AFRIN KHAN  

2:00  TCT 1620: A kinky problem  
Presenting Author: Usha Rao  

2:00  TCT 1621: IATROGENIC DOUBLE HELIX IN ACUTE MI BLURRING TO BLIND  
Presenting Author: vijaychaitanya borra  

2:00  TCT 1622: Coronary perforation  
Presenting Author: Vikash Goyal  

2:00  TCT 1623: Subtle but not too subtle: Role of Intracoronary Imaging in Coronary Dissection  
Presenting Author: Wasiq Zaidi  

2:00  TCT 1624: A catastrophic case of post coronary artery bypass grafting presenting with unstable angina Stent entrapment and device shaft fracture during percutaneous coronary intervention  
Presenting Author: Wonho Kim  

2:00 - 3:30  Structural XII  

2:00  TCT 1625: High Risk Transcatheter Pulmonic Valve Replacement of a Stenosed Conduit in a Hypercoagulable Patient  
Presenting Author: Saeed R. Shaikh  

2:00  TCT 1626: 1 Year Follow up Interruption Of Coronary venous Fistula With Stent Implantation In The Coronary Sinus  
Presenting Author: Sergey P. Semitko  

2:00  TCT 1627: Percutaneous intervention in LEVOATRIAL CARDINAL VEIN A rare Cause of right sided overload  
Presenting Author: shah zeb  

2:00  TCT 1628: Title: Anterior Aorta to Right Atrium Tunnel  
Presenting Author: Soumya Patra  

2:00  TCT 1629: Percutaneous closure of post traumatic ventricular septal defects by PDA device: A case report.  
Presenting Author: Tung Son Nguyen  

2:00  TCT 1630: Cardiac Arrest from Traumatic Aortopulmonary Window Following Transcatheter Pulmonary Valve Implantation in a Patient with Supported Ross  
Presenting Author: Vasutakorn Chongthammakun  

2:00  TCT 1631: A Peculiar Path to the Pulmonic Valve  
Presenting Author: Vigyan Bang  

2:00  TCT 1632: New onset decompensated heart failure secondary to biventricular non compaction cardiomyopathy and atrial septal defect in a female presenting in the 7th decade of life.  
Presenting Author: Yash Jobanputra  

2:00  TCT 1633: TAVR: Never give up  
Presenting Author: Mohammed Alshehari  

2:00  TCT 1634: Simultaneous TAVR and endovascular repair in 93 year old patient with severe aortic stenosis and severe aorto iliac disease  
Presenting Author: Nadish Garg  

2:00  TCT 1635: Three In One Intervention in a Patient with Severe Transvalvular Bioprosthetic Aortic Regurgitation Severe Left Main Stem and Proximal Right Coronary Artery Disease amp Obstructive Peripheral Vascular Disease  
Presenting Author: Neal Uren  

2:00 - 3:30  Structural XIII  
Discussant: Teiji Akogi, Bruce Bowers, Joanna Chikwe, Abdallah El Sabbagh, Giovanni Esposito, Anton Forkas, Khalil Fatouch, Jason Foerst, George Gellert, Paul Gurbel, Joseph A. Hill, Vijay Iyer, Katherine Kearney, Nish Patel  

2:00  TCT 1636: How to bailout valve embolization during transcatheter aortic valve replacement  
Presenting Author: Nozomu Yukimitsu  

2:00  TCT 1637: Transcatheter heart valve performed in Patient with Bicuspid Aortic Valve with low coronary height  
Presenting Author: Rajasekhar Varada  

2:00  TCT 1639: Ruptured Sapien balloon during VIV that resulted in death  
Presenting Author: Ramesh Daggubati  

2:00  TCT 1640: Percutaneous Closure of AortoRight Ventricular Fistula following Transcatheter Aortic Valve Replacement  
Presenting Author: samineh sehatbakhsh  

2:00  TCT 1641: Intravascular Lithotripsy For Heavily Calcified Subclavian Artery Stenosis To Facilitate Transsubclavian TAVR Valve Delivery  
Presenting Author: Saurabh Joshi  

2:00  TCT 1642: Plugging Paravalvular Leak in Transcatheter Aortic Valves  
Presenting Author: Sean Conte  

2:00  TCT 1643: Transcatheter Aortic Valve Replacement in a Heavily Calcified Bicuspid Valve using Antegrade Annular Crossing  
Presenting Author: GUNASEKARAN SENGOTTUVELU  

2:00  TCT 1644: Transcatheter heart valve performed in patient with severe calcific aortic stenosis with mild aortic regurgitation  
Presenting Author: SHAJUDEEN P  

2:00  TCT 1645: Valve in valve Transcatheter Aortic Valve Replacement in a patient with late failure of Bentall procedure  
Presenting Author: Simone Budassi  

2:00  TCT 1646: First Transfemoral Implantation of a JenaValveTM for severe aortic regurgitation in a failing autograft 12 years after Ross operation  
Presenting Author: Stephan Fichtlscherer  

2:00  TCT 1647: When an Edwards valve will not cross. Understanding the differences between Sapien S3 and Ultra using the balloon cushion and buddy balloon techniques
TCT 1648: Successful transcatheter aortic valve implantation in a patient with severe aortic stenosis after the comprehensive aortic root and valve repair surgery
Presenting Author: Suk Min Seo

TCT 1649: No contrast Transcatheter Aortic Valve Replacement TAVR with the Direct Aortic DA Approach A case with severe allergy to contrast agents and a vulnerable plaque rich tortuous descending aorta.
Presenting Author: Takayoshi Kanie

TCT 1650: Transcatheter aortic valve in valve implantation with bioprosthetic valve ring fracture for the treatment of a degenerated surgical valve of small label size
Presenting Author: Tommaso Fabris

TCT 1651: A case of severe aortic stenosis with severe calcification on left ventricular outflow tract treated by transfemoral approach transcatheter aortic valve implantation after endovascular treatment for severe stenosis of common iliac artery.
Presenting Author: Tomo Fujioka

TCT 1652: Fortune favours the bold
Presenting Author: Vladimir Rubimbrua

TCT 1653: Emergent Transcatheter Aortic Valve Replacement for Degenerated Aortic Valve Bioprosthesis Presenting with Acute Aortic Insufficiency and Cardiogenic Shock: Time For The On Call TAVR Team
Presenting Author: William Merhi

TCT 1654: Recurrent intra procedural ventricular flutter during TAVR
Presenting Author: Won Kim

TCT 1655: Transcatheter Aortic Valve Replacement after Endovascular Aortic Repair
Presenting Author: Yoshimitsu Takaoka

TCT 1656: a case of impending rupture of aortic aneurysm few days after TAVI for bicuspid valve
Presenting Author: Yusuке Tokuda

Coronary XXX

TCT 1657: Peri procedural mechanical circulatory support
Presenting Author: Lina Yaqoub

TCT 1658: The Intra Aortic Balloon Pump insertion in case of post myocardial infarction ventricular septal defect: still a reliable indication.
Presenting Author: Florian Rey

TCT 1659: Hemodynamic support in LM intervention is a cornerstone for saving the patient especially in acute situation
Presenting Author: Mohamed Oraby

TCT 1660: Cardiogenic Shock due to STEMI and NO surgeons on site Staying Alive
Presenting Author: Stephen Dorman

TCT 1661: Perfectionism a double edged sword
Presenting Author: YEE SIN TEY

TCT 1662: Stuck In a Tight SpotThe Entrapment of an Inflated Balloon in the Left Main after VIVTAVR Saved By IABP and Rescue Left Main Stenting.
Presenting Author: Abdel Rahaman Omer

TCT 1663: Balloon pump to the rescue For the surgeon and the cardiologist..
Presenting Author: Jonathan Hinton

TCT 1664: IABP support in anterior STEMI with cardiogenic shock bilateral PEs and multifocal pneumonia.
Presenting Author: Bryce Rhodehouse

TCT 1665: Complex primary PCI during CPR assisted with IABP in a patient with thrombotic LMCA occlusion and three vessel disease
Presenting Author: Carlos Enrique Ochoa Castro

TCT 1666: Every Interventionist's nightmare: Intra aortic balloon pump IABP saved the day
Presenting Author: Siddhartha Mengi

TCT 1667: Axillary intra aortic balloon counterpulsation for severe ischemic mitral regurgitation and cardiogenic shock
Presenting Author: Klio Konstantinou

TCT 1679: Primary PCI supported with Impella LVAD in STEMI due to simultaneous thrombosis of multiple vessels
Presenting Author: Carlos Enrique Ochoa Castro

TCT 1680: Cardiogenic shock after acute Coronary Artery Bypass Grafts CABG and native coronaries thrombosis requiring Impella CP via the axillary artery. A life saving approach.
Presenting Author: Adrian Mercado

TCT 1682: Coronary obstruction following valve in valve TAVR despite BASILICA: Ready for the debris
Presenting Author: Faisal Khan

TCT 1683: RP Impella Post Right Ventricular Infarction
Presenting Author: Ali Faraq

TCT 1687: The Changing Practice: Percutaneous Axillary Impella assisted bifurcation PCI of unprotected left main coronary artery disease in Acute Myocardial Infarction
Presenting Author: Heminder Meet Singh

TCT 1690: Emergent PCI of a Critical Left Main Stenosis in Cardiogenic Shock with Hemodynamic Support using Impella CP
Presenting Author: Giorgio Medranda

TCT 1692: Prolonged wins the race...
Presenting Author: Rimsha Hasan

TCT 1696: Impella supported LMS IVL PCI with pacemaker inhibition
Presenting Author: Claudia Cosgrove

TCT 1697: Successful Impella Supported Percutaneous Coronary Intervention in a Patient with Non ST Segment Elevation Myocardial Infarction Complicated by Cardiogenic Shock
Presenting Author: Michael Brener
2:00 am - 3:00 pm

Coronary XXIX

Discussant: Teiji Akagi, Bruce Bowers, Joanna Chikwe, Giovanni Esposito, Anton Farkas, Khalil Fattouch, Jason Foerst, Santiago Garcia, George Gellert, Paul Gurbel, Jan Harne, Jonathan M. Hill, Vijay Iyer, Katherine Kearney, Nish Patel

2:00 am
TCT 1668: Mechanical Circulatory Support in High Risk Acute Coronary Syndrome Associated with Ventricular Arrhythmia
Presenting Author: Lina Ya’qoub

2:00 am
TCT 1669: A Case of Intraoperative Myocardial Infarction with Cardiogenic Shock Impella Support and Subsequent Management of Life Threatening Hemorrhage with Abdominal Compartment Syndrome
Presenting Author: Peter Nguyen

2:00 am
TCT 1670: IMPELLA facilitated IVUS Guided Left Main with Double CTO Revascularisation in NSTEMI with Severe LV Impairment and Severe Ischaemic Mitral Regurgitation
Presenting Author: Kalaivani Mahadevan

2:00 am
TCT 1671: Impella Support in Transgender Patient Receiving Hormone Replacement Therapy Presenting with STEMI and Cardiogenic Shock
Presenting Author: Ilana Samara Hurtado Rendon

2:00 am
TCT 1672: Biventricular Percutaneous Support With Biventricular Impella Support in a Patient With Profound CardiogenicShock
Presenting Author: Rudin Gjeka

2:00 am
TCT 1673: Successful use ofimpellaCP through femoral access in a patient with bilateral iliac and aortic endoprosthesis in the setting of cardiogenic shock
Presenting Author: Luis Dallan

2:00 am
TCT 1674: Emergent Placement of a Transcaval Impella CP in patient with Cardiac Arrest following an Anterior STEMI
Presenting Author: Charles Cui

2:00 am
TCT 1675: Cardiogenic Shock CComplicated(95,868),(900,978) by Diffuse Alveolar Hemorrhage DAH: Simultaneous use of an Impella CP and Venous Venous VV Extracorporeal Membrane Oxygenation ECMO in a Case of ST Elevation Myocardial Infarction STEMI requiring tissue Plasminogen Activator tPA
Presenting Author: Peter Avvento

2:00 am
TCT 1676: Hemodynamic Support or Not:High risk PCI in STEMI and Cardiogenic Shock Presenting with Cardiac Arrest
Presenting Author: Jian Liang Tan

2:00 am
TCT 1677: Percutaneous Auxiliary Access for Mechanical Circulatory Support in Complex Higher Risk Indicated Procedures CHIP
Presenting Author: Francesca Ristalli

THE IMPACT OF DESIGN ON CORONARY GUIDEWIRE PERFORMANCE: A HANDS-ON EXPERIENCE

The Impact of Design on Coronary Guidewire Performance: A Hands-On Experience

SATURDAY, SEPTEMBER 28, 2019
8:00 am - 9:30 am
Training Pavilion, Hall F
### The Impact of Design on Coronary Guidewire Performance: A Hands-On Experience

**Training Pavilion Faculty:** Emmanouil S. Brilakis, Andrea Gagnor, Duane S. Pinto, Robert F. Riley, Jason Wollmuth

- **8:00 AM** Introduction
- **8:05 AM** Didactic on Guidewire Building Blocks and WH wires
- **8:15 AM** Hands on Workhorse Wires Activity
- **8:30 AM** Polymer Jacketed Wires Overview and Hands on Activity
- **8:50 AM** Extra SupportSpecialty wires Overview and Hands on Activity
- **9:10 AM** TurnTrac Wire Overview and Hands on Activity

### Large-Bore Access To Close: What You Want (and Need) To Know

**Large-Bore Access To Close: What You Want (and Need) To Know**

**SATURDAY, SEPTEMBER 28, 2019**

**10:00 AM - 11:30 AM**

Training Pavilion, Hall F

- **10:00 AM - 10:20 AM**
  - Introduction - Access Planning and Management of Complications Review
  - Training Pavilion Faculty: Adhir Shroff, Rajiv Tayal

- **10:20 AM - 11:30 AM**
  - Hands-On Device Deployment
  - Training Pavilion Faculty: Adhir Shroff, Rajiv Tayal

### Now That I See It, I Know How To Treat It! A Hands-On OCT Skills Lab

**Now That I See It, I Know How To Treat It! A Hands-On OCT Skills Lab**

**SATURDAY, SEPTEMBER 28, 2019**

**12:00 PM - 1:30 PM**

Training Pavilion, Hall F

- **12:00 PM - 12:20 PM**
  - OCT: Now That I See It - Presentation

- **4:00 PM - 4:15 PM**
  - Didactic Session
  - Training Pavilion Faculty: Kevin J. Croce, Vamsi Krishna, Bruce Samuels, R. Jay Widmer

- **4:15 PM - 5:30 PM**
  - Hands-On Activity Guided by Five Case Scenarios: Utilizing a Wet Model to Perform RFR and FFR
  - Training Pavilion Faculty: Kevin J. Croce, Vamsi Krishna, Bruce Samuels, R. Jay Widmer

### Physiology Simplified: A Hands-On RFR Skills Lab

**Physiology Simplified: A Hands-On RFR Skills Lab**

**SATURDAY, SEPTEMBER 28, 2019**

**4:00 PM - 5:30 PM**

Training Pavilion, Hall F

- **4:00 PM - 4:15 PM**
  - Didactic Session
  - Training Pavilion Faculty: Kevin J. Croce, Vamsi Krishna, Bruce Samuels, R. Jay Widmer

- **4:15 PM - 5:30 PM**
  - Hands-On Activity Guided by Five Case Scenarios: Utilizing a Wet Model to Perform RFR and FFR
  - Training Pavilion Faculty: Kevin J. Croce, Vamsi Krishna, Bruce Samuels, R. Jay Widmer

### Optimizing PCI: When to Use What in Coronary Physiology and Imaging: Case Review and Hands-On

**Training Pavilion Faculty:** Ziad A. Ali, Hiram G. Bezerra, Michael Chan, Bassem Chehab, Kevin J. Croce, Jonathan M. Hill, Aziz Maksoud, Emile Mehanna, Bimal Padaliya, Richard Shlofmitz, Gabriel Tensol, Armando Vergara-Martel, Nick E. J. West

- **12:20 PM - 1:30 PM**
  - Virtual Reality Interactive OCT Session
  - OCT Workstation Measurements Assessments and Procedure Planning
  - Image Acquisition With a Wet Model Practice
OPTIMIZING PCI: When to Use What in Coronary Physiology and Imaging: Case Review and Hands-On
SATURDAY, SEPTEMBER 28, 2019
8:00 AM - 9:30 AM
Training Pavilion, Hall F

8:00 AM - 9:30 AM
Optimizing PCI: When to Use What in Coronary Physiology and Imaging: Case Review and Hands-On
Training Pavilion Faculty: Allen Jeremias, Arnold Seto

8:00 AM  Introduction
8:05 AM  When to Use What to Optimize PCI
8:35 AM  Hands On Rotations

COMPLEX LESION ALGORITHMIC APPROACH: PROVEN DEVICES AND NEW APPLICATIONS

SATURDAY, SEPTEMBER 28, 2019
10:00 AM - 11:30 AM
Training Pavilion, Hall F

10:00 AM - 11:30 AM
Complex Lesion Algorithmic Approach: Proven Devices and New Applications
Training Pavilion Faculty: Perwaiz M. Meraj, Srini Potluri, Anthony J. Spaedy

10:00 AM  Introduction
10:05 AM  Complex Lesion Algorithmic Approach: Proven Devices and New Applications
10:35 AM  Hands On Rotations

TAVR: AN INTERACTIVE EXPERIENCE WITH SENTINEL CPS

SATURDAY, SEPTEMBER 28, 2019
12:00 PM - 1:30 PM
Training Pavilion, Hall F

12:00 PM - 1:30 PM
TAVR: An Interactive Experience With Sentinel CPS
Training Pavilion Faculty: Hemal Gada, Tamim M. Nazif

12:00 PM  Introduction
12:05 PM  Product Data Overview and Case Reviews
12:35 PM  Hands On Rotations

MANAGING THE PATIENT AT HIGH RISK OF BLEEDING: ONYX ONE; AN EVIDENCE BASED APPROACH

Management the Patient at High Risk of Bleeding: Onyx One; an Evidence Based Approach
SATURDAY, SEPTEMBER 28, 2019
8:00 AM - 9:30 AM
Training Pavilion, Hall F

8:00 AM - 9:30 AM
Managing the Patient at High Risk of Bleeding: Onyx One; an Evidence Based Approach
Training Pavilion Faculty: Roxana Mehran, Matthew J. Price, Daniel I. Simon, Stephan Windecker

OPTIMIZING OUTCOMES IN PATIENTS WITH BIFURCATION LESIONS

Optimizing Outcomes in Patients with Bifurcation Lesions
SATURDAY, SEPTEMBER 28, 2019
10:00 AM - 11:30 AM
Training Pavilion, Hall F

10:00 AM - 11:30 AM
Optimizing Outcomes in Patients with Bifurcation Lesions
Training Pavilion Faculty: Francesco Burzotta, Jens Flensted Lassen, Goran Stankovic

LIFETIME MANAGEMENT OF THE LOW RISK TAVR PATIENT

Lifetime Management of the Low Risk TAVR Patient
SATURDAY, SEPTEMBER 28, 2019
12:00 PM - 1:30 PM
Training Pavilion, Hall F
## Lifetime Management of the Low Risk TAVR Patient

Training Pavilion Faculty: Tsuyoshi Kaneko

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>12:00</td>
<td>Introduction</td>
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<td>12:05</td>
<td>Low Risk Data Review</td>
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<td>12:15</td>
<td>Low Risk Patient Selection and Treatment Pathway Considerations and</td>
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<td>Shared Decision Making</td>
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<td>12:45</td>
<td>Interactive Discussion on Patient Scenarios</td>
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## TREATMENT OF CARDIOGENIC SHOCK

### DAY 3 WORKSHOP 1

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>8:00 AM</td>
<td>Introduction to Post TAVR PCI</td>
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<tr>
<td>8:15 AM</td>
<td>Cases with Common Access Challenges</td>
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<tr>
<td>8:35 AM</td>
<td>Simulation Demo</td>
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<tr>
<td>4:45 PM</td>
<td>Hand On Simulation</td>
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### HOW THINGS WORK - THE SCIENCE OF RDN

### SATURDAY, SEPTEMBER 28, 2019

2:00 PM - 3:30 PM

Training Pavilion, Hall F

#### How Things Work - The Science of RDN

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>2:00 PM</td>
<td>Session Objectives</td>
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<tr>
<td>2:05 PM</td>
<td>Preclinical Evidence About Renal Denervations Mechanism of Action</td>
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<tr>
<td>2:25 PM</td>
<td>Renal Denervation Response and Affecting Factors What About Isolated</td>
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<td>Systolic Hypertension</td>
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<td>2:45 PM</td>
<td>Mechanisms of Radio Frequency Ablation and the Truth About the Ablation Depth</td>
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<tr>
<td>3:05 PM</td>
<td>Radio Frequency Ablation for Renal Denervation</td>
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### TIPS, TOOLS, AND TECHNIQUES FOR SUCCESSFUL POST-TAVR PCI

### SATURDAY, SEPTEMBER 28, 2019

4:00 PM - 5:30 PM

Training Pavilion, Hall F

#### Tips, Tools, and Techniques for Successful Post-TAVR PCI

<table>
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<td>4:45 PM</td>
<td>Hand On Simulation</td>
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COMPLEX LESION MANAGEMENT IN SFA INTERVENTION

Complex Lesion Management in SFA Intervention

SATURDAY, SEPTEMBER 28, 2019
8:00 am - 9:30 am
Training Pavilion, Hall F

8:00 am - 9:30 am
SFA Intervention: De-Bulking, Complex Lesions, and Definitive Therapy Session I

8:00 am Session I: Introduction
8:00 am Introduction: Introducing Unmet Needs
Complex Lesions Definitive Treatment Options and Debulking
Lecturer: Sahil A. Parikh

8:10 am Session II: Rotations Four 20 Minute Rotations
8:10 am Rotation: Definitive Treatment Options Featuring Abbott
Training Pavilion Faculty: Danielle Bajakian, Peter Farrugia, Craig M. Walker

8:10 am Rotation: Definitive Treatment Options and Debulking Featuring BSC
Training Pavilion Faculty: George L. Adams, George S. Chrysant, Beau Hawkins, S. Jay Mathews

8:10 am Rotation: Definitive Treatment Options Debulking and Complex Lesions Featuring Medtronic
Training Pavilion Faculty: S. Hinan Ahmed, Subhash Banerjee, Bryan T. Fisher, Peter P. Monteleone

TIPS AND TRICKS FOR CHIP/COMPLEX PCI

Tips and Tricks for CHIP/Complex PCI

SATURDAY, SEPTEMBER 28, 2019
2:00 pm - 3:30 pm
Training Pavilion, Hall F

2:00 pm - 3:30 pm
Tips and Tricks for CHIP/Complex PCI Session I
Training Pavilion Faculty: Mark Bieniarz, Ronald Caputo, Jon George, Annapoorna Kini, Kintur A. Sanghvi, Jason Wollmuth

2:00 pm Rapid Fire Case Presentations
2:00 pm My Top 10 Tips and Tricks for Treating Bifurcation Lesions
Case Presenter: Annapoorna Kini

2:12 pm Roundtable Discussion With Audience QA
Case Presenter: Jon George

2:27 pm Roundtable Discussion With Audience QA
Case Presenter: Jason Wollmuth

2:42 pm Roundtable Discussion With Audience QA
Case Presenter: Jason Wollmuth

2:45 pm Hands On Rotations Between Medtronic Abiomed and TBD
2:45 pm Rotation: Medtronic Inc. Featured Devices: Telescope Radial Guides Bifurcation Videos
Three 12 Minute Presentations Followed by 3 Minute Discussion
Training Pavilion Faculty: Mark Bieniarz, Ronald Caputo, rajneesh kapoor, balbir singh
2:45 pm | Rotation: Abiomed Featured Devices and Access Three 12 Minute Presentations Followed by 3 Minute Discussion
Training Pavilion Faculty: Dimitrios Bliagos, Jason Wollmuth

Tips and Tricks for CHIP/Complex PCI
SATURDAY, SEPTEMBER 28, 2019
4:00 am - 5:30 am
Training Pavilion, Hall F

4:00 am | Rapid Fire Case Presentations
4:00 am | My Top 10 Tips and Tricks for Treating Bifurcation Lesions
Case Presenter: Miroslaw Ferenc
4:12 am | Roundtable Discussion With Audience QA
Case Presenter: Miroslaw Ferenc
4:15 am | My Top 10 Tips and Tricks for Crossing and Device Delivery
Case Presenter: Dimitrios Bliagos
4:27 am | Roundtable Discussion With Audience QA
Case Presenter: Dimitrios Bliagos
4:30 am | Novel Forms of Access With Hemodynamic Support
Case Presenter: Duane S. Pinto
4:42 am | Roundtable Discussion With Audience QA
Case Presenter: Duane S. Pinto
4:45 am | Hands On Rotations Between Medtronic Abiomed and TBD

8:05 am - 8:20 am | Practice-based Lecture: Antegrade Approach for CTO - How and Why?
Training Pavilion Faculty: Jie Zhao

8:20 am - 8:35 am | Practice-based Lecture: ADR for CTO - How and Why?
Training Pavilion Faculty: Bin Nie

8:35 am - 8:50 am | Practice-based Lecture: IVUS-Guided CTO PCI - How and Why?
Training Pavilion Faculty: Chunjian Li

8:50 am - 9:30 am | Meet the Experts / Demonstration with Step-by-Step Hands-On Training on Models

CTO MASTERS OPERATOR WORKSHOP @ TCT 2019 (PART 2)

CTO Masters Operator Workshop @ TCT 2019 (PART 2)
SATURDAY, SEPTEMBER 28, 2019
10:00 am - 11:30 am
Training Pavilion, Hall F

10:00 am - 10:15 am | Practice-based Lecture: Retrograde Approach for CTO - How and Why?
Training Pavilion Faculty: ma jianying

10:15 am - 10:30 am | Practice-based Lecture: Reverse CART and Active Greeting Technique - How and Why?
Training Pavilion Faculty: Tao Hu

10:30 am - 10:45 am | Practice-based Lecture: Management of CTO PCI Complications - How and Why?
Training Pavilion Faculty: Yuchen Zhang

10:45 am - 11:30 am | Meet the Experts / Demonstration with Step-by-Step Hands-On Training on Models

8:00 am - 8:05 am | Introduction & Opening Speech

CTO MASTERS OPERATOR WORKSHOP @ TCT 2019 (PART 1)

CTO Masters Operator Workshop @ TCT 2019 (PART 1)
SATURDAY, SEPTEMBER 28, 2019
8:00 am - 9:30 am
Training Pavilion, Hall F

8:00 am - 8:05 am | CINCHING THE MITRAL APPARATUS TO TREAT FMR: CARILLON MITRAL CONTOUR SYSTEM HANDS-ON TRAINING

TRANSCATHETER VALVE THERAPY | SATURDAY, SEPTEMBER 28, 2019
Last Updated 08/16/2019 Page: 164
Cinching the Mitral Apparatus to Treat FMR: Carillon Mitral Contour System Hands-On Training

SATURDAY, SEPTEMBER 28, 2019
2:00 PM - 3:30 PM
Training Pavilion, Hall F

2:00 PM - 2:05 PM
Introduction
Training Pavilion Faculty: Steven Goldberg, Martin B. Leon, Klaus Witte

2:05 PM - 2:10 PM
Cardiac Dimensions’ Mission
Training Pavilion Faculty: Steven Goldberg, Martin B. Leon, Klaus Witte

2:10 PM - 2:15 PM
The Carillon Trial - IDE Study Currently Enrolling Sites & Patients
Training Pavilion Faculty: Steven Goldberg, Martin B. Leon, Klaus Witte

2:15 PM - 2:25 PM
The Carillon Mitral Contour System
Training Pavilion Faculty: Steven Goldberg, Martin B. Leon, Klaus Witte

2:25 PM - 3:25 PM
Breakout Sessions
Training Pavilion Faculty: Steven Goldberg, Martin B. Leon, Klaus Witte

2:25 PM
Station 1  Dry Model Deployment on the Carillon Mitral Contour System
2:25 PM
Station 2  Animal Model Deployment of the Carillon Mitral Contour System
2:25 PM
Station 3  Wet Model Deployments of the Carillon Mitral Contour System Showing Improvements in Hemodynamics and Cinching of the Mitral Apparatus

3:25 PM - 3:30 PM
Close and Adjourn
Training Pavilion Faculty: Steven Goldberg, Martin B. Leon, Klaus Witte

BIORESORBABLE SCAFFOLDS - 4

Bioresorbable Scaffolds - 4

Coronary: Core

SATURDAY, SEPTEMBER 28, 2019
9:30 AM - 10:30 AM
Moscone South, Lower Level, Exhibit Hall, Moderated Posters 4

9:30 AM - 10:30 AM
Bioresorbable Scaffolds - 4
Moderators: Jean-François Tanguay, Robert-Jan Van Geuns Discussants: Stefan Verheyen, Nick E. J. West

9:30 AM
TCT 182: Peri strut low intensity areas and neointimal response evaluation by serial optical coherence tomography at baseline 1 2 and 5 years after bioresorbable scaffold implantation in STEMI
Presenting Author: Dorota Ochijewicz

9:37 AM
Discussion

9:40 AM
TCT 183: The Impact of Atherosclerotic Plaque Type on Strut Penetration and Local Hemodynamics in Bioresorbable Scaffolds
9:47 AM Discussion

9:50 AM TCT 184: Early Scaffold Disruption and Late Structural Discontinuity after Implantation of the Aptitude Sirolimus Eluting Bioresorbable Scaffold in Normal Porcine Coronary Arteries: An OCT Study
Presenting Author: Yanping Cheng

9:57 AM Discussion

10:00 AM TCT 185: ABSORB CTO study. Long term follow up and vasomotor and OCT findings.
Presenting Author: LIVIA LUCIANA GHEORGHE

10:07 AM Discussion

10:10 AM TCT 186: Preclinical Evaluation of a Novel Thin strut PLLA Bioresorbable Scaffold in Porcine Coronary Artery at 6 month Follow up
Presenting Author: Kuniaki Takahashi

10:17 AM Discussion

10:20 AM TCT 187: Reduction of Strut Thickness Improves Early up to 180 Days Arterial Response To The Ultra High Molecular Weight Amorphous PLLA Sirolimus Eluting Bioresorbable Scaffolds in Normal Porcine Coronary Arteries
Presenting Author: Pawel P. Gasior

10:27 AM Discussion

HEMODYNAMIC SUPPORT DURING PCI

SATURDAY, SEPTEMBER 28, 2019
9:30 AM - 10:20 AM
Moscone South, Lower Level, Exhibit Hall, Moderated Posters 7

9:30 AM - 10:20 AM HEMODYNAMIC SUPPORT DURING PCI
Moderators: Khaldoon F. Alaswad, Thomas D. Stuckey
Discussants: Mir Babar Basir, John McB. Hodgson, Michael A. Kutcher, Rajeev Narayan

9:30 AM TCT 318: Hemodynamics of High Risk Percutaneous Coronary Intervention With and Without Mechanical Circulatory Support: A Pilot Study With Pressure Volume Loop Analysis
Presenting Author: Michael Brener

9:37 AM Discussion

9:40 AM TCT 319: Impact of Percutaneous Ventricular Assist Device Utilization Volume During Percutaneous Coronary Intervention in Non Cardiogenic Shock Patients on 30 Day Readmission Rate: A Nationwide Cohort Study
Presenting Author: Yasser Al-khadr

9:47 AM Discussion

9:50 AM TCT 320: Prophylactic Veno Arterial Extra Corporeal Membrane Oxygenation in Patients Undergoing High Risk Percutaneous Coronary Interventions
Presenting Author: Floris van den Brink

9:57 AM Discussion

10:00 AM TCT 321: Head to head comparison of a pulsatile and a continuous flow left ventricular assist device in high risk PCI setting iVAC2L vs. Impella 2.5

DRUG-ELUTING STENT STUDIES - 4

SATURDAY, SEPTEMBER 28, 2019
9:30 AM - 10:30 AM
Moscone South, Lower Level, Exhibit Hall, Moderated Posters 8

9:30 AM - 10:30 AM DRUG-ELUTING STENT STUDIES - 4
Moderators: Michael Maeng
Discussants: Thomas C. McAndrew, Gert Richardt, Philip M. Urban

9:30 AM TCT 294: Clinical Outcomes in Women and Minorities According to the Urgency of Percutaneous Coronary Intervention
Presenting Author: Davide Cao

9:37 AM Discussion

9:40 AM TCT 295: Prognosis of percutaneous coronary intervention with very long stents implantation in real clinical practice.
Presenting Author: IGNACIO SANCHEZ PEREZ

9:47 AM Discussion

9:50 AM TCT 296: Comparison between the use of very long stents and overlapping stents for the treatment of diffuse coronary artery disease. A real life registry
Presenting Author: IGNACIO SANCHEZ PEREZ

9:57 AM Discussion

10:00 AM TCT 297: Performing percutaneous coronary interventions with pre dilatation using non compliant balloons at high pressure versus conventional pre dilatation with semi compliant balloons Insights from two randomized studies using optical coherence tomography
Presenting Author: Matthias Bossard

10:07 AM Discussion

10:10 AM TCT 298: Outcomes of Patients Undergoing Complex Percutaneous Coronary Intervention
Presenting Author: Lorenzo Azzalini

10:17 AM Discussion

10:20 AM TCT 299: The Impact of Left Ventricular Ejection Fraction on Long term Outcomes in Patients Undergoing PCI: Analysis from a large pooled randomized trial dataset
Presenting Author: mingyou zhang

10:27 AM Discussion
INTRAVASCULAR IMAGING - 4

SATURDAY, SEPTEMBER 28, 2019
9:30 am - 10:30 am
Moscone South, Lower Level, Exhibit Hall, Moderated Posters 2

9:30 AM - 10:30 AM
Intravascular Imaging - 4
Moderators: Javaid Iqbal Discussants: Haibo Jia, Vincent On-Hing Kwok

9:30 AM
TCT 358: Clinical impact of intravascular ultrasound guidance in stenting for angiographically moderate to severe calcified coronary lesion
Presenting Author: Han-bit Park

9:37 AM
Discussion

9:40 AM
TCT 359: Intravascular Coronary Plaque Characterization Using Hybrid Intravascular Ultrasound and Optical Coherence Tomography: a Preliminary Study Based on User Interpretation Compared to Histology Reference
Presenting Author: Brian Li

9:47 AM
Discussion

9:50 AM
TCT 360: Infrapopliteal Arterial Dissections Following Balloon Angioplasty and Orbital Atherectomy Using Intravascular Ultrasound
Presenting Author: W John Shammas

9:57 AM
Discussion

10:00 AM
TCT 361: Optical Coherence Tomography in Routine Clinical Practice
Presenting Author: Jonas Haener

10:07 AM
Discussion

10:10 AM
TCT 362: Comparison of Outcomes in Patients undergoing Percutaneous Coronary Intervention Using Intravascular Ultrasound or Intravascular optical coherence tomography
Presenting Author: Fahed Darmoch

10:17 AM
Discussion

10:20 AM
TCT 363: In hospital Outcomes of Intracoronary Imaging guided Versus Angiographic guided Percutaneous Coronary Intervention
Presenting Author: Fahed Darmoch

10:27 AM
Discussion

NOVEL AORTIC DEVICES AND APPROACHES

Novel Aortic Devices and Approaches
Structural: Valve

SATURDAY, SEPTEMBER 28, 2019
9:30 am - 10:30 am
Moscone South, Lower Level, Exhibit Hall, Moderated Posters 5

9:30 AM - 10:30 AM
Novel Aortic Devices and Approaches
Moderators: Stefan Anker, Martin W. Bergmann Discussants: Saif Anwaruddin, Gary Gershony, Robert J. Lederman

9:30 AM
TCT 477: Balloon aortic valvuloplasty: a pilot experience of same day discharge with a transradial approach
Presenting Author: Marco Balducelli

9:37 AM
Discussion

9:40 AM
TCT 478: Results of the Italian Multicenter Register of the Safety and Feasibility of Transradial Mini Invasive Balloon Aortic Valvuloplasty Softly II
Presenting Author: Carlo Tumscitz

9:47 AM
Discussion

9:50 AM
TCT 479: Transfermoral aortic valve implantation using self expanding New Valve Technology NVT Allegra bioprosthesis: short and long term results
Presenting Author: Dariusz Jagielak

9:57 AM
Discussion

10:00 AM
TCT 480: Specific intraprocedural adverse events with new generation self expandable TAVR devices: Is it all a matter of device size
Presenting Author: Verena Veulemans

10:07 AM
Discussion

10:10 AM
TCT 481: Transcatheter Transapical Aortic Valve Resection: NewDevices
Presenting Author: Georg Lutter

10:17 AM
Discussion

10:20 AM
TCT 482: Temporal evaluation of a biological response and functionality of a novel balloon expandable transcatheter aortic valve system MyVal in a model of aortic banding
Presenting Author: Piotr P. Buszman

10:27 AM
Discussion

PRE-CLINICAL MODELS AND STUDIES

Pre-Clinical Models and Studies

SATURDAY, SEPTEMBER 28, 2019
9:30 am - 10:30 am
Moscone South, Lower Level, Exhibit Hall, Moderated Posters 1
9:30 AM - 10:30 AM  
**Pre-Clinical Models and Studies**  
Moderators: Paolo Denti, Aaron V. Kaplan  
Discussants: Armando Perez de Prado, Gary L. Schaer, Robert S. Schwartz

**TCT 593: Left Ventricular Unloading Preserves Energy Substrate Utilization in Preclinical Models of Acute Myocardial Infarction**  
Presenting Author: Lija Swain

**TCT 594: Blunting the Double Edged Sword of Reperfusion: Left Ventricular Unloading Protects the Functional Integrity of Mitochondrial Complex I in Preclinical Models of Ischemia With and Without Reperfusion**  
Presenting Author: Lija Swain

**TCT 595: Left Ventricular Cardiac Reshaping With Transmyocardial Splints Does not Impair Diastolic Function in Preclinical Studies**  
Presenting Author: Daisuke Onohara

**TCT 596: Reducing Left Ventricular Sphericity With a Transventricular Myocardial Splint Improves Systolic Function in a Preclinical Ischemic Cardiomyopathy Model**  
Presenting Author: Daisuke Onohara

**TCT 597: A Novel Superior Vena Caval Occlusion Catheter System Reduces Biventricular Filling Pressures While Maintaining Cardiac Output in a Model of Acute Congestive Heart Failure**  
Presenting Author: Navin K. Kapur

**Renal Denervation**

SATURDAY, SEPTEMBER 28, 2019  
9:30 AM - 10:20 AM  
Moscone South, Lower Level, Exhibit Hall, Moderated Posters 3

9:30 AM - 10:20 AM  
**Renal Denervation**  
Moderators: Dmitriy N. Feldman  

**TCT 604: Results of 6 months follow up after renal denervation for patients with resistant hypertension.**  
Presenting Author: Daria Chigidinova

9:37 AM  
Discussion

9:40 AM  
**TCT 605: Sympathetic renal denervation in patients with refractory arterial hypertension: two year follow up**  
Presenting Author: Danil Maximkin

9:47 AM  
Discussion

9:50 AM  
**TCT 606: Adventitial Guanethidine MMS 008 in Comparison to Ethanol and a Prior Formulation of Guanethidine MMS 007 for Renal Denervation: Preclinical Norepinephrine and Histopathology Results**  
Presenting Author: Kirk P. Seward

9:57 AM  
Discussion

10:00 AM  
**TCT 607: Optimizing Safety and Efficacy of Lesion Formation for Percutaneous Renal Denervation: Human and Porcine Histological Analysis**  
Presenting Author: Andrew Sharp

10:07 AM  
Discussion

10:10 AM  
**TCT 608: Implementation of Bayesian Study Design in the SPYRAL HTN OFF MED Pivotal Trial**  
Presenting Author: Michael Böhm

10:17 AM  
Discussion

**VULNERABLE PLAQUES AND HIGH-RISK PATIENTS - 2**

9:30 AM - 10:30 AM  
The Moscone Center

9:30 AM - 10:30 AM  
**Vulnerable Plaques and High-Risk Patients - 2**  
Moderators: Robert L. Wilensky  
Discussants: Imad Sheiban, Lei Song, Pim A.L. Tonino, Konstantinos Toutouzas

9:30 AM  
**TCT 833: Inflammatory Risk Status Is Age Dependent in Women but Not in Men Undergoing Percutaneous Coronary Intervention**  
Presenting Author: Rishi Chandiramani

9:37 AM  
Discussion

9:40 AM  
**TCT 834: Coronary Plaque Vulnerability in Statin Treated Patients with Elevated LDL C and hs CRP: Optical Coherence Tomography Study**  
Presenting Author: Surbhi Chamaria

9:47 AM  
Discussion

9:50 AM  
**TCT 835: Impact of Early Intervention with Alogliptin on Coronary Plaque Regression in Patients with Acute Coronary Syndromes: A Prospective Single Center Randomized Trial**  
Presenting Author: Shinnosuke Kikuchi
9:57 AM Discussion

10:00 AM TCT 836: The ratio serum creatinine:serum cystatin C as a predictor of ischemic risk in elderly patients with coronary artery disease. 
Presenting Author: Hak Seung Lee

10:07 AM Discussion

10:10 AM TCT 837: Diagnosed Obstructive Sleep Apnea Is Associated With Improved In Hospital Mortality In Patients With Non ST Elevation Myocardial Infarction
Presenting Author: Sakiru Isa

10:17 AM Discussion

10:20 AM TCT 838: Prognostic Value of High Sensitivity C Reactive Protein in Percutaneous Coronary Intervention According to Body Mass Index
Presenting Author: Niklas Beyhoff

10:27 AM Discussion

DETECTION AND CLOSURE OF PARAVALVULAR LEAKS

Detection and Closure of Paravalvular Leaks

10:30 AM - 11:30 AM
Moscone South, Lower Level, Exhibit Hall, Moderated Posters 3

10:30 AM - 11:30 AM
Detection and Closure of Paravalvular Leaks
Moderators: Jose Luis Navia, Carlos E. Ruiz 
Discussants: Anna Sonia Petronio, Andres Pineda

10:30 AM TCT 253: Transcatheter Device Closure of Paravalvular Leaks a Single Centre Experience
Presenting Author: Raghuram Palaparti

10:37 AM Discussion

10:40 AM TCT 254: Impact of the aortic annulus maximal diameter on oversizing the self expandable valve Medtronic and on the reduction of post transcatheter aortic valve implantation paravalvular leak
Presenting Author: Sahbi Fradi

10:47 AM Discussion

10:50 AM TCT 255: Impact of the Aortic Annulus Maximal Diameter on Oversizing the Self Expandable Valve Medtronic and on the Reduction of Post Transcatheter Aortic Valve Implantation Paravalvular Leak
Presenting Author: Bechara EL JOURDI

10:57 AM Discussion

11:00 AM TCT 256: Minimally Invasive Transradial Approach for Percutaneous Closure of Aortic Paravalvular Leaks: a single center experience
Presenting Author: Luis Ortega-Paz

11:07 AM Discussion

11:10 AM TCT 257: Effect of Post Dilatation Irrespective of the Degree of Residual Paravalvular Leakage Following Balloon Expandable Transcatheter Aortic Valve Replacement
Presenting Author: TOMOHIRO KAWAGUCHI

11:17 AM Discussion

11:20 AM TCT 258: Outcomes of Residual Trivial and Mild Aortic Regurgitation After Transcatheter Aortic Valve Replacement
Presenting Author: Johnny Chahine

11:27 AM Discussion

DRUG-ELUTING STENT STUDIES - BIODEGRADABLE POLYMERS

Drug-Eluting Stent Studies - Biodegradable Polymers

10:30 AM - 11:30 AM
Moscone South, Lower Level, Exhibit Hall, Moderated Posters 8

10:30 AM TCT 300: One year Clinical Outcomes After Percutaneous Coronary Intervention With Biodegradable Polymer Ultra thin Strut Everolimus Eluting Coronary Stent System
Presenting Author: Ashok Thakkar

10:37 AM Discussion

10:40 AM TCT 301: Evaluating the Long term Prognosis of Coronary Artery Disease Patients with Biodegradable Polymer Drug eluting Stents Implantation after Risk Stratification with SYNTAX Revascularization Index: Results From a Secondary Analysis of the I LOVE IT 2 Trial
Presenting Author: Liya Bian

10:47 AM Discussion

10:50 AM TCT 302: Safety and Clinical Performance of Biodegradable Polymer coated Ultra thin Strut Sirolimus eluting Stents: Two year Outcomes From Real World Patient Population From the T Flex Registry
Presenting Author: POTHINENI RAMESH BABU

10:57 AM Discussion

11:00 AM TCT 303: Efficacy and Safety of the Biodegradable polymer sirolimus eluting stents in Routine Clinical Practice: Data from the IRIS DES Registry
Presenting Author: KyungJin Choe

11:07 AM Discussion

11:10 AM TCT 304: One year Clinical Outcomes in Patients Implanted With Biodegradable Polymer Coated Ultra thin Strut Sirolimus Eluting Coronary Stent System for the Treatment of Very Long 40 mm Lesions
MANAGEMENT OF ANTIPLATELET THERAPY AND ANTICOAGULATION IN PATIENTS UNDERGOING PCI - 4

Management of Antiplatelet Therapy and Anticoagulation in Patients Undergoing PCI - 4

Management of Antiplatelet Therapy and Anticoagulation in Patients Undergoing PCI - 4

Coronary: Core

SATURDAY, SEPTEMBER 28, 2019
10:30 AM - 11:30 AM
Moscone South, Lower Level, Exhibit Hall, Moderated Posters 4

10:30 AM - 11:30 AM
Management of Antiplatelet Therapy and Anticoagulation in Patients Undergoing PCI - 4

10:30 AM
TCT 412: Comparative Safety and Efficacy of Second Generation P2Y12 Inhibitors versus Clopidogrel in Combination with Oral Anticoagulation in Atrial Fibrillation Patients Undergoing Percutaneous Coronary Intervention: A Systematic Review and Meta Analysis
Presenting Author: Shaun Giancaterino

10:37 AM
Discussion

10:40 AM
TCT 413: Different Safety Pattern of Ticagrelor Monotherapy Following Percutaneous Coronary Interventions Related to Pulse Pressure Levels: A Sub analysis of the GLOBAL LEADERS Randomized Multicenter Trial
Presenting Author: Rodrigo Modolo

10:47 AM
Discussion

10:50 AM
TCT 414: Anticoagulation Regimens in Patients with Atrial Fibrillation undergoing Percutaneous Coronary Intervention Network Meta analysis.
Presenting Author: Alexander Ivanov

10:57 AM
Discussion

11:00 AM
TCT 415: Platelet reactivity inhibition following ticagrelor loading dose in patients undergoing percutaneous coronary intervention for acute coronary syndrome
Presenting Author: Vassili Panagides

11:07 AM
Discussion

11:10 AM
TCT 416: Efficacy and Safety of Single versus Double Antiplatelet Therapy in Patients on Anticoagulation following Percutaneous Coronary Intervention: A Systematic Review and Meta analysis
Presenting Author: Varunsiri Atti

11:17 AM
Discussion

11:20 AM
TCT 417: Influence of Thrombotic and Bleeding Risk on P2Y12 Receptor Inhibitor Choice in ACS after PCI: Insights From a Large Single Center Registry
Presenting Author: Ada Ip

11:27 AM
Discussion

PCI AND BLEEDING COMPLICATIONS

PCI and Bleeding Complications
Coronary: Core

SATURDAY, SEPTEMBER 28, 2019
10:30 AM - 11:30 AM
Moscone South, Lower Level, Exhibit Hall, Moderated Posters 7

10:30 AM - 11:30 AM
PCI and Bleeding Complications
Moderators: Philip M. Urban Discussants: Nicola Corvaja, Mark B. Effron, Rajiv Jauhar

10:30 AM
TCT 540: The Prognostic Impact of Bleeding and Ischemic Events on Mortality in Atrial Fibrillation Patients Undergoing Percutaneous Coronary Intervention Results From Multicenter Registry
Presenting Author: Hisao Otsuki

10:37 AM
Discussion

10:40 AM
TCT 541: Validation of the Academic Research Consortium High Bleeding Risk Criteria for Patients Undergoing Percutaneous Coronary Intervention
Presenting Author: Davide Cao

10:47 AM
Discussion

10:50 AM
TCT 542: Impact of Baseline Anemia and Thrombocytopenia on 1 Year Clinical Outcomes in Patients Undergoing Percutaneous Coronary Intervention
Presenting Author: Ridhima Goel

10:57 AM
Discussion

11:00 AM
TCT 543: Long term incidence and details of bleeding event after everolimus eluting stent implantation 78 year follow up outcomes
Presenting Author: Katsuya Miura

11:07 AM
Discussion

11:10 AM
TCT 544: Influence of Ischemic and Bleeding Risk Factors on Diabetic Patients Undergoing Percutaneous Coronary Intervention From the Xience Pooled Registry
Presenting Author: Ridhima Goel

11:17 AM
Discussion

11:20 AM
TCT 545: Development and validation of a prediction rule for transfusion in patients undergoing percutaneous coronary intervention using administrative clinical parameters: A Korean nationwide longitudinal cohort study
Presenting Author: Jin-Ho Choi
TAVR COMORBIDITIES AND COMPLICATIONS - 2

TAVR Comorbidities and Complications - 2

Structural: Valve

SATURDAY, SEPTEMBER 28, 2019
10:30 AM - 11:30 AM
Moscone South, Lower Level, Exhibit Hall, Moderated Posters 1

10:30 AM - 11:30 AM
TAVR Comorbidities and Complications - 2
Moderators: Manuel D. Pan, Christian Spies
Discussants: Ganesh Manoharan, Oscar A. Mendiz, Konstantinos Spargias

10:30 AM
TCT 697: Futility in the Modern Era of TAVR: Clinical Characteristics of High Risk Patients That Do Not Benefit From Transcatheter Aortic Valve Replacement
Presenting Author: David Cook

10:37 AM
Discussion

10:40 AM
TCT 698: Impact of Patient Frailty is Associated with Index and Readmission Outcomes Following TAVR
Presenting Author: Sara Emami

10:47 AM
Discussion

10:50 AM
TCT 699: Preoperative Frailty Parameters as Predictors for Outcomes after Transcatheter Aortic Valve Implantation a Systematic Review and Meta Analysis
Presenting Author: M.S. van Mourik

10:57 AM
Discussion

11:00 AM
TCT 700: Key Cardiovascular Outcomes After Balloon Expandable Versus Self Expandable Transcatheter Aortic Valve Implantation
Presenting Author: Haris Riaz

11:07 AM
Discussion

11:10 AM
TCT 701: Varying Pressure Recovery characteristics between Balloon Expandable Versus Self Expanding Valves
Presenting Author: Lakshmi Dasi

11:17 AM
Discussion

11:20 AM
TCT 702: Corevalve Evolut PRO versus Evolut R: a case matched comparison in severely calcified anatomies
Presenting Author: Kerstin Piayda

11:27 AM
Discussion

VASCULAR ACCESS AND CLOSURE IN PCI - 3

Vascular Access and Closure in PCI - 3
Coronary: Core

SATURDAY, SEPTEMBER 28, 2019
10:30 AM - 11:20 AM
Moscone South, Lower Level, Exhibit Hall, Moderated Posters 2

10:30 AM - 11:20 AM
Vascular Access and Closure in PCI - 3
Moderators: Samer Mansour, Samir B. Pancholy
Discussants: Somjot S. Brar, M. Nicholas Burke, Sudhir Rathore

10:30 AM
TCT 790: Forearm Radial Artery Occlusion Following Distal Radial Artery Approach
Presenting Author: Kazuki Tobita

10:37 AM
Discussion

10:40 AM
TCT 791: Low risk Transcatheter versus Surgical Aortic Valve Replacement A Meta Analysis of Randomized Controlled Trials
Presenting Author: Mahesh Anantha Narayanan

10:47 AM
Discussion

10:50 AM
TCT 792: Short Term Outcomes with Transcatheter vs. Surgical Aortic Valve Replacement in Low Risk Patients: A Meta Analysis of Randomized Controlled Trials
Presenting Author: Amartya Kundu

10:57 AM
Discussion

11:00 AM
TCT 793: Impact of Pulmonary Hypertension and COPD on Outcomes after Transcatheter Aortic Valve Replacement - A Report From the STSACC TVT Registry
Presenting Author: Joao Cavaalcante - DUPE

11:07 AM
Discussion

11:10 AM
TCT 794: Varying Pressure Recovery characteristics between Balloon Expandable Versus Self Expanding Valves
Presenting Author: Lakshmi Dasi

11:17 AM
Discussion

11:20 AM
TCT 795: Corevalve Evolut PRO versus Evolut R: a case matched comparison in severely calcified anatomies
Presenting Author: Kerstin Piayda

11:27 AM
Discussion

TAVR VS. SAVR AND TAVR VS. TAVR - 2

TAVR vs. SAVR and TAVR vs. TAVR - 2

Structural: Valve

SATURDAY, SEPTEMBER 28, 2019
10:30 AM - 11:30 AM
The Moscone Center
10:40 AM TCT 791: Reasons for not Using Radial Access for Percutaneous Coronary Intervention in era of Experienced Radial Operator
Presenting Author: Tanawan Riangwiwat
10:47 AM Discussion
10:50 AM TCT 792: Meta Analysis of Radial Hemostasis Trials Using Patent Hemostasis and a Potassium Ferrate Hemostatic Disc
Presenting Author: Matheen Khuddus
10:57 AM Discussion
11:00 AM TCT 793: Arterial Anomalies of Upper Limb and its Influence on Transradial Coronary Procedures
Presenting Author: naveen garg

VULNERABLE PLAQUES AND HIGH RISK PATIENTS - 3

10:30 AM - 11:30 AM
Vulnerable Plaques and High Risk Patients - 3
Coronary: CHIP

SATURDAY, SEPTEMBER 28, 2019
10:30 AM - 11:30 AM
Moscone South, Lower Level, Exhibit Hall, Moderated Posters 6

10:30 AM TCT 839: The relationship between winter time and increased air pollution expressed as PM10 concentration and the frequency of percutaneous coronary interventions in patients with acute coronary syndromes
Presenting Author: Rafał Januszek
10:37 AM Discussion
10:40 AM TCT 840: Index of multiple deprivation and percutaneous coronary intervention: An analysis from the British Cardiovascular Intervention Society database.
Presenting Author: Scot Garg
10:47 AM Discussion
10:50 AM TCT 841: The Impact of HIV on Coronary Artery Procedure in Patients of Coronary Artery Disease
Presenting Author: Amer N. Kadri
10:57 AM Discussion
11:00 AM TCT 842: Longterm incidence of myocardial infarction in patients undergoing percutaneous coronary intervention versus coronary artery bypass grafting for isolated left anterior descending artery disease: A Meta Analysis.
Presenting Author: Megha Prasad

11:07 AM Discussion
11:10 AM TCT 843: Burden of 30 days readmission after PCI to non index Hospital vs Index Hospital in the United states: Insights from the Nationwide Readmission Database NRD
Presenting Author: boutros karam
11:17 AM Discussion
11:20 AM TCT 844: Very Late gt1 Year Stent Related Adverse Cardiovascular Events: Individual Patient Data and Network Meta Analyses from Nineteen Randomized Clinical Trials
Presenting Author: Mahesh V. Madhavan
11:27 AM Discussion

AGE AND GENDER AND PRIMARY PCI

11:30 AM - 12:30 PM
Age and Gender and Primary PCI
Coronary: CHIP

SATURDAY, SEPTEMBER 28, 2019
11:30 AM - 12:30 PM
Moscone South, Lower Level, Exhibit Hall, Moderated Posters 6

11:30 AM TCT 122: Trends and Outcomes of Percutaneous Coronary Intervention for Acute ST Segment Elevation Myocardial Infarction in Patients with Opioid Abuse:Review from a National Database
Presenting Author: Sagar Ranka
11:37 AM Discussion
11:40 AM TCT 123: Impact of gender and ischemic time in anterior STEMIs with left ventricular unloading and delayed reperfusion. A sub study from the STEMI DTU safety and feasibility trial
Presenting Author: Navin K. Kapur
11:47 AM Discussion
11:50 AM TCT 124: Gender Differences in Revascularization and 30 day Readmissions After ST Segment Elevation Myocardial Infarction in the United States: A Nationwide Readmissions Database Analysis
Presenting Author: Diala Steitieh
11:57 AM Discussion
12:00 AM TCT 125: Impact of Insurance on Outcomes and Readmission Rates in Young Adults After Acute Myocardial Infarction
Presenting Author: Viswajitreddy Anugu
12:07 AM Discussion
12:10 AM TCT 126: Does Age Impact Infarct Size and Microvascular Obstruction After PCI in STEMI Individual Patient Data Analysis from 7 Magnetic Resonance Imaging Studies
BIOMARKERS AND OUTCOMES

**TCT 158: Intracoronary CD34 Cell Therapy Further Improves One Year Left Ventricular Systolic Function in Patients with Concomitant Severe Diffuse Coronary Artery Disease and Preserved Cardiac Performance**
*Presenting Author: Pei-Hsun Sung*

**TCT 159: Clinical Significance of Elevated Preprocedural Hemoglobin Level as a Marker of Outcomes After Percutaneous Coronary Intervention**
*Presenting Author: Byung Gyu Kim*

**TCT 160: Impact of White Blood Cell Count on Infarct Size and Clinical Outcomes Following Primary PCI: Patient Level Analysis From 6 Randomized Trials**
*Presenting Author: Bahira Shahim*

**TCT 161: Association between platelet aggregability during primary percutaneous coronary intervention and increased leukocyte in patients with ST elevation myocardial infarction**
*Presenting Author: Shinnosuke Kikuchi*

**TCT 162: Impact of Thrombocytopenia on Subsequent 1 year Major Adverse Cardiovascular Event MACE in Non ST Elevation Acute Coronary Syndrome NSTE ACS**
*Presenting Author: Jonathan Fang*

**TCT 163: The Prothrombotic Transcriptomic Signature of Reticulated Platelets**
*Presenting Author: Dario Bongiovani*

**11:30 am - 12:30 pm**

**CATH LAB OF THE FUTURE - 3**

**Cath Lab of the Future - 3**

**Coronary: Core**

**SATURDAY, SEPTEMBER 28, 2019**
**11:30 am - 12:30 pm**
Moscone South, Lower Level, Exhibit Hall, Moderated Posters 3

**TCT 206: Conservative Versus Aggressive Treatment Strategy with Angiographic Guidance Alone in Patients with Intermediate Coronary Lesions: 3 Year Outcome of The SMART CASE Trial**
*Presenting Author: Kim Jihoon*

**TCT 207: Frontiers in Machine Learning amp ECG: Value of Enriching Data**
*Presenting Author: Sameer Mehta*

**TCT 208: Effectiveness of Multislice Computed Tomography Coronary Angiography Versus Invasive Coronary Angiography in Accurate Calculation of SYNTAX score**
*Presenting Author: Yasser Sadek*

**TCT 209: First Demonstration of Long distance Robotic Telestenting Capabilities Using 5G Wireless Technology: A Pre clinical Study**
*Presenting Author: Ryan D. Madder*

**TCT 210: Machine Learning for Risk Prediction of Future Clinical Events in Patients with Acute Coronary Syndrome undergone percutaneous coronary intervention**
*Presenting Author: Park Jin Sup*

**TCT 211: Static and Dynamic 3D TEE automated aortic root modeling are both accurate and useful to size the aortic annulus in patients undergoing TAVR: comparison to CT**
*Presenting Author: Shawn Reginauld*

**11:30 am - 12:30 pm**

**CORONARY ARTERY SURGERY**

**Coronary Artery Surgery**

**Coronary: Core**

**SATURDAY, SEPTEMBER 28, 2019**
**11:30 am - 12:30 pm**
Moscone South, Lower Level, Exhibit Hall, Moderated Posters 7
11:30 AM - 12:30 PM
Coronary Artery Surgery
Moderators: David H. Adams, Craig R. SmithDiscussants: Michael Argenziano, Marc Gillinov, Joseph F. Sabik

11:30 AM TCT 236: Coronary artery bypass grafting in patients presenting with ST segment elevation myocardial infarction. The optimal timing and impact on outcomes: Insights from the TOTAL trial
Presenting Author: Matthias Bossard

11:37 AM Discussion

11:40 AM TCT 237: Revascularization Options for Females with Coronary Artery Disease: A Meta Analysis of Randomized Controlled Trials
Presenting Author: Tayyab Shah

11:47 AM Discussion

11:50 AM TCT 238: Detailed statistical analysis of intraoperative coronary bypass angiography in 1000 patients after surgical myocardial revascularization.
Presenting Author: Karen V. Petrosyan

11:57 AM Discussion

12:00 PM TCT 239: Impact of Non respect of SYNTAX Score II Recommendations for Surgery in Patients with Complex Coronary Artery Disease Treated by PCI: A pooled analysis of 3280 randomized patients SYNTAX BEST and PRECOMBAT trials
Presenting Author: Patrick W. Serruys

12:07 PM Discussion

12:10 PM TCT 240: Quality of Life between Coronary Artery Bypass Graft Surgery and Percutaneous Coronary Intervention: A Systematic Review and Meta analysis
Presenting Author: najam saqib

12:17 PM Discussion

12:20 PM TCT 241: Inadvertent Aortocoronary Arteriovenous Fistula After Coronary Artery Bypass Surgery: A Systematic Review
Presenting Author: Kai Chen

12:27 PM Discussion

MORTALITY AFTER PCI

11:30 AM - 12:30 PM
Mortality After PCI
Coronary: CHIP

SATURDAY, SEPTEMBER 28, 2019
11:30 AM - 12:30 PM
Moscone South, Lower Level, Exhibit Hall, Moderated Posters 8

11:30 AM TCT 418: Rates and Independent Correlates of 10 Year Major Adverse Events and Mortality in Patients Undergoing Left Main Revascularization
Presenting Author: Tae oh Kim

11:37 AM Discussion

11:40 AM TCT 419: Predictors of Five Year Mortality After PCI: An Individual Patient Data Pooled Analysis of 32882 Patients From 21 Randomized Controlled Trials
Presenting Author: mayank yadav

11:47 AM Discussion

11:50 AM TCT 420: Derivation and External Validation of a Novel Risk Score for Prediction of 30 Day Mortality After Percutaneous Coronary Intervention
Presenting Author: Sorin J. Brener

11:57 AM Discussion

12:00 PM TCT 421: Predicting 2 years all cause mortality after contemporary PCI: revising and updating the logistic clinical SYNTAX score in the GLOBAL LEADERS study
Presenting Author: Ply Chichareon

12:07 PM Discussion

12:10 PM TCT 422: Clinical Outcomes and Predictors of Mortality Among 847 Nonagenarians Undergoing Percutaneous Coronary Intervention: Insights From a Brazilian Nationwide PCI Registry CENIC Registry
Presenting Author: Fábio Augusto Pinton

12:17 PM Discussion

12:20 PM TCT 423: Periprocedural Myocardial Infarction is Associated with Mortality in Stable Angina Pectoris Patients Undergoing Elective Coronary Intervention
Presenting Author: Mohamad Soud

12:27 PM Discussion

TAVR COMORBIDITIES AND COMPLICATIONS - 3

TAVR Comorbidities and Complications - 3
Structural: Valve

SATURDAY, SEPTEMBER 28, 2019
11:30 AM - 12:30 PM
Moscone South, Lower Level, Exhibit Hall, Moderated Posters 1

11:30 AM TCT 703: Outcomes following aortic valve replacement for cardiogenic shock: transcatheter versus surgical approaches
Presenting Author: Samuel Maidman

11:37 AM Discussion

11:40 AM TCT 704: Long Term Bleeding Following Transcatheter Aortic Valve Replacement in Patients with Chronic Kidney Disease is Associated with Increased Mortality
Presenting Author: Gerhard C. SchulerDiscussants: Anand Prasad, Michael Rinaldi

11:30 AM Tavura: Rates and Independent Correlates of 10 Year Major Adverse Events and Mortality in Patients Undergoing Left Main Revascularization
Presenting Author: Tae oh Kim

11:37 AM Discussion

11:40 AM TCT 419: Predictors of Five Year Mortality After PCI: An Individual Patient Data Pooled Analysis of 32882 Patients From 21 Randomized Controlled Trials
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Presenting Author: Fábio Augusto Pinton

12:17 AM Discussion

12:20 AM TCT 423: Periprocedural Myocardial Infarction is Associated with Mortality in Stable Angina Pectoris Patients Undergoing Elective Coronary Intervention
Presenting Author: Mohamad Soud

12:27 AM Discussion
Presenting Author: Shawn Li

11:47 AM Discussion
11:50 AM TCT 705: Thrombocytopenia and Outcomes after Transcatheter Aortic Valve Implantation
Presenting Author: Shinya Ito

11:57 AM Discussion
12:00 AM TCT 706: Can Clinical Predictive Models Identify Patients Who Should Not Receive TAVR
Presenting Author: Benjamin Wessler

12:07 AM Discussion
12:10 AM TCT 707: Effect of Hemodynamic Profile on Mortality in Veteran Patients with Pulmonary Hypertension Undergoing TAVR
Presenting Author: Timothy Pow

12:17 AM Discussion
12:20 AM TCT 708: Outcomes of Transcatheter Aortic Valve Replacement in Oncology Patients with Severe Aortic Stenosis
Presenting Author: Alexandra Murphy

VASCULAR ACCESS AND CLOSURE IN PCI - 4

Presenting Author: Janarthanan Sathananthan

12:07 AM Discussion
12:10 AM TCT 737: Balloon Expandable Versus Self Expanding Transcatheter Aortic Valve Systems: A Bayesian Network Meta analysis
Presenting Author: Mohammed Osama

12:17 AM Discussion
12:20 AM TCT 738: Beating Human Cadaver Heart Biosimulator: A Transitional Evaluation Platform for Catheter based Interventional Cardiac Therapeutic Devices for Structural Heart Disease
Presenting Author: Yanping Cheng

12:27 AM Discussion

Vascular Access and Closure in PCI - 4
Coronary: Core

SATURDAY, SEPTEMBER 28, 2019
11:30 AM - 12:30 PM
Moscone South, Lower Level, Exhibit Hall, Moderated Posters 2

11:30 AM - 12:30 PM
Vascular Access and Closure in PCI - 4
Moderators: Mauro Carlino
Discussants: YunDai Chen, Robert-Jan Van Geuns, Ramzan M. Zakir, David X. Zhao

11:30 AM TCT 795: Trends in the Prevalence and In Hospital Outcomes of Radial Versus Femoral Access in Percutaneous Coronary Intervention: a Report with 158363 Patients From the Brazilian Nationwide PCI Registry CENIC
Presenting Author: Fábio Augusto Pinton

11:37 AM Discussion
11:40 AM TCT 796: Physician Self Directed Transition From Femoral to Radial Access for Primary Percutaneous Coronary Intervention Does Not Adversely Affect Key Time Intensive Metrics: A Community Medical Center Experience
Presenting Author: Stephen Long

11:47 AM Discussion
11:50 AM TCT 797: Clinical Outcome in Femoral Access of High volume Radial Percutaneous Coronary Intervention Center in Patients With ST segment Elevation Myocardial Infarction
Presenting Author: Hyeon Jeong Kim

11:57 AM Discussion
12:00 AM TCT 798: Patent radial artery after transradial coronary intervention via distal radial access at anatomical snuffbox optical coherent tomography study
Presenting Author: Daehwan Bae

12:07 AM Discussion
12:10 AM TCT 799: A Pilot Study of Accelerated Radial Artery Hemostasis Following Percutaneous Transradial Coronary Angiography Intervention Utilizing a Novel Topical Hemostatic Agent in Conjunction With Surface Compression

TAVR VS. SAVR AND TAVR VS. TAVR - 3

TAVR vs. SAVR and TAVR vs. TAVR - 3
Structural: Valve

SATURDAY, SEPTEMBER 28, 2019
11:30 AM - 12:30 PM
The Moscone Center

11:30 AM - 12:30 PM
TAVR vs. SAVR and TAVR vs. TAVR - 3
Discussants: Patrick M. McCarthy, Pieter R. Stella, Marco V. Wainstein

11:30 AM TCT 733: Transcatheter compared to Surgical Aortic Valve replacement in patients with Rheumatic Aortic Valve disease A nationwide analysis
Presenting Author: Syed Zaid

11:37 AM Discussion
11:40 AM TCT 734: Transcatheter compared to Surgical Aortic Valve Replacement in patients with low surgical risk A Meta analysis of all Randomized Controlled Trials
Presenting Author: Syed Zaid

11:47 AM Discussion
11:50 AM TCT 735: Comparative Outcomes of Transcatheter Versus Surgical Aortic Valve Replacement in Patients With Old Infarct
Presenting Author: Ayman Elbadawi

11:57 AM Discussion
12:00 AM TCT 736: Long term durability of transcatheter heart valves: Insights from bench testing to 25 years

12:07 AM Discussion
12:10 AM TCT 738: Beating Human Cadaver Heart Biosimulator: A Transitional Evaluation Platform for Catheter based Interventional Cardiac Therapeutic Devices for Structural Heart Disease
Presenting Author: Yanping Cheng
CHRONIC TOTAL OCCLUSIONS - 4

Presenting Author: Rajeev Anchan

12:17 PM Discussion
12:20 PM TCT 800: Bivalirudin vs Heparin on Radial Artery Thrombosis During Transradial Coronary Intervention: an Optical Coherence Tomography Study
Presenting Author: Zijing Liu

12:27 PM Discussion

12:30 PM - 1:30 PM
Chronic Total Occlusions - 4
Moderators: Sundeep Mishra, Sunao Nakamura
Discussants: Goran K. Olivrecona, Elmir Omerovic, Sudhir Rathore, Masahisa Yamane

12:30 PM TCT 230: Myocardial Ischemia is Present and Mostly Reversible in Patients with a Chronic Total Occlusion and a Viable Perfusion Territory: the DISTAL CTO study
Presenting Author: Mathieu Coeman

12:37 PM Discussion
12:40 PM TCT 231: Prognosis of Percutaneous Coronary Intervention Versus Optimal Medical Therapy in the Treatment of Chronic Total Coronary Occlusion: A Systematic Review and Meta Analysis
Presenting Author: Mohamed Elmassry

12:47 PM Discussion
12:50 PM TCT 232: Incidence and Prognosis of Chronic Total Occlusions in non infarct related artery in Patients with ST segment elevation myocardial infarction
Presenting Author: Tony Main

12:57 PM Discussion
1:00 PM TCT 233: Mortality and In Hospital Outcome of Patients with Chronic Total Occlusion Undergoing Percutaneous Coronary Intervention: Race Based Trend Analysis from Nationwide Inpatient Sample
Presenting Author: Sandipan Chakraborty

1:07 PM Discussion
1:10 PM TCT 234: Three year Clinical Outcome of the PRISON IV Trial: Ultra thin Struts vs Conventional Drug Eluting Stents in Total Coronary Occlusions
Presenting Author: Carlo Zivelonghi

1:17 PM Discussion
1:20 PM TCT 235: Coronary Collateral Regression Following Chronic Total Occlusion CTO Percutaneous Coronary Intervention PCI

1:27 PM Discussion
12:30 PM - 1:30 PM

**TAVR Leaflet Thickening and Thrombosis**

*Moderators: Omar K. Khalique, Karl-Heinz Kuck*

*Discussants: Stamatios Lerakis, G. Burkhard Mackensen, Ganesh Manoharan, Anna Sonia Petronio*

**12:30 PM**

*TCT 715: Anatomical Evaluation of Balloon Expandable Transcatheter Aortic Valve Replacement: Computed Tomography Insights for Hypo Attenuating Leaflet Thickening*

*Presenting Author: Miho Fukui*

**12:37 PM**

*Discussion*

**12:40 PM**

*TCT 716: Transcatheter Heart Valve Under Expansion increases the Likelihood of Leaflet Thrombosis*

*Presenting Author: Farhan Khodaee*

**12:47 PM**

*Discussion*

**12:50 PM**

*TCT 717: Hemodynamic predictors of leaflet thrombosis in low risk patients undergoing TAVR: A Sub Study of the Low Risk TAVR Trial*

*Presenting Author: Jaffar Mohammad Khan*

**12:57 PM**

*Discussion*

**1:00 PM**

*TCT 718: Subclinical Leaflet Thrombosis is Associated With Prosthesis Oversizing in Balloon Expandable Transcatheter Aortic Valve Replacement*

*Presenting Author: Vaughan Tuohy*

**1:07 PM**

*Discussion*

**1:10 PM**

*TCT 719: Antithrombotic Strategies after Transcatheter Aortic Valve Implantation: Insights from a Network Meta Analysis*

*Presenting Author: Toshiki Kuno*

**1:17 PM**

*Discussion*

**1:20 PM**

*TCT 720: Antithrombotic Treatment in Patients Undergoing Transcatheter Aortic Valve Replacement: a Single Center Experience*

*Presenting Author: Fabian Plank*

**1:27 PM**

*Discussion*