2019 PROGRAM AGENDA

Agenda subject to change.
TCT Innovation I: Global Perspectives in MedTech and Emerging Technological Trends

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

8:00 AM Session I: Challenges and Opportunities in MedTech Innovation
Moderators: Stacy Enxing Seng, Mark A. Turco
Discussants: Andrew Cleeland, Laura Mauri, Ian T. Meredith, Julio C. Palmaz, Campbell Rogers, Paul G. Yock

The Evolution of the MedTech Industry
8:00 AM Global Demographic Changes and CV Disease: Implications for Medical Innovation
Lecturer: Valentin Fuster

8:10 AM Is MedTech Development Keeping Up With Medical Ingenuity A Critical Analysis of Current Innovation Models Challenges and Opportunities
Lecturer: Julio C. Palmaz

8:18 AM Moderated Panel Discussion

The Globalization of MedTech Innovation
8:28 AM Reverse Innovation: Create Far Win Everywhere
Lecturer: Peter J.J. Fitzgerald

8:36 AM Health Care Disparity: An Emerging Opportunity for MedTech Innovation
Lecturer: Ian T. Meredith

8:44 AM Moderated Panel Discussion

9:00 AM - 10:03 AM
Emerging Technological Trends I

9:20 AM Session II: Intravascular Imaging and Physiologic Lesion Assessment
Moderators: Niels R. Holm, Bo Xu
Discussants: Daniel S. Berman, Hiram G. Bezerra, Justin E. Davies, Hector M. Garcia-Garcia, James E. Muller, Natalia Pinilla-Echeverri

9:20 AM Keynote Lecture: Invasive Coronary Lesion Assessment Remaining Needs and Opportunities
Lecturer: Justin E. Davies

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 OCTNIRS Diagnostic Catheter SpectraWave
Lecturer: James E. Muller

9:56 AM Moderated Panel Discussion

10:03 AM - 10:46 AM
Session IV: Cath Lab of the Future I — Intelligent Interfaces (AR/VR), Robotics, and Telemanipulation
Moderators: Ran Kornowski, Robert S. Schwartz
Discussants: Philipp Blanke, Louis Aaron Cannon, Chaim S. Lotan, Ryan D. Maddler, Giora Weisz

10:03 AM Keynote Lecture: Emerging Cath Lab Technological Trends That Will Impact the Future of Cardiovascular Medicine
Lecturer: Louis Aaron Cannon

10:11 AM Featured Technological Trends
10:11 AM Fascinating Lecture: Augmented Reality MSCT Guided Puncture in TAVR Procedures Lecturer: Radoslaw Parma

10:18 AM The New Era of Digital Interventions: The Use of Virtual Reality to Decrease Sedation Needs During Interventional Procedures Lecturer: Sudheer Koganti

10:25 AM A Novel Robotic Catheter for Precise and Reproducible Delivery of Transcatheter Devices for Structural Heart Interventions Lecturer: Gagan D. Singh

10:32 AM Moderated Panel Discussion

10:46 AM - 11:23 AM
Session V: Cath Lab of the Future II — Radiation Protection Technologies
Moderators: Eberhard Grube, Chaim S. Lotan
Discussants: Habib Gamra, James A. Goldstein, Lloyd W. Klein, Ryan D. Madder, Jennifer A. Tremmel, Mladen I. Vidovich

10:46 AM Keynote Lecture: Radiation Protection Technologies Reconciling the Safety Mission With Practical Realities Lecturer: Lloyd W. Klein

10:53 AM Featured Technological Trends
10:53 AM Fascinating Lecture: Using Fundamentals of Vision and Novel Eye Tracking Technology to Reduce Radiation Exposure in the Cath Lab Lecturer: Jennifer A. Tremmel

11:00 AM The Newton System: A Simple and Innovative Medical Device That Reduces Musculoskeletal Problems Related to Radiation Protection Garments Lecturer: Jean Michel Paradis

11:06 AM A Novel Complete Radiation Protection System Eliminates Operator Radiation Exposure and Lead Aprons Lecturer: James A. Goldstein

11:12 AM Innovative Robotic Shielding Device for Elimination of Radiation Exposure for Interventional Suite Personnel Lecturer: Amir Belson

11:18 AM Moderated Panel Discussion

11:23 AM - 12:00 AM
Session III: Advanced Cardiac Imaging and Procedural Guidance
Moderators: Niels R. Holm, Paul G. Yock
Discussants: Daniel S. Berman, Hiram G. Bezerra, Mao Chen, Cameron Dowling, Hector M. Garcia-Garcia, Eberhard Grube

11:23 AM Keynote Lecture: Advanced Cardiac Imaging for Procedural Planning and Guidance Making the Complex Look Simple Lecturer: James K. Min

11:32 AM Featured Technological Trends
11:32 AM Fascinating Lecture: First in Human Experience With Patient Specific Computer Simulation of TAVR in Bicuspid Aortic Valve Morphology Lecturer: Cameron Dowling

11:39 AM A Novel Technique to Detect Spontaneously Ruptured Aortic Plaques as a Potential Cause of Embolic Strokes: An Innovative Application of Non Obstructive Angioscopy Nuvera Lecturer: Yoshiharu Higuchi

11:46 AM A Novel and Advanced 4D ICE Catheter: Enabling a New Era in the Guidance of Transcatheter Cardiac Interventions Nuvera Lecturer: Jason H. Rogers

11:53 AM Moderated Panel Discussion
2:40 PM - 3:57 PM
**Session VII: The Structural Heart Revolution I**
Moderators: Torsten P. Vahl, Nicolas M. Van Mieghem
Discussants: Stephen J.D. Brecker, Tsuyoshi Kaneko, Elvin Kedhi, Ruediger S. Lange, Axel Linke, Oscar A. Mendiz

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<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker(s)</th>
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<tr>
<td>2:40 PM</td>
<td>Aortic Valve Intervention and Ancillary Solutions I: Featured Technological Trends</td>
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<td></td>
<td>Innovative Protected Transcatheter Aortic Valve Calcium Debridement System</td>
<td>AorticLab Filippo Scalise</td>
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<td>2:47 PM</td>
<td>Full Arch Cerebral Embolic Protection of the Brain Point Guard During Cardiovascular Procedures</td>
<td>Axel Linke</td>
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<td>2:54 PM</td>
<td>A Novel Left Transradial Cerebral Protection System for TAVR The ProtEmbo System</td>
<td>Tobias Schmidt</td>
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<td>3:01 PM</td>
<td>A New Device to Secure and Optimize Transcatheter Heart Valve Interventions THV and Complex PCI Electrode</td>
<td>Benjamin Faurie</td>
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<td>3:08 PM</td>
<td>Moderated Panel Discussion</td>
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<tr>
<td>3:15 PM</td>
<td>Aortic Valve Intervention and Ancillary Solutions II</td>
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<td>3:15 PM</td>
<td>Single Piece 3D Aortic Valve Leaflet Architecture: A Novel Approach to the Development of Highly Durable TAVR Device</td>
<td>Admedus Kiran Bhirangi</td>
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<td>3:22 PM</td>
<td>Foldax Tria: First in Human Implant of a Totally Synthetic Polymeric Aortic Valve</td>
<td>Steven J. Yakubov</td>
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<td>3:29 PM</td>
<td>Total Embolic Protection: The Emboliner Embolic Protection Catheter Early Clinical Results</td>
<td>Scott Russell</td>
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<td>3:36 PM</td>
<td>A Novel Designed Temporary Disposable PACing Catheter That Can Be Deployed Swiftly to Sense and Pace the Atrium and Ventricles in Dual Chamber Synchrony</td>
<td>Christian Marin y Kall</td>
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<td>3:43 PM</td>
<td>Extracardiac PACing: An Entirely Novel Approach to TAVR Related Arrhythmias and Beyond AtacorCorvita</td>
<td>Martin Burke</td>
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<td>3:50 PM</td>
<td>Moderated Panel Discussion</td>
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<td>3:57 PM</td>
<td>Featured Technological Trends: Mitral Tricuspid and Other SHD Technologies</td>
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<td>3:57 PM</td>
<td>Novel Percutaneous Trans Jugular Transseptal Annuloplasty Cinching System to Treat Mitral and Tricuspid Regurgitation</td>
<td>Jim E. Coleman</td>
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<td>4:04 PM</td>
<td>Saturn TMVR: Novel Design Benefits Implant Procedure and Preclinical Outcomes</td>
<td>Paolo Denti</td>
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<td>4:11 PM</td>
<td>Transcatheter Treatment of Secondary Tricuspid Regurgitation With the Novel MIATM Percutaneous Annuloplasty System</td>
<td>Mathew Williams</td>
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<td>4:18 PM</td>
<td>Mechanism of Action and Early Clinical Results of a Novel Bicaval Valve System</td>
<td>Hans R. Figulla</td>
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<td>4:25 PM</td>
<td>Moderated Panel Discussion</td>
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<td>4:32 PM</td>
<td>Other SHD Technologies</td>
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<td>4:32 PM</td>
<td>Second Generation LAA Occlusion: Single Size and Conforming to a Broad Range of Anatomies Conformal Medical</td>
<td>William A. Gray</td>
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<td>4:39 PM</td>
<td>A Dedicated Paravalvular Leak Occluder Device With Patient Customization Possibility</td>
<td>Wojtek Wojakowski</td>
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<td>4:46 PM</td>
<td>RF Ablation for HOCM Using the New Liwen RF Equipment for Multi Range Intramyocardial Ablation and Biopsy</td>
<td>Liwen Liu</td>
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<td>Moderated Panel Discussion</td>
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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 - 10:04 am
Session I: CTO Crossing — State of the Art
Moderators: Michael R. Jaff, Sahil A. ParikhDiscussants: Subhash Banerjee, Tony Das, Philip Green, Jun Li, Robert A. Lookstein, Peter A. Schneider

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

8:16 am Development of Peripheral CTO Algorithms
Lecturer: Subhash Banerjee

8:26 am Aorto Iliac CTO Crossing: Antegrade Retrograde and Re Entry
Lecturer: Steve Henao

8:36 am Common Femoral CTO: Knives Needles or Both
Lecturer: Bryan T. Fisher

8:46 am EVUS Guidance for CTO Crossing
Lecturer: Mohammad Mehdi Ansari

8:56 am Roundtable Discussion With Audience QA

9:14 am CTO Crossing 1: Case Examples of Wire Escalation
Case Presenter: Ethan C. Korgold

9:24 am CTO Crossing 2: Case Examples of Dedicated Devices
Case Presenter: Mitul Patel

9:34 am CTO Crossing 3: Case Examples of Antegrade Access and Closure
Case Presenter: Craig M. Walker

9:44 am CTO Crossing 4: Case Examples Retrograde Access and Closure
Case Presenter: Tak W. Kwan

9:54 am CTO Crossing 5: Case Examples of Below the Ankle Access and Pedal Loop Reconstruction
Case Presenter: Osamu Iida

10:04 am - 12:04 pm
Session II: Revascularization Strategies in CLI — State of the Art
Moderators: Marianne Brodmann, Tony DasDiscussants: Venita Chandra, Bryan T. Fisher, Yann Gouëffic, Schuyler Jones, Steven Kum, Peter A. Soukas

10:04 am Featured Lecture: CLI Epidemiology and Clinical Burden
Lecturer: Schuyler Jones

10:14 am Roundtable Discussion With Audience QA

10:19 am Surgical Therapy: Indications for Surgery First for CLI
Lecturer: Peter A. Schneider

10:27 am What Is Optimal Medical Therapy for CLI Can We Move the Needle With Drugs Alone
Lecturer: Marc Bonaca

10:35 am Modern Outcomes for Rutherford 6 Patients: How to Avoid Primary Amputation
Lecturer: Peter A. Schneider

10:43 am Clinical Trial Updates: BEST CLI BASIL 2 and BASIL 3
Lecturer: Matthew T. Menard

10:55 am Clinical Trial Updates: Deep Vein Arterialization
Lecturer: Steven Kum

11:03 am Clinical Trial Updates: BTK Tacks Scaffolds and Drugs
Lecturer: Ehrin J. Armstrong

11:11 am CLI Diagnostics and Real Time Guidance: Whats New in 2019
Case Presenter: Matthew T. Menard

11:19 am Roundtable Discussion With Audience QA

11:34 am Complex CLI Case Review 1: My Best Case From the Last Year
Case Presenter: Venita Chandra

11:44 am Complex CLI Case Review 2: My Toughest Case From the Last Year
Case Presenter: Peter A. Soukas

11:54 am Complex CLI Case Review 3: What Is Possible in the OBL
Case Presenter: Eric J. Dippel

12:04 pm - 1:09 pm
Session III: Symposium on Peripheral Drug-Eluting Technologies
Moderators: Juan F. Granada, Sahil A. ParikhDiscussants: Alok Finn, William A. Gray, Krishna J. Roche-Singh, Yoshimitsu Soga, Abraham Rami Tzafriri, Thomas Zeller

12:04 pm An Unforeseen Setback: Summary Level Meta Analysis Brings Practice Back to the 1990s.
Lecturer: Michael R. Jaff

12:19 pm New Data Regarding Drug Eluting Technologies
Lecturer: Krishna J. Roche-Singh

12:29 pm FDA Perspective and Revised Guidance
Lecturer: Eleni Whatley

12:37 pm Industry Perspective on Drug Eluting Technologies Guidance
Lecturer: Mark Pacyna

12:45 pm Roundtable Discussion With Audience QA

1:09 pm - 2:40 pm
Session IV: TCT/VEITH Lower Extremity Session
Moderators: Enrico Ascher, Frank J. VeithDiscussants: Marianne Brodmann, Brian G. DeRubertis, Robert A. Lookstein, Kenneth Ouriel, Peter A. Schneider, Craig M. Walker

1:09 pm Fusion Imaging Techniques for Iliac and Lower Extremity Procedures: Reducing Radiation Exposure and Contrast Material and Providing Better Guidance
Lecturer: Yann Gouëffic

1:15 pm Primary and Secondary Repairs of Popliteal Aneurysms Using Duplex Guidance Alone: Technique and Results
Lecturer: Enrico Ascher

1:21 pm Is the Supera Interwoven Stent Better Than Other Stents and Open Endarterectomy for Common Femoral Lesions
Lecturer: Lawrence A. Garcia

1:27 pm Distal Embolic Protections Are Expensive and Have Inherent Risks: When Are They Absolutely Necessary
Lecturer: Peter A. Schneider

1:33 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
1:39 PM Roundtable Discussion With Audience QA
1:48 PM DCBs for Infragenual Arterial Occlusive Disease With or Without Adjunctive Techniques Are Better Than Primary Stenting
   Lecturer: Brian G. DeRubertis
1:54 PM The 10 Endo Strategies I Use to Succeed in Repairing the Most Complex Lesions in the Lower Extremity Arterial Bed
   Lecturer: Robert A. Lookstein
2:00 PM Updates and Technique of Percutaneous Transvenous Arterial Femoral Popliteal Bypass Procedure
   Lecturer: Steve Henao
2:06 PM Hybrid Venous Arterialization: Patient Selection and Techniques
   Lecturer: Matthew T. Menard
2:12 PM Newest Stem Cell Therapies I Use to Succeed in Repairing the Most Complex Lesions in the Lower Extremity Arterial Bed
   Lecturer: Robert A. Lookstein
2:18 PM Updates and Technique of Percutaneous Transvenous Arterial Femoral Popliteal Bypass Procedure
   Lecturer: Steve Henao
2:30 PM Roundtable Discussion With Audience QA

2:40 PM - 4:50 PM Session V: Calcium, Debulking, and Vessel Preparation
Moderators: Ehrin J. Armstrong, Robert A. Lookstein
Discussants: Mohammad Mehdi Ansari, Robert Earl Beasley, MD, FSIR, FSCAI, George S. Chrysant, Beau Hawkins, Andrew J. Klein, Ramzan M. Zakir

2:40 PM Severe Calcification: Definitions and Outcomes
   Lecturer: Ramzan M. Zakir
2:50 PM This Vessel Is a Rock: Extreme Calcification Case Examples
   Case Presenter: Sahil A. Parikh
3:00 PM Debunking Strategies Above the Knee: Cut Spin Vaporize When and Which Technique
   Lecturer: Ehrin J. Armstrong
3:10 PM Intravascular Lithotripsy for Calcium: When Does It Work With Case Examples
   Case Presenter: Peter A. Soukas
3:18 PM Below Knee Debulking Options: Case Examples of When I Wish I Had and Hadnt Used It
   Case Presenter: Robert Earl Beasley, MD, FSIR, FSCAI
3:26 PM Where Have All the Scaffolds Gone And Will They Come Back
   Lecturer: Sahil A. Parikh
3:34 PM Specialty Balloons in Calcium: Do They Work And if so When
   Lecturer: Mahmood K. Razavi
3:42 PM Roundtable Discussion With Audience QA
3:51 PM Taking the Scenic Route: PQ Bypass for Extreme SFA Lesions
   Lecturer: Ehrin J. Armstrong
3:59 PM Imaging for Calcium: Does It Make a Difference With Case Examples
   Case Presenter: Eric J. Dippel
4:07 PM Optimal BTK POBA: Is There Science to the Art
   Lecturer: Khusrow Niazi
4:15 PM In Stent Restenosis: How Does Atherectomy Figure in These Cases
   Case Presenter: Nicolas W. Shammas
4:23 PM Debate: Atherectomy in Noncalcified Lesions Improves Outcomes
   Lecturer: John Winscott
4:31 PM Debate: Atherectomy in Noncalcified Lesions Does Not Improve Outcomes
   Lecturer: Christopher J. White
4:39 PM Roundtable Discussion With Audience QA

4:50 PM - 6:00 PM Session VI: Toughest Cases of the Year
Moderators: Robert A. Lookstein, Mehdi H. Shishehbor
Discussants: Ehrin J. Armstrong, J. Michael Bacharach, Robert Earl Beasley, MD, FSIR, FSCAI, Osamu Iida, Matthew T. Menard, Rahul S. Patel

4:50 PM My Toughest SFA Case of the Year
   Case Presenter: Subhash Banerjee
5:00 PM My Toughest BTK Case of the Year
   Case Presenter: Thomas Zeller
5:10 PM My Toughest Hybrid Case of the Year
   Case Presenter: Bryan T. Fisher
5:20 PM My Toughest CLI Case of the Year
   Case Presenter: Rahul S. Patel
5:30 PM My Toughest Alternative Access Case of the Year
   Case Presenter: Robert A. Lookstein
5:40 PM My Worst Complication of the Year
   Case Presenter: Peter A. Soukas
5:50 PM The TCTVEITH Alliance Partnership and TCT 2019 Endovascular: Final Thoughts
   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
Nurse \ Technologist

WEDNESDAY, SEPTEMBER 25, 2019
8:00 AM - 3:00 PM
Room 152/154
8:00 am - 11:00 am

RCIS Review Basic and Advanced Topics

8:00 am Session I: RCIS Introductory Session Cardiac Catheterization and PCI: Foundational Knowledge for the Cath Lab
Moderators: Jeff Davis, Tom Maloney
Discussants: Morton J. Kern, Robert Kutys, Michael J. Lim, George W. Vetrovec

8:05 am Nursing Assessment of the Patient
Lecturer: Patricia Keegan

8:10 am Right Heart Catheterization Anatomy and Hemodynamics Matched With Interactive Cadaver Heart Dissection
Lecturer: Jeff Davis Robert Kutys

8:20 am Left Heart Catheterization Anatomy and Angiography Matched With Interactive Cadaver Heart Dissection
Lecturer: Robert Kutys George W. Vetrovec

8:30 am Devices and Imaging for PCI Wires Balloons Stents FFR Imaging
Lecturer: Morton J. Kern

8:45 am PCI Stent Deployment and Dilation Strategies and How I Diagnosed and Treated My Patient
Lecturer: George W. Vetrovec

9:00 am Session II: RCIS Advanced Session Interventional Hemodynamics of the Aortic Valve
Moderators: Jeff Davis, Tom Maloney
Discussants: Hemal Gada, Philippe Genereux, Paul D. Mahoney

9:00 am Case Introduction: Symptoms Suggestive of Aortic Stenosis
Case Presenter: Marianna Garcia

9:05 am Case Introduction: Symptoms Suggestive of Aortic Stenosis
Case Presenter: Marrianna Garcia

9:05 am Fundamental Knowledge: Aortic Valve Anatomy With Interactive Cadaver Heart Dissection
Lecturer: Robert Kutys Dmitry B. Levin

9:20 am Hemodynamics of Aortic Stenosis and Valve Calculations
Lecturer: Jeff Davis

9:35 am Interpretation of Hemodynamic CT and Echo Data for TAVR Clinical Decision Making
Lecturer: Paul D. Mahoney

9:50 am Transcatheter Aortic Valve Replacement and How I Treated My Patient
Lecturer: Paul D. Mahoney

10:00 am Session III: RCIS Advanced Session Interventional Hemodynamics of the Mitral and Tricuspid Valve
Moderators: Jeff Davis, Tom Maloney
Discussants: Philippe Genereux, Martina Kelly Kelly Speight, Brij Maini

10:00 am Case Introduction: Symptoms Suggestive of Mitral Regurgitation
Case Presenter: Brij Maini

10:05 am Fundamental Knowledge: Mitral and Tricuspid Valve Anatomy With Interactive Cadaver Heart Dissection
Lecturer: Robert Kutys Dmitry B. Levin

10:20 am Hemodynamics of Mitral and Tricuspid Regurgitation
Lecturer: Philippe Genereux

10:35 am Interpretation of Hemodynamic and Echo Data for TMVR Clinical Decision Making
Lecturer: Brij Maini

10:50 am Transcatheter Mitral Valve Repair and Replacement and How I Treated my Patient
Lecturer: Brij Maini

11:00 am - 1:15 pm
Comprehensive Interventional Practice: Case-Based Learning

11:00 am Session I: Coronary Hot Topics
Moderators: Amisha Patel, Judy Tingley
Discussants: Darshan Doshi, Khady Fall, Linda Joziasse, Patricia Keegan, Amirali Masoumi

11:05 am How to Get a Cath Room Ready for a Complex PCI
Lecturer: Ashley Koppenheffer

11:15 am How to Decide on Hemodynamic Support Based on the Right Heart Cath Numbers: What Does Syntax Score Mean
Lecturer: Amirali Masoumi

11:20 am How IVUS Impacts Decision Making in PCI
Lecturer: Khady Fall

11:30 am What is DK Crush and How Did We Get the Coronaries Ready for Stenting
Lecturer: Darshan Doshi

11:40 am Post Procedure Assessment of a Complex PCI
Lecturer: Amisha Patel

11:45 am Roundtable Discussion With Audience QA
COAPT Partner 2 and Evolut Low Risk Trial Synopsis and What They Mean Moving Forward  
Lecturer: Elizabeth M. Perpetua

Case Presentation: Complex Structural Heart Intervention With Multiple Valves and Hemodynamic Support  
Case Presenter: Ashley Koppenheffer

Novel Access Routes for Structural Heart Intervention: Transcarotid Transcaval Transaxillary Etc.  
Lecturer: Janet Fredal Wyman

Upcoming Therapies: Accucinch TMVR Tricuspid Clips Vena Cava Valves for Tricuspid Disease  
Lecturer: Russell A. Brandwein

Session III: Peripheral Hot Topics  
Moderators: Danielle Bajakian, Michelle Maiers  
Discussants: Philip Green, Hady Lichaa, Sanjum S. Sethi

An Introduction to Critical Limb Ischemia  
Lecturer: Michelle Maier

What Are My Options to Treat CLI  
Lecturer: Philip Green

Alternative Access for the Treatment of Endovascular Disease Including Radial to Peripheral and Pedal Access  
Lecturer: Hady Lichaa

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

Roundtable Discussion With Audience QA

Session I: Sponsored Lunch and Cath Lab Honorees  
Lecturer: Judy Tingley

Keynote Speech: Heart Valve Therapy 2019  
Lecturer: George D. Dangas

Roundtable Discussion With Audience QA

Your Mother Has AS Open Mic With the Heart Team  
Lecturers: Nisha Jhalani  
Moderators: Ajay J. Kirtane  
Discussants: Wayne B. Batchelor, Russell A. Brandwein, Kendra J. Grubb, Linda Joziasse, Elizabeth M. Perpetua, Tiffany Wong, Janet Fredal Wyman

Hands-On Open Session to Explore supported by Abbott, Abiomed, Boston Scientific Corporation, CathLabs.com, Corindus, Edwards Lifesciences, Medtronic, and Philips  
Chairs: Khady Fall, Ashley Koppenheffer, Judy Tingley  
Co-Chairs: Russell A. Brandwein, Jeff Davis, Marian C. Hawkey, Martina Kelly Kelly Speight, Julie Logan Sands

Join us for the Hands On Open Session to explore supported by Abbott Abiomed Boston Scientific Corporation CathLabs.com Corindus Edwards Lifesciences Medtronic and Philips

Innovations in Imaging in the Cath Lab

Robotics in the Cath Lab  
3:00 PM - 3:30 PM  
Simulated Coronary Case  
3:30 PM - 4:00 PM  
Cerebral Protection Devices  
3:30 PM - 4:00 PM  
Mechanical Support  
3:30 PM - 4:00 PM  
Structural Heart Valves: Past Present and Future  
3:30 PM - 4:00 PM  
Educational Opportunities Throughout the Year  
3:30 PM - 4:00 PM
8:00 AM - 9:15 AM
Session I: Basics of Cardiac Anatomy and Angiography
Moderators: George D. Dangas, John M. Lasala
Discussants: Jose de Ribamar Costa Jr, Hemal Gada, Alexandra J. Lansky, Verghese Mathew, Miodrag C. Ostojic, Ross Prpic

8:00 AM Overview of Cardiac Valvular and Coronary Anatomy
Lecturer: Vijay Kunadian

8:10 AM Roundtable Discussion With Audience QA

8:13 AM Vascular Access Routes Complications and Vascular Rescue
Lecturer: Jose M. Wiley

8:23 AM Case Example: Complication Related to Vascular Access
Case Presenter: Amit Kakkar

8:28 AM Roundtable Discussion With Audience QA

8:31 AM Basics of Coronary Angiography: Setup Views and Equipment
Lecturer: Verghese Mathew

8:41 AM Roundtable Discussion With Audience QA

8:44 AM Intravascular Imaging: Core Concepts of IVUS OCT NIRS and More
Lecturer: Rishi Puri

8:54 AM Roundtable Discussion With Audience QA

8:57 AM Right and Left Heart Failure: Hemodynamic Support Options
Lecturer: John M. Lasala

9:07 AM Case Example: LV Support RV Support or Both
Case Presenter: Riccardo Colantonio

9:12 AM Roundtable Discussion With Audience QA

9:15 AM - 10:30 AM
Session II: Overview of Cardiovascular Disease and Treatment
Moderators: Joseph P. Carrozza Jr, Morton J. Kern
Discussants: David A. Cox, Vasim Farooq, Aloeke Finn, Afzalur Rahman, Elias Sanidas, Rogerio Sarmento-Leite

9:15 AM Arterial and Venous Graft Disease: The Science and Art of Graft Interventions
Lecturer: Gregory Barsness

9:25 AM Roundtable Discussion With Audience QA

9:28 AM Coronary Physiology: FFR iFR and Other Resting Indices
Lecturer: Allen Jeremias

9:38 AM Roundtable Discussion With Audience QA

9:41 AM Acute Coronary Syndromes: Treatment of NSTE ACS and STEMI
Lecturer: Gregory W. Serrao

9:51 AM Case Example: A Complex STEMI
Case Presenter: Bimmer E. Claessen

9:56 AM Roundtable Discussion With Audience QA

9:59 AM Left Main and Bifurcation Interventions

10:09 AM Case Example: A Complex Left Main Bifurcation
Case Presenter: Gennaro Giustino

10:14 AM Roundtable Discussion With Audience QA

10:17 AM Contemporary Antiplatelet Anticoagulation Therapy Post PCI
Lecturer: Sorin J. Brener

10:27 AM Roundtable Discussion With Audience QA

10:30 AM - 12:00 PM
Session III: Introduction to PCI and Valve Disease Interventions
Moderators: Gennaro Sardella, Jose M. Wiley
Discussants: Larry S. Dean, Andrew Michael Goldsweig, Elvin Kedhi, Anthony L. Pucillo, Hadley Wilson

10:30 AM Drug Eluting Stent Platforms and Outcomes 2019
Lecturer: Roberto Diletti

10:40 AM Case Example: Complex DES With Long Term Outcomes
Case Presenter: Anita Paggi

10:45 AM Roundtable Discussion With Audience QA

10:48 AM Drug Eluting Stent Thrombosis and Restenosis: Mechanisms Frequency and Treatment
Lecturer: Binita Shah

10:58 AM Case Example: Contemporary DES Thrombosis
Case Presenter: Amir Darki

11:03 AM Roundtable Discussion With Audience QA

11:06 AM Lesion Preparation Modification Devices
Lecturer: Robert T. Pyo

11:16 AM Case Example: When Lesion Preparation is Suboptimal
Case Presenter: Massimo Mancone

11:21 AM Roundtable Discussion With Audience QA

11:24 AM TAVR: Indications and New Applications
Lecturer: Larry S. Dean

11:34 AM Case Example: TAVR for Bicuspid Aortic Stenosis
Case Presenter: Pedro A. Villalobos

11:39 AM Roundtable Discussion With Audience QA

11:42 AM Percutaneous Mitral Valve Repair and Replacement
Lecturer: Pranav Loyaika

11:52 AM Case Example: A Not So Straightforward MitraClip
Case Presenter: Mackram F. Eleid

11:57 AM Roundtable Discussion With Audience QA

THE BEST OF INTERVENTION FROM EUROPE:
COMPLEX CORONARY AND STRUCTURAL HEART INTERVENTIONS

The Best of Intervention From Europe: Complex Coronary and Structural Heart Interventions
Coronary: CHIP
Coronary: Core
Structural: Non-Valve
Structural: Valve
Vascular

TRANSCATHETER VALVE THERAPY | WEDNESDAY, SEPTEMBER 25, 2019
Last Updated 09/26/2019  Page: 11
8:30 AM - 9:10 AM
**Session I: Advanced Coronary Interventions**
Moderators: Jeroen J. Bax, Stephan Windecker
Discussants: Adrian P. Banning, Antonio Colombo, Anthony H. Gershlick, Yoshinobu Onuma, Marco Valgimigli

- **8:30 AM** Will CTA Replace Invasive Coronary Angiography
  Lecturer: Yoshinobu Onuma

- **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, Thomas Pilgrim, Corrado Tamburino, Ralph Stephan von Bardeleben

- **9:10 AM** Has TAVR Become the Default Therapy in Patients With Severe Aortic Stenosis
  Lecturer: Stephan Windecker

- **9:17 AM** TAVR in Bicuspid Aortic Valves
  Lecturer: Lars Sondergaard

- **9:24 AM** TAVR in Pure Aortic Regurgitation
  Lecturer: Thomas Pilgrim

- **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, Ralph Stephan von Bardeleben

- **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: Ralph Stephan von Bardeleben

10:18 AM
Roundtable Discussion With Audience QA
How Does Intravascular Imaging Derived FFR Work and When Should It Be Used
Lecturer: Fumiyasu Seike

Roundtable Discussion With Audience QA

Comparison Between QFR and FFCT With Case Examples
Lecturer: Hiroki Emori

Roundtable Discussion With Audience QA

9:50 am - 10:30 am
Session III: Endovascular & Structural Heart Interventions
Moderators: Masato Nakamura, Shigeru Saito
Discussants: Ehrin J. Armstrong, Masahiko Fujihara, Daizo Kawasaki, Mehdi H. Shishehbor, Yoshimitsu Soga, Vinod H. Thourani

9:50 am Can Baseline IVUS Predict Dissection Patterns of Femoropopliteal Lesions
Lecturer: Daizo Kawasaki

Roundtable Discussion With Audience QA

9:57 am Stress Hormones Are Related to Perioperative Outcomes After CLI Surgical Endovascular Revascularization: The SPINACH Registry
Lecturer: Yoshimitsu Soga

Roundtable Discussion With Audience QA

10:07 am Roundtable Discussion With Audience QA

10:10 am Transcatheter Aortic Valve Replacement in Complex Anatomy
Lecturer: Futoshi Yamanaka

Roundtable Discussion With Audience QA

10:20 am Structural Interventions for Challenging Complex Anatomy of Japanese Patients
Lecturer: Masanori Yamamoto

Roundtable Discussion With Audience QA

10:27 am Roundtable Discussion With Audience QA

10:45 am TAVR in China: First Report of a Post Approval National Registry
Lecturer: Runlin Gao

10:55 am Roundtable Discussion With Audience QA

10:59 am Emerging Transcatheter Valve Therapies: Mitral and Pulmonary Valves
Lecturer: Junbo Ge

11:09 am Roundtable Discussion With Audience QA

11:13 am Percutaneous Intramyocardial Septal Radiofrequency Ablation for Hypertrophic Obstructive Cardiomyopathy
Lecturer: Liwen Liu

Roundtable Discussion With Audience QA

11:25 am Case Based Learning: Hangzhou TAVR Experience
Case Presenter: Jun Jiang

11:32 am Roundtable Discussion With Audience QA

11:35 am Case Based Learning: Chengdu TAVR Experience
Case Presenter: Mao Chen

11:42 am Roundtable Discussion With Audience QA

11:45 am Session II: Clinical Research and Practice in Percutaneous Coronary Intervention
Moderators: Gregg W. Stone, Yuejin Yang
Discussants: Antonio Colombo, Lei Ge, Ajay J. Kirtane, Jian Liu, Shengxian Tu, Junjie Zhang

11:45 am Definition of Contemporary Bifurcation Treatment: Current Evidence and Future Trials
Lecturer: Shao Liang Chen

11:55 am Roundtable Discussion With Audience QA

11:59 am CTO PCI Algorithm of China: Similarities and Differences with Japan Europe and US
Lecturer: Lei Ge

Roundtable Discussion With Audience QA

12:09 pm Angiography Based Physiological Lesion Assessment: QFR System and the FAVOR Trials
Lecturer: Bo Xu

12:13 pm Roundtable Discussion With Audience QA

12:21 pm Roundtable Discussion With Audience QA

THE BEST OF INTERVENTION FROM CHINA

The Best of Intervention From China
Coronary: CHIP
Coronary: Core
Structural: Non-Valve
Vascular: Structural: Valve

WEDNESDAY, SEPTEMBER 25, 2019
10:45 am - 12:45 pm
Room 201-202

10:45 am - 12:45 pm
The Best of Intervention From China

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
THE BEST OF INTERVENTION FROM LATIN AMERICA

The Best of Intervention From Latin America
Coronary: Core
Coronary: CHIP
Structural: Non-Valve
Structural: Valve
Vascular

WEDNESDAY, SEPTEMBER 25, 2019
10:45 AM - 12:45 PM
Room 205-206

10:45 AM - 11:45 AM
Session I: Structural Interventions
Moderators: Alexandre Abizaid, Oscar A. Mendiz
Discussants: Jorge Cortes Lawrenz, Antonio Enrique Dager, Anibal A. Damonte, Diego D. Grinfeld, Armando Mangioni, Juan Terre

10:45 AM
All You Need to Know About TAVR: Patient Selection and Sizing Algorithms
Lecturer: Jonathan A. Leipsic

10:52 AM
Roundtable Discussion With Audience QA

10:57 AM
TAVR Potpourri: Special and Bail Out Situations
Lecturer: Oscar A. Mendiz

11:04 AM
Roundtable Discussion With Audience QA

11:09 AM
Interventional Pathobiology: Anatomical Landmarks for Interventional Procedures
Lecturer: Juan F. Granada

11:16 AM
Roundtable Discussion With Audience QA

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 QA

11:33 AM
An Incredible MitraClip Case
Case Presenter: Pedro J. Colon

11:39 AM
Roundtable Discussion With Audience QA

11:45 AM - 12:45 PM
Session II: Coronary Interventions
Moderators: Jose L. Leiva-Pons, Armando Mangioni
Discussants: ALEJANDRO Chauvet ALCOCER, Pablo D. Charry-Amaya, Jorge Cortes Lawrenz, Guering Eid-Lidt, Oscar A. Mendiz, Juan Terre

11:45 AM
Case Based Learning: A High Bleeding Risk Patient with Complex Coronary Anatomy
Case Presenter: Zening Jin

11:52 AM
Roundtable Discussion With Audience QA

11:57 AM
Challenging Case: My Worst Complex Case Nightmare.
Case Presenter: Carlos E. Uribe

12:03 PM
Roundtable Discussion With Audience QA

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

12:16 PM
Roundtable Discussion With Audience QA

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 QA

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 QA

THE BEST OF INTERVENTION FROM TCT RUSSIA: AT THE CROSSROADS OF ADULT STRUCTURAL AND CONGENITAL INTERVENTIONS

The Best of Intervention From TCT Russia: At the Crossroads of Adult Structural and Congenital Interventions
Structural: Valve
Structural: Non-Valve

WEDNESDAY, SEPTEMBER 25, 2019
1:00 PM - 3:00 PM
Room 205-206

1:00 PM - 3:00 PM
TCT Russia: At the Crossroads of Adult Structural and Congenital Interventions
Moderators: Bagrat Alekyan, Robert J. Sommer
Discussants: Sergey A. Abugov, Alexey N. Fedorchenko, Mayra Guerrero, Zaza Kavteladze, Michael J. Mack, Wojtek Wojakowski

1:00 PM
Introduction
Lecturer: Bagrat Alekyan

1:05 PM
PFO Closure in Adults: Clinical Trial Update Indications and Emerging Devices
Lecturer: Robert J. Sommer

1:13 PM
Learn the Technique Case Based: PFO Closure in an Adult Patient
Case Presenter: Evgeny V. Merkulov

1:20 PM
Roundtable Discussion With Audience QA
THE BEST OF INTERVENTION FROM THE ASIA-PACIFIC AND INDIA

The Best of Intervention From the Asia-Pacific and India
Coronary: CHIPCoronary: CoreStructural: Non-ValveStructural: ValveVascular

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

1:00 AM - 2:00 AM
Session I: Coronary and Peripheral Interventions

1:00 AM Case 1 From Bangladesh: To Be or Not to Be A Retrograde CTO Case
Case Presenter: Kaisar Nasrulh Khan
1:07 AM Roundtable Discussion With Audience QA

1:12 AM Case 2 From India: Role of Intervention in Takayasu Arteritis
Case Presenter: Manotosh Panja
1:19 AM Roundtable Discussion With Audience QA
1:24 AM Case 3 From Indonesia: Coronary Obstruction Caused by an UnDeflated Balloon After Shaft Fracture
Case Presenter: Linda Lison
1:31 AM Roundtable Discussion With Audience QA
1:36 AM Case 4 From S. Korea: Upfront 3 Stent for Left Main Trifurcation Disease
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 AM
Session II: Structural, Valvular, and Heart Failure Interventions
Moderators: Rabin dra Nath Chakraborty, Wei-Hsian YinDiscussants: Jun-Jack Cheng, Sampath Kumar, chiung jen wu

2:00 AM Case 6 From Singapore: Transcatheter Tricuspid Valve in Valve Treatment
Case Presenter: Edgar L. Tay
2:07 AM Roundtable Discussion With Audience QA
2:12 AM Case 7 From Taiwan: Vascular Plugging of a Severe Paravalvular Leak
Case Presenter: Kuan-Chih Huang
2:19 AM Roundtable Discussion With Audience QA
2:24 AM Case 8 From India: Expanding Indications of TAVR in India
Case Presenter: RAMA KRISHNA JANAPATI
2:31 AM Roundtable Discussion With Audience QA
2:36 AM Case 9 From Indonesia: A High Risk Redo Surgery Patient With Severe MR After Ring Annuloplasty and CABG
Case Presenter: Teguh Santoso
2:43 AM Roundtable Discussion With Audience QA
2:48 AM Case 10 From Taiwan: A Challenging LAA Closure
Case Presenter: Ying-Hsiang Lee
2:55 AM Roundtable Discussion With Audience QA

THE BEST OF INTERVENTION FROM THE MIDDLE EAST AND AFRICA

The Best of Intervention From the Middle East and Africa
Coronary: CoreStructural: Valve

WEDNESDAY, SEPTEMBER 25, 2019
3:15 AM - 5:15 AM
Room 205-206
TRANSCATHETER VALVE THERAPY | WEDNESDAY, SEPTEMBER 25, 2019

Session I: A Complex Coronary Case (CHIP)
Moderators: Ran Kornowski, Mohamed Ahmed Sobhy
Discussants: Magdy Abdelhamid, Hadi Abu-Hantash, Khalid A. Al Faraidy, Adel M kamal El Etriby, Sajidah Khan

3:15 PM - 3:55 PM
A Patient With Complex Coronary Artery Disease

Case Introduction
Case Presenter: Nireen Okasha

How I Would Treat This Case
Lecturer: Sajidah Khan

How I Would Treat This Case
Lecturer: Kais BATTIKH

Case Resolution: How Did I Treat This Patient
Case Presenter: Nireen Okasha

Roundtable Discussion With Audience QA

Take Home Messages
Lecturer: Mohamed Ahmed Sobhy

Session II: STEMI, MVD, and Cardiogenic Shock
Moderators: Waqar H. Ahmed, Mohamed Ahmed Sobhy
Discussants: Khaled F. Al-Shaibi, Kais BATTIKH, Katia Orvin, Abdullah Shehab, Khalid Omar Tammam

3:55 PM - 4:35 PM
A Patient With STEMI MVD and Cardiogenic Shock

Case Introduction
Case Presenter: Chaim S. Lotan

How I Would Treat This Case
Lecturer: Khaled F. Al Shaibi

How I Would Treat This Case
Lecturer: Mohamed Abed Bouraghda

Case Resolution: How Did I Treat This Patient
Case Presenter: Chaim S. Lotan

Roundtable Discussion With Audience QA

Take Home Messages
Lecturer: Waqar H. Ahmed

Session III: TAVR in an Intermediate Risk Patient
Moderators: Habib Gamra, E. Murat Tuzcu
Discussants: Mohammad Al-Mutairi, Mohammed Balghith, Mohamed Abed Bouraghda, Hazem Khamis, Abdullah Shehab

4:35 PM - 5:15 PM
An Intermediate Risk Patient With Severe Aortic Stenosis

Case Introduction
Case Presenter: Ahmad Edris

How I Would Treat This Case
Lecturer: Mohammed Balghith

How I Would Treat This Case
Lecturer: Mohammad Al Mutairi

Case Resolution: How Did I Treat This Patient
Case Presenter: Ahmad Edris

Roundtable Discussion With Audience QA

Take Home Messages
Lecturer: E. Murat Tuzcu

STRUCTURAL: Valve

7:00 PM - 9:30 PM
Women in Structural Heart Disease

Faculty: Christine Jee - Young Chung, Stephanie El-Hajj, Nadira Hamid, Katherine B. Harrington, Nisha Jhalani, Alexandra J. Lansky, Sandra Lauck, JoAnn Lindenfeld, Maureen McKiernan, Roxana Mehran, Amisha Patel, Elizabeth M. Perpetua, Jacqueline Saw, Anupama Shivaraju, Lissa Sugeng, Molly Szerlip, Dee Dee Wang, Tiffany Wong, Melana Yuzefpolskaya
Chairs: Anita Asgar, Kendra J. Grubb, Mayra Guerrero, Rebecca T. Hahn, Vivian G. Ng

6:30 PM - 6:30 PM
Introduction and Welcome to the Inaugural Session
Lecturer: Martin B. Leon

6:35 PM - 6:50 PM
Featured Lecture: The Rapid Growth of Structural Heart Disease and the Multidisciplinary Heart Team
Keynote Speaker: Rebecca T. Hahn

6:50 PM - 8:05 PM
Case Based Heart Team Presentations
Moderator: Martin & Leon

Women in Structural Heart Disease (WISH): Breaking the Glass Ceiling — An Evening of Complex Cases (Sponsored by CRF; Supported by Abbott, Boston Scientific Corporation, Edwards Lifesciences, and Medtronic)
COLLABORATORS IN TAVR: A MEDTRONIC COURSE IN COLLABORATION WITH CRF FOR NEW-TO-TAVR HEART TEAMS

Tour: 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 and Continental Breakfast

8:00 AM - 8:40 AM
Your Partners in TAVR: An Extension of the Heart Team
Chair: Martin B. Leon, Jeffrey J. Popma

8:00 AM - 8:10 AM
Keynote Speaker: The Aortic Stenosis AS Journey
Lecturer: Robert O. Bonow

8:20 AM - 9:00 AM
The TAVR Journey: Where Were You When
Moderators: A. Pieter Kappetein; Discussants: Martin B. Leon, Michael J. Mack, Jeffrey J. Popma, Michael J. Reardon

8:40 AM - 10:35 AM
The Foundation of TAVR
11:40 AM  In Hospital Management Strategies: An Introduction to Minimalism  
Lecturer: Guilherme Attizzani

11:50 AM  Follow Up Care: 30 Day 1 Year and Referral Communication  
Lecturer: Martina Kelly Kelly Speight

12:00 PM  The First 50: Case Selection Considerations  
Lecturer: Srinivas Iyengar

12:15 PM - 1:00 PM  Lunch

1:00 PM - 3:00 PM  Maintaining and Accelerating Your Program: Part 1 — Logistics  
Moderators: Jeffrey J. Popma  
Discussants: Sarah E. Clarke, Hemal Gada, Srinivas Iyengar, Michaela Mueller, Carrie Redick, Lucy Schlueter

1:00 PM  The Financial Implications of a TAVR Program: A Primer on Healthcare Economics and Reimbursement  
Lecturer: Hemal Gada

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

1:30 PM  Patient Access Strategies  
1:30 PM  Market Analysis  
Lecturer: Lucy Schlueter

1:38 PM  Identifying Referral Sources Outreach Programs  
Lecturer: Srinivas Iyengar

1:48 PM  Echo Alert  
Lecturer: Hemal Gada

1:58 PM  MarketingMedia Opportunities  
Lecturer: Michaela Mueller

2:05 PM  Creating Efficiencies in the Clinical Care Pathway  
Lecturer: Sarah E. Clarke

2:15 PM  Lessons Learned: A Roundtable Discussion Perspectives From the Full Extended Heart Teams of Successful Experienced Programs  
Discussant: Timothy John Byrne, Michael Caskey, Paul D. Mahoney, Tammy Querrey, Carrie Redick

2:30 PM  Break

2:45 PM  The Future of TAVR  
Lecturer: Nina Goodheart

2:55 PM  QA With Panel

3:00 PM - 5:00 PM  Maintaining and Accelerating Your Program: Part 2 — Acquiring Advanced Skills  
Moderators: A. Pieter Kappetein, Paul D. Mahoney  
Discussants: Guilherme Attizzani, Srinivas Iyengar, Hasan Jilaihawi, Muhammed Saric, Steven J. Yakubov

3:00 PM  Acquiring Advanced  
3:00 PM  Echo Interpretation Skills  
Lecturer: Muhammed Saric

3:15 PM  CT Interpretation Skills  
Lecturer: Hasan Jilaihawi

3:30 PM  Technical Operator Skills  
Lecturer: Homam Ibrahim

3:45 PM  Sedation: MACNurse Administered  
Lecturer: Guilherme Attizzani

4:00 PM  Complication Management  
Lecturer: Paul D. Mahoney Jeffrey J. Popma

4:20 PM  Evaluation for Conduction Disorders  
Lecturer: Steven J. Yakubov

4:30 PM  Working Group Sessions: TAVR Team Planning With Faculty Guidance  
Discussant: Guilherme Attizzani, Srinivas Iyengar, Hasan Jilaihawi, Paul D. Mahoney, Jeffrey J. Popma, Muhammed Saric, Steven J. Yakubov

4:40 PM  TAVR Team Planning Sharing  
Discussant: Guilherme Attizzani, Srinivas Iyengar, Hasan Jilaihawi, Paul D. Mahoney, Jeffrey J. Popma, Muhammed Saric, Steven J. Yakubov

4:50 PM  QA: Next Steps  
Lecturer: Martin B. Leon, Jeffrey J. Popma

5:00 PM - 5:00 PM  Adjourn

TAVR FOUNDATIONS FOR FELLOWS  
(SPONSORED BY EDWARDS LIFESCIENCES)

WEDNESDAY, SEPTEMBER 25, 2019
8:00 AM - 5:00 PM
Room 301

8:00 AM - 5:00 PM  TAVR Foundations for Fellows  
Faculty: John K. Forrest, Ryan K. Kaple, Omar K. Khalique, Amar Krishnaswamy, James M. McCabe, Andrew Morse, Rahul Prakash Sharma, Torsten P. Vahl  
Chairs: Tamim M. Nazif

8:00 AM  Welcome and Introduction

8:15 AM  TAVR Evolution and PARTNER Data Overview  
Presenter: Susheel Kodali

9:00 AM  Echocardiography for TAVR  
Presenter: Omar K. Khalique

9:30 AM  CT Imaging for TAVR  
Presenter: Torsten P. Vahl

10:00 AM  Break

10:15 AM  Transfemoral Procedure: Device Overview and Case Review
TRANSLATIONAL PATHWAYS FOR CARDIOVASCULAR DEVICES (SPONSORED BY ISCTR)

**Translational Pathways for Cardiovascular Devices (Sponsored by ISCTR)**

**WEDNESDAY, SEPTEMBER 25, 2019**

8:00 am - 5:00 pm

Room 151/153

8:00 am - 5:00 pm

**Translational Pathways for Cardiovascular Devices**

8:00 am

**Introduction**

Presenter: Anthony DeMaria

8:00 am

**Welcome Statement**

Presenter: Anthony DeMaria

8:05 am

**ISCTR Mission and Statement of Meeting Purpose**

Presenter: Nabil Dib

8:15 am

**Presentation of the ISCTR Nelson Award**

Presenter: David R. Holmes Jr., Diana Nelson

8:20 am

**Keynote Address**

8:20 am

**Education and Implementation of the Translational Pathways Document**

Presenter: Spencer B. King III

8:35 am

**Choosing an Innovative Concept**

Presenter: Todd J. Brinton

8:42 am

**Intellectual Property**

Presenter: James Inskeep

8:49 am

**Business Planning Development and Fundraising**

Presenter: Stanton J. Rowe

8:56 am

**Conflict of Interest and Product Development**

Presenter: Anthony DeMaria

9:03 am

**Adoption of Technology**

Presenter: Ian T. Meredith

9:10 am

**Session I Panel Discussion**

Discussant: Todd J. Brinton, Tonya Dowd, Andrew Farb, Peter J. Fitzgerald, James Inskeep, Ian T. Meredith, David Reuter, MD, Gary S. Roubin, Stanton J. Rowe, Jianhua Sun

9:30 am

**Break**

9:45 am

**Session II: Device Development Focus on Diagnostic Devices**

Moderator: Mitchell W. Krucoff, Bram D. Zuckerman

9:45 am

**Advanced Cardiac Anatomy: Application in Translational Research Tailored to Current and Future Technology**

Presenter: Renu Virmani

10:00 am

**Advanced Cardiac Imaging: Application in Translational Research Tailored to Current and Future Technology**

Presenter: Jeroen J. Bax

10:15 am

**Statistics for Evaluation of Cardiovascular Diagnostic Devices**

Presenter: Chris Mullin

10:30 am

**Regulatory Review of Cardiovascular Diagnostic Devices: FDA Perspective**

Presenter: Marco Cannella

10:45 am

**Regulatory Review of Cardiovascular Devices: European Regulatory Perspective**

Presenter: Robert A. Byrne

11:00 am

**Guideline Requirement for Diagnostic Devices**

Presenter: Roxana Mehran

11:15 am

**Reimbursement for Diagnostic Devices**

Presenter: Lori M. Ashby

11:30 am

**Session II Panel Discussion**

Discussant: Lori M. Ashby, Jeroen J. Bax, Robert A. Byrne, Marco Cannella, Seth Clancy, Anthony DeMaria, Avi Fischer, Louis B. Jacques, Roxana Mehran, Chris Mullin, Robert Roberts, Renu Virmani

11:50 am

**Lunch**

12:15 pm

**Session III: Advances in the Assessment of High Risk Coronary Lesions**

Moderator: Robert O. Bonow, Campbell Rogers

12:15 pm

**Unmet Clinical Needs Value Adds and Future Directions in Lesion Assessment**

8:35 am

**Session I: Device Development Essential Concepts**

Moderator: Anthony DeMaria, David R. Holmes Jr.
Overview Interventional Devices for Heart Failure

AMI AND VULNERABLE PLAQUE AND PATIENT STUDIES
12:30 PM - 1:30 PM  
**Session I: AMI Diagnosis and Treatments**  
Moderators: Rajesh M. Dave, Vladimir Dzavik  
Discussants: David A. Cox, Jorge Gaspar, Graham Nichol, Eugenia Nikolsky, Thomas D. Stuckey, Glenn Van Langenhove  

- **12:30 PM**  
  TCT 9: Quantitative Assessment of Lipid Composition by NIRS IVUS Is Helpful for Differentiating among Plaque Rupture Plaque Erosion and Calcified Nodule in the Culprit Lesion of ACS  
  *Presenting Author: Kosei Terada*  
  **Discussion**  
  **12:40 PM**  
  TCT 10: Time and Mortality in ST Elevation Myocardial Infarction: Insights From the TOTAL Trial  
  *Presenting Author: Rachel Moxham*  
  **Discussion**  
  **12:55 PM**  
  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*  
  **Discussion**  
  **1:10 PM**  
  TCT 12: Results from the CAMI1 Study: Selective CRP apheresis as a new treatment option in acute myocardial infarction  
  *Presenting Author: Christoph Dietrich Garlicks*  
  **Discussion**  

1:30 PM - 2:30 PM  
**Session II: Vulnerable Plaque and Patient Studies**  
Moderators: Amir Lerman, Peter H. Stone  
Discussants: Brian K. Courtney, Ranil De Silva, Christoph Dietrich Garlicks, Elvin Kedhi, Pedro R. Moreno, Yasunori Ueda  

- **1:30 PM**  
  TCT 13: Alirocumab improve coronary plaque vulnerability: first randomized control trial to assess the effect of alirocumab for plaque vulnerability using optical coherence tomography.  
  *Presenting Author: Yoichiro Sugizaki*  
  **Discussion**  
  **1:40 PM**  
  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*  
  **Discussion**  
  **1:55 PM**  
  TCT 15: Prognostic Impact of Healed Coronary Plaque in Non culprit Segments Assessed by Optical Coherence Tomography  

**COMPLICATIONS OF TAVR AND OTHER LARGE DEVICES**  

**WEDNESDAY, SEPTEMBER 25, 2019**  
12:30 PM - 2:30 PM  
Room 209-210  

12:30 PM - 1:30 PM  
**Session I: Coronary Obstruction**  
Moderators: Neal S. Kleiman, Stephen G. G. Worthley  
Discussants: Brunilda Alushi, Santiago Garcia, Katia Orvin, Rishi Puri, Henrique B. Ribeiro, David G. Rizik  

- **12:30 PM**  
  TCT 17: Coronary Obstruction Risk Assessment: A Comparison of Snorkel Stenting and BASILICA  
  *Presenting Author: John Lisko*  
  **Discussion**  
  **12:40 PM**  
  TCT 18: Impact of Initial Evolut TAVR Deployment Orientation on Final Valve Orientation and Coronary Reaccess: A Pilot Study  
  *Presenting Author: Gilbert H.L. Tang*  
  **Discussion**  
  **12:55 PM**  
  TCT 19: Outcome of Coronary Ostial Stenting to Prevent Coronary Obstruction During TAVR: an International Multicenter Registry  
  *Presenting Author: Antonio Mangieri*  
  **Discussion**  
  **1:10 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*  
  **Discussion**  

1:30 PM - 2:30 PM  
**Session II: Stroke**  
Moderators: Karel T. Koch, Ulf Landmesser  
Discussants: Mark C. Bates, Asim Cheema, Alejandro Cherro, Nabil Farag, Saib Khogali, S. Chiu Wong
TRANSCATHETER VALVE THERAPY | WEDNESDAY, SEPTEMBER 25, 2019

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: Nicolas M. Van Mieghem

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

DES AND BIORESORBABLE SCAFFOLDS

DES and Bioresorbable Scaffolds
Coronary: CHIP

WEDNESDAY, SEPTEMBER 25, 2019
12:30 PM - 2:30 PM
Room 213

12:30 PM - 1:30 PM
Session I: DES — New Studies, New Insights
Moderators: Nickolas Nodar Kipshidze, Vincent On-Hing Kwok
Discussants: Salvatore Cassese, Mohamed Ali Elsalamony, Anton Farkas, David F. Kong

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: Azfar G. Zaman

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: Abdelhakim Allali

1:25 PM Discussion

1:30 PM TCT 43: A Prospective Randomized Multicenter Study to Assess the Safety and Effectiveness of the Osirio 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: Bernhard Witzenbichler

1:40 PM Discussion

1:45 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: Michael Haude, John A. Ormiston
Discussants: Vasim Farooq, Stephen P. Hoole, Sundeep Mishra, Alexander Nikanorov, Jean-François Tanguay

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

Presenting Author: Alexandre Abizaid

1:55 PM Discussion

2:00 PM TCT 47: Five Year Clinical Outcomes From Randomized Comparison of Everolimus Eluting Bioresorbable Vascular Scaffolds Versus Everolimus Eluting Metallic Stents in Patients With Coronary Artery Disease From ABSORB China Trial
Presenting Author: Runlin Gao

2:10 PM Discussion

2:15 PM TCT 48: Bioresorbable Scaffold Versus Metallic Drug Eluting Stent in Patients at High Risk of Restenosis: COMPARE ABSORB trial: Very late device thrombosis while on extended DAPT
Presenting Author: Robert-Jan Van Geuns

2:25 PM Discussion

ENDOVASCULAR INTERVENTIONS

Endovascular Interventions
Vascular

WEDNESDAY, SEPTEMBER 25, 2019
12:30 PM - 2:30 PM
Room 203
12:30 PM - 1:30 PM
Session I: Chronic limb ischemia
Moderators: J. Stephen Jenkins, Mahmood K. Razavi
Discussants: Stanislaw Bartus, Jose A. Condado, Alejandro Goldsmit, Karthik R. Gujja, Makoto Utsunomiya

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 the Knee Disease and Correlation to 12 Month Clinical Results
Presenting Author: Ehrin J. Armstrong

1:30 PM - 2:30 PM
Session II: Endovascular Potpourri
Moderators: Jacques Busquet, Venita Chandra
Discussants: Roger Gammon, Roberto Gandini, Mark J. Goodwin, Shingo Kaneko, Sanjiv Lakhanpal

1:30 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

1:55 PM Discussion
2:00 PM TCT 63: Jetstream Atherectomy for the Treatment of In stent Restenosis of the Femoropopliteal Artery: Preliminary Results of the JET ISR Study
Presenting Author: Nicolas W. Shammas

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
PCI IN PATIENTS WITH HEAVILY CALCIFIED LESIONS AND CHRONIC KIDNEY DISEASE

Session I: PCI of Heavily Calcified Lesions
Moderators: Maurice Buchbinder, Michael J. Cowley
Discussants: Tayo A. Addo, Ramesh Adiraju, Ahmed Elghamaz, Jack Hall, Stefan Harb, Jun Jiang

12:30 AM 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 BMC2
Presenting Author: Devika Aggarwal

12:40 AM Discussion

12:45 AM 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 AM Discussion

1:00 AM TCT 28: Comparative Study of Resource Utilisation Costs and Procedural Times of Percutaneous Coronary Intervention with Rotational Atherectomy vs Intravascular Lithotripsy
Presenting Author: Shafeer Rashid

1:10 AM Discussion

1:15 AM TCT 27: Safety and Effectiveness of Coronary Intravascular Lithotripsy for Treatment of Severely Calcified Coronary Stenoses: The Disrupt CAD II study
Presenting Author: Ziad A. Ali

1:25 AM Discussion

1:30 AM - 2:30 AM Session II: PCI in Chronic Kidney Disease

TAVR COMPLICATIONS AND CONGENITAL HEART DISEASE INTERVENTIONS

Session I: TAVR Complications
Moderators: Massimo Napodano, Bernhard Reimers
Discussants: Kimberly Atianzar, Quang T. Bui, Antonio Enrique Dager, Mohamed Mohamed Elmaraghi, Marvin H. Eng, Vincent J. Pompili

12:30 AM 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 AM Discussion

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

12:55 AM 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 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

1:20 PM TCT 37: Transcatheter Closure of Coronary Artery Fistula: Clinical and Angiographic Outcomes From a 21 Year Experience at a Single Center  
Presenting Author: Bassim El-Sabawi

1:30 PM TCT 38: Percutaneous Coronary Intervention of Aorto ostial Coronary Chronic Total Occlusion: Results and Technical Implications From a Multicenter Registry  
Presenting Author: Soledad Ojeda

1:40 PM TCT 39: 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: Simon J. Walsh

2:00 PM TCT 40: 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

2:10 PM TCT 41: Wire Location by IVUS Strongly Predicts Procedural Success in the Retrograde Approach for Chronic Total Occlusions  
Presenting Author: Yongzhen Fan

2:20 PM TCT 42: EFFICACY AND SAFETY OF THE NOVACROSS MICROCATHETER FOR CHRONIC TOTAL OCCLUSIONS: AN EXPANDED SAFETY STUDY  
Presenting Author: Erion Xhepa
**HYPERTENSION AND HEART FAILURE THERAPIES**

**Session I: Renal Denervation**
Moderators: Mark C. Bates, Joost Daemen
Discussants: Ian C. Gilchrist, Adam Janas, J. Stephen Jenkins, Ivo Petrov, Thomas Zeller

**3:00 PM** TCT 81: Quantification of Procedural and Anatomical Determinants of Multi electrode Renal Denervation
Presenting Author: Abraham Rami Tzafriri

**3:10 PM** Discussion

**3:15 PM** TCT 82: Long Term Clinical Outcomes After Renal Denervation in an Asian Population: Results From the Global SYMPLICITY Registry in South Korea GSR Korea
Presenting Author: Byeong-Keuk Kim

**3:25 PM** Discussion

**3:30 PM** TCT 605: Sympathetic renal denervation in patients with refractory arterial hypertension: two year follow up
Presenting Author: Daniil Maximkin

**3:37 PM** Discussion

**3:40 PM** TCT 607: Optimizing Safety and Efficacy of Lesion Formation for Percutaneous Renal Denervation: Human and Porcine Histological Analysis
Presenting Author: Andrew Sharp

**3:47 PM** Discussion

**3:50 PM - 4:50 PM**

**Session II: Heart Failure Therapies**
Moderators: Bernard J. Gersh, Christopher O'Connor
Discussants: Otavio Berwanger, Tomasz Jadczyk, Bilal S. Mohydin, Amit N. Patel

**3:50 PM** TCT 85: Minimally invasive catheter based deactivation of left ventricular device without surgical explantation
Presenting Author: Arif Albulushi

**4:00 PM** Discussion

**4:05 PM** TCT 86: Cardiac autonomic nerves stimulation improves hemodynamics and clinical status in advanced heart failure patients
Presenting Author: Michael Cuchiara

**4:15 PM** Discussion
4:20 PM TCT 87: Levoatrial to coronary sinus shunting as a novel strategy for symptomatic heart failure: first in human experience  
Presenting Author: Benjamin Hibbert

4:30 PM Discussion

4:35 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: Satya Shreenivas

4:45 PM Discussion

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
Room 216

3:00 PM - 4:00 PM
Session I: Left Atrial Appendage Closure  
Moderators: Randall J. Lee, Petr Neuzil  
Discussants: Anibal A. Damonte, Marek Grygier, Jamie Kim, Marco G. Mennuni, Thomas Schmitz, Paul Vermeersch

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

4:00 PM TCT 117: Novel optical coherence tomography classification of intravascular lesions in patients with chronic thromboemolic 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 Nabi 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, Robert J. Lederman  
Discussants: Sukhdeep Singh Basra, Christian Frerker, George Gellert, Jan Harnek, Tamim M. Nazif, Maurice E. Sarano

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

3:10 PM Discussion

3:15 PM TCT 90: Electrosurgical LAceration and STAbilization of a MitraClipELASTA Clip  
Presenting Author: John Lisko

3:25 PM Discussion

3:30 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: Takao Morikawa

3:40 PM Discussion

3:45 PM TCT 92: Novel optical coherence tomography classification of intravascular lesions in patients with chronic thromboemolic pulmonary hypertension treated with balloon pulmonary angioplasty.  
Presenting Author: Stanislaw Jankiewicz

4:00 PM Discussion
Presenting Author: Saibal Kar

3:40 PM Discussion

3:45 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: Adam B. Greenbaum

3:55 PM Discussion

4:00 PM - 5:00 PM Session II: Tricuspid Valve Interventions
Moderators: Karl-Heinz Kuck, Gilbert H.L. Tang
Discussants: Jörg Hausleiter, Robert J. Lederman, Georg Lutter, G. Burkhard Mackensen, Randolph P. Martin, Wojtek Wojakowski

4:00 PM TCT 93: Results From the Early Feasibility Study of CardiobandTricuspid System for Functional Tricuspid Regurgitation
Presenting Author: William A. Gray

4:10 PM Discussion

4:15 PM TCT 94: A Radial Force Independent Bioprosthesis for Transcatheter Tricuspid Valve Implantation: First in man Clinical Trial
Presenting Author: Haibo Zhang

4:25 PM Discussion

4:30 PM TCT 95: A novel approach to percutaneous removal of Right sided valvular vegetations using suction filtration and venovenous bypass circuit
Presenting Author: Mohammed Khan suheb

4:40 PM Discussion

4:45 PM TCT 96: Tricuspid Valve in Valve and Bioprosthetic Surgical Tricuspid and Pulmonic Valve Degeneration: Lessons from Imaging and Histopathology
Presenting Author: Stephanie Sellers

4:55 PM Discussion

PHYSIOLOGIC GUIDANCE: HYPEREMIC, BASAL, AND ANGIOGRAPHIC STUDIES

WEDNESDAY, SEPTEMBER 25, 2019
3:00 PM - 4:55 PM
Room 209-210

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: Tamim M. Nazif

3:10 PM Discussion

3:15 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 Discussion

3:30 PM TCT 75: Infective Endocarditis After Transcatheter Aortic Valve Replacement: Findings From a UK Nationwide Linkage Study
Presenting Author: Tom Cahill

3:40 PM Discussion

3:45 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

3:55 PM Discussion

4:00 PM - 4:55 PM Session II: Novel TAVR Data
Moderators: Hans R. Figulla, George S. Hanzel
Discussants: Cameron Dowling, Vivek Gupta, Vijay Iyer, Pablo Lamelas, Gerhard C. Schuler, Thomas Walther

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 Discussion

4:15 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-Franco

4:25 PM Discussion

4:30 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

4:40 PM Discussion

4:45 PM TCT 692: Cerebral embolization in TAVR: valve type matters
Presenting Author: Christina Brinkmann

4:52 PM Discussion

NOVEL TAVR DATA

Novel TAVR Data

Structural: Valve

WEDNESDAY, SEPTEMBER 25, 2019
3:00 PM - 4:55 PM
Room 209-210

3:00 PM - 4:00 PM Session I: Novel TAVR Data
Moderators: Jorge A. Belardi, Eberhard Grube
Discussants: Tiziana Claudia Aranzulla, Matjaz Bunc, Aakriti Gupta, Simon Cheung-chi Lam, Philip A. MacCarthy, Radoslaw Parma
THURSDAY, SEPTEMBER 26, 2019

Main Arena I: Thursday, Sept. 26

8:00 am - 9:25 am
Live Cases #1
Live Case Moderators: Martin B. Leon
Live Case Co-Moderators: Ran Kornowski
Live Case Discussants: Yaron Almagor, Tony J. DeMartini, Darshan Doshi, Ariel Finkelstein, Eberhard Grube, Tsuyoshi Kaneko, Susheel K. Kodali, Chaim S. LOTAN, Randolph P. Martin, Jeffrey J. Popma, Michael J. Reardon
Factoid Faculty: Rishi Chandiramani, Shmuel Chen, Tatsuhiro Fujimura, Tanush Gupta, Amirali Masoumi

9:25 am - 9:30 am
TCT Welcome Message
Lecturers: Juan F. Granada
Moderators: Martin B. Leon, Gregg W. Stone

9:30 am - 10:15 am
Special Presentation: "Healthcare, Remixed" by Dr. Zubin Damania (ZDoggMD)

10:15 am - 10:30 am
Career Achievement Award
Moderators: Martin B. Leon, Gregg W. Stone
Award Recipients: Robert O. Bonow

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

THURSDAY, SEPTEMBER 26, 2019
8:00 am - 12:00 pm
Live Case Theater

8:00 am  Minneapolis Heart Institute Minneapolis MN
Live Case Operator: Emmanuel S. Brilakis, Paul Sorajja

8:45 am  NYPHColumbia University Medical Center New York NY

9:30 am - 11:00 am
Session III: Live Cases — SHD
Live Case Moderators: David H. Adams Live Case Co-Moderators: Samir R. Kapadia Live Case Discussants: Seif Anwaruddin, Colin M. Barker, Charles J. Davidson, Neil P. Fam, Robert A. Guyton, Rebecca T. Hahn, Chaim S. Lotan, Jason H. Rogers, Molly Szerlip, Dee Dee Wang Factoid Faculty: Tomo Ando, Davide Cao, Hussein Rahim, Fumiysu Seike

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

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

11:00 am - 12:00 pm
Session III: Live Cases — Coronary

11:00 am  NYPHColumbia University Medical Center
LIVE CASE TRANSMISSION THEATER II:
THURSDAY, SEPT. 26

2:00 PM - 3:30 PM
Session I: Live Cases — CHIP/CTO
Live Case Moderators: William W. O’Neill
Live Case Co-Moderators: Paul S. Teirstein
Factoid Faculty: Tomo Ando, Davide Cao, Hussein Rahim, Fumiyasu Seike

2:00 PM
NYPHColumbia University Medical Center New York NY
Live Case Operators: Michael B. Collins, Dimitri Karmpaliotis, Nicholas J. Lembo, Akiko Maehara, Manish A. Parikh
Live Case Guest Operators: Antonio Colombo, William Nicholson

2:45 PM
University of Washington Medical Center Seattle WA
Live Case Operator: Danny Dvir, Thomas K. Jones, Kathleen Kearney, William L. Lombardi, Mark Reisman

3:30 PM - 6:00 PM
Session II: Live Cases — SHD
Live Case Moderators: Azeem Latib
Live Case Co-Moderators: Scott Lim
Live Case Discussants: Keith B. Allen, João L. Cavalcante, David J. Cohen, Sammy Elmariah, Hüseyin Ince, Clifford J. Kavinsky, Omar K. Khalique, Reginald I. Low, Chet Rihal, Michael Rinaldi
Factoid Faculty: Tomo Ando, Davide Cao, Hussein Rahim, Fumiyasu Seike

3:30 PM
St. Pauls Hospital Vancouver Canada
Live Case Operator: John G. Webb, David A. Wood

4:15 PM
University of Washington Medical Center Seattle WA
Live Case Operator: Danny Dvir, Thomas K. Jones, Kathleen Kearney, William L. Lombardi, Mark Reisman

5:00 PM
St. Pauls Hospital Vancouver Canada
Live Case Operator: John G. Webb, David A. Wood

METALLIC DES PART 1: STENT DIFFERENCES AND DAPT DURATION

Metallic DES Part 1: Stent Differences and DAPT Duration

Coronary: Core
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
Moderators: Alexandre Abizaid, Alexandra J. Lansky
Discussants: Hyeon-Cheol Gwon, Kurt Huber, Mitchell W. Krucoff, Marie-Claude Morice, Eliano Pio Navarese, Philip M. Urban

9:35 AM The High Bleeding Risk Patient: Current Recommendations and Overview of Dedicated Trials
Lecturer: Stephan Windecker

9:43 AM The Low Bleeding Risk Patient: Should DAPT be Tailored Based on Clinical Presentation Anatomic Complexity or DES Type
Lecturer: Ajay J. Kirtane

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
Discussants: Anita Asgar, Blase A. Carabello, Megan Coylewright, Mackram F. Eleid, Richard Smalling, Frederick G. St. Goar

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
Moderators: Jeroen J. Bax, Saibal Kar

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

Large-Bore Access and Closure

Vascular

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 M. Khan, Ashish Pershad, Toby Rogers, Ulrich Schäfer, Rajeev 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  
   Auxiliary Subclavian Transaortic  
   Lecturer: James M. McCabe

10:28 am  Axillary Access: Technique and Problem Solving  
   Lecturer: Rajeev Tayal

10:36 am  Roundtable Discussion With Audience QA

10:40 am  Transcaval Access: Technique and Problem Solving  
   Lecturer: Toby Rogers

10:48 am  Transcaval Access: Technique Outcomes and Innovations  
   Lecturer: Robert J. Lederman

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. Nazif  
   Discussants: Megan Coylewright, David Daniels, Jason Foerst, John K. Forrest, 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

11:00 am - 11:10 am  The Distinct Role of P2Y12 Inhibitors and Aspirin  
   Moderators: Marco Valgimigli  
   Discussants: Dimitrios Alexopoulos, Dominick J. Angiolillo, Usman Baber, Bernard R. Chevalier, Francesco Franchi, Thomas D. Stuckey  
   Co-Moderators: David J. Moliterno

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  
   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: Robert C. Welsh

10:47 am  The Approach to the High Bleeding Risk Patient: The Dos and the Dons  
   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: Dominick J. Angiolillo, C. Michael Gibson  
   Discussants: Marc Bonaca, Francesco Franchi, Wolfgang Koenig, Ulf Landmesser, Renato D. Lopes, Roberta Rossini

11:10 am  Loading Dose Statin Prior PCI: Is There a Role For It  
   Lecturer: Renato D. Lopes

11:17 am  Role of PCSK9 Inhibitors Post PCI and ACS  
   Lecturer: Marc Bonaca

11:24 am  Dont Forget About Your HDL: The AEGIS Program  
   Lecturer: C. Michael Gibson

11:31 am  LPA: Not So Little Anymore  
   Lecturer: Roberta Rossini

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
INTRAVASCULAR IMAGING STENT GUIDANCE:
PART 1 — THE BASICS

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, Giorgi 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
Lecturer: Richard Shlomfritz

2:30 PM Is NIRS Guided Stent Implantation Ready for Clinical Use
Lecturer: Ryan D. Madder

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

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

3:00 PM Roundtable Discussion With Audience QA

3:15 PM - 4:00 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

3:15 PM Stent Implantation in a LMCA Lesion With Quadrification Four Daughter Vessels
Lecturer: Jiancheng Xiu

3:22 PM Roundtable Discussion With Audience QA

3:26 PM A Calcified Nodule Modified by Rotational Atherectomy
Lecturer: Xiao Wang

3:33 PM Roundtable Discussion With Audience QA

3:37 PM 3 Vessel Disease With Diffuse Calcification

LEFT ATRIAL APPENDAGE CLOSURE: PART 1 — LAA CLOSURE: CURRENT STATUS AND FUTURE DIRECTIONS

Left Atrial Appendage Closure: Part 1 — LAA Closure: Current Status and Future Directions

Structural: Non-Valve

THURSDAY, SEPTEMBER 26, 2019
2:00 PM - 4:00 PM
Room 156/158

2:00 PM - 3:13 PM
Session I
Moderators: James B. Hermiller Jr, Matthew J. Price
Discussants: David Hildick-Smith, Petr Neuzil, Jens Erik Nielsen-Kudsk, Peter B. Sick, Brian K. Whisenant, Matthew Wiisanen

2:00 PM Patient Selection for LAA Closure: Risk Prediction Beyond CHA2DS2VASC and HAS BLED
Lecturer: Edip Gurol

2:10 PM LAA Closure vs. NOACs: Pros and Cons PRAGUE 17 and Additional Trials
Lecturer: Vivek Y. Reddy

2:20 PM Roundtable Discussion With Audience QA

2:28 PM WATCHMAN: Device Characteristics Procedural Technique Clinical Outcomes Ongoing Studies and Evolution to WATCHMAN FLX
Lecturer: Saibal Kar

2:43 PM AMULET: Device Characteristics Procedural Technique Clinical Outcomes and Ongoing Studies
Lecturer: James B. Hermiller Jr

2:55 PM LAA Closure in the United States: Update From the NCDR LAAO Registry
Lecturer: Matthew J. Price

3:02 PM Roundtable Discussion With Audience QA

3:13 PM - 4:00 PM
Session II: LAA Closure — Evolving Concepts
Moderators: Krysztof Bartus, David R. Holmes Jr.
Discussants: Anibal A. Damonte, Edip Gurol, Kishore J. Harjai, Amar Krishnaswamy, Ulf Landmesser, Peter B. Sick

3:13 PM Clinical Trial Design Considerations for Next to Market and Next Generation LAAO Devices
TAVR INDICATIONS AND COMPLICATIONS

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>2:00 pm</td>
<td><strong>Session I: TAVR in Low Surgical Risk Patients</strong></td>
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<tr>
<td></td>
<td><strong>Moderators:</strong> Robert O. Bonow, Michael J. Mack</td>
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<td></td>
<td><strong>Discussants:</strong> G. Michael Deeb, Robert A. Guyton, Neal S. Kleiman,</td>
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<td>Allan Schwartz, Thomas Walther, Stephan Windecker</td>
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<td>2:00 pm</td>
<td>The Low Risk TAVR RCTs: Evidence Based Vignettes</td>
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<td><strong>Deep Dive: NEW Insights From the PARTNER 3 Trial</strong></td>
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<td><strong>Lecturer:</strong> Martin B. Leon</td>
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<td>2:08 pm</td>
<td>Deep Dive: NEW Insights From the Evolut Low Risk Trial</td>
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<td><strong>Lecturer:</strong> Michael J. Reardon</td>
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<td>2:16 pm</td>
<td>Roundtable Discussion with Audience QA</td>
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<td>2:20 pm</td>
<td>PointCounterpoint: Provocative Views 1</td>
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<td><strong>Remaining Data Gaps After the Low Risk TAVR RCTs</strong></td>
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<td><strong>Lecturer:</strong> Michael A. Borger</td>
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<td>2:28 pm</td>
<td>A Modern Approach to Bioprosthetic Valve Deterioration and Failure:</td>
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<td>Emerging Data After TAVR</td>
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<td><strong>Lecturer:</strong> Davide Capodanno</td>
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<td>2:36 pm</td>
<td>Roundtable Discussion with Audience QA</td>
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<td>2:40 pm</td>
<td>Controversial Low Risk Case Presentation: A 60 Year Old Executive</td>
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<td>With Severe Symptomatic Aortic Stenosis Tri Leaflet Anatomy and No</td>
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<td>Co Morbidities Mechanical vs Bioprosthetic Valve SAVR vs TAVR</td>
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<td>Roundtable Discussion with Audience QA</td>
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<td>Making the Case for</td>
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<td><strong>EARLY TAVR for Severe Asymptomatic AS</strong></td>
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<td><strong>Case Presentation</strong></td>
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<td><strong>Case Presenter:</strong> Brad Oldemeyer</td>
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<td>3:00 pm</td>
<td>Roundtable Discussion with Audience QA</td>
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<td>3:04 pm</td>
<td>TAVR for Bicuspid Aortic Valve Disease</td>
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<td>**Clinical Trial Updates Anatomic Considerations and Optimizing</td>
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<td>Procedural Outcomes</td>
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<td><strong>Lecturer:</strong> Raj Makkar</td>
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<td>3:12 pm</td>
<td>Anatomic Considerations and Optimizing Procedural Outcomes With Case</td>
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<td>Presentations</td>
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<td><strong>Lecturer:</strong> Stanley J. Chetcuti</td>
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<td>3:20 pm</td>
<td>Surgical Perspectives: Not So Fast We Need a Randomized Trial</td>
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<td><strong>Lecturer:</strong> Patrick M. McCarthy</td>
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<td>3:26 pm</td>
<td>Asian Perspectives: Balancing Age Prevalence Anatomy and Culture</td>
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<td><strong>Lecturer:</strong> Hasan Jilaihawi</td>
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<td>3:34 pm</td>
<td>Roundtable Discussion with Audience QA</td>
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<td>3:40 pm</td>
<td>TAVR in Moderate AS With Heart Failure</td>
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<td><strong>Case Presentation Rationale and UNLOAD Trial Updates</strong></td>
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<td><strong>Lecturer:</strong> Nicolas M. Van Mieghem</td>
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<td>3:48 pm</td>
<td>Roundtable Discussion with Audience QA</td>
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TAVR for Severe AR In the Right Patients
3:50 pm  Case Presentation Evolving Technology and Clinical Trial Status
Lecturer: Torsten P. Vahl
3:58 pm  Roundtable Discussion with Audience QA

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. KapadiaDiscussants: Michael Haude, Alexandra J. Lansky, Jonathon A. Leipsic, Axel Linke, Molly Szerlip, Jochen Wohle

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

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 Sondergaard
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

5:20 pm  TAVR in a Small Aortic Annulus: Case Presentation and Management Strategies
Lecturer: Itshac Itsik Ben-dor
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 Hildick-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
6:07 pm  Roundtable Discussion with Audience QA

THE LEFT MAIN AND BIFURCATION SUMMIT: PART 1

The Left Main and Bifurcation Summit: Part 1

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

2:00 pm  When Is a Side Branch Clinically Relevant
Lecturer: Yves R. Louvard
2:06 pm  Can We and Should We Use FFRIFRqFR to Guide the Bifurcation Strategy
Lecturer: Bon-Kwon Koo
2:14 pm  IVUS OCT Guidance of Non LM Bifurcation Stenting: When and How to Use it in Practice
Lecturer: Francesco Prati
2:22 pm  IVUS OCT Guidance of Non LM Bifurcation Stenting: When and How to Use it in Practice
Lecturer: Yoshinobu Onuma
PHYSIOLOGIC LESION ASSESSMENT AND INTERVENTIONAL PLANNING: PART 1 — CURRENT CONTROVERSIES IN CORONARY PHYSIOLOGY

**2:30 PM** How to Deal With Difficult Non Left Main Bifurcation Anatomies: Side Branch Access Techniques
   Lecturer: Philippe Garot

**2:38 PM** Roundtable Discussion With Audience QA

**2:44 PM - 4:00 PM**

**Session II: Non-LM Bifurcation PCI — Technique Selection**
   Moderators: Bernard R. Chevalier, Dean J. Kereiakes
   Discussants: Nirat Beohar, Salvatore Brugaletta, Niels R. Louvard, Samin K. Sharma, Marco Zimarino

**2:44 PM** How Do I Approach Non Left Main Bifurcation Branch Ostial Lesions
   Lecturer: Hyeon-Cheol Gwon

**2:51 PM** When and How to Debulk Bifurcation Lesion
   Lecturer: Alaide Chieffo

**2:58 PM** POT re POT other POT or No POT: The Same for All Bifurcations
   Lecturer: Adrian P. Banning

**3:05 PM** A New Treatment Classification From European Bifurcation Club
   Lecturer: Francesco Burzotta

**3:12 PM** Using Dedicated Bifurcation Stents in Clinical Practice
   Lecturer: Carlo Briguori

**3:19 PM** Roundtable Discussion With Audience QA

**3:34 PM** An Age Old Debate: 2 Stents vs. 1 for True Bifurcation Lesions
   **3:34 PM** An Optimized Upfront Two Stent Strategy
   a.k.a. DK Crush Is My New Standard
   Lecturer: James B. Hermiller Jr

**3:42 PM** Provisional Stenting Remains the Reference and Preserves My Options
   Lecturer: Goran Stankovic

**3:50 PM** Roundtable Discussion With Audience QA

**4:00 PM - 5:00 PM**

**Session I: Coronary Physiology Assessment in Challenging Patient Subsets**
   Moderators: William F. Fearon, Morton J. Kern
   Discussants: Colin Berry, Tom J. Ford, Sukhjinder Singh Nijjer, Bruce Samuels, Rajesh V. Swaminathan, Jennifer A. Tremmel

**4:00 PM** Pathophysiology of the Coronary Circulation in STEMI and NSTEMI
   Lecturer: William F. Fearon

**4:07 PM** Case 1: A Patient With STEMI and Multivessel Disease
   Case Presenter: Colin Berry

**4:11 PM** Roundtable Discussion With Audience QA

**4:16 PM** Pre TAVR Coronary Physiology in Patients With Severe Aortic Stenosis: Are the Results Valid
   Lecturer: Sukhjinder Singh Nijjer

**4:23 PM** Is There a Role for Coronary Physiology in Patients Referred for CABG
   Lecturer: Petr Kala

**4:30 PM** Roundtable Discussion With Audience QA

**4:35 PM** Utility of Coronary Physiology Assessment in the Asymptomatic Patient
   Lecturer: Stephane Fournier

**4:42 PM** Value of Assessing Microvascular Function: Core Findings From CorMica and Other Studies
   Lecturer: Tom J. Ford

**4:49 PM** Case 2: How Microcirculatory Function Testing Changed My Management in a Patient Without Significant CAD
   Case Presenter: Bruce Samuels

**4:54 PM** Roundtable Discussion With Audience QA

**5:00 PM - 6:00 PM**

**Session II: Coronary Physiology in Challenging Anatomic Subsets**
   Moderators: Allen Jeremias, Habib Samady
   Discussants: Jung-Min Ahn, Rasha Al-Lamee, John McB. Hodgson, Arnold Seto, Evan Shlofmitz, Andy S. Yong

**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: Jennifer A. Tremmel

**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** Coronary Physiology During Exercise: Lessons for Interpreting the Results of ORBITA
   Lecturer: Christopher Cook

**5:30 PM** Roundtable Discussion With Audience QA

**5:35 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
### PULMONARY HYPERTENSION AND ACUTE AND CHRONIC PULMONARY EMBOLI THERAPIES: PART 1

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

| Room 156/158 | Pulmonary Hypertension and Acute and Chronic Pulmonary Emboli Therapies: Part 1 | Vascular | 4:00 PM - 6:00 PM |

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

| 4:00 PM | Preventing PE in the Cardiac Patient: What Therapies and for Whom |
| 4:10 PM | Diagnosing Pulmonary Embolism: A Practical Approach |
| 4:20 PM | PERT: Why and How |
| 4:30 PM | Systemic Therapy for Acute PE: Options Effectiveness Safety |
| 4:40 PM | Catheter Directed Therapy for Acute PE I: Indications Options Outcomes |
| 4:50 PM | Catheter Directed Therapy for Acute PE II: Indications Options Outcomes |
| 5:00 PM | Utility and Risks of Vena Cava Filters to Prevent PE |
| 5:10 PM | Roundtable Discussion With Audience QA |
| 5:30 PM | Case 1: Interventional Treatment of Acute Pulmonary Emboli |
| 5:37 PM | Case 2: Interventional Treatment of Acute Pulmonary Emboli |
| 5:45 PM | Case 3: Interventional Treatment of Acute Pulmonary Emboli |

#### Session II: STEMI Controversies
- **Moderators:** Cindy L. Grines, Pieter C. Smits
- **Discussants:** George D. Dangas, Anthony H. Gershlick, Sanjit S. Jolly, Tanveer Rab, Shigeru Saito, Binita Shah

| 5:00 PM | STEMI 2019: Who Are the High Risk Patients |
| 5:07 PM | A Woman's Perspective: Minoca SCAD Takotsubo etc. |
| 5:14 PM | Get With the Guidelines: Delay 120 min. ED Bypass Registries Public Reporting etc. |
| 5:21 PM | No Reflow: How to Prevent It and How to Fix It |
| 5:28 PM | Roundtable Discussion With Audience QA |
| 5:35 PM | Infarct Size Reduction: From the First FDA Approved Therapy SS02 to Novel Approaches |
| 5:45 PM | LV Unloading to Reduce Infarct Size: Rationale Completed Studies and Ongoing Trials |
| 5:52 PM | Roundtable Discussion With Audience QA |
Con: The Battle Is Won at the Front Line
Lecturer: William J. French

Roundtable Discussion With Audience QA

Complete Revascularization in STEMI with MVD Without Shock: Is the Story COMPLETE
Lecturer: Shamir R. Mehta

Debate 2: Complete Revascularization in STEMI With MVD and Shock
5:27 PM Infarct Artery PCI Only: CULPRIT Shock Provides the Answer
Lecturer: Holger Thiele
5:33 PM Not So Fast: There Is So Much More to Learn
Lecturer: Pieter C. Smits

Roundtable Discussion With Audience QA

Debate 3: What to Do With SCAD
5:44 PM Case Presentation: A SCAD I Wish I Would Have Fixed
Case Presenter: David A. Cox
5:49 PM Case Presentation: A SCAD I Wish I Would Have Left Alone
Case Presenter: Jacqueline Saw

Roundtable Discussion With Audience QA

TCT INNOVATION III: TCT SHARK TANK INNOVATION COMPETITION

TCT Innovation III: TCT Shark Tank Innovation Competition

THURSDAY, SEPTEMBER 26, 2019
8:00 AM - 12:00 PM
Innovation & Keynote Theater

8:00 AM TCT Shark Tank Innovation Competition: 5 Year Summary
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: Murali Padala

8:28 AM Sharks Moderated QA

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

8:48 AM Sharks Moderated QA

8:58 AM Rapid Noninvasive Diagnostics for Aortic Stenosis and Heart Failure Avicena Vivio
Lecturer: Marie Csete

9:08 AM Sharks Moderated QA

9:18 AM Restoring Damaged Arteries With Regenerative Stents STENTiT
Lecturer: Maria Sol Cabrera

9:28 AM Sharks Moderated QA

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

9:48 AM Sharks Moderated QA

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

10:18 AM Creating a Clear Path for Your Continuous ECG Signals SmartMedic
Lecturer: Adrian Maciejewski

10:28 AM Sharks Moderated QA

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 Metavention
Lecturer: Felix Mahfoud

10:48 AM Sharks Moderated QA

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

11:08 AM Sharks Moderated QA
TCT INNOVATION IV: GLOBAL PERSPECTIVES IN MEDTECH INNOVATION II AND DIGITAL HEALTHCARE

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: Peter J.J. Fitzgerald, Marvin J. Slepian
Discussants: Milena Adamian, Ori Ben-Yehuda, Yuval Binur, Jay S. Giri, David F. Kong, Frank Litvack

2:00 PM Featured Lecture: Clinical Validation of Emerging Technologies In Which Direction Is the Global Landscape Changing
Lecturer: David F. Kong

The Next Big Thing

2:08 PM Poly Genetic Risk Analysis Big Data Analytics and Disease Prediction Models
Lecturer: Robert M. Califf

2:16 PM Smart Medical Devices: Technological Trends That Will Revolutionize the Medical Field
Lecturer: Marvin J. Slepian

2:24 PM Moderated Discussion

2:30 PM Featured Technology: Miniaturization of Medical Devices Through High Definition Manufacturing A Precision Micro Device Ablation Technology
Lecturer: Christian Gastón Palmaz

2:37 PM Global Digitalization of Healthcare: The Emerging Field of Cyber Security
Lecturer: Peter J.J. Fitzgerald

2:45 PM Featured Technology: Real World Evidence Generation Technology Using Artificial Intelligence and Deep Learning to Predict Disease Risk and Efficacy of Therapy HOLMUSK
Lecturer: Joydeep Sarkar

2:51 PM Moderated Panel Discussion

2:57 PM - 4:12 PM
Digital Healthcare and Advanced Data Analytics
Moderators: Peter J.J. Fitzgerald, Jay S. Giri
Discussants: Annapoorna Kini, Pavel Overtchouk, Partha Sardar, Joydeep Sarkar, Marvin J. Slepian, Jeroen Tas

2:57 PM Session XII: Digital Hospital Systems and Healthcare Delivery

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

Featured Fascinating Lectures

3:07 PM Digital Transformation of Cardiac Catheterization: The Time Is Here An Enterprise Wide Solution to Seamlessly Integrate Evidence Based Digital Medicine Tools
Lecturer: Annapoorna Kini

3:14 PM Applications of Blockchain in Interventional Cardiology
Lecturer: Partha Sardar

3:21 PM Featured Technological Healthcare Delivery Examples from a Military Based Medical Innovation Development Platform
Lecturer: Ariel Furer

3:28 PM Moderated Panel Discussion

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

3:36 PM Fascinating Lecture: Use of Artificial Intelligence to Develop Cardiac Risk Score for Predicting CAD in the Next 7 Years
Lecturer: Shiv 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: Timothy D. Henry

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 vs. STSACC TVT Score to Predict Mortality After Transcatheter Aortic Valve Replacement
Lecturer: Pavel Overtchouk
4:12 PM - 5:00 PM

**Session XIV: Wearables, Physiologic Monitoring, and Data Sharing**

Moderators: Robert A. Harrington, Chaim S. Lotan
Discussants: William T. Abraham, Peter Carson, Neal L. Eigler, David R. Holmes Jr., Issam D. Moussa, Marvin J. Slepian

4:12 PM Keynote Lecture: Reimagining Cardiology Practice With Wearables and Remote Monitoring
Lecturer: Robert A. Harrington

4:22 PM Featured Technological Trends
4:22 PM A First in Human Multicenter Open Label Prospective Study to Evaluate the Safety Usability and Performance of the V Lap System
Lecturer: William T. Abraham

4:29 PM How the Use of Noninvasive Cardiac Output Measurement Can Could Help You Manage Your Heart Failure Patient Vital Metrix
Lecturer: James Thomas Heywood

4:36 PM Wearable Device for Continuous Noninvasive Monitoring of Vascular Access Health and Fluid Status in Hemodialysis Patients GraftWorx
Lecturer: William A. Gray

4:43 PM Advance Warning of Acute Coronary Syndrome Events AngelMed: Getting to the Church on Time
Lecturer: David R. Holmes Jr.

4:50 PM Moderated Panel Discussion

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

**FDA Town Hall Meeting Part 1: Goals for 2019/2020**

**Innovation**

**THURSDAY, SEPTEMBER 26, 2019**

2:00 PM - 5:35 PM
Room 205-206

2:00 PM **Session I: CDRH/FDA Evolution — Focus on Total Product Life**
Moderators: Gregg W. Stone, Bram D. Zuckerman
Discussants: Lori M. Ashby, Todd J. Brinton, Robert M. Califf, David E. Kandzari, Aaron V. Kaplan, Mitchell W. Krcoff, William H. Maisel, Roxana Mehran, Ian T. Meredith, 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 Keynote Lecture: A Vision for an Evolving Regulatory and Healthcare System
Lecturer: Robert M. Califf

2:45 PM Roundtable Discussion With Audience QA Featuring Provocative Thoughts From:
2:45 PM FDA Discussant: Bram D. Zuckerman
2:45 PM Industry Discussant: Todd J. Brinton Ian T. Meredith Sean Salmon
2:45 PM PhysicianDevice Developers Discussant: Aaron V. Kaplan
2:45 PM Clinician Investigators Discussant: David E. Kandzari Mitchell W. Krucoff Roxana Mehran

3:15 PM - 4:10 PM

**Session II: Special Programs — Update on Early Feasibility and First-In-Human Studies**

Moderators: Andrew Farb, Martin B. Leon
Discussants: Lauren S. Baker, Juan F. Granada, Mayra Guerrero, Chip Hance, Aaron V. Kaplan, Michael J. Mack, Neil E. Moat, Semih Oktay, 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 Industrys 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**

Moderators: Mitchell W. Krucoff, Eleni Whatley

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. Rocha-Singh

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

**Structural: Valve**
**Structural: Non-Valve**

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

8:00 am - 9:00 am
Session I: Transcatheter Tricuspid Valve Interventions
Moderators: Rebecca T. Hahn
Discussants: João L. Cavalcante, Abdellaziz Dahou, Nishath Quader, William A. Zoghbi

8:00 am Echocardiographic Imaging of the Tricuspid Valve: Tips and Tricks
Lecturer: Rebecca T. Hahn

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: Azeem Latib

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 Rubenson
Discussants: Stephen H. Little, Philippe Pibarot, William A. Zoghbi

9:00 am Deciphering Discordant Measures of Aortic Stenosis

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)**

**Coronary: Core**
**Coronary: CHIP**

**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 Sheiban, Fei Ye

8:15 am - 9:00 am
Session III: Transcatheter Mitral Valve Interventions
Moderators: Nishath Quader, Muhamed Saric
Discussants: Nadira Hamid, Konstantinos P. Koulogiannis, James Lee, Stamatios Lerakis, Stephen H. Little, Alan Vainrib

10:00 am Choosing the Appropriate Patient for Edge to Edge Repair
Lecturer: Stephen H. Little

10:10 am Defining Mitral Edge to Edge Repair Procedural Success
Lecturer: Federico M. Asch

10:20 am Avoiding Complications for Mitral Valve in Valve and Valve in MAC
Lecturer: Victoria Delgado

10:30 am Case Based Learning: Paravalvular Mitral Prosthetic Regurgitation
Case Presenter: Nishath Quader

10:40 am Rapid Fire Review of Transcatheter Mitral Valve Devices
Lecturer: Konstantinos P. Koulogiannis

10:50 am Roundtable Discussion With Audience QA
TRANSCATHETER VALVE THERAPY | THURSDAY, SEPTEMBER 26, 2019
9:00 AM - 5:15 PM
Room 216

9:00 AM - 9:30 AM
Plenary Session: Pathways of Japan-USA Device Innovation Synergies
Moderator: Neal Fearnot, Fumiaki Ikeno

9:00 AM
Introduction to HBD and US Japanese Collaborations Past Present Future
Lecturer: Mitchell W. Krucoff

9:15 AM
New Horizons for Innovation: Japanese Regulatory Initiatives
Lecturer: Fumihito Takanashi

9:30 AM - 10:45 AM
Session I: Real-World Evidence for Regulatory Science — How Are We “Doing”? Moderators: Daniel Canos, Chie IwaishiDiscussants: Tetsuya Amano, David Erlinge, Masahiko Fujihara, David F. Kong, Hanako Morikawa

9:30 AM
Real World Evidence in Japan: Practical Considerations for Data Collection and Use
Lecturer: Masahiko Fujihara

9:40 AM
What Has the US Learned From Collecting and Using Real World Evidence So Far
Lecturer: Daniel Canos

9:50 AM
Japanese Regulatory Efforts to Promote and Accept Real World Evidence
Lecturer: Hanako Morikawa

10:00 AM
Special Panel on Registry Based Prospective Randomized Trials: A Global View
Panelist: Tetsuya Amano, David Erlinge, David F. Kong

10:00 AM
USA View
Lecturer: David F. Kong

10:05 AM
Japan View
Lecturer: Tetsuya Amano

10:10 AM
Sweden View
Lecturer: David Erlinge

10:15 AM
Panel Discussion: Priorities for Pragmatic Progress What Do We Need to Do

10:45 AM - 11:00 AM
Break

11:00 AM - 12:30 PM

11:00 AM
Moving From Signal Detection to Signal Discernment: An FDA View
Lecturer: Eleni Whatley

11:15 AM
Statistical Considerations: Competing Risk Pooling Data RCT vs. Observational Data

HARMONIZATION BY DOING: NEW HORIZONS IN JAPAN-US SYNERGIES

Harmozination by Doing: New Horizons in Japan-US Synergies
Innovation
11:30 AM Safety of PTX Devices for PAD in Japan: Academic View
Lecturer: Masato Nakamura

11:45 AM Panel Discussion: Pathways Forward and Next Steps for Doing

12:30 PM - 1:30 PM Break for Lunch

1:30 PM - 2:25 PM Session III: HBD for Children
Moderators: Nicole Ibrahim, Satoshi Yasukochi
Discussants: Sung-Hae Kim, Kazuaki Sekiguchi, Sara Takahashi

1:30 PM Introduction and Prospect of the HBD for Children Activities
Lecturer: Nicole Ibrahim

1:40 PM The Basic Regulation Pathway For a Clinical Trial in Japan Compared to US Regulation
Lecturer: Mitsuru Yuba

1:45 PM The Basic Regulation Pathway For an Early Feasibility Study in the US
Lecturer: Hiren Mistry

2:00 PM Experience on the Global Clinical Trial Japanese Industrys View
Lecturer: Daiki Yasuhara

2:10 PM Experience on the Early Feasibility Study US Industrys View
Lecturer: Robert J. Thatcher

2:25 PM - 4:00 PM Session IV: Japan-USA Global Clinical Trials, Including Early Feasibility Studies — What Are We “Doing”?
Moderators: Neal Fearnot, Takahiro Uchida
Discussants: Fumiaki Ikeno, Hiren Mistry, Robert J. Thatcher, Daiki Yasuhara, Hiroyoshi Yokoi, Mitsuru Yuba

2:25 PM The Basic Regulation Pathway For a Clinical Trial in Japan Compared to US Regulation
Lecturer: Mitsuru Yuba

2:35 PM The Basic Regulation Pathway For an Early Feasibility Study in the US
Lecturer: Hiren Mistry

2:45 PM Experience on the Global Clinical Trial Japanese Industrys View
Lecturer: Daiki Yasuhara

2:55 PM Experience on the Early Feasibility Study US Industrys View
Lecturer: Robert J. Thatcher

3:05 PM Panel Discussion

4:00 PM - 5:15 PM Session V: PCI in the High Bleeding Risk (HBR) Population
Moderators: Fumiaki Ikeno, Hans-Peter Stoll
Discussants: Junya Ako, Ken Kozuma, Masato Nakamura

4:00 PM ARC Definition of High Bleeding Risk: Global Impact on HBR PCI Clinical Studies
Lecturer: Hans-Peter Stoll

4:10 PM PCI for HBD Patients in Japan: Current Clinical Treatment and Post Market Treatment

2:20 PM Study Design Considerations for HBR Patients and DES Platforms: FDA View
Lecturer: Adrian Magee

2:30 PM Study Design Considerations for HBR Patients in Japan
Lecturer: Yasuko Nakamura

2:40 PM Panel Discussion: Are We Ready for Global HBR Studies

SACI ELM

Coronary: Core
Coronary: CHIP
Structural: Valve
Structural: Non-Valve

THURSDAY, SEPTEMBER 26, 2019
2:00 PM - 6:00 PM
Room 211

2:00 PM - 6:00 PM SCAI ELM Class & Program
ELM Class: Mohamad Adnan Alkhouli, Suzanne J. Baron, Megan Coyleswright, Marvin H. Eng, Perwaiz M. Meraj, Brian Morray, Tomim M. Nazif, Eric A. Osborn, Shyam Sathanandam, Stephen W. Waldo, Sarah Zaman, David Zidar

2:00 PM The Basic Regulation Pathway For a Clinical Trial in Japan Compared to US Regulation
Lecturer: Mitsuru Yuba

2:10 PM The Basic Regulation Pathway For an Early Feasibility Study in the US
Lecturer: Hiren Mistry

2:45 PM Experience on the Global Clinical Trial Japanese Industrys View
Lecturer: Daiki Yasuhara

2:55 PM Experience on the Early Feasibility Study US Industrys View
Lecturer: Robert J. Thatcher

3:05 PM Panel Discussion

4:00 PM - 5:15 PM SCAI ELM Class & Program
ELM Class: Mohamad Adnan Alkhouli, Suzanne J. Baron, Megan Coyleswright, Marvin H. Eng, Perwaiz M. Meraj, Brian Morray, Tomim M. Nazif, Eric A. Osborn, Shyam Sathanandam, Stephen W. Waldo, Sarah Zaman, David Zidar

4:00 PM - 5:15 PM SCAI ELM Class & Program
ELM Class: Mohamad Adnan Alkhouli, Suzanne J. Baron, Megan Coyleswright, Marvin H. Eng, Perwaiz M. Meraj, Brian Morray, Tomim M. Nazif, Eric A. Osborn, Shyam Sathanandam, Stephen W. Waldo, Sarah Zaman, David Zidar

4:00 PM ARC Definition of High Bleeding Risk: Global Impact on HBR PCI Clinical Studies
Lecturer: Hans-Peter Stoll

4:10 PM PCI for HBD Patients in Japan: Current Clinical Treatment and Post Market Treatment

2:00 PM Team Building in Cardiovascular Medicine
Discussant: Matthew J. Daniels, Dmitriy N. Feldman

2:10 PM Coronary Heart Team
Moderators: Ajay J. Kirtane, Ehtisham Mahmud
Discussants: Mauricio G. Cohen, Timothy D. Henry, Prashant Kaul, Sridha S. Naidu

2:10 PM Presentation of Case Study
Case Presenter: Eric A. Osborn

2:15 PM Coronary Heart Team: Cardiology Perspective
Lecturer: Timothy D. Henry

2:35 PM Coronary Heart Team: Surgery Perspective
Lecturer: Kendra J. Grubb

2:55 PM Roundtable Discussion With Audience QA

3:15 PM Valve Heart Team
Moderators: George D. Dangas, Matthew J. Daniels
Discussants: Vinayak N. Bapat, Mauricio G. Cohen, Martyn R. Thomas, Dee Dee Wang

3:15 PM Presentation of Case Study
Case Presenter: Eric A. Osborn

3:20 PM TAVI: The Heart Team IC Perspective
Lecturer: Martyn R. Thomas

3:20 PM TAVI: The Heart Team IC Perspective
Lecturer: Martyn R. Thomas
3:35 pm | TAVI: The Heart Team Surgery Perspective  
Lecturer: Vinayak N. Bapat

3:50 pm | TAVI: The Heart Team Imaging Perspective  
Lecturer: Dee Dee Wang

4:05 pm | Roundtable Discussion With Audience QA

4:25 pm | Break

4:35 pm | Endovascular Team  
Moderators: Dmitriy N. Feldman, Lawrence A. Garcia  
Discussants: Matthew T. Menard, Aman B. Patel, Frank J. Veith, Christopher J. White

4:35 pm | Presentation of Case Study  
Case Presenter: Andrew J. Klein

4:40 pm | Neurovascular Team: IC Perspective  
Lecturer: Lawrence A. Garcia

4:55 pm | Neurovascular Team: Neurosurgery Perspective  
Lecturer: Aman B. Patel

5:25 pm | CLI Vascular Team: Vascular Surgery Perspective  
Lecturer: Frank J. Veith

5:40 pm | Roundtable Discussion With Audience QA

5:55 pm | Conclusion  
Discussant: Matthew J. Daniels, Dmitriy N. Feldman

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**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**

**Coronary: CoreCoronary: CHIP**

**THURSDAY, SEPTEMBER 26, 2019**

**Room 203**

4:00 pm - 5:25 pm

**International Session: OCT Guiding in In-Stent Restenosis (ISR)**

Moderators: Evald H. Christiansen, Simon J. Walsh  
Discussants: Andrejs Erglis, Niels R. Holm, Peter O’Kane, James C. Spratt

- **4:00 pm** | Introduction
- **4:02 pm** | Case 1: OCT Guided Lesion Preparation in ISR  
Case Presenter: Indulis Kumsars
- **4:09 pm** | Roundtable Discussion With Audience QA
- **4:12 pm** | Case 2: ISR Requires Stepwise OCT Guiding  
Case Presenter: Jacob Odenstedt
- **4:19 pm** | Roundtable Discussion With Audience QA

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**JAPAN ENDOVASCULAR TREATMENT (JET) @ TCT**

**Japan Endovascular Treatment (JET) @ TCT**

**Vascular**

**THURSDAY, SEPTEMBER 26, 2019**

2:30 pm - 3:30 pm  
Presentation Theater 2

2:30 pm - 3:30 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 Soga

2:30 pm | Introduction  
Lecturer: Masato Nakamura

2:31 pm | Intravascular Ultrasound Supported Endovascular Therapy in SFA Disease: 12 Month Results From the IVORY Study  
Lecturer: Osamu Iida

2:38 pm | Mortality Risk Following Application of Paclitaxel Coated Devices in Femoropopliteal Lesion: Results From the CAROOT Study  
Lecturer: Yoshimitsu Soga

2:45 pm | Roundtable Discussion With Audience QA

2:50 pm | New Crossing Techniques for Complex Femoropopliteal Disease  
Lecturer: Makoto Utsunomiya

2:57 pm | New Crossing Techniques for Complex Below the Knee Disease  
Lecturer: Tatsuya Nakama

3:04 pm | Roundtable Discussion With Audience QA

3:09 pm | Optimal Vessel Preparation Evaluated by Multimodality Imaging: Results From IGNITE  
Lecturer: Masahiko Fujihara

3:16 pm | 1 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

3:23 pm | Roundtable Discussion With Audience QA

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**TRANSCATHETER VALVE THERAPY | THURSDAY, SEPTEMBER 26, 2019**

Last Updated 09/26/2019  Page: 45
INTERNATIONAL COMPLEX CASE SESSION I: FEATURED STRUCTURAL HEART DISEASE CASES

8:30 am - 10:30 am
Featured Structural Heart Disease Cases
Moderators: David W.M. Muller, Wojtek Wojakowski
Discussants: Mohamed Karim Abdelghany, Wacin Buddhari, Habib Gamra, Armando Mangioni, Rogerio Sarmento-Leiva, Wei-Hsien 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: Matjaž Bunc

8:45 am Roundtable Discussion With Audience QA

8:53 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
Coronary: CoreCoronary: CHIP

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

2:30 pm - 4:00 pm
Featured Complex Coronary Cases
Moderators: Khalid A. Al Faraidy, Jose L. Leiva-Pons
Discussants: Alejandro Goldsmit, Ben Hamda Khaldoun, Marin Postu, Carlos E. Uribe

2:30 pm Introduction
Lecturer: Khalid A. Al Faraidy

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
INTERNATIONAL COMPLEX CASE SESSION III: 
FEATURED STRUCTURAL HEART DISEASE CASES

4:00 PM - 5:30 PM
Featured Structural Heart Disease Cases
Moderators: Oscar A. Mendiz, Armando Perez de Prado
Discussants: Kurt Huber, Marco A. Perin, Henrique B. Ribeiro, Ramiro Trillo

4:00 PM
Introduction
Lecturer: Armando Perez de Prado

4:05 PM
Indonesia Presents: Transcatheter 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

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

4:35 PM
Portugal Presents: Percutaneous Treatment of Aortic Dissection and Rupture During a Transcatheter Aortic Valve Implantation Procedure

4:45 PM
Roundtable Discussion With Audience QA

4:50 PM
Hong Kong Presents: What Is the Cause of Total LV Failure
Case Presenter: Michael Kang-Yin Lee

5:00 PM
Roundtable Discussion With Audience QA

5:05 PM
Case Presenter: Matjaz Bunc

5:15 PM
Roundtable Discussion With Audience QA

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

CONTROVERSIES IN SFA INTERVENTION
(SPONSORED BY CRF; SUPPORTED BY MEDTRONIC AND WL GORE & ASSOCIATES)

6:30 AM - 7:45 AM
Check-In and Breakfast

6:45 AM - 7:45 AM
Controversies in SFA Intervention
Faculty: Ehrin J. Armstrong, Brian G. DeRubertis, Juan F. Granada, William A. Gray, Konstantinos Katasonos, Mehdi H. Shishehbor
Chairs: Michael R. Jaff, Sahil A. Parikh

6:45 AM
Introduction and Session Objectives
Lecturer: Sahil A. Parikh
6:47 AM  State of the Art Lecture: Novel Drug Delivery Technologies for the SFA  
Lecturer: Juan F. Granada

6:56 AM  Long Segment SFA CTO in a Claudicant  
Lecturer: Brian G. DeRubertis

7:02 AM  Deciphering the FDA Guidance  
Lecturer: Mehdi H. Shishehbor

7:09 AM  There Are No Circumstances in Which I Have to Use DCBDES  
Lecturer: Konstantinos Katsanos

7:16 AM  Circumstances in Which I Feel That I Have to Use DCBDES  
Lecturer: Ehrin J. Armstrong

7:24 AM  Emerging Drug Free Platforms for the SFA: Can We Do Better Off Drugs  
Lecturer: William A. Gray

7:31 AM  Moderated Discussion: SFA Treatment Algorithms in 2019 and Beyond

INNOCATIVE APPROACHES TO PCI: TOOLS TO SUPPORT YOUR PATIENT CARE (SPONSORED BY ACIST MEDICAL SYSTEMS)

Innovative Approaches to PCI: Tools to Support Your Patient Care (Sponsored by ACIST Medical Systems)

THURSDAY, SEPTEMBER 26, 2019
6:30 AM - 7:45 AM
Room 211

6:30 AM - 6:45 AM  Check-in & breakfast

6:45 AM - 7:45 AM  Innovative Approaches to PCI: Tools to Support Your Patient Care  
Faculty: Joost Daemen, Michael J. Lim, Matthew J. Price, Adam Stys  
Chairs: Morton J. Kern

6:45 AM  Introduction  
Presenter: Morton J. Kern

6:50 AM  Current Practices and Best Approaches for Best Outcomes in the Cath Lab  
Presenter: Michael J. Lim

7:00 AM  Low Contrast PCI Protocol: Optimizing the ACIST CVi  
Presenter: Adam Stys

7:10 AM  Diagnostic Accuracy of Diastolic Pressure Ratio dPR using a Fiber Optic Microcatheter  
Presenter: Matthew J. Price

7:20 AM  FFR guided Optimization Directed by HD IVUS: Insights into the Randomized FFR REACT Trial  
Presenter: Joost Daemen

7:30 AM  QA Discussion and Closing  
Moderators: Morton J. Kern  
Discussants: Joost Daemen, Michael J. Lim, Matthew J. Price, Adam Stys

INTRAORTIC BALLOON COUNTERPULSATION FOR PERCUTANEOUS AORTIC VALVE OR COMPLEX PCI PROCEDURES: AWARD-WINNING CASE PRESENTATIONS (ORGANIZED BY CRF; SPONSORED BY GETINGE GROUP)

Intraaortic Balloon Counterpulsation for Percutaneous Aortic Valve or Complex PCI Procedures: Award-Winning Case Presentations (Organized by CRF; Sponsored by Getinge Group)

THURSDAY, SEPTEMBER 26, 2019
6:30 AM - 7:45 AM
Room 201-202

6:30 AM - 6:45 AM  Check-in and breakfast

6:45 AM - 7:45 AM  Intraaortic Balloon Counterpulsation for Percutaneous Aortic Valve or Complex PCI Procedures: Award-Winning Case Presentations  
Faculty: Tamer Elashkar, Daniel Heikali, Kartik Telukuntla  
Chairs: Tayo A. Addo, George D. Dangas, Jose M. Wiley

6:45 AM  Ventricular Septal Rupture Post Myocardial Infarction: Transcatheter Device Closure Assisted With Intra Aortic Ballooon Pump  
Case Presenter: Tamer Elashkar

7:00 AM  QA Session

7:05 AM  Ecstasy at a Party: From Party Balloons to Balloon Counterpulsation and Balloon Angioplasty  
Case Presenter: Daniel Heikali

7:20 AM  QA Session

7:25 AM  End Stage AL Amyloidosis: Bridging With Counterpulsation Therapy in the Modern Heart Transplantation Era  
Case Presenter: Kartik Telukuntla

7:40 AM  QA Session

KEEPING THE RHYTHM WITH THE TEMPO® LEAD: SAFETY, STABILITY, AND COST-EFFECTIVENESS FOR TAVR AND OTHER CARDIAC PROCEDURES (SPONSORED BY BIOTRACE MEDICAL)

Keeping the Rhythm With the Tempo® Lead: Safety, Stability, and Cost-Effectiveness for TAVR and Other Cardiac Procedures (Sponsored by BioTrace Medical)

THURSDAY, SEPTEMBER 26, 2019
6:30 AM - 7:45 AM
Room 207
NEW PERSPECTIVES ON THE TREATMENT OF FUNCTIONAL MR IN PATIENTS WITH HEART FAILURE (SPONSORED BY CARDIAC DIMENSIONS)

New Perspectives on the Treatment of Functional MR in Patients With Heart Failure (Sponsored by Cardiac Dimensions)

THURSDAY, SEPTEMBER 26, 2019
6:30 AM - 7:45 AM
Room 203

6:30 AM - 6:45 AM
Check-in and breakfast

6:45 AM - 7:45 AM
New Perspectives on the Treatment of Functional MR in Patients With Heart Failure
Faculty: Samir R. Kapadia, Matthias Lutz, Horst Sievert, Ralph Stephan von Bardeleben
Chairs: Steven Goldberg, Eberhard Grube, Martin B. Leon

THURSDAY, SEPTEMBER 26, 2019
6:30 AM - 7:45 AM
Room 216

6:30 AM - 7:45 AM
NobleStitch PFO Closure: Recorded Case and Didactic Session
Chair: James Thompson

6:45 AM
Introduction and Objectives
Presenter: Steven Goldberg

6:50 AM
Background on FMR Treatment Options: The Carillon Mitral Contour System
Presenter: Horst Sievert

6:58 AM
REDUCE FMR Publication Data
Presenter: Horst Sievert

7:06 AM
Long Term Data: Carillon Trial
Presenter: Samir R. Kapadia

7:14 AM
Utilizing the TMVr Toolbox to Optimize Current and Future Needs When Treating the Progression of FMR and HR
Presenter: Ralph Stephan von Bardeleben

NOBLESTITCH PFO CLOSURE: RECORDED CASE AND DIDACTIC SESSION (SPONSORED BY HEARTSTITCH, INC. AND INOVA HEART AND VASCULAR INSTITUTE)

NobleStitch PFO Closure: Recorded Case and Didactic Session (Sponsored by HeartStitch, Inc. and Inova Heart and Vascular Institute)

THURSDAY, SEPTEMBER 26, 2019
6:30 AM - 7:45 AM
Room 216

6:30 AM - 7:45 AM
NobleStitch PFO Closure: Recorded Case and Didactic Session
Chair: James Thompson

6:30 AM
Check in  breakfast

6:45 AM
Introduction
Presenter: James Thompson

6:55 AM
LIVE In A Box Case presentation of NobleStitch EL
Presenter: James Thompson

7:15 AM
Presentation of US Clinical Data
Presenter: James Thompson

7:30 AM
Discussion of US Clinical Trial and QA Session
Presenter: Anthony A. Nobles, James Thompson

SUPERSATURATED OXYGEN IN STEMI TO REDUCE INFARCT SIZE: A NEW FDA-APPROVED THERAPY (SPONSORED BY THEROX, INC.)

SuperSaturated Oxygen in STEMI to Reduce Infarct Size: A New FDA-Approved Therapy (Sponsored by TherOx, Inc.)

THURSDAY, SEPTEMBER 26, 2019
6:30 AM - 7:45 AM
Room 215

6:45 AM
Introduction and Objectives
Presenter: Steven Goldberg

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Background on FMR Treatment Options: The Carillon Mitral Contour System
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Utilizing the TMVr Toolbox to Optimize Current and Future Needs When Treating the Progression of FMR and HR
Presenter: Ralph Stephan von Bardeleben
6:45 AM - 7:45 AM
SuperSaturated Oxygen in STEMI to Reduce Infarct Size: A New FDA-Approved Therapy
Faculty: Suzanne de Waha-Thiele, E. Magnus Ohman, Richard A. Schatz, James Spears
Chairs: Gregg W. Stone

6:45 AM
Introduction
Presenter: Gregg W. Stone

6:50 AM
Importance of Infarct Size and Microvascular Obstruction in STEMI
Presenter: Suzanne de Waha-Thiele

7:00 AM
Failed Therapeutic Approaches Drugs and Devices to Reduce Infarct Size
Presenter: E. Magnus Ohman

7:10 AM
SuperSaturated Oxygen Therapy: Background and Mechanism of Action
Presenter: James Spears

7:20 AM
SSO2 Therapy: Clinical Evidence and Outcomes
Presenter: Gregg W. Stone

7:30 AM
SSO2 Therapy: Case Study
Presenter: Richard A. Schatz

7:40 AM
Discussion
Moderators: Gregg W. Stone
Discussants: Suzanne de Waha-Thiele, E. Magnus Ohman, Richard A. Schatz, James Spears

VIRTUE® SIROLIMUS-ELUTING BALLOON: POTENTIAL BREAKTHROUGH TREATMENT FOR CORONARY ISR (SPONSORED BY ORCHESTRA BIOMED AND TERUMO INTERVENTIONAL SYSTEMS)

Virtue® Sirolimus-Eluting Balloon: Potential Breakthrough Treatment for Coronary ISR (Sponsored by Orchestra BioMed and Terumo Interventional Systems)

THURSDAY, SEPTEMBER 26, 2019
6:30 AM - 7:45 AM
Room 213

6:30 AM - 6:45 AM
Check-in and breakfast

6:45 AM - 7:45 AM
Virtue® Sirolimus-Eluting Balloon: Potential Breakthrough Treatment for Coronary ISR
Faculty: Robert A. Byrne, Juan F. Granada, David E. Kandzari
Chairs: Dean J. Kereiakes

6:45 AM
Coronary ISR: Prevalence and Trial Biases
Moderator: Dean J. Kereiakes

7:00 AM
Potential Hazards of Re Stenting
Moderators: Dean J. Kereiakes
Presenters: David E. Kandzari

7:10 AM
Current DCBs: Challenges of Paclitaxel and the Downsides of Coatings
Moderators: Dean J. Kereiakes
Presenters: Robert A. Byrne

7:20 AM
QA Session
Moderators: Dean J. Kereiakes
Discussants: Robert A. Byrne, Juan F. Granada, David E. Kandzari

7:25 AM
Virtue SEB: Promising Data for Innovative LIMUS Delivery
Moderators: Dean J. Kereiakes
Presenters: Juan F. Granada

7:35 AM
QA Session
Moderators: Dean J. Kereiakes
Discussants: Robert A. Byrne, Juan F. Granada, David E. Kandzari

TREATING THE COMPLEX PATIENT: IMPELLA-ENABLED COMPLETE REvascularization (ORGANIZED BY CRF; SPONSORED BY ABIOMED, INC.)

Treat the Complex Patient: Impella-Enabled Complete Revascularization (Organized by CRF; Sponsored by ABIOMED, Inc.)

THURSDAY, SEPTEMBER 26, 2019
6:30 AM - 7:45 AM
Room 205-206

6:30 AM - 6:45 AM
Check-in & Breakfast

6:45 AM - 7:45 AM
Treat the Complex Patients: Impella Enabled Complete Revascularization
Faculty: Ehtisham Mahmud, Rajan A. Patel, Jeffrey J. Popma
Chairs: William W. O'Neill

6:45 AM
Protected PCI: A Contemporary Look at Clinical Data from cVAD
Lecturer: Jeffrey J. Popma

7:10 AM
Discussion

ONYX ONE: DATA, DETAILS, AND RELEVANCE TO YOUR CLINICAL PRACTICE (SPONSORED BY MEDTRONIC)
Onyx One: Data, Details, and Relevance to Your Clinical Practice (Sponsored by Medtronic)

THURSDAY, SEPTEMBER 26, 2019
11:30 AM - 12:30 PM
Presentation Theater 4

11:30 AM  Who is the High Bleeding Risk Patient
Presenter: Daniel I. Simon

11:40 AM  Why Onyx One
Presenter: Ajay J. Kirtane

11:50 AM  Onyx One: Results and Implications
Presenter: Azeem Latib

12:05 PM  Two Case Presentations Highlighting Relevant Patients
Presenter: David E. Kandzari

12:15 PM  The Future in Managing Patients at High Bleeding Risk
Presenter: Elvin Kedhi

12:20 PM  Panel Discussion and Audience Questions

SIMPLIFYING COMPLEX PCI GUIDED BY A SECOND-GENERATION FIBER-OPTIC PHYSIOLOGY GUIDEWIRE (SPONSORED BY OPSENS MEDICAL)

Simplifying Complex PCI Guided by a Second-Generation Fiber-Optic Physiology Guidewire (Sponsored by Opsens Medical)

THURSDAY, SEPTEMBER 26, 2019
11:30 AM - 12:30 PM
Presentation Theater 3

11:30 AM  Welcome
Presenter: Morton J. Kern

11:40 AM  Coronary Physiology Has Evolved: Where Is It Going
Presenter: Ziad A. Ali

11:50 AM  Too Many Indices How to Keep It Simple

TRANSCATHETER TRICUSPID VALVE INTERVENTIONS (SPONSORED BY CRF; SUPPORTED BY EDWARDS LIFESCIENCES)

Transcatheter Tricuspid Valve Interventions (Sponsored by CRF; Supported by Edwards Lifesciences)

THURSDAY, SEPTEMBER 26, 2019
11:30 AM - 12:30 PM
Presentation Theater 1

A PARADIGM SHIFT IN TREATING AS: WHAT IS ACCEPTABLE TODAY WILL BE CHALLENGED TOMORROW (SPONSORED BY CRF; SUPPORTED BY EDWARDS LIFESCIENCES)
A Paradigm Shift in Treating AS: What Is Acceptable Today Will Be Challenged Tomorrow (Sponsored by CRF; Supported by Edwards Lifesciences)

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

1:00 PM A Paradigm Shift in Treating AS: What Is Acceptable Today Will Be Challenged Tomorrow
Faculty: Megan Coylewright, Philippe Genereux, Linda D. Gillam, Sandra Lauck, Tamim M. Nazif, Amisha Patel
Chairs: Martin B. Leon, Vinod H. Thourani

1:00 PM PARTNER 3 Changes Everything Implications of TAVR as a First Choice Therapy for Aortic Stenosis
1:00 PM Case Presentation: Low Risk AS
Case Presenter: Amisha Patel
1:05 PM Discussion: TAVR vs. Surgery
Discussant: Megan Coylewright

Lecturer: Philippe Genereux

1:25 PM Panel Discussion
1:30 PM The Vancouver 3M Pathway: Data Review Practical Implementation and the Importance of Patient Centric Decision Making
Lecturer: Sandra Lauck

1:40 PM Panel Discussion
1:45 PM Optimizing TAVR Technology: TAVR Case Video and Early Clinical Impressions
Lecturer: Tamim M. Nazif

1:55 PM Panel Discussion

TAILORING TRANSCATHETER MITRAL SOLUTIONS FOR PATIENTS WITH MITRAL REGURGITATION (SPONSORED BY ABBOTT)

Compelling Cases With Orsiro: Delivering Evidence (Sponsored by Biotronik AG)

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

1:00 PM Compelling Cases With Orsiro: Delivering Evidence
Faculty: Juan F. Iglesias, Farouc A. Jaffer, Steven J. Yakubov
Chairs: James B. Hermiller Jr

1:00 PM Delivering Evidence
Presenter: James B. Hermiller Jr

1:12 PM Discussion and Audience Interaction
Discussant: James B. Hermiller Jr, Juan Fernando Iglesias, Farouc A. Jaffer, Steven J. Yakubov

1:17 PM First Experience With FDA Approved Orsiro in the USA
Presenter: Farouc A. Jaffer

1:25 PM Discussion and Audience Interaction
Discussant: James B. Hermiller Jr, Juan Fernando Iglesias, Farouc A. Jaffer, Steven J. Yakubov

1:30 PM A Personal Perspective: Why I Choose Orsiro in STEMI
Presenter: Juan Fernando Iglesias

1:38 PM Discussion and Audience Interaction
Discussant: James B. Hermiller Jr, Juan Fernando Iglesias, Farouc A. Jaffer, Steven J. Yakubov

1:43 PM Ultrathin Orsiro: Where It Can Go
Presenter: Steven J. Yakubov

1:51 PM Discussion and Audience Interaction
Discussant: James B. Hermiller Jr, Juan Fernando Iglesias, Farouc A. Jaffer, Steven J. Yakubov

1:56 PM Session Evaluation and Key Learnings
Presenter: James B. Hermiller Jr
TRANSFORMING DCB STRATEGY: SIROLIMUS-COATED BALLOON WITH NANOLUTE TECHNOLOGY (SPONSORED BY CONCEPT MEDICAL, INC.)

THURSDAY, SEPTEMBER 26, 2019
1:00 PM - 2:00 PM
Transforming DCB Strategy: Sirolimus-Coated Balloon With Nanolute Technology
Faculty: Alexandre Abizaid, Sandeep Basavarajaiah, Ori Ben-Yehuda, Bernardo Cortese, Aloke Finn, Ajay J. Kirtane, Azeem Latib
Chairs: Martin B. Leon, Shigeru Saito

1:00 PM Concept of MagicTouch
Presenter: Ajay J. Kirtane

1:08 PM Why SEB Should Be Safer: Insights From Preclinical Study
Presenter: Aloke Finn

1:16 PM First in Man: Brazil ISR Experience With Angiographic and IVUS Results
Presenter: Alexandre Abizaid

1:24 PM MagicTouch Real World Experience

1:24 PM Real World Data From EASTBOURNE to TRANSFORM Trials
Presenter: Bernardo Cortese

1:32 PM Use of Sirolimus Coated Balloon MagicTouch in Coronary Intervention: Data and Case Examples From a Real World Population
Presenter: Sandeep Basavarajaiah

1:40 PM FDA Pivotal Clinical Trial Design and Beyond
Presenter: Ori Ben-Yehuda

1:48 PM Panel Discussion and Audience Interaction

TWILIGHT AT TWILIGHT: ASSESSING THE ROLE OF MONOTHERAPY VS. DUAL THERAPY — EXAMINING CURRENT DATA (SPONSORED BY CRF; SUPPORTED BY ASTRAZENECA)

TWILIGHT at Twilight: Assessing the Role of Monotherapy vs. Dual Therapy — Examining Current Data (Sponsored by CRF; Supported by AstraZeneca)

Coronary: Core

THURSDAY, SEPTEMBER 26, 2019
6:00 PM - 8:00 PM
Yerba Buena Ballroom 9

6:00 PM - 6:30 PM
Check In & Reception

1:00 PM Concept of MagicTouch
Presenter: Ajay J. Kirtane

1:08 PM Why SEB Should Be Safer: Insights From Preclinical Study
Presenter: Aloke Finn

1:16 PM First in Man: Brazil ISR Experience With Angiographic and IVUS Results
Presenter: Alexandre Abizaid

1:24 PM MagicTouch Real World Experience

1:24 PM Real World Data From EASTBOURNE to TRANSFORM Trials
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1:32 PM Use of Sirolimus Coated Balloon MagicTouch in Coronary Intervention: Data and Case Examples From a Real World Population
Presenter: Sandeep Basavarajaiah

1:40 PM FDA Pivotal Clinical Trial Design and Beyond
Presenter: Ori Ben-Yehuda

1:48 PM Panel Discussion and Audience Interaction

ADVANCED DIAGNOSTIC INSIGHT, PRECISE PATIENT CARE (SPONSORED BY HEARTFLOW, INC.)

Advanced Diagnostic Insight, Precise Patient Care (Sponsored by HeartFlow, Inc.)

THURSDAY, SEPTEMBER 26, 2019
6:00 PM - 8:00 PM
Yerba Buena Ballroom 7
6:30 PM - 8:00 PM
Assessing the Role of Monotherapy vs. Dual Therapy
Faculty: Dominick J. Angiolillo, Usman Baber, Marc Bonaca, David J. Cohen, Kurt Huber, Shamir R. Mehta, David J. Moliterno, Sunil V. Rao, Marco Valgimigli, Pascal Vranckx
Chairs: C. Michael Gibson, Roxana Mehran

6:30 PM Welcome and Introductions
Lecturer: C. Michael Gibson, Roxana Mehran

6:32 PM TWILIGHT: A Deep Dive
Lecturer: Usman Baber

6:47 PM Transitioning to Monotherapy in Patients After PCI
Lecturer: Pascal Vranckx

6:55 PM Reconciling Adjudicated Data Within a Global Trial
Lecturer: Marco Valgimigli

7:03 PM Take Home for Clinicians
Lecturer: C. Michael Gibson

7:11 PM The Role of Antiplatelet Agents in Patients With Diabetes and Coronary Disease
Lecturer: Marc Bonaca

7:19 PM COMPLETE Trial: Focus on STEMI and MVD
Lecturer: Shamir R. Mehta

7:27 PM Take Home for Clinicians: DM and STEMI
Lecturer: Dominick J. Angiolillo

7:35 PM Panel Discussion: Assessing the Role of Potent P2Y12 Inhibition
Lecturer: C. Michael Gibson

7:50 PM Final Words
Lecturer: Roxana Mehran

8:00 PM Adjourn

THE TEAM APPROACH TO CARDIAC ARREST (SPONSORED BY TANDEMLIFE AND LIVANOVA)

6:00 PM - 8:00 PM
Yerba Buena Ballroom 8

6:00 PM - 6:30 PM
Check-in & reception
Faculty: David A. Baran, Karl Kern, Ashish Pershad, Danny Ramzy
Chairs: Kapiledeo Lotun

6:30 PM - 8:00 PM
The Team Approach to Cardiac Arrest

6:30 PM Trends and Changes in Cardiac Resuscitation
Presenter: Karl Kern

9:15 AM - 10:45 AM
Coronary I
Discussant: Ronald Caputo, Christos Christou, Jorge Cortes Lawrenz, Sung-Han Yoon, Jennifer Yu

9:15 AM TCT 1015: Challenging LM CX Wiring and Rotablation
Presenting Author: Zisis Dimitriadis

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 Jee-Young Chung

9:15 AM TCT 1002: Successful percutaneous coronary intervention for severe calcified and tortuous functional chronic total occlusion lesionusing a novel 0.03 inch semi compliant balloon and rotational atherecomy
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 atherecomy ina 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 atherecomy for severely tortuous and calcified lesion wit double courves in the left circumflex artery using a 5F child catheter.
9:15 AM - 10:45 AM

TCT 1007: USE OF NOVEL HIGH PRESSURE NC BALLOON FOR CALCIFIC LESIONS
Presenting Author: Ryo Oyama

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: Sudhir Rathore

TCT 1011: Stentablation as a bail out for severe underexpansion of stent due to circumferential calcium
Presenting Author: Pratap Kumar

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

TCT 1466: PERCUTANEOUS RETRIEVAL OF A LOST COVERED STENT IN THE LEFT MAIN STEM AND SUCCESSFUL TREATMENT OF A CORONARY ARTERY PERFORATION
Presenting Author: Niall T. Mulvihill

TCT 1323: A rare case of profound isolated thrombocytopenia early after complex PCI on right and left main coronary artery.
Presenting Author: Roberta Rossini

9:15 AM - 10:45 AM
Coronary II
Discussant: Alejandro Goldsmit, James A. Goldstein, Vivek Gupta, Tarek Helmy, Nickolas Nodar Kipishidze, Nick Lakkis

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

TCT 1017: Acute instent 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 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 pulmonaryvasculature in unstable angina. 1 year follow up.
Presenting Author: Bartłomiej Guzik

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

9:15 AM - 10:45 AM
Coronary III
Discussant: Randall J. Lee, Hung Q. Ly, Sandeep Nathan, Marin Postu, Kintur A. Sanghvi, Michael P. Savage, Sayan Sen

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 coronaryangiography: arare case of Kounis syndrome.
Presenting Author: Francisco Javier Lacunza

9:15 AM - 10:45 AM

TCT 1027: PATCHING WIRE FRACTURES
Presenting Author: GAGAN JAIN

TCT 1028: From spontaneous to iatrogenic coronary artery dissections
Presenting Author: Fabio Ferrari

TCT 1029: CoronaryArteryHematomaTreated withFenestrationby Using a Wolverine Cutting Balloon
Presenting Author: Kanichi Otowa

TCT 1030: Burrs balloons and happy ends
Presenting Author: Amr Eforamawy

TCT 1031: Challenging Revascularisation of A Subtotal Stenosis The Left CircumflexArteryUsing 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: SELUTION SLR 014 DEB: A novel sirolimus eluting balloon with sustained relase offering a viable option for treating small to very small sidebranches: A successful case treating the 1st Diagonal.
Presenting Author: SHIRISH HIREMATH

TCT 1034: SELUTION 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: Nagendra Singh Chouhan

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: Litle Hou

TCT 1038: Retrograde Recanalization of Ostial Right Coronary Artery Chronic Total Occlusion via Occluded Vein Graft
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: Martin Andreas

9:15 AM - TCT 1046: Tricento transcatheter heart valve for severe tricuspid regurgitation.
Presenting Author: Aloide Chieffo

9:15 AM - TCT 1058: Aortic valve in valve a challenging case
Presenting Author: Manik Chopra

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: Atul Chugh

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

9:15 AM - TCT 1051: Left atrial appendage closure in a patient with cor triatrum
Presenting Author: Jorge Palazuelos

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

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 1040: Varying results of intervention in transplant renal artery stenosis
Presenting Author: Martin Andreas

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

9:15 AM - TCT 1049: Rescue 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 1060: Snuffbox approach for aortic stenosis
Presenting Author: Carlo Tumsitz

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

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: Utilizing a Goose Neck Snare to Direct a Valve in Valve TAVR
Presenting Author: David G. Rizik

9:15 AM - TCT 1067: Implantation of 29mm Edwards Sapien 3 valve inside 26mm Sapien 3 valve to treat severe paravalvular leak

9:15 AM - TCT 1068: Total Bilateral Coronary Artery Occlusion: Impella to the Rescue
Presenting Author: Enrique Campos
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Title</th>
<th>Presenting Author</th>
</tr>
</thead>
<tbody>
<tr>
<td>2:00 PM</td>
<td>Coronary IV</td>
<td>TCT 1068: SSO2 Therapy STEMI Case Studies</td>
<td>Amir Lotfi</td>
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<tr>
<td>2:00 PM</td>
<td>Coronary IV</td>
<td>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</td>
<td>Bibhash R Nath</td>
</tr>
<tr>
<td>2:00 PM</td>
<td>Coronary IV</td>
<td>TCT 1070: Which way is the right one</td>
<td>David Baghdasaryy</td>
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<tr>
<td>2:00 PM</td>
<td>Coronary IV</td>
<td>TCT 1071: Post MI Ventricular Septal Rupture DEVICE CLOSURE</td>
<td>Ramakrishna Chengela Damodara</td>
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<td>2:00 PM</td>
<td>Coronary IV</td>
<td>TCT 1073: Cardiogenic shock after primary PCI</td>
<td>GOUTAM DATTA</td>
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<tr>
<td>2:00 PM</td>
<td>Coronary IV</td>
<td>TCT 1074: Left main coronary artery thrombosis with acute global myocardial ischemia: a challenge in patient management</td>
<td>Guenther Klappacher</td>
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<td>2:00 PM</td>
<td>Coronary IV</td>
<td>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</td>
<td>Hung Ngo</td>
</tr>
<tr>
<td>2:00 PM</td>
<td>Coronary IV</td>
<td>TCT 1076: Salvage of Simultaneous Acute Coronary Closure and Access Bleeding Using Veno Arterial Extracorporeal Membrane Oxygenation and Chronic Total Occlusion Percutaneous Coronary Intervention Techniques in a Patient With ST Segment Elevation Myocardial Infarction</td>
<td>Josif Xenogiannis</td>
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<tr>
<td>2:00 PM</td>
<td>Coronary IV</td>
<td>TCT 1077: Successful Coronary Intervention for An Acute Myocardial Infarction as a Result of Spontaneous Left Main Coronary Artery Dissection</td>
<td>Ji Su Mok</td>
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<tr>
<td>2:00 PM</td>
<td>Coronary IV</td>
<td>TCT 1078: Left Main V Stenting during Primary PTCA</td>
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<td>2:00 PM</td>
<td>Coronary V</td>
<td>TCT 1079: Gadolinium based coronary angiography in a patient with prior known anaphylaxis to iodine based dye.</td>
<td>Rahul Vasudev</td>
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<tr>
<td>2:00 PM</td>
<td>Coronary V</td>
<td>TCT 1080: When aspirin may be a bridge in patients undergoing non cardiac surgery.</td>
<td>Roberto Rossini</td>
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<tr>
<td>2:00 PM</td>
<td>Coronary V</td>
<td>TCT 1081: Looking into the Future: Optical Coherence Tomography for the Assessment of Cardiac Allograft Vasculopathy</td>
<td>Amit Alam</td>
</tr>
<tr>
<td>2:00 PM</td>
<td>Coronary V</td>
<td>TCT 1082: Epicardial coronary spasm due to endothelial dysfunction after spontaneous coronary artery dissection</td>
<td>Valerie E. Stegehuis</td>
</tr>
</tbody>
</table>
TCT 1093: Double trouble: a dramatic case with a fortunate ending  
Presenting Author: Joel Monteiro

TCT 1094: Peripartum Cardiomyopathy: An Ominous New Beginning  
 Presenting Author: Karim Abdur Rahman

TCT 1095: Successful Treatment of the Left Main Coronary Artery with Impella CP Circulatory Mechanical Support and Rotational Atherectomy: When Optical Coherence Tomography Changes the Strategy  
Presenting Author: Luis Augusto Palma Dallan

TCT 1096: Percutaneous Transcatheter Closure of a Large SVG Aneurysm with Amplatzer Vascular Plug  
Presenting Author: Cihan Cevik

TCT 1097: Unexplained Vascular Anomaly Arising from a Left Internal Mammary Artery Graft  
Presenting Author: Joel Lardizabal

Coronary VI
Discussant: Dmitry P. Stolyarov, Nadia R. Sutton, Ernesto M. Torresani, Freek Verheugt, George J. Vlachoianis, Zhao Wang, Mark W. I. Webster, Hadley Wilson, Junqin Yang, Wei-Hsian Yin, Alexandre C. Zago

TCT 1098: Two culprit vessels a case of primary PCI in STEMI  
Presenting Author: Li ZHOU

TCT 1100: Ultrasound guided vascular access  
Presenting Author: Ahmed Amro

TCT 1101: Use of VCD for Faster and Safer Ambulation: A Case  
Presenting Author: KMK Reddy

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.  
Presenting Author: TAHA AHMED

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  
Presenting Author: Seung Uk Lee

TCT 1105: Radial Access and CHIP Are They Compatible  
Presenting Author: Shahefa Nasrin

TCT 1106: Extracorporeal Membrane Oxygenation Assisted Left Main Percutaneous Coronary Intervention in a High risk patient  
Presenting Author: Shahrkh Hashmani

TCT 1107: Intervention of Hemodynamically significant stenosis of a diffusely diseased coronary artery not amenable to bypass surgery  
Presenting Author: Shareez Peerbhai, MD

TCT 1108: IVUS and Calciﬁcation Guided PCI With Minimal Contrast For LMT and LAD Lesions  
Presenting Author: Shinichiro Yamada

TCT 1110: Complete revascularization with three PCI sessions could bail the patient out of critical situation The case report

Endovascular II
Discussant: Abdullah Shehab, Joao Brum Silveira, Ramesh Singh, Bradley H. Strauss, Holger Thiele, Daniela Trabattoni, Yasunori Ueda, Glenn Van Langenhove

TCT 1103: Iliopsoas muscle pseudoaneurysm following Impella supported left main PCI in patient with cardiogenic shock  
Presenting Author: Zoran Lasic

TCT 1106: When all hope vanishes an archaic procedure revisited  
Presenting Author: Abraham Paul

TCT 1107: 3D fusion guided endovascular repair of iatrogenic common iliac artery aneurysm  
Presenting Author: Anton Khilchuk

TCT 1118: TRANSCATHETER DEVICE CLOSURE OF LARGE SINUS OF VALSALVA ANEURYSM WITH STORMY POSTOPERATIVE PERIOD.  
Presenting Author: ATUL PATIL

TCT 1119: Percutaneous Revasculization of occluded abdominal aorta and bilateral iliac disease.  
Presenting Author: Christos Christou

TCT 1170: VANISHING GRADIENTS AN UNUSUAL CASE OF TEVAR IN A YOUNG MALE WITH COARCTATION OF AORTA WITH THORACIC SACULAR ANEURYSM WITH HIFREF.  
Presenting Author: DHEERAJ GANDOTRA

TCT 1171: TAVI and double TEVAR for aortic aneurism and type A aortic dissection: case management and 18 month clinical and imaging follow up  
Presenting Author: Gabriele Pesarini

TCT 1172: Traumatic aortic pseudoaneurysm intervention with an endovascular graft Should we or should we not  
Presenting Author: GURBHEI SINGH

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: ANKIT GUPTA

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

TCT 1175: Endovascular repair of tandem saccular abdominal aortic aneurysmsm with fenestrated endografts amp treatment of complications at follow up.
Coronary VII

2:00 PM
TCT 1176: Longitudinal stent compression of proximal RCA
Presenting Author: Davide Sala

2:00 PM
TCT 1123: Making a brand new start of the last occluded artery
Presenting Author: Dmitriy Ognerubov

2:00 PM
TCT 1087: A Case of Stent Deployment into an Iatrogenic Dissection
Presenting Author: Fábio Augusto Pinton

2:00 PM
TCT 1115: Between a rock and a hard place
Presenting Author: SOUMEN CHAKRABORTY

2:00 PM
TCT 1141: A Case of Stent Deployment into an Iatrogenic Dissection
Presenting Author: Cristiano Gimenes

2:00 PM
TCT 1159: Bail Out of a Disaster by a Broken Stent Delivery Catheter
Presenting Author: Subramanya Upadhyaya

2:00 PM
TCT 1114: Primary PCI with a secondary shock...always expect the unexpected.
Presenting Author: Soumen Chakraborty

2:00 PM
TCT 1112: Primary PCI with a secondary shock...always expect the unexpected.
Presenting Author: Soumen Chakraborty

2:00 PM
TCT 1140: Nightmare Never Comes Alone
Presenting Author: Mengzhe Wang

2:00 PM
TCT 1137: 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: Bhavidra Ramkumar

2:00 PM
TCT 1135: Making a brand new start of the last occluded artery
Presenting Author: Dmitriy Ognerubov

2:00 PM
TCT 1129: 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: Fábio Augusto Pinton

2:00 PM
TCT 1138: Between a rock and a hard place
Presenting Author: Soumen Chakraborty

2:00 PM
TCT 1131: Bail Out of a Disaster by a Broken Stent Delivery Catheter
Presenting Author: Subramanya Upadhyaya

2:00 PM
TCT 1128: 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: Bhavidra Ramkumar

2:00 PM
TCT 1156: 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: Fábio Augusto Pinton

2:00 PM
TCT 1134: A Stubborn Undilatable CTO
Presenting Author: Subramanya Upadhyaya

2:00 PM
TCT 1120: A Stubborn Undilatable CTO
Presenting Author: Subramanya Upadhyaya

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TCT 1158: A Stubborn Undilatable CTO
Presenting Author: Subramanya Upadhyaya

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TCT 1139: A Stubborn Undilatable CTO
Presenting Author: Subramanya Upadhyaya

2:00 PM
TCT 1157: A Stubborn Undilatable CTO
Presenting Author: Subramanya Upadhyaya

2:00 PM
TCT 1113: Bail Out of a Disaster by a Broken Stent Delivery Catheter
Presenting Author: Subramanya Upadhyaya

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TCT 1112: Primary PCI with a secondary shock...always expect the unexpected.
Presenting Author: Soumen Chakraborty

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TCT 1135: Bail Out of a Disaster by a Broken Stent Delivery Catheter
Presenting Author: Subramanya Upadhyaya

2:00 PM
TCT 1128: Longitudinal stent compression of proximal RCA
Presenting Author: Dhinesh David

2:00 PM
TCT 1127: Making a brand new start of the last occluded artery
Presenting Author: Dmitriy Ognerubov

2:00 PM
TCT 1126: Longitudinal stent compression of proximal RCA
Presenting Author: Dhinesh David

2:00 PM
TCT 1125: Longitudinal stent compression of proximal RCA
Presenting Author: Dhinesh David

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TCT 1124: Longitudinal stent compression of proximal RCA
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TCT 1123: Longitudinal stent compression of proximal RCA
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TCT 1122: Longitudinal stent compression of proximal RCA
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TCT 1119: Longitudinal stent compression of proximal RCA
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TCT 1111: Longitudinal stent compression of proximal RCA
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TCT 1110: Longitudinal stent compression of proximal RCA
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TCT 1102: Longitudinal stent compression of proximal RCA
Presenting Author: Dhinesh David

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TCT 1101: Longitudinal stent compression of proximal RCA
Presenting Author: Dhinesh David

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TCT 1098: Longitudinal stent compression of proximal RCA
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TCT 1097: Longitudinal stent compression of proximal RCA
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TCT 1092: Longitudinal stent compression of proximal RCA
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TCT 1090: Longitudinal stent compression of proximal RCA
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TCT 1089: Longitudinal stent compression of proximal RCA
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TCT 1088: Longitudinal stent compression of proximal RCA
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TCT 1087: Longitudinal stent compression of proximal RCA
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TCT 1086: Longitudinal stent compression of proximal RCA
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TCT 1085: Longitudinal stent compression of proximal RCA
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TCT 1084: Longitudinal stent compression of proximal RCA
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TCT 1083: Longitudinal stent compression of proximal RCA
Presenting Author: Dhinesh David

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TCT 1082: Longitudinal stent compression of proximal RCA
Presenting Author: Dhinesh David

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TCT 1081: Longitudinal stent compression of proximal RCA
Presenting Author: Dhinesh David
TCT 1144: Involuntary Gendaroplasticity during calcific LAD PCI resulting in Intramural Hematoma of trifurcated Left Main
Presenting Author: Francesco Lavara

TCT 1146: A novel approach for percutaneous retrieval of entrapped broken balloon catheter
Presenting Author: Gelli 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 Rina Artha

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 Occlusions Followed Percutaneous Coronary Intervention Complicated by Isolated Right Ventricular InfarctLeading toRight Ventricular Failure amp Cardiogenic Shock that was Rescued with Temporary RVAD Support
Presenting Author: Isaac Tea

TCT 1154: SVG aneurysm
Presenting Author: Itshac Itsik Ben-dor

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

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

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

TCT 1162: Restoring valve competency with mechanical thrombectomy for deep vein thrombosis
Presenting Author: Thomas M. Tu

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

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

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 1170: Ad Hoc Retrograde LAD CTO Bifurcation Revascularization in a Patient with NSTEMI
Presenting Author: Anna Subramaniam

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

TCT 1056: Valve in Valve with Allegra Device and Left Main Stent: To Deliver or Not to Deliver.
Presenting Author: Ariana González

TCT 1180: Successful intracoronary lithotripsy and balloon aortic valvuloplasty through left trans unlar access in a low EF patient with severe aortic stenosis
Presenting Author: Konstantinos Kalogeris

TCT 1181: Veno arterial pulmonary connection as an alternative to veno arterial venous connection in cases with North South Syndrome and right ventricular failure on veno arterial ECMO
Presenting Author: Stephen Wilkinson

TCT 1182: FROM WEANING TO WINNING
Presenting Author: MARIA MONTEAGUDO VELA

TCT 1183: External Compression of an LVAD Outflow Graft: Percutaneous Management
Presenting Author: David Cohen

TCT 1184: Persistence and distortion of electrical activity in the left atrial appendage five years after endovascular occlusion
2:00 PM TCT 1185: Percutaneous management of incomplete surgical left atrial appendage closure. Definition of incomplete surgical closure Risk Management Percutaneous Closure If High Bleeding Risk. How to select the appropriate Percutaneous closure device post incomplete surgical ligation.
Presenting Author: Safwan Kassas

2:00 PM TCT 1186: Parallel balloon assisted tracking technique to overcome a severe calcified and tortuous aortic arch during Evolut R implantation
Presenting Author: Juan M. Valle Raleigh

2:00 PM TCT 1187: Successful bailout of ventricular septal defect after transcatheter aortic valve implantation by a second prosthesis valve implantation
Presenting Author: Kazumasa Yamasaki

2:00 PM TCT 1188: A case of TAVR for the patient with low flow low gradient severe AS severe MR and two vessel chronic total occlusion lesion
Presenting Author: Kazuya Sasaki

2:00 PM TCT 1189: The Use of TAVR in TAVR Upsizing for Bioprosthetic Valve Stenosis in a High Risk Patient
Presenting Author: Marc Gerdisch

2:00 PM TCT 1190: Successful transcatheter aortic valve implantation in a patient with bicuspid aortic valve with the large annulus and severe left ventricular systolic dysfunction.
Presenting Author: Kiwamu Kamiya

2:00 PM TCT 1191: Shall I deploy the stent
Presenting Author: KL Chui

2:00 PM TCT 1192: When the Valve Folds In Instead of Popping Out: A Challenging TAVR Implant
Presenting Author: Laurie Bossey

2:00 PM TCT 1193: Old meets new Valve in valve TAVI for the Enable Valve
Presenting Author: Magdalena Bryndza

2:00 PM TCT 1194: Antegrade transvenous transseptal wiring of a degenerated Mitroflow bioprosthesis which could not be crossed retrogradely for Valve in Valve procedure.
Presenting Author: Magdalena Cuman

2:00 PM - 3:30 PM Structural IV

2:00 PM TCT 1049: Valve in Ring Transcatheter Heart Valve Implantation for Severe Tricuspid Regurgitation.
Presenting Author: Leigh Cummins

2:00 PM TCT 1195: Concomitant Transcatheter Aortic Valve Replacement and Left Main Coronary Intervention in the Era of Mechanical Support
Presenting Author: Majid Asawaeer

2:00 PM TCT 1196: Use of an Arteriovenous Loop to Facilitate Transcatheter Aortic Valve Alignment in a Patient with Giant Ascending Aortic Aneurysm.
Presenting Author: Marco Hernández Enriquez

POSTER ABSTRACTS I

Poster Abstracts I
Coronary: CHIPCoronary: CoreVascularStructural: ValveStructural: Non-Valve

THURSDAY, SEPTEMBER 26, 2019
9:15 AM – 10:45 AM
Hall D
9:15 am - 10:45 am
Coronary I

9:15 am
TCT 850: Nonagenarians and Myocardial Infarction with ST Elevation: Incidence Management and Outcomes.
Presenting Author: Eduardo Flores

9:15 am
TCT 851: Assessment of radial artery perforation after transradial coronary intervention by optical coherence tomography
Presenting Author: Kuniaki Takahashi

9:15 am
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
Presenting Author: Sida Jia

9:15 am
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
Presenting Author: Young-Hyo Lim

9:15 am
TCT 854: Impact of high sensitivity C reactive protein on disease severity and long term outcomes in patients with acute coronary syndromes
Presenting Author: Yue Liu

9:15 am
TCT 855: In Hospital Outcomes of Acute Coronary Syndrome in Patients With and Without Polysubstance Abuse
Presenting Author: Vishnu Priya Mallipeddi

9:15 am - 10:45 am
Coronary II
Discussant: Tiziana Claudia Aranzulla, Sukhdeep Singh Basra, Otavio Berwanger, Patricia J. Best, Prathap Kumar

9:15 am
TCT 856: Using Artificial Intelligence to Match Culprit Lesions in Acute Coronary Syndrome with Turbulent Flow Caused by Collision of Antegrade and Retrograde Coronary Flow
Presenting Author: Khoa Nguyen Dong Le

9:15 am
TCT 857: Interaction between choice of anticoagulation antplatelet therapy and access site on mortality and bleeding after percutaneous coronary intervention: Insights from the Kaiser Permanente PCI Registry.
Presenting Author: femi philip

9:15 am
TCT 858: Post Cardiac Arrest Syndrome PCAS Feasibility Study. Impact of Multi Organ Failure After Out of Hospital Cardiac Arrest on Early Prognosis.
Presenting Author: Katarzyna Czerwinska-Jelonkiewicz

9:15 am
TCT 860: A Retrospective Cohort Study Comparing Longterm Outcomes of Provisonal Stenting Versus Double Stent Strategy for True Bifurcation Lesions and Outcomes of Side Branch CompromiseStent Jail Related to Main Vessel Stenting.
Presenting Author: Chakradhar Pedada

9:15 am
Presenting Author: Hamza Ansari

9:15 am
TCT 862: Adjunctive Coronary Calcium Modification: The Bournemouth Experience of Shockwave Intravascular Lithotripsy.
Presenting Author: Arvindra Krishnamurthy

9:15 am
Presenting Author: Yutaka Tanaka

9:15 am
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
Presenting Author: HASSAN ALKHAWAM

9:15 am
TCT 865: The Incidence of Paradoxical Septal Motion After Robotic versus Non Robotic Coronary Artery Bypass Graft Surgery.
Presenting Author: Shunshuke Aoi

9:15 am
TCT 866: A Meta analysis of Percutaneous Coronary Intervention in Small Vessel Coronary Artery Disease using Drug coated Balloon DCB versus Drug eluting stent DES
Presenting Author: Kifah Hussain

9:15 am
TCT 867: Comparison of prognosis between drug coated balloonDCB and drug eluting stentDES for small vessel lesions
Presenting Author: Toshihiko Kishida

9:15 am - 10:45 am
Coronary IV
Discussant: Donald Cutlip, Debabrata Dash, Rajesh M. Dave, Steffen Desch, Hosam Hasan, Angela Ho ye, John J. Lopez, Jamil Abdalla Saad

9:15 am
TCT 868: Long term clinical outcomes for all comer denovo coronary artery lesions treated with paclitaxel coated balloons.
Presenting Author: Nhung Nguyen Nguyen

9:15 am
TCT 869: Arterial Response to Drug Coated Balloon in Acute Coronary Syndrome: Insights From Serial Angiographic and Optical Frequency Domain Imaging Analysis
Presenting Author: Kota Nishida

9:15 am
TCT 870: Predictors of in hospital Mortality Among Patients with Cardiogenic Shock Treated with Extracorporeal Membrane Oxygenation ECMO The United States Experience 2007 - 2014
Presenting Author: Samson Alliu

9:15 am
TCT 872: A Single Center Experience with the Tandem ProtekDuo Device for Right Ventricular Failure Leading to Cardiogenic Shock
Presenting Author: brian butera

9:15 am
TCT 873: Manual Hemostasis of Percutaneous Axillary Artery Access following Intra Aortic Balloon Pump IABP Insertion
Presenting Author: Michael Divita

9:15 am - 10:45 am
Coronary V
Discussant: Ranil De Silva, Walter Desmet, Nabil Dib, Amir Lerman, Philip A. MacCarthy, Ayman Abou El Magd, Julian Strange

9:15 am
TCT 864: The Outcomes of Percutaneous Coronary Intervention and Coronary Artery Bypass Graft Surgery.
Presenting Author: Eduardo Flores

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TCT 865: Nonagenarians and Myocardial Infarction with ST Elevation: Incidence Management and Outcomes.
Presenting Author: Prathap Kumar

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9:15 am - 10:45 am
Coronary III
9:15 am - 10:45 am
Coronary VII
Discussant: Ariel Duran, Vladimir Dzavik, Ahmed Elghamaz, Michael C. Kim, Heitor Medeiros, Marco G. Mennuni, Bilal S. Mohydin, Thomas Schmitz

9:15 am
TCT 874: Improving Outcomes in Women with Cardiogenic Shock: Results from the INOVA Shock Registry
Presenting Author: Kelly C. Epps

9:15 am
TCT 875: Potential Benefit of Early Impella support in Acute Myocardial Infarction complicated by Cardiogenic Shock
Presenting Author: Veemal Hemraj

9:15 am
TCT 876: De Ritis ratio are associated with death in the intensive care unit after cardiac arrest
Presenting Author: Zheng Ri Lu

9:15 am
TCT 877: Clinical indications of Impella short term mechanical circulatory support in a quaternary centre.
Presenting Author: MARIA MONTEAGUDO VELA

9:15 am
TCT 878: When in Shock is it Right to Catheterize the Right Trends of Right Heart Catheterization Utilization and Outcomes in Cases of Cardiogenic Shock Secondary to Acute Myocardial Infarction
Presenting Author: Armaghan Soomro

9:15 am
TCT 879: Transradial Coronary Angiography and Intervention in Acute Myocardial Infarction Complicated by Cardiogenic Shock: Insights from the INOVA SHOCK Registry
Presenting Author: Behnam Tehrani

9:15 am - 10:45 am
Coronary VI
Discussant: Jose Guillermo Dietz, Christophe Dubois, Yutaka Hikichi, Adam Janas, Bernardo Kremer Diniz Gonçalves, Bradley H. Strauss

9:15 am
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

9:15 am
TCT 881: Midkine as an early biomarker of contrast induced acute kidney injury in patients undergoing percutaneous coronary interventions for acute coronary syndrome
Presenting Author: Ahmed Mowafy

9:15 am
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

9:15 am
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

9:15 am
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

9:15 am
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

9:15 am
TCT 886: 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 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

9:15 am
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: Ashok Thakkar

9:15 am
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

9:15 am
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

9:15 am
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: Sridhar Kasturi

9:15 am
TCT 892: Safety and Performance of Everolimus eluting Stents Comprising of Biodegradable Polymers With Ultrathin Stent Platforms
Presenting Author: RAGHAVA SARMA POLAVARAPU

9:15 am
TCT 893: Relationship between prognosis of lower limbs and peripheral artery calcification among patients with peripheral artery disease.
Presenting Author: Tatsunori Noto

9:15 am - 10:45 am
Structural and Vascular I

9:15 am
TCT 894: Transcatheter Aortic Valve Replacement in Low risk Patients: a Meta analysis of Randomized Controlled Trials
Presenting Author: Ahmad Al-Abdouh

9:15 am
TCT 895: Quantification of True Lumen Helicity in Type B Dissections
Presenting Author: Johan Bondesson

9:15 am
TCT 896: The Late Response to Renal Denervation in Patients With Suspected Secondary Aldosteronism
Presenting Author: Ying-Hsiang Lee

9:15 am
TCT 897: 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 898: MicroNET Covered Self EXPandable STent in High Risk Vascular Lesions Beyond The cArotid bifurcation: TheEXTRA GUARD Study

9:15 am
TCT 899: Quantification of True Lumen Helicity in Type B Dissections
Presenting Author: Johan Bondesson

9:15 am
TCT 900: The Late Response to Renal Denervation in Patients With Suspected Secondary Aldosteronism
Presenting Author: Ying-Hsiang Lee

9:15 am
TCT 901: 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 902: MicroNET Covered Self EXPandable STent in High Risk Vascular Lesions Beyond The cArotid bifurcation: TheEXTRA GUARD Study
9:15 AM - 10:45 AM
Structural I
Discussant: John P. Breinholt, Jan Harnek, Massimo Napodano, Katia Orvin, Neal Sawlani, Ruth M. Starzyk

- 9:15 AM TCT 891: 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 Giff

- 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 Echocardiogram
  Presenting Author: Emrie Tomaiko

- 9:15 AM - 10:45 AM
Structural II
Discussant: Ramesh Adiraju, Matjaz Bunc, 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 EnergyLoss using Echocardiography
  Presenting Author: Mohammad Barakat

9:15 AM - 10:45 AM
Structural III
Discussant: Joseph A. Hill, Philip A. MacCarthy, Alexander Grigorievich Osiev, Bernhard Reimers, Daniel H. Steinberg, Eric Vang

- 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 IV
Discussant: Jonathon A. Leipsic, Hideta Nishina, Henrique B. Ribeiro, Alok Sharma

- 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 - 10:45 AM
Structural V
Discussant: François Dorval, Akchar

- 9:15 AM TCT 922: Improvement in pulmonary vascular resistance and haemodynamic markers of right ventricular function with balloon pulmonary angioplasty for residual CTEPH after pulmonary endarterectomy
  Presenting Author: Katherine Kearney

- 9:15 AM TCT 923: Balloon pulmonary angioplasty for patients with symptomatic chronic thromboembolic disease without pulmonary hypertension
  Presenting Author: Yoichiro Matsuoka

  Presenting Author: Jaroslaw Skowroński

NOW THAT I SEE IT, I KNOW HOW TO TREAT IT!: A HANDS-ON OCT SKILLS LAB
**LARGE-BORE ACCESS TO CLOSE: WHAT YOU WANT (AND NEED) TO KNOW**

**THURSDAY, SEPTEMBER 26, 2019**

12:00 PM - 1:30 PM

**Abbott Pavilion**

**12:00 PM - 12:20 PM**
**Introduction: Access Planning and Management of Complications Review**
Training Pavilion Faculty: Adhir Shroff, Rajeev Tayal

**12:20 PM - 1:30 PM**
**Hands-On Device Deployment**
Training Pavilion Faculty: Adhir Shroff, Rajeev Tayal

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**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

**Abbott Pavilion**

**2:00 PM - 2:20 PM**
**OCT: Now That I See It — Presentation**
Training Pavilion Faculty: Ziad A. Ali, Michael Chan, Bassem Chehab, Luis Augusto Dallan, Matheen Khuddus, Ethan C. Korngold, Emile Mehanna, Bimal Padaliya, Evan Shlofmitz, Catalin Toma

**2:20 PM - 3:30 PM**
**Hands-On Sessions**
Training Pavilion Faculty: Ziad A. Ali, Hiram G. Bezerra, Michael Chan, Bassem Chehab, Luis Augusto Dallan, Matheen Khuddus, Ethan C. Korngold, Emile Mehanna, Bimal Padaliya, Evan Shlofmitz, Catalin Toma

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**PHYSIOLOGY SIMPLIFIED: A HANDS-ON RFR SKILLS LAB**

**Physiology Simplified: A Hands-On RFR Skills Lab**

**Coronary: Core**

**THURSDAY, SEPTEMBER 26, 2019**

10:00 AM - 11:30 AM

**Abbott Pavilion**

**10:00 AM - 10:15 AM**
**Didactic Session**
Training Pavilion Faculty: Ziad A. Ali, Kevin J. Croce, Allen Jeremias, Vamsi Krishna, Eric Lindley, 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**
THE IMPACT OF DESIGN ON CORONARY GUIDEWIRE PERFORMANCE: A HANDS-ON EXPERIENCE

The Impact of Design on Coronary Guidewire Performance: A Hands-On Experience
Coronary: CHIP
Coronary: Core

THURSDAY, SEPTEMBER 26, 2019
4:00 pm - 5:30 pm
Abbott Pavilion

4:00 pm - 5:30 pm
The Impact of Design on Coronary Guidewire Performance: A Hands-On Experience
Training Pavilion Faculty: Andrea Gagnor, Elliott Michael Groves, Jack Hall, Robert F. Riley, Jason Wollmuth, Willis Wu

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
Coronary: Core

THURSDAY, SEPTEMBER 26, 2019
8:00 am - 9:30 am
Boston Scientific Pavilion

8:00 am - 9:30 am
Optimizing PCI: When to Use What in Coronary Physiology and Imaging - Case Review and Hands-On

ROTAPRO™ FOR PLAQUE MODIFICATION AND VESSEL PREP

ROTAPRO™ for Plaque Modification and Vessel Prep
Coronary: Core
Coronary: CHIP

THURSDAY, SEPTEMBER 26, 2019
10:00 am - 11:30 am
Boston Scientific Pavilion

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

CTO: TEACHING OLD DOGS NEW TECHNIQUES

CTO: Teaching Old Dogs New Techniques
Coronary: Core
Coronary: CHIP

THURSDAY, SEPTEMBER 26, 2019
12:00 pm - 1:30 pm
Boston Scientific Pavilion

12:00 pm - 1:30 pm
CTO: Teaching Old Dogs New Techniques
Training Pavilion Faculty: Taishi Hirai, Robert F. Riley, Anthony J. Spaedy

12:00 am: Introduction
12:05 am: CTO: Teaching Old Dogs New Techniques
STREAMLINING THE LAAC PATIENT EDUCATION CONVERSATION FOR ALLIED HEALTH PROVIDERS

Streamlining the LAAC Patient Education Conversation for Allied Health Providers
Structural: Non-Valve

THURSDAY, SEPTEMBER 26, 2019
2:00 pm - 3:30 pm
Boston Scientific Pavilion

2:00 pm - 3:30 pm
Streamlining the LAAC Patient Education Conversation for Allied Health Providers
Training Pavilion Faculty: Andrew Goodman, Elizabeth Willette

TAVR FOUNDATIONS FOR THE NEW-TO-TAVR IMPLANTER

TAVR Foundations for the New-to-TAVR Implanter
Structural: Valve

THURSDAY, SEPTEMBER 26, 2019
10:00 am - 11:30 am
Medtronic Pavilion

10:00 am - 11:30 am
TAVR Foundations for the New-to-TAVR Implanter
Training Pavilion Faculty: George S. Chrysant

10:00 am
Introduction
10:05 am
Product and Procedural Overview and Key Imaging Considerations
10:35 am
Rotation 1: Simulation and Imaging Hands On
11:00 am
Rotation 2: Simulation and Imaging Hands On
11:25 am
Adjourn

4:00 pm - 5:30 pm
Protected TAVR: An Interactive Experience with Sentinel Cerebral Protection System
Training Pavilion Faculty: James Harvey, Amar Krishnaswamy

4:00 pm
Introduction
4:05 pm
Product Data Overview and Case Reviews
4:45 pm
Hands On Rotations

SPYRAL HTN ON MED, -OFF MED, WHAT'S NEXT?

TAVR CLINIC FOUNDATIONS FOR VALVE PROGRAM COORDINATORS NEW TO TAVR
### CTO PCI: Case Reviews Focusing on Procedural Planning, Device Selection and Technical Approaches

**Coronary: CHIP**

**CRF Pavilion 1**

**THURSDAY, SEPTEMBER 26, 2019**

2:00 AM - 3:30 AM

CTO PCI: Case Reviews Focusing on Procedural Planning, Device Selection and Technical Approaches

Training Pavilion Faculty: Ravi Hira, Salvatore F. Mannino, Mitul Patel, SYED NADEEM RIZVI, Robert W. Yeh

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<tr>
<td>2:00 AM</td>
<td>Introduction</td>
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<td>2:05 AM</td>
<td>When is CTO PCI Indicated Case 1 Discussion</td>
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<td>2:20 AM</td>
<td>Optimizing the Impact of Imaging Lesion Assessment Case 2 Discussion</td>
</tr>
<tr>
<td>2:35 AM</td>
<td>Hands On with Medtronic Products</td>
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### Bifurcation PCI: A Step-by-Step Training Approach (Visible Heart)

**Coronary: Core**

**Medtronic Pavilion**

**THURSDAY, SEPTEMBER 26, 2019**

2:00 PM - 3:30 PM

Bifurcation PCI: A Step-by-Step Training Approach (Visible Heart)

Training Pavilion Faculty: Ricardo A. Costa, Bon-Kwon Koo, Jens Flensted Lassen, Goran Stankovic

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<tr>
<td>4:00 PM</td>
<td>Introduction</td>
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<td>4:05 PM</td>
<td>Bifurcation Techniques With Integrated Visible Heart Laboratories Footage</td>
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<tr>
<td>4:45 PM</td>
<td>Hands On Simulation</td>
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### Access and Closure for Large Bore Devices

**Structural: Valve**

**CRF Pavilion 1**

**THURSDAY, SEPTEMBER 26, 2019**

8:00 AM - 9:30 AM

Access and Closure for Large Bore Devices

Training Pavilion Faculty: Amir Kaki, Adhir Shroff, Rajeev Tayal

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<td>Introduction</td>
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<td>8:10 AM</td>
<td>Breakout Rotations</td>
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<td>Insertion with Impella Trainer</td>
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<td>Ultrasound Siemens</td>
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<td>8:10 AM</td>
<td>Closure Manta</td>
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### SUPPORT DEVICES FOR HIGH RISK PCI: LESSONS FROM TEACH

**Support Devices for High Risk PCI: Lessons from TEACH**

**Coronary: CHIP**

**THURSDAY, SEPTEMBER 26, 2019**

12:00 AM - 1:30 AM  
CRF Pavilion 1

12:00 AM  - 12:20 AM  
**Didactic Session**  
Training Pavilion Faculty: M Chadi Alraies, Hiram G. Bezerra, Rajan A. Patel

12:20 AM - 1:30 AM  
**Breakout Rotations**  
Training Pavilion Faculty: M Chadi Alraies, Hiram G. Bezerra, Rajan A. Patel

### SUPPORT DEVICES FOR CARDIOGENIC SHOCK: LESSONS FROM TEACH

**Support Devices for Cardiogenic Shock: Lessons from TEACH**

**Coronary: CHIP**

**THURSDAY, SEPTEMBER 26, 2019**

4:00 PM - 5:30 PM  
CRF Pavilion 1

12:00 AM  - 12:20 AM  
**Position Sim**  
CRF Pavilion 1

12:20 AM - 12:30 AM  
**HARVI App**  
CRF Pavilion 1

### SHOCK SYSTEMS OF CARE: BEST PRACTICES FROM INOVA AND THE NATIONAL CARDIOGENIC SHOCK INITIATIVE

**Shock Systems of Care: Best Practices From INOVA and the National Cardiogenic Shock Initiative**

**Coronary: CHIP**

**THURSDAY, SEPTEMBER 26, 2019**

2:00 PM - 3:30 PM  
CRF Pavilion 1

2:00 PM - 2:40 PM  
**Didactic Sessions**  
Training Pavilion Faculty: Mir Babar Basir, Michael J. Lim, Alexander George Truesdell

2:40 PM - 3:30 PM  
**Breakout Rotations**  
Training Pavilion Faculty: Mir Babar Basir, Michael J. Lim, Alexander George Truesdell

2:40 PM  - 3:40 PM  
**Position Sim**  
CRF Pavilion 1

2:40 PM - 3:40 PM  
**HARVI App**  
CRF Pavilion 1

### Access and Closure for Large Bore Devices

**Structural: Valve**

**Access Shockwave**

**Access and Closure for Large Bore Devices**

**THURSDAY, SEPTEMBER 26, 2019**

10:00 AM - 11:30 AM  
CRF Pavilion 1

10:00 AM - 10:10 AM  
**Introduction**  
Training Pavilion Faculty: Paul D. Mahoney, Adhir Shroff, Jason Wollmuth

10:10 AM - 11:30 AM  
**Breakout Rotations**  
Training Pavilion Faculty: Paul D. Mahoney, Adhir Shroff, Jason Wollmuth

10:10 AM  - 11:30 AM  
**Insertion with Impella Trainer**

10:10 AM  - 11:30 AM  
**Ultrasound Siemens**

10:10 AM  - 11:30 AM  
**Closure Manta**

10:10 AM  - 11:30 AM  
**Access Shockwave**
MULTIMODALITY IMAGING FOR TRANSSEPTAL CROSSING AND LAAC

MULTIMODALITY IMAGING FOR TRANSSEPTAL CROSSING AND LAAC

Structural: Non-Valve

THURSDAY, SEPTEMBER 26, 2019
12:00 PM - 1:30 PM
CRF Pavilion 2

Multimodality Imaging for Transseptal Crossing and LAAC

Training Pavilion Faculty: Chad Kliger, Carlos E. Sanchez, Gagan D. Singh

12:00 PM Introduction
12:10 PM 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

IMAGING FOR THE FORGOTTEN VALVE: TECHNIQUES FOR VISUALIZING THE TRICUSPID

IMAGING FOR THE FORGOTTEN VALVE: TECHNIQUES FOR VISUALIZING THE TRICUSPID

Structural: Valve

THURSDAY, SEPTEMBER 26, 2019
2:00 PM - 3:30 PM
CRF Pavilion 2

Imaging for the Forgotten Valve: Techniques for Visualizing the Tricuspid

Training Pavilion Faculty: Scott Lim, Priti Mehla, Carlos E. Sanchez, Pradeep K. Yadav

10:00 AM Introduction
10:10 AM Techniques for Diagnosis and Procedural Planning
10:20 AM Case Demonstrations for Interventional Guidance
10:30 AM Role of 4D Volume ICE for Visualization
10:40 AM Hands On Education: Rotations Through Simulators

MULTIMODALITY IMAGING FOR TRANSSEPTAL CROSSING AND LAAC

8:00 AM - 9:30 AM
Multimodality Imaging for Transseptal Crossing and LAAC

Training Pavilion Faculty: Brij Maini, Rahul Prakash Sharma, Torsten P. Vahl

8:00 AM Introduction
8:10 AM Step by Step Technique
8:20 AM Instructional Video
8:30 AM The Role of 4D Volume ICE for Transseptal Crossing
8:40 AM Hands On Education: Rotations Through Simulators

IMAGING FOR THE FORGOTTEN VALVE: TECHNIQUES FOR VISUALIZING THE TRICUSPID

Structural: Valve

THURSDAY, SEPTEMBER 26, 2019
10:00 AM - 11:30 AM
Imaging for the Forgotten Valve: Techniques for Visualizing the Tricuspid

Training Pavilion Faculty: Scott Lim, Priti Mehla, Carlos E. Sanchez, Pradeep K. Yadav

10:00 AM Introduction
10:10 AM Techniques for Diagnosis and Procedural Planning
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10:30 AM Role of 4D Volume ICE for Visualization
10:40 AM Hands On Education: Rotations Through Simulators

MULTIMODALITY IMAGING FOR TRANSSEPTAL CROSSING AND LAAC

4:00 PM - 4:20 PM
Didactic Session

Training Pavilion Faculty: Sanjog Kalra, Dennis Lynn Morris, William W. O'Neill, Alexander George Truesdell

4:20 PM - 5:30 PM
Breakout Rotations

Training Pavilion Faculty: Sanjog Kalra, Dennis Lynn Morris, William W. O'Neill, Alexander George Truesdell

MULTIMODALITY IMAGING FOR TRANSSEPTAL CROSSING AND LAAC

Structural: Non-Valve

THURSDAY, SEPTEMBER 26, 2019
8:00 AM - 9:30 AM

Multimodality Imaging for Transseptal Crossing and LAAC

Training Pavilion Faculty: Brij Maini, Rahul Prakash Sharma, Torsten P. Vahl

8:00 AM Introduction
8:10 AM Step by Step Technique
8:20 AM Instructional Video
8:30 AM The Role of 4D Volume ICE for Transseptal Crossing
8:40 AM Hands On Education: Rotations Through Simulators
2:00 pm - 3:30 pm
**Imaging for the Forgotten Valve: Techniques for Visualizing the Tricuspid**
Training Pavilion Faculty: Francesco Maisano, Christopher U. Meduri, Priti Mehla, Gagan D. Singh

- 2:00 pm  Introduction
- 2:10 pm  Case Demonstrations for Interventional Guidance
- 2:20 pm  Role of 4D Volume ICE for Visualization
- 2:30 pm  Hands On Education: Rotations Through Simulators

**MULTIMODALITY IMAGING FOR TRANSSEPTAL CROSSING AND LAAC**

**Multimodality Imaging for Transseptal Crossing and LAAC**

Structural: Non-Valve

**THURSDAY, SEPTEMBER 26, 2019**

*4:00 pm - 5:30 pm*
CRF Pavilion 2

**Advancing Alternative Access for the Treatment of PAD and CLI**

**Advancing Alternative Access for the Treatment of PAD and CLI**

Training Pavilion Faculty: Ankur Lodha, Amit Srivastava

- 8:00 am  Introduction and Faculty Review
- 8:20 am  Hands On Rotations
- 9:20 am  Debrief

**COMPLICATIONS MANAGEMENT IN PCI INTERVENTIONS**

**Complications Management in PCI Interventions**

Coronary: CHIP Coronal: Core

**THURSDAY, SEPTEMBER 26, 2019**

*12:00 pm - 1:30 pm*
CRF Pavilion 3

**ADVANCING ALTERNATIVE ACCESS FOR THE TREATMENT OF PAD AND CLI**

**Advancing Alternative Access for the Treatment of PAD and CLI**

Vascular

**THURSDAY, SEPTEMBER 26, 2019**

*8:00 am - 9:30 am*
CRF Pavilion 3
THURSDAY, SEPTEMBER 26, 2019
2:00 PM - 3:30 PM
Complications Management in PCI Interventions
Training Pavilion Faculty: Amir Kaki, Shunsuke Matsuno, Hidetaka Nishina, Binita Shah

2:00 PM Introduction
2:05 PM Simulation Stations

Complications Management in PCI Interventions
Coronary: CHIP

THURSDAY, SEPTEMBER 26, 2019
4:00 PM - 5:30 PM
Complications Management in PCI Interventions
Training Pavilion Faculty: Amir Kaki, Shunsuke Matsuno, Hidetaka Nishina, Adhir Shroff

4:00 PM Introduction
4:05 PM 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
Moderated Posters 5

9:30 AM - 10:30 AM
Assessment of Patients With Aortic Stenosis or Aortic Insufficiency - 1

INTRAVASCULAR IMAGING - 1

Intravascular Imaging - 1
Coronary: Core

THURSDAY, SEPTEMBER 26, 2019
9:30 AM - 10:30 AM
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
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**

**Moderated Posters 1**

**Natural History and Management of Mitral and Tricuspid Valve Disease - 1**

*Moderators: Robert L. Smith, Frederick G. St. Goar*

*Discussants: Brunilda Alushi, Paolo Denti, Doff B. McElhinney, Murali Padala, Anupama Shivaraju*

**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 Reginould*

**Discussion**

**9:37 am**

**TCT 431: Impact of Tricuspid Regurgitation on TAVR Patient Outcomes**

*Presenting Author: Stephan Haussig*

**Discussion**

**9:47 am**

**TCT 432: The Economic Impact of Clinically Significant Tricuspid Regurgitation**

*Presenting Author: Patrick Verta*

**Discussion**

**9:57 am**

**TCT 433: Redo Mitral Valve Replacement Versus Transcatheter Mitral Valve in Ring in Patients With Failed Mitral Valve Repair: A Single Center Experience**

*Presenting Author: Philipp Kiefer*

**Discussion**

**10:07 am**

**TCT 434: Venous Thromboembolism in Patients Undergoing Transcatheter Mitral Valve Replacement: Analysis of the National Inpatient Sample Databases**

*Presenting Author: Juan Del Cid Fratti*

**Discussion**

**10:17 am**

**TCT 435: LVOT Obstruction Cannot Be Reliably Predicted by the Swine Model Testing of Transcatheter Mitral Valve Replacement (TMVR) Technologies**

*Presenting Author: Marco Ferrone*

**Discussion**

**10:27 am**

**OUTCOMES AFTER PRIMARY PCI - 1**

**Outcomes After Primary PCI - 1**

*Coronary: CHIP*

**THURSDAY, SEPTEMBER 26, 2019**

**9:30 am - 10:30 am**

**Moderated Posters 7**

**9:30 am - 10:30 am**

**Outcomes After Primary PCI - 1**

*Moderators: Michael A. Kutcher, Tak W. Kwan*

*Discussants: 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*

**Discussion**

**9:37 am**

**TCT 484: Prognostic Impact of Subclinical Hemoglobin Descents in Patients Undergoing Primary Angioplasty**

*Presenting Author: Alfredo Redondo Dieguez*
Discussion
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
Discussion
TCT 486: Critical Role of Stakeholders in STEMI Networks
Presenting Author: Sameer Mehta
Discussion
TCT 487: Heart Failure in ST Segment Elevation Myocardial Infarction Predictors and Prognostic Impact: Insights From the TOTAL Trial
Presenting Author: Elie Akl
Discussion
TCT 488: Time to Telemedicine Diagnosis TTD a New Metric in STEMI Interventions
Presenting Author: Sameer Mehta

REVASCULARIZATION IN THE ELDERLY AND THE FRAIL - 1

Revascularization in Patients With Diabetes - 1

Revascularization in Patients With Diabetes - 1

TCT 639: Early Invasive Versus Initial Conservative Management Among Older Patients With Non ST Elevation Acute Coronary Syndrome
Presenting Author: Qais Radaideh
Discussion
TCT 640: Clinical Outcomes After Percutaneous Coronary Intervention in Very Old Patients With Acute Coronary Syndrome: An Analysis From Interventional Cardiology Research Incooperation Society Drug Eluting Stents IRIS DES Registry
Presenting Author: Sangwoo Park
Discussion
TCT 641: Comparison of Long Term Outcomes of Medical Therapy and Successful Recanalization for Coronary Chronic Total Occlusions in Elderly Patients
Presenting Author: Lei Guo
VASCULAR ACCESS AND CLOSURE IN PCI - 1

Moderated Posters 6

9:30 am - 10:20 am
**Vascular Access and Closure in PCI - 1**

Moderators: Robert J. Applegate, Christopher J. Cooper
Discussants: Ian C. Gilchrist, Steven Goldberg

- TCT 777: Prevention of Radial Artery Occlusion: Comparison of Three Hemostatic Methods in Transradial Intervention
  Presenting Author: Jesus Reyes
  9:30 am
- **Discussion**

- TCT 778: Evaluation of Railway Sheathless Access System for Transradial Coronary and Peripheral Intervention
  Presenting Author: Kintur A. Sanghvi DUPE
  9:40 am
- **Discussion**

- TCT 780: Randomized Comparison of Hemostasis Times Following Transradial Access With a Kaolin Based Hemostatic Pad QuikClot Radial vs. Mechanical Compression TR Band
  Presenting Author: Jonathan Roberts
  9:50 am
- **Discussion**

- TCT 781: The Quest for a Radial Lounge: StatSeal Reduces Transradial Coronary Angiography Turnaround Time and Cost
  Presenting Author: Victor Galusko
  10:07 am
- **Discussion**

  Presenting Author: Gregory Sgueglia
  10:10 am

STROKE AND STROKE PREVENTION

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
Presenting Author: Stefano Galli
9:30 am

TCT 668: Computational Fluid Dynamics Study of a Novel Embolic Protection Device
Presenting Author: Udi Nussinovitch
9:40 am

TCT 670: Worse Prognosis in Old Thrombi Related Large Vessel Occlusion Stroke
Presenting Author: Martijn Meuwissen
9:50 am

TCT 671: The Results of Endovascular Treatment in Patients With Ischemic Stroke Both Older and Younger Than 70 Years
Presenting Author: Andrey Sidorenko
10:07 am

**Discussion**

10:10 am
TCT 672: Usefulness of Soluble ST2 in Evaluating Severity of Cerebral Cardiac Syndrome
Presenting Author: Pei-Hsun Sung

10:17 am
**Discussion**
Bioresorbable Scaffolds - 1

10:30 AM - 11:30 AM

Bioresorbable Scaffolds - 1
Moderators: Salvatore Cassese, Jun-Jack Cheng
Discussants: Stephen G. Ellis, Vasim Farooq, Guy J. Friedrich

10:30 AM TCT 164: Clinical Outcomes at 3 Years of the Absorb Bioresorbable Vascular Scaffold Versus XIENCE Drug Eluting Metallic Stent in Patients With or Without Acute Coronary Syndrome AIDA Trial Substudy
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 Kozuma

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 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: Pawel P. Gasior

11:17 AM Discussion

11:20 AM TCT 176: Implantation of Thin Strut Sirolimus Eluting Bioresorbable Vascular Scaffold in Patients With de novo Coronary Artery Lesions: Two year Clinical and Six month Imaging Outcomes of the MeRes 1 Extend Trial
Presenting Author: Saska Kedev

11:27 AM Discussion

Drug-Eluting Stent Studies - 1

EXCEL Trial Clinical Substudies - 1

EXCEL Trial Clinical Substudies - 1
Coronary: CHIP

10:30 AM - 11:30 AM

EXCEL Trial Clinical Substudies - 1

10:30 AM TCT 278: Clinical Outcomes of All Comer Patients Presenting With Acute Coronary Syndrome Treated With the COMBO Stent: From the MASCOT and REMDEE Registries
Presenting Author: Vera de Winter

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
Presenting Author: Rishi Chandiramani

10:47 AM Discussion

10:50 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

10:57 AM Discussion

11:04 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

11:11 AM Discussion

11:14 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
Presenting Author: Ashok Thakkar

11:21 AM Discussion

EXCEL Trial Clinical Substudies - 1
Coronary: CHIP

10:30 AM - 11:30 AM

EXCEL Trial Clinical Substudies - 1
10:30 AM - 11:30 AM
EXCEL Trial Clinical Substudies - 1
Moderators: Magdy Abdelhamid
Discussants: Sorin J. Brener, Pawel E. Buszman

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: Toshiki 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

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

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IMAGING-DERIVED PHYSIOLOGIC LESION ASSESSMENT - 1

- **Imaging-Derived Physiologic Lesion Assessment - 1**

  **Coronary Core**

  **THURSDAY, SEPTEMBER 26, 2019**

  10:30 AM - 11:30 AM  
  Moderated Posters 3

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LARGE-BORE VASCULAR ACCESS AND CLOSURE

- **Large-Bore Vascular Access and Closure**

  **Vascular**

  **THURSDAY, SEPTEMBER 26, 2019**

  10:30 AM - 11:30 AM  
  Moderated Posters 4

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- 10:30 AM  
  TCT 364: The Closer Large Bore Vascular Sealing System: First in Man In Hospital and Long Term Experience
Presenting Author: Arne G. Schwindt

10:47 AM Discussion

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

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

10:47 AM Discussion

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

10:47 AM Discussion

TCT 368: Axillary Artery Access in the Setting of Cardiogenic Shock and Severe Peripheral Arterial Disease

Presenting Author: Mark Terence Mujer

10:47 AM Discussion

TCT 369: Efficacy and Safety of Figure of Eight Suture vs. Manual Pressure for Venous Access Closure: A Meta Analysis

Presenting Author: Syed Zaid

10:47 AM Discussion
PACEMAKERS AND CONDUCTION ABNORMALITIES IN PATIENTS WITH TAVR - 1

THURSDAY, SEPTEMBER 26, 2019
10:30 am - 11:30 am
Moderated Posters 5

10:30 am - 11:30 am
Pacemakers and Conduction Abnormalities in Patients With TAVR - 1
Moderators: Patricia Keegan, Hyo-Soo Kim, Philippe PibarotDiscussants: Tomasz Jadczyn, David W.M. Muller, Matias Sztejfman

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 Jimenez Diaz

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

11:07 am
Discussion

11:10 am
TCT 528: Novel Predictors of New Persistent Left Bundle Branch Block
After Evolut TAVR
Presenting Author: Syed Zaid

11:17 am
Discussion

BIORESORBABLE SCAFFOLDS - 2

Bioresorbable Scaffolds - 2
Coronary: Core

THURSDAY, SEPTEMBER 26, 2019
11:30 am - 12:30 pm
Moderated Posters 2

11:30 am - 12:30 pm
Bioresorbable Scaffolds - 2
Moderators: Olivier F. Bertrand, Bill D. GogasDiscussants: Stephen P. Hoole, Detlef G. Mathey

11:30 am
TCT 170: Endothelial Shear Stress and Vascular Remodeling in Bioresorbable Scaffold and Metallic Stent
Presenting Author: ERHAN TENEKECIOGLU

11:37 am
Discussion

11:40 am
TCT 171: A First in Man Study of the Firesorb Sirolimus Target Eluting Bioresorbable Vascular Scaffold in Patients With Coronary Artery Disease FUTURE I: 3 Year Clinical and Imaging Outcomes
Presenting Author: Lei Song

11:47 am
Discussion

11:50 am
TCT 172: Hemodynamic Analysis of New Version Mirage Bioresorbable Scaffold and Metallic Ultimaster Stent: A New Era Begins With Shear Stress Analysis in Stent Assessment
Presenting Author: ERHAN TENEKECIOGLU

11:57 am
Discussion

12:00 am
TCT 173: The ABSORB III and ABSORB Japan Trials: Final Intravascular Ultrasound Results
Presenting Author: Yasuhiro Honda

12:07 am
Discussion

12:10 am
TCT 174: Overexpansion of Thin Strut BRS in a Lesion Model: In Vitro Insights on Recoil and Mechanical Integrity
TCT 175: A First in Man Study of the Bioheart Sirolimus Eluting Bioreabsorbable Scaffold in Patients With Coronary Artery Disease: 2 Year Clinical and Imaging Outcomes
Presenting Author: Misbahul Ferdous

12:20 PM Discussion

TCT 176: Spontaneous Myocardial Infarction After Revascularization in Left Main Disease: Analysis From the EXCEL Trial
Presenting Author: Mahesh V. Madhavan

11:30 AM TCT 443: Mitraclip Outcomes in Patients With Coronary Artery Disease
Presenting Author: Obai Abdullah

11:30 AM Natural History and Management of Mitral and Tricuspid Valve Disease - 3

11:30 AM Moderated Posters 1

11:30 AM EXCEL Trial Clinical Substudies - 2
Moderators: Daniel Chamie, Kenneth Chin
Discussants: Jun-Jack Cheng, 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

12:00 PM TCT 315: White Blood Cell Count and 4 Year Clinical Outcomes After Left Main Coronary Artery Revascularization: Insights From the EXCEL Trial
Presenting Author: Bimmer E. Claessen

12:07 AM Discussion

12:10 AM TCT 316: Clinical Outcomes After Left Main Coronary Artery Revascularization by PCI or CABG in Current Former and Never Smokers: Analysis From the EXCEL Trial
Presenting Author: Bjorn Redfors

12:17 AM Discussion

12:20 AM TCT 317: Impact of Coronary Artery Dominance on Prognosis After PCI and CABG for Unprotected Left Main Disease: Analysis From the EXCEL Trial
Presenting Author: Ayman Elbadawi

12:20 AM Discussion

Outcomes After Primary PCI - 3

12:00 PM TCT 446: Sex Related Differences in In Hospital Outcomes of Transcatheter Mitral Valve Repair: Perspectives From a National Database
Presenting Author: Ayman Elbadawi

12:07 AM Discussion

12:10 AM TCT 447: MitraClip Compared to Surgical Mitral Valve Repair in Octogenarians A Nationwide Analysis 2012 2015
Presenting Author: Syed Zaid

12:17 AM Discussion
THURSDAY, SEPTEMBER 26, 2019
11:30 am - 12:30 pm
Moderated Posters 7

11:30 am - 12:30 pm
Outcomes After Primary PCI - 3
Moderators: Jose L. Leiva-Pons, Manel SabateDiscussants: Michael Maeng, Ahmed Magdy, Richard A. Schatz

11:30 am  TCT 495: Global Health Telemedicine Guided AMI Management
Presenting Author: Sameer Mehta
11:37 am  Discussion
11:40 am  TCT 496: Impact of Body Mass Index on Infarct Size and Clinical Outcomes Following Primary PCI: Patient Level Analysis From 6 Randomized Trials
Presenting Author: Bjorn Redfors
11:47 am  Discussion
11:50 am  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
Presenting Author: Takanobu Mitarai
11:57 am  Discussion
12:00 pm  TCT 498: Final Results of the Optimal Timing of Coronary Intervention in Unstable Angina 2 OPTIMA 2 Trial
Presenting Author: Nick Fagel
12:07 pm  Discussion
12:10 pm  TCT 499: App Based Remote Monitoring and Virtual Review Following ST Elevation Myocardial Infarction STEMI
Presenting Author: Debashish Das
12:17 pm  Discussion
12:20 pm  TCT 500: Association Between Microvascular Dysfunction and Diastolic Dysfunction in ST Segment Elevation Myocardial Infarction With Preserved Ejection Fraction
Presenting Author: Min Gyu Kang
12:27 pm  Discussion

PHYSIOLOGIC LESION ASSESSMENT - 1

Physiologic Lesion Assessment - 1
Coronary: Core

THURSDAY, SEPTEMBER 26, 2019
11:30 am - 12:30 pm
Moderated Posters 4

11:30 am - 12:30 pm
Physiologic Lesion Assessment - 1
Moderators: Joseph P. Carrozza Jr, Carlos ColletDiscussants: Felix Bohm, Jeff Chambers

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 Berry

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

TAVR AND CORONARY ARTERY DISEASE - 1

TAVR and Coronary Artery Disease - 1

Structural: Valve

THURSDAY, SEPTEMBER 26, 2019
11:30 AM - 12:20 PM
Moderated Posters 3

11:30 AM - 12:20 PM
TAVR and Coronary Artery Disease - 1
Moderators: Bernard R. Chevalier, James CockburnDiscussions: Talib Majwal, John C. Messenger, Rajeev Narayan

11:30 AM TCT 680: Validation of Virtual to Coronary Distance in Native Transcatheter Aortic Valve Replacement
Presenting Author: Michael Fuery

11:37 AM Discussion

11:40 AM TCT 681: In Hospital and Short Term TAVR Outcomes in Patients With and Without Unrevascularized Coronary Artery Disease
Presenting Author: Barbora Zvarova
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Presenting Author</th>
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<tr>
<td>11:47</td>
<td>Discussion</td>
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| 11:50 | TCT 682: Percutaneous Coronary Intervention and Transcatheter Aortic Valve Replacement Within the Same Admission  
**Presenting Author:** Konstantinos Voudris |
| 11:57 | Discussion                                                               |                                                        |
| 12:00 | TCT 683: Variation in the Timing of Percutaneous Coronary Intervention and Outcomes in Patients Undergoing Transcatheter Aortic Valve Replacement  
**Presenting Author:** Tomoki Ochiai |
| 12:07 | Discussion                                                               |                                                        |
| 12:10 | TCT 684: Treatment Strategies in Patients with Stable Obstructive Coronary Artery Disease and Severe Aortic Valve Stenosis Who Underwent TAVR  
**Presenting Author:** Mahmoud Ali |
| 12:17 | Discussion                                                               |                                                        |

### OUTCOMES AFTER PRIMARY PCI - 4

**Outcomes after Primary PCI - 4**

**Coronary: CHIP**

**THURSDAY, SEPTEMBER 26, 2019**

**12:30 PM - 1:30 PM**

**Moderated Posters 4**

**Outcomes after Primary PCI - 4**  
**Moderators:** Talib Majwal, Robert T. Pyo  
**Discussants:** Renato D. Lopes, Samer Mansour, Ruben A. Piraino

**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 PM**

TCT 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

#### Pacemakers and Conduction Abnormalities in Patients With TAVR - 3**

**Structural: Valve**

**THURSDAY, SEPTEMBER 26, 2019**

**12:30 PM - 1:20 PM**

**Moderated Posters 5**

**12:30 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

**12:37 PM**

Discussion

**12:40 PM**

TCT 536: Impact of Transcatheter Aortic Valve Replacement on His Ventricular Interval  
**Presenting Author:** Christian Ukena

**12:47 PM**

Discussion

**12:50 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

**12:57 PM**

Discussion

**1:00 PM**

TCT 538: Can an Entirely Extracardiac Minimally Invasive Pacing System Be Helpful in TAVR Patients  
**Presenting Author:** Martin Burke

**1:07 PM**

Discussion

**1:10 PM**

TCT 539: Novel Predictors of New Persistent Left Bundle Branch Block After Edwards SAPIEN 3 TAVR
RENAL INSUFFICIENCY AND CONTRAST NEPHROPATHY - 1

Renal Insufficiency and Contrast Nephropathy - 1
Coronary: Core

THURSDAY, SEPTEMBER 26, 2019
12:30 PM - 1:30 PM
Moderated Posters 7

12:30 PM Renal Insufficiency and Contrast Nephropathy - 1
Moderators: Norman E. Lepor, George W. Vetrovec
Discussants: Anand Prasad

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 Tomanik

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 Intraaerterial 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

STENT THROMBOSIS AND RESTENOSIS - 1

Stent Thrombosis and Restenosis - 1
Coronary: CHIP

THURSDAY, SEPTEMBER 26, 2019
12:30 PM - 1:20 PM
Moderated Posters 2

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

Assessment of Patients With Aortic Stenosis or Aortic Insufficiency - 2
Structural: Valve
2:00 PM - 3:00 PM
Assessment of Patients With Aortic Stenosis or Aortic Insufficiency - 2
Moderators: Pedro A. Lemos
Discussants: Blase A. Carabello, Petra Poliackova, Stephen R. Ramee

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

TCT 141: C Reactive Protein/Albumin Ratio in Patients Undergoing Transcatheter Aortic Valve Replacement
Presenting Author: Derk Frank

2:10 PM
Discussion

TCT 142: Clinical Characteristics and Outcomes of Patients Undergoing Transcatheter Aortic Valve Replacement with STS PROM of 3
Presenting Author: Jackson King

2:17 PM
Discussion

TCT 143: Changes in Quality of Life in Patients With Low Flow Aortic Stenosis Undergoing Transcatheter Aortic Valve Replacement
Presenting Author: Aisha Ahmed

2:20 PM
Discussion

TCT 144: Impact of Diastolic Dysfunction on Mortality and Quality of Life After Transcatheter Aortic Valve Replacement
Presenting Author: Mahesh Anantha Narayanan

2:27 PM
Discussion

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: Ramy Mando

2:30 PM
Discussion

TCT 259: Drug Coated Balloon Versus Drug Eluting Stent for the Treatment of Small Vessel Disease: 2 Year Clinical Outcomes of the RESTORE SVD China Randomized Trial
Presenting Author: Jian Tian

2:07 PM
Discussion

TCT 260: Procedural Optimization Improved the Clinical Outcome of Drug Coated Balloons for DES ISR Proposal of the DCB 4 Factors
Presenting Author: Jeehoon Kang

2:17 PM
Discussion

TCT 261: Identifying Conditions for Very Late Tissue Retention of Paclitaxel: Insights From Mechanistic Computational Modeling
Presenting Author: Abraham Rami Tzafriri

2:27 PM
Discussion

TCT 262: Use of Sirolimus Coated Balloon in Small Vessel De Novo Lesions: Mid Term Follow Up From a Single Center Registry
Presenting Author: Ishaq Mohammed

2:37 PM
Discussion

TCT 263: To Assess the Safety and Efficacy of Novel Drug Coated Balloon in All Comers Real World Population
Presenting Author: Sameer Dani

2:47 PM
Discussion

TCT 264: Clinical Outcome Post Sirolimus Coated Balloon Angioplasty in Patients With De Novo Lesions Located in Small Vessel Arteries 2.75 mm: 2 Year Results From Prospective Study
Presenting Author: Bernardo Cortese

2:57 PM
Discussion

DRUG-ELUTING STENT STUDIES - 2

Drug-Eluting Stent Studies - 2
Coronary: Core

THURSDAY, SEPTEMBER 26, 2019
2:00 PM - 3:00 PM
Moderated Posters 8

2:00 PM
Drug-Eluting Stent Studies - 2
TRANSCATHETER VALVE THERAPY | THURSDAY, SEPTEMBER 26, 2019

2:00 PM | TCT 282: Predictors of Clinical Outcomes After Implantation of Novel Sirolimus Eluting Stent in Real World Patient Population
   Presenting Author: Sameer Dani

2:07 PM | Discussion

2:10 PM | TCT 283: Ten Year Clinical Outcomes from a Trial of Three Limus Eluting Stents With Different Polymer Coatings in Diabetic Patients with Coronary Artery Disease: Results from the ISAR TEST 4 Randomized Trial
   Presenting Author: Erion Xhepa

2:17 PM | Discussion

2:20 PM | TCT 284: Latest Update of the Worldwide Everyday Practice Registry Assessing the Xposition S Self apposing Stent in Challenging Lesions with Vessel Diameter Variance SIZING Registry
   Presenting Author: Steffen Schnupp

2:27 PM | Discussion

2:30 PM | TCT 285: Stent Diameter and Clinical Outcomes After PCI: From the COMBO MASCOT and REMDEE Collaboration.
   Presenting Author: Doreen Zeebregts

2:37 PM | Discussion

2:40 PM | TCT 286: Efficacy and Safety of the Newer generation Zotarolimus eluting stent in Routine Clinical Practice: Data from the IRIS DES Registry
   Presenting Author: Ju Hyeon Kim

2:47 PM | Discussion

2:50 PM | TCT 287: Impact of Eligibility Criteria on Clinical Outcomes of Firehawk and XIENCE Coronary Drug Eluting Stent in an All Comers Randomized Trial
   Presenting Author: Yuichi Saito

2:57 PM | Discussion

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 | Discussion

2:10 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 | Discussion

2:20 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 | Discussion

2:30 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: Yoshinobu Onuma

2:37 PM | Discussion

2:40 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

2:47 PM | Discussion

MANAGEMENT OF ANTIPLATELET THERAPY AND ANTICOAGULATION IN PATIENTS UNDERGOING PCI - 1

Management of Antiplatelet Therapy and Anticoagulation in Patients Undergoing PCI - 1

Coronary: Core

THURSDAY, SEPTEMBER 26, 2019

2:00 PM - 2:50 PM
Moderated Posters 4

2:00 PM - 2:50 PM | Management of Antiplatelet Therapy and Anticoagulation in Patients Undergoing PCI - 1
   Moderators: Mark B. Effron, Sigmund Silber
   Discussants: Rik Hermanides, Aditya Kapoor, Ioanna Kosmidou, Robert C. Welsh

NATURAL HISTORY AND MANAGEMENT OF MITRAL AND TRICUSPID VALVE DISEASE - 4

Natural History and Management of Mitral and Tricuspid Valve Disease - 4

Structural: Valve

THURSDAY, SEPTEMBER 26, 2019

2:00 PM - 3:00 PM
Moderated Posters 1

2:00 PM - 3:00 PM | Natural History and Management of Mitral and Tricuspid Valve Disease - 4
   Moderators: Sammy Elmariah, Ulrich Schäfer
   Discussants: Victoria Delgado, Guering Eid-Lidt, Chad Kliger, Alexander Lauten

2:00 PM | TCT 448: Left Ventricular Meridional Systolic Wall Stress Predicts Heart Failure Readmissions in Patients Undergoing Transcatheter Mitral Valve Repair
Presenting Author: Srilekha Sridhara

2:07 pm Discussion

2:10 pm TCT 449: Transcatheter Mitral Valve Replacement: New Strategies
Presenting Author: Georg Lutter

2:17 pm Discussion

2:20 pm TCT 450: Impact of Atrial Fibrillation on Short Term Outcomes In Patients Undergoing Percutaneous Mitral Valve Repair.
Presenting Author: Mohamed M. Gad

2:27 pm Discussion

2:30 pm TCT 451: Trends in Inpatient Complications and Readmissions with Transcatheter Surgical Mitral Valve Repair from 2012 to 2016
Presenting Author: poonam bhyan

2:37 pm Discussion

2:40 pm TCT 452: Septal Correction to Prevent Iatrogenic Left Ventricular Outflow Tract Obstruction SCORPIONprior to Transcatheter Mitral Valve Replacement
Presenting Author: John Lisko

2:47 pm Discussion

2:50 pm TCT 453: Does Obesity Impact In hospital Outcomes After Transcatheter Mitral Valve Replacement Insights From the National Inpatient Sample
Presenting Author: Kranthi Sitammagari

2:57 pm Discussion

PRESENTATION SESSION - 2

PHYSIOLOGIC LESION ASSESSMENT - 2

Physiologic Lesion Assessment - 2

THURSDAY, SEPTEMBER 26, 2019
2:00 pm - 2:50 pm
Moderated Posters 2

2:00 pm - 2:50 pm
Physiologic Lesion Assessment - 2

Moderators: Kalpa De Silva, Frederick Feit, Ian C. Gilchrist
Discussants: Jabir Abdullahkuty, Pablo D. Charry-Amaya,Alejandro D. Fernandez,Guy J. Friedrich, Yoshiharu Higuchi, Sean Madden

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 583: Predictors of Functional Significance of Coronary Bifurcation Stenoses Important of Lesion Characteristics and SYNTAX score Analysis from FIESTA Registry Database ClinicalTrials.gov Identifier: NCT01724957

2:17 pm Discussion

2:20 pm TCT 585: Prognostic Implications of Coronary Physiologic Indices in Deferred Coronary Artery Lesions with Diabetes Mellitus
Presenting Author: Doyeon Hwang

2:27 pm Discussion

2:30 pm TCT 587: 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

2:37 pm Discussion

2:40 pm TCT 589: 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 591: Assessment of Interference Between Pressure Wire and Coronary Stents Deployed in the Side Branch: Insights From a Bench Test
Presenting Author: Takayuki Warisawa

2:57 pm Discussion

RENAI INSUFFICIENCY AND CONTRAST NEPHROPATHY - 2

Renal Insufficiency and Contrast Nephropathy - 2

Coronary: Core

THURSDAY, SEPTEMBER 26, 2019
2:00 pm - 3:00 pm
Moderated Posters 1

2:00 pm - 3:00 pm
Renal Insufficiency and Contrast Nephropathy - 2

Moderators: William T. Abraham, Barry F. Uretsky
Discussants: Somjot S. Brar, Adel M kamal El Etriby, Ingibjorg J. Gudmundsdottir, Scott Harding

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 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

2:17 pm Discussion

2:20 pm TCT 618: A Feasibility Study of the DyeVertPlus Contrast Reduction System to Reduce Contrast Media in Optical Coherence Tomography guided Percutaneous Coronary Interventions

2:27 pm Discussion

2:30 pm TCT 620: Does Early Renal Function at Follow-up Influence Acute Kidney Injury after Percutaneous冠状动脉 Intervention
Presenting Author: Anthony G. D'Cunha

2:37 pm Discussion

2:40 pm TCT 622: Comparison of the iFR Pressure Wire Technology With the Next Generation Fractional Flow Reserve Pressure Wire: Data From the InnovaCor-1 Study
Presenting Author: Paolo Matteoni

2:47 pm Discussion
TAVR and CORONARY ARTERY DISEASE - 2

TAVR and Coronary Artery Disease - 2

Moderators: Gilbert H.L. Tang, Alan C. Yeung
Discussants: Pavel Cervinka

2:00 PM - 3:00 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 Preprocedural 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

DRUG-ELUTING BALLOONS AND LOCAL DRUG DELIVERY - 2

Drug-Eluting Balloons and Local Drug Delivery - 2

Moderators: Kenneth Chin, Bimmer E. Claessen
Discussants: Armando Perez de Prado, Sudhir Rathore, Robert S. Schwartz

3:00 PM - 4:00 PM

3:00 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: Mauro Chiarito

3:07 PM Discussion

3:10 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: Mauro Chiarito

3:17 PM Discussion

3:20 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

3:27 PM Discussion

3:30 PM TCT 267: A Multicenter Registry to Evaluate Drug Coated Balloon Angioplasty after Directional Coronary Atherectomy for Coronary Bifurcation Lesions
Presenting Author: NASER YAMANI

3:37 PM Discussion
INTRAVASCULAR IMAGING - 2

Presenting Author: Shunsuke Kitani

3:37 PM Discussion
3:40 PM TCT 268: Mid Term Clinical Outcomes Post Sirolimus Coated Balloon Angioplasty in Patients with Coronary Artery Disease: Single Centre Experience
  Presenting Author: Ishaq Mohammed

3:47 PM Discussion
3:50 PM TCT 269: The efficacy of Drug Coated Balloon angioplasty DCB for de novo small coronary artery disease
  Presenting Author: Yoriyasu Suzuki

3:57 PM Discussion

MANAGEMENT OF ANTIPLATELET THERAPY AND ANTICOAGULATION IN PATIENTS UNDERGOING PCI - 2

Presenting Author: Saraschandra Vallabhajosyula

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: Luis Dallan

3:57 PM Discussion

INTRAVASCULAR IMAGING - 2

Moderators: Kevin J. Croce, Tomas Kovarnik
Discussants: John McB. Hodgson, Kusum Lata, Hirotoshi Watanabe

3:00 PM - 4:00 PM intravascular Imaging - 2

Moderated Posters 8

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
  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

MANAGEMENT OF ANTIPLATELET THERAPY AND ANTICOAGULATION IN PATIENTS UNDERGOING PCI - 2

Moderators: Renato D. Lopes, Pascal Vranckx
Discussants: David L. Fischman, Kurt Huber, Francesco Pelliccia

3:00 PM - 4:00 PM Management of Antiplatelet Therapy and Anticoagulation in Patients Undergoing PCI - 2

Moderated Posters 4

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: Optimal Duration of Antiplatelet therapy after Drug eluting stent implantation based on PRECISE DAPT and DAPT Scores
  Presenting Author: Yong-Joon Lee

3:27 PM Discussion
3:30 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

3:37 PM Discussion
3:40 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 Tomaniak

3:47 PM Discussion

3:50 PM TCT 405: The Fading Role of Triple Therapy in Patients with Atrial Fibrillation and Acute Coronary Syndrome: A Bayesian Network Meta analysis
Presenting Author: Mohammed Osman

3:57 PM Discussion

NON-ATHEROSCLEROTIC CAD (SCAD, MINOCA, ETC.) - 1

Non-Atherosclerotic CAD (SCAD, MINOCA, etc.) - 1

TCT 467: In Hospital and Long term Outcomes among Patients with Spontaneous Coronary Artery Dissection presenting with Ventricular TachycardiaFibrillation
Presenting Author: Christopher Cheung

3:00 PM - 3:50 PM
Moderated Posters 1

TCT 468: Clinical Features Sex Differences and Outcomes of Myocardial Infarction With Non Obstructive Coronary Arteries MINOCA: A Multi Center International Registry Analysis
Presenting Author: Richard Jung

3:07 PM Discussion

TCT 469: Percutaneous Coronary Intervention performance in Spontaneous Coronary Artery Dissection: insight from an Italian Multicenter Registry
Presenting Author: Giorgio Quadri

3:14 PM Discussion

TCT 470: Acute management of patients with Spontaneous Coronary Artery Dissection. The DISCO Dissezioni Spontanee Coroneriche Italian Registry.
Presenting Author: Francesco Tomassini

3:21 PM Discussion

TCT 471: Prognosis and Predictors of Mortality in Patients Suffering Myocardial Infarction with Non Obstructive Coronary Arteries
Presenting Author: You-Hong Lee

3:28 PM Discussion

TCT 472: 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

3:35 PM Discussion

TCT 473: Severe Mitral Stenosis in Patients with Severe Mitral Annular Calcification: An Area of Unmet Need
Presenting Author: Rayji Tsutsui

3:42 PM Discussion

TCT 474: 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

3:50 PM Discussion

TCT 475: Right Ventricular Remodeling Reduces Heart Failure Readmissions in Patients Undergoing Transcatheter Mitral Valve Repair
Presenting Author: Nidhi Kanwar

3:57 PM Discussion

TCT 476: 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

3:00 PM - 3:50 PM
Moderated Posters 2

TCT 477: 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

3:07 PM Discussion

TCT 478: Clinical Features Sex Differences and Outcomes of Myocardial Infarction With Non Obstructive Coronary Arteries MINOCA: A Multi Center International Registry Analysis
Presenting Author: Richard Jung

3:14 PM Discussion

TCT 479: Percutaneous Coronary Intervention performance in Spontaneous Coronary Artery Dissection: insight from an Italian Multicenter Registry
Presenting Author: Giorgio Quadri

3:21 PM Discussion

TCT 480: Acute management of patients with Spontaneous Coronary Artery Dissection. The DISCO Dissezioni Spontanee Coroneriche Italian Registry.
Presenting Author: Francesco Tomassini

3:28 PM Discussion

TCT 481: Prognosis and Predictors of Mortality in Patients Suffering Myocardial Infarction with Non Obstructive Coronary Arteries
Presenting Author: You-Hong Lee

3:35 PM Discussion

TCT 482: 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

3:40 PM Discussion
PERIPHERAL VASCULAR INTERVENTION - 1

Peripheral Vascular Intervention - 1

THURSDAY, SEPTEMBER 26, 2019
3:00 PM - 3:50 PM
Moderated Posters 3

3:00 PM - 3:50 PM
Peripheral Vascular Intervention - 1
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
Moderated Posters 6

3:00 PM - 4:00 PM
Ventricular Assist and Management of Cardiogenic Shock - 1
Moderators: Kalpa De Silva, James Flaherty Discussants: Navin K. Kapur

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

THURSDAY, SEPTEMBER 26, 2019
4:00 PM - 4:50 PM
Moderated Posters 6
Drug-Eluting Balloons and Local Drug Delivery - 3

Moderators: Eric J. Dippel, Jorge F. Saucedo
Discussants: Anvar Babaev

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: Jiaosheng Yin

4:27 PM
Discussion

4:30 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

4:37 PM
Discussion

4:40 PM
TCT 276: Coronary Slow Flow Phenomenon: Evidence for Disseminated Microvascular Spasm
Presenting Author: Hetal Mehta

4:47 PM
Discussion

NONATHEROSCLEROTIC CAD (SCAD, MINOCA, ETC.) - 2

Non-Atherosclerotic CAD (SCAD, MINOCA, etc.) - 2

Coronary: CHIP

THURSDAY, SEPTEMBER 26, 2019
4:00 PM - 4:50 PM
Moderated Posters 2

4:00 PM - 4:50 PM
Non-atherosclerotic CAD (SCAD, MINOCA, etc.) - 2
Moderator: Christos Bourantas

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 Absolute Coronary Blood Flow Quantification in Takosubo Cardiomyopathy

4:17 PM
Discussion

4:20 PM
TCT 474: Impact of clinical and hemodynamic factors on coronary flow reserve and invasive coronary flow capacity in non obstructed coronary arteries A patient level pooled analysis of the DEBATE and ILIAS studies
Presenting Author: Valérie E. Stegehuis

4:27 PM
Discussion

4:30 PM
TCT 475: Diagnostic and Prognostic Role of Nitroglycerin Induced Dilation In Patients With Suspected Vasospastic Angina Comparison With Ergonovine Provocation Test
Presenting Author: Seung Hwan Han

4:37 PM
Discussion

4:40 PM
TCT 476: Coronary Slow Flow Phenomenon: Evidence for Disseminated Microvascular Spasm
Presenting Author: Hetal Mehta

4:47 PM
Discussion

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
Moderated Posters 4

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
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
Presenting Author: Markus Florian Krackhardt

4:30 PM  Discussion

4:40 PM  TCT 550: Novel application of a bias reduction methodology for the sample size estimation design of in randomized controlled trials
Presenting Author: Cheng Zhang

PULMONARY ARTERY AND PULMONARY VENOUS INTERVENTION

Pulmonary Artery and Pulmonary Venous Intervention
Vascular

THURSDAY, SEPTEMBER 26, 2019
4:00 PM - 4:40 PM
Moderated Posters 3

4:00 PM - 4:40 PM  Pulmonary Artery and Pulmonary Venous Intervention
Moderators: Harsimran Sachdeva Singh
Discussants: Saif Anwaruddin, Paolo Denti, Gregory Piazza, Sanjum S. Sethi, Akhilesh K. Sista

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 vs 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 603: Long term Outcomes of Percutaneous Intervention for Pulmonary Vein Stenosis Secondary to Atrial Fibrillation Ablation
Presenting Author: Madeline Mahowald

4:37 PM  Discussion

TAVR: PATIENT-PROSTHESIS MISMATCH

TAVR: Patient-Prosthesis Mismatch

Structural: Valve

THURSDAY, SEPTEMBER 26, 2019
4:00 PM - 4:40 PM
Moderated Posters 5

4:00 PM - 4:40 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 vs. 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 Jimenez Díaz

4:37 PM  Discussion

TAVR: VALVE-IN-VALVE - 1

TAVR: Valve-in-Valve - 1

Structural: Valve

THURSDAY, SEPTEMBER 26, 2019
4:00 PM - 4:50 PM
Moderated Posters 1
VENTRICULAR ASSIST AND MANAGEMENT OF CARDIOGENIC SHOCK - 2

Vulnerable Plasques and High Risk Patients - 1
LIVE CASE TRANSMISSION THEATER III:
FRIDAY, SEPT. 27

8:00 AM - 9:30 AM
Session I: Live Cases — Endovascular
Live Case Moderators: Tony Das
Live Case Co-Moderators: Peter A. Schneider
Factoid Faculty: Tomo Ando, Davide Cao, Hussein Rahim, Fumiyasu Seike

Ballad Health System CVA Heart Institute Kingsport TN

LIVE CASE TRANSMISSION THEATER IV:
FRIDAY, SEPT. 27

2:00 PM - 4:15 PM
Session I: Live Cases — SHD
Live Case Moderators: Mark Reisman
Live Case Co-Moderators: Mathew Williams
Live Case Discussants: Jeroen J. Bax, Anthony DeMaria, Paolo Denti, Hemal Gada, Kentaro Hayashida, Ulrich P. Jorde, Neal S. Kleiman, Stephen H. Little, Helge Möllmann, Ralph Stephan von Bardeleben, Brian K. Wisenand
Factoid Faculty: Tomo Ando, Davide Cao, Hussein Rahim, Fumiyasu Seike

NYPHColumbia University Medical Center New York NY
Live Case Operator: Vinayak N. Bapat, Isaac George, Rebecca T. Hohn, Nadira Hamid, Susheel K. Kodali, Torsten P. Vahl
METALLIC DES PART 2: HIGH-RISK PATIENTS AND REVASCULARIZATION FAILURES

Metallc DES Part 2: High-Risk Patients and Revascularization Failures

FRIDAY, SEPTEMBER 27, 2019
8:00 am - 10:00 am
Room 152/154

8:00 am - 8:41 am
Session I: DES in Specific Lesion and Patient Subsets
Moderators: Emmanouil S. Brilakis, Jean FAJADETDiscussants: Colin Berry, Francesco Burzotta, Suzanne de Waha-Thiele, Seung-Jung Park, Corrado Tamburino, Robert W. Yeh

8:00 am
Revascularization in Stable CAD: What Do the New 2019 ESC Guidelines Recommend
Lecturer: Jean FAJADET

8:07 am
Preview From the Upcoming Ischemia Trial
Lecturer: David J. Maron

8:14 am
PCI vs. CABG in Multivessel Disease With and Without Diabetes: Latest Clinical Trial Data
Lecturer: Sripal Bangalore

8:21 am
Elective High Risk PCI and Hemodynamic Support: Evidence Based and Experience Based Recommendations
Lecturer: Divaka Perera

8:28 am
PROTECT III First Look: High Risk PCI Outcomes in 800 Impella Supported Patients
Lecturer: Jeffrey J. Popma

8:34 am
Roundtable Discussion With Audience QA

8:41 am - 10:00 am
Session II: Diagnosis and Management of Coronary Revascularization Failures
Moderators: Adrian P. Banning, Robert A. ByrneDiscussants: Creighton W. Don, Javier Escaned, Farouc A. Jaffer, Duk-Woo Park, Gennaro Sardella, Giulio Stefanini

8:41 am
Root Causes of Thrombosis and Restenosis With Contemporary Metallic DES: Pathologic Insights
Lecturer: Aloke Finn

8:48 am
Root Causes of Thrombosis and Restenosis With Contemporary Metallic DES: Intravascular Imaging Insights
Lecturer: Giulio Guagliumi

8:55 am
Very Late Stent Failure: Frequency and Predictive Factors
Lecturer: Mahesh V. Madhavan

9:02 am
How to Treat Stent Thrombosis: Case Based Vignettes of Different Approaches
Case Presenter: Anthony H. Gershlick

9:09 am
Flash Debate: Drug Coated Balloons Are the Best Treatment for ISR and Avoids Further Stent Layers
Lecturer: Paul JL Ong

9:14 am
Flash Debate: Repeat DES Is Most Effective Treatment for ISR and Should be the Preferred Option
Lecturer: Jose P.S. Henriques

9:19 am
Alternative Approaches for In Stent Restenosis: Laser Brachytherapy Lithotripsy.
Lecturer: George D. Dangas

9:27 am
To Prevent Stent Failure: Optimal Device Deployment Technique Is the Key

9:34 am
Roundtable Discussion With Audience QA

9:41 am
Acute Post Op Graft Failure: Incidence and Management
Lecturer: Mohammad Adnan Alkhouli

9:48 am
Late Coronary Bypass Graft Failure: Rational Approaches
Lecturer: Emmanouil S. Brilakis

9:55 am
Roundtable Discussion With Audience QA

PFO CLOSURE: EVIDENCE, INDICATIONS, AND DEVICES

PFO Closure: Evidence, Indications, and Devices
Structural: Non-Valve

FRIDAY, SEPTEMBER 27, 2019
8:00 am - 10:00 am
Room 156/158

8:00 am - 9:00 am
Session I: The Debates and “Rules of the Road” for PFO Closure in Secondary Stroke Prevention
PFO Closure for Stroke: The Debate Is Over
Lecturer: Stephen J.D. Brecker

PFO Closure for Primary Prevention: The Debate Has Started A Case Example and a Clinical Trial Proposal
Case Presenter: Fabian Nietlispach

The Heart Brain Team: PFO Closure Should Require the Approval of a Neurologist
Lecturer: Andrew Michael Goldsweig

PFO in 2019 A Neurologists Perspective
Lecturer: David E. Thaler

Who Should Perform PFO Closure and Where The SCAI Expert Consensus Statement
Lecturer: Clifford J. Kavinsky

The Minimalist Approach to PFO Closure: The Toronto Experience With Fluoroscopic Guidance Alone
Lecturer: Eric Horlick

The Minimalist Approach to PFO Closure: The Chinese Experience
Lecturer: Xiangbin Pan

What is a High Risk PFO and Should it Affect the Decision to Close
Lecturer: Jonathan M. Tobis

Roundtable Discussion With Audience QA

To Close or Not to Close the PFO: Incorporation of Patient Preferences and Shared Decision Making
Lecturer: Suzanne J. Baron

Is PFO Closure Only Beneficial in Large Shunts
Lecturer: Srihari S. Naidu

The Minimalist Approach to PFO Closure: The Toronto Experience With Fluoroscopic Guidance Alone
Lecturer: Eric Horlick

The Minimalist Approach to PFO Closure: The Chinese Experience
Lecturer: Xiangbin Pan

Complications of PFO Closure: Just the Facts Maam
Lecturer: Jacqueline Saw

The Antiplatelet Drug Test to Determine Responsivity and the Next Generation PFO Closure Migraine Trial
Lecturer: Mark Reisman

Roundtable Discussion With Audience QA

Intravascular Imaging Guided IVUS/OCT Treatment of Calcified Lesions: Step by Step
Lecturer: Jonathan M. Hill

Intravascular Imaging Guided IVUS/OCT Treatment of Left Main Lesions Including LM Bifurcations: Step by Step
Lecturer: Jose M. De la Torre Hernandez

Intravascular Imaging Guided Treatment of CTOs: Application in AWE ADR and Retrograde Approaches
Lecturer: Lei Ge

Treating Patients With Renal Insufficiency: Zero Contrast PCI
Lecturer: Ziad A. Ali

Assessment and Treatment of ISR and Stent Thrombosis Lesions Using Intravascular Imaging Including Neoatherosclerosis
Lecturer: Christos Bourantas

Very Late IVUS/OCT Follow Up After Stent Implantation: From Malapposition to Stent Healing
Lecturer: Yoshinobu Onuma

Approach to Patients With Acute Coronary Syndromes Including SCAD and Thrombotic Lesions Using Intravascular Imaging: Does Everyone Need a Stent
Lecturer: Tej Sheth

Roundtable Discussion With Audience QA

True Lumen Seeking After Angiography Induced RCA Occlusion in a Patient With Spontaneous Coronary Intramural Hematoma
Case Presenter: Feng Zhang

PCI or Not in a Young Woman With Acute Myocardial Infarction
Case Presenter: Zhijing Zhao

Multiple Coronary Lumens: Differential Diagnosis
Case Presenter: Xuebo Liu

Roundtable Discussion With Audience QA

Intravascular Imaging Stent Guidance: Part 2 — The Details

Coronary: Core

INTRAVASCULAR IMAGING STENT GUIDANCE: PART 2 — THE DETAILS

TAVR TECHNOLOGY AND ASSOCIATED DEVICES

TAVR Technology and Associated Devices

Structural: Valve
10:00 AM - 11:00 AM

**Session I: Technology Forum, Part 1 — New TAVR Systems**
Moderators: Michael J. Reardon, John G. Webb
Discussants: Ariel Finkelstein, Dean J. Kereiakes, Thomas Pilgrim, Didier Tchetche, Vinod H. Thourani, Stephen G. G. Worthley

**10:00 AM**
**The TAVR NEXT Comers: Snapshots**
10:00 AM **Program Update: The LOTUS EDGE TAVR System**
   Lecturer: Christopher U. Meduri
10:08 AM **Program Update: The ACURATE NEO TAVR System**
   Lecturer: Michael J. Reardon
10:16 AM **Program Update: The PORTICO TAVR System**
   Lecturer: Gregory P. Fontana
10:24 AM **Roundtable Discussion with Audience QA**

10:30 AM **The TAVR NEW Comers: Snapshots**
10:30 AM **The Self Expanding Single Operator CENTERA TAVR System**
   Lecturer: Markus Albert Kasel
10:36 AM **The Anatomically Correct Transfemoral JenaValve TAVR System**
   Lecturer: Hendrik Treede
10:42 AM **The Venus A and A Plus TAVR System**
   Lecturer: Horst Sievert
10:48 AM **The Repositionable and Retrievable HLT Meridian TAVR System**
   Lecturer: Mathew Williams
10:54 AM **Roundtable Discussion with Audience QA**

11:00 AM - 12:28 PM

**Session II: Technology Forum, Part 2 — Access and Closure Alternatives, Innovation Gone Wild**
Moderators: Adam B. Greenbaum, Tamim M. Nazif
Discussants: Yaron Almagor, Saif Anwaruddin, Colin M. Barker, Kendra J. Grubb, Jean-Claude Laborde, Helge Möllmann

**11:00 AM**
**When Transfemoral is NOT an Option for TAVR I Prefer...**
11:00 AM **Transcaval TAVR: A Brief Tutorial**
   Lecturer: Toby Rogers

**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**

**11:28 AM**
**Novel Large Hole Access Closure Devices**
11:28 AM **Large Hole Transfemoral Closure I: The PerQseal Device**
   Lecturer: Jeffrey J. Popma
11:33 AM **Large Hole Transfemoral Closure II: The InSeal Device**
   Lecturer: Ran Kornowski
11:38 AM **Large Hole Transfemoral Closure III: The MANTA Device**
   Lecturer: David A. Wood
11:46 AM **Roundtable Discussion with Audience QA**

**11:50 AM**
**Innovation Gone Wild**
11:50 AM **Next Generation TRIGUARD Cerebral Embolic Protection During TAVR: Technology Review and Status of Ongoing Clinical Trials**
   Lecturer: Tamim M. Nazif
11:58 AM **Roundtable Discussion with Audience QA**

**12:00 AM**
**A Novel Pre Shaped LV Pacing Guidewire for TAVR**
   Lecturer: John G. Webb
12:08 AM **The Pi Cardia Leaflex Aortic Valve Remodeling System**
   Lecturer: Philippe Genereux
12:16 AM **Roundtable Discussion with Audience QA**
12:18 AM **The Bay Labs AIDL Point of Care Echo Acquisition and Interpretation System**
   Lecturer: Randolph P. Martin
12:26 AM **Roundtable Discussion with Audience QA**

**LEFT ATRIAL APPENDAGE CLOSURE: PART 2 — UNANSWERED QUESTIONS, FUTURE DIRECTIONS**

**Left Atrial Appendage Closure: Part 2 — Unanswered Questions, Future Directions**

**Room 156/158**

**FRIDAY, SEPTEMBER 27, 2019**
2:00 PM - 3:45 PM

**Structural: Non-Valve**

**Last Updated 09/26/2019  Page: 99**
2:00 PM - 2:45 PM
Session I: Issues After LAA Closure
Moderators: Saibal Kar, Ramon QuesadaDiscussants: Steven L. Almany, Andrew Michael Goldsweig, Elliott Michael Groves, Kishore J. Harjai, Petr Kala, Teguh Santoso

2:00 PM Device Related Thrombus: Mechanisms Management and Implications for Device Design
Lecturer: Simon Cheung-chi Lam

2:08 PM Critical Appraisal of Post LAA Closure Pharmacology and Device Related Thrombus
Lecturer: Kishore J. Harjai

2:16 PM Optimal Timing for Surveillance Imaging After LAAC
Lecturer: Saibal Kar

2:24 PM Residual Leak and Ischemic Stroke After LAA Closure: Whether to Close and if So How
Lecturer: George S. Hanzel

2:32 PM Roundtable Discussion With Audience QA

2:45 PM - 3:45 PM
Session II: LAA Closure — Device Selection

2:45 PM Keynote Lecture: The Spectrum of LAA Closure Technology Current and Emerging Designs
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

2:00 PM - 3:04 PM
PCI Pharmacotherapy: Part 2

PCI Pharmacotherapy: Part 2
Coronary: Core

FRIDAY, SEPTEMBER 27, 2019
2:00 PM - 4:00 PM
Room 152/154

2:00 PM Debate: Dual Therapy OACSAPT Should Be the Default Therapy at Discharge in Most Patients
Lecturer: C. Michael Gibson

2:08 PM Pro: Dual Therapy OACSAPT Should Be the Default Therapy at Discharge in Most Patients
Lecturer: Robert A. Byrne

2:16 PM Con: Beware of Ischemic Complications Not Ready to Drop DAPT Yet
Lecturer: Robert A. Byrne

2:24 PM PCI in Patients Requiring OAC: Which OAC and in Whom
Lecturer: Davide Capodanno

2:32 PM When and How to Switch to OAC Alone After PCI
Lecturer: Manesh R. Patel

2:40 PM Reversal Strategies for Warfarin and NOACs: The Essentials
Lecturer: Teresa L. Carman

3:04 PM - 4:00 PM
Noncardiac Surgery Post-PCI: A Practical Approach

3:04 PM Case Introduction: A Patient Requiring Urgent Noncardiac Surgery After Recent Stent Implantation
Case Presenter: Giulio Stefanini

3:07 PM Perioperative Antiplatelet Management: What Do the Guidelines Say
Lecturer: Subhash Banerjee

3:15 PM Atherothrombotic Events After Noncardiac Surgery: Whats 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
Lecturer: Francesco Franchi

3:39 PM Case Resolution: How I Treated a Patient Requiring Urgent Noncardiac Surgery After Recent Stent Implantation
Case Presenter: Giulio Stefanini

3:44 PM Roundtable Discussion With Audience QA

2:00 PM - 3:04 PM
Antithrombotic Therapy in Patients With Atrial Fibrillation Undergoing PCI

2:45 PM - 3:45 PM
TAVR Special Situations (VIV, Bicuspid, AR, Low-Flow, Other)

TAVR Special Situations (VIV, Bicuspid, AR, Low-Flow, Other)
Structural: Valve
2:00 pm - 2:40 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
Case Presenter: S. Chiu Wong

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 - 4:00 pm

Session II: The Best of the Rest — TAVR Controversies and Debates
Moderators: Martin B. Leon, Craig R. Smith
Discussants: David J. Cohen, Mackram F. Eleid, Linda D. Gillam, Adam B. Greenbaum, Howard C. Herrmann, Fabian Nietlispach

2:40 pm  PointCounterpoint: Provocative Views 1 Minimalist TAVR Gone Viral
2:40 pm  Minimalist TAVR for Everyone: Safe Efficient and Cost Effective
Lecturer: David A. Wood

2:45 pm  Minimalism Yes. Rapid Ambulation and Discharge Yes But GA and TEE to Optimize Outcomes in Selected Cases
Lecturer: Philippe Genereux

2:50 pm  Roundtable Discussion With Audience QA

3:00 pm  PointCounterpoint: Provocative Views 2 TAVR Case Volume Requirements Should Be Increased

3:00 pm  Volume Threshold Increases Are Needed to Improve Clinical Outcomes
Lecturer: John D. Carroll

3:05 pm  Volume Thresholds Distort Clinical Practice and Are Poorly Correlated With Outcomes Direct Quality Metrics Should Be the Priority
Lecturer: Mark J. Russo

3:10 pm  Roundtable Discussion With Audience QA

3:20 pm  Choosing the Right TAVR System for Your Patients: A Multi Device Anatomy Specific Approach
Lecturer: Howard C. Herrmann

3:30 pm  Roundtable Discussion With Audience QA

3:35 pm  Perspectives on Real World Economics in the Modern Era of TAVR
Lecturer: Suzanne V. Arnold

3:45 pm  Roundtable Discussion With Audience QA

3:49 pm  Should We Anticoagulate All Bioprosthetic Aortic Valves Rationale Ongoing Studies and Recent Trends
Lecturer: Tarun Chakravarty

3:57 pm  Roundtable Discussion With Audience QA

THE LEFT MAIN AND BIFURCATION SUMMIT:
PART 2
Flash Debate: DAPT Duration for LM PCI
Lecturer: Robert W. Yeh

LM PCI: One Year of DAPT Is Enough and Sometimes Even Less Is More
Lecturer: Davide Capodanno

Roundtable Discussion With Audience QA

Session II: LM Bifurcation PCI

The Left Main Is a Different Bifurcation: Specific Technique Considerations
Lecturer: Hyeon-Cheol Gwon

How to Approach LM Trifurcation Disease
Lecturer: Jean Fajadet

When and How to Debulk a Left Main Lesion
Lecturer: Shigeru Nakamura

When and How to Use Hemodynamic Support for Left Main Lesions
Lecturer: Jeffrey W. Moses

Intravascular Imaging in the Left Main: IVUS or OCT and Is It Always Necessary
Lecturer: Giulio Guagliumi

Platform Related Issues Overexpansion Compression etc.
Lecturer: John A. Ormiston

Roundtable Discussion With Audience QA

Session II: Wireless Assessment of Coronary Physiology

Back to Basics: Deriving FFR From CTA and Invasive Angiography
Lecturer: Bon-Kwon Koo

FFR CT State of the Art Clinical Study Evidence and Ongoing/Planned Trials
Lecturer: Manesh R. Patel

Angiography Derived FFR: State of the Art Study Summary
Lecturer: Yuhei Kobayashi

Debating Wireless Physiology: Invasive Assessment of Coronary Physiology Is Obsolete
Lecturer: Ziad A. Ali

Debating Wireless Physiology: Invasive Assessment of Coronary Physiology Is Here to Stay
Lecturer: Nick Curzen

Roundtable Discussion With Audience QA

The Future of Coronary Physiology: Virtual Reality and Other Developments
Lecturer: Justin E. Davies

Roundtable Discussion With Audience QA

PULMONARY HYPERTENSION AND ACUTE AND CHRONIC PULMONARY EMBOLI THERAPIES: PART 2
Pulmonary Hypertension and Acute and Chronic Pulmonary Emboli Therapies: Part 2

FRIDAY, SEPTEMBER 27, 2019
4:00 PM - 6:00 PM
Room 156/158

4:00 PM - 5:02 PM
Session I: Pulmonary Hypertension Overview and CTEPH
Moderators: Ori Ben-Yehuda, Ehtisham Mahmud
Discussants: Riyaz Bashir, Irene Marthe Lang, Michael M. Madani, Hiromi Matsubara, Alex M. K. Rothman

4:00 PM  Classification of Pulmonary Hypertension and Overview of CTEPH
Lecturer: Ori Ben-Yehuda

4:08 PM  Pulmonary Thromboendarctectomy: Experience With Over 4000 Cases at UCSD
Lecturer: Michael M. Madani

4:18 PM  Balloon Pulmonary Angioplasty for CTEPH I: Current Technique and Outcomes
Lecturer: Ehtisham Mahmud

4:26 PM  Balloon Pulmonary Angioplasty for CTEPH II: Patient Selection and Complications
Lecturer: Xhorlina Marko

4:34 PM  Balloon Pulmonary Angioplasty for CTEPH III: Registry Data From Europe
Lecturer: Irene Marthe Lang

4:42 PM  Roundtable Discussion With Audience QA

4:50 PM  Case 1: Balloon Pulmonary Angioplasty
Case Presenter: Ehtisham Mahmud

4:56 PM  Case 2: Balloon Pulmonary Angioplasty
Case Presenter: Irene Marthe Lang

5:02 PM - 6:00 PM
Session II: Pulmonary Artery Denervation and Other PHTN Approaches
Moderators: Shao-Liang Chen, Irene Marthe Lang
Discussants: Ori Ben-Yehuda, Daniel Burkhoff, Biswajit Kar, Alex M. K. Rothman, Sanjum S. Sethi, Thomas M. Tu

5:02 PM  Introduction to Pulmonary Artery Denervation: Rationale
Lecturer: Ori Ben-Yehuda

5:10 PM  Pulmonary Artery Denervation I: Radiofrequency Ablation
Lecturer: Shao-Liang Chen

5:20 PM  Pulmonary Artery Denervation II: Ultrasound Based Therapy
Lecturer: Alex M. K. Rothman

5:30 PM  Aria: A Passive Device to Improve Pulmonary Compliance
Lecturer: Irene Marthe Lang

5:38 PM  Inter Atrial Shunts for Pulmonary Hypertension Group I and Group II
Lecturer: Daniel Burkhoff

5:46 PM  Roundtable Discussion With Audience QA

STEMI, CARDIAC ARREST, AND CARDIOGENIC SHOCK: PART 2

FRIDAY, SEPTEMBER 27, 2019
4:00 PM - 6:00 PM
Room 151/153

4:00 PM - 5:00 PM
Session III: Cardiogenic Shock — Are We Making Progress?
Moderators: Arthur Garan, Srihari S. Naidu
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: Vladimir Dzavik, Michael Mooney
Discussants: Sonya Burgess, Tim A. Fischell, Michael J. Lim, John J. Lopez, Christian M. Spaulding, 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: Sonya Burgess
TRANSCATHETER MITRAL VALVE REPAIR: BEYOND THE MITRACLIP

**Transcatheter Mitral Valve Repair: Beyond the MitraClip**

**Structural: Valve**

**FRIDAY, SEPTEMBER 27, 2019**

4:00 PM - 6:15 PM
Room 155/157

4:00 PM - 4:27 PM

Session I: From Surgery to Transseptal Techniques
Moderators: Scott Lim, Francesco Maisano
Discussants: Marc Gillinov, 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: Michael A. Borger, Patrick M. McCarthy, Thomas Modine, Nishtha Sodhi, Molly Szerlip, Didier Tchetche

4:27 PM
Leaflet Technologies and Chordal Replacement: Surgical Lessons Learned

5:12 PM - 6:15 PM

Session III: Emerging TMVR Devices — Part 2: Annuloplasty and Others
Moderators: Mark Reisman, Joachim Schofer
Discussants: Steven F. Bolling, Anson Cheung, Creighton W. Don, Karl-Heinz Kuck, Georg Nickenig, 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: Stephen G. G. Worthley

5:45 PM
Indirect Annuloplasty: Cerclage 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
LATE BREAKING FIM First Case of PIPELINE Chordal Replacement
Lecturer: Steven F. Bolling

6:03 PM
Roundtable Discussion With Audience QA

**TCT INNOVATION V: KEYNOTE INNOVATION INTERVENTIONAL STUDIES**

**TCT Innovation V: Keynote Innovation Interventional Studies**

Innovation
8:00 AM - 8:49 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  Levostrial to Coronary Sinus Shunting as a Novel Strategy for Symptomatic Heart Failure: First In Human Experience
Lecturer: Benjamin Hibbert

8:07 AM  Pilot Study to Assess Safety and Efficacy of a Novel Atrial Flow Regulator in Patients with HFpEF and HFrEF: The AFR PRELIEVE Trial
Lecturer: Felix Mahfoud

8:14 AM  Moderated Discussion

8:20 AM  Endovascular Renal Sympathetic Denervation to Improve Heart Failure With Reduced Ejection Fraction: The IMPROVE HF I Study
Lecturer: Joost Daemen

8:27 AM  External Support of the Cardiac Base Addresses Functional Mitral Regurgitation: Results of the BACE CE Mark Trial
Lecturer: Jaishankar Raman

8:34 AM  Alcohol Mediated Renal Denervation: 1 Year and Final Results From the Peregrine Postmarket Study
Lecturer: Felix Mahfoud

8:41 AM  Moderated Discussion

8:49 AM - 9:29 AM
Session XVI: DES and Other Emerging Coronary Technologies
Moderators: Grzegorz L. Kaluza, John A. Ormiston
Discussants: Kenneth Chin, Donald Cutlip, Neal Fearnott, Armando Perez de Prado, Richard A. Schatz, Stefan Verheye

9:29 AM  1 Year Clinical Outcomes of Worlds Thinnest 50 Microns Biodegradable Polymer Coated Everolimus Eluting Coronary Stent in Patients With Coronary Artery Disease
Lecturer: K. Sivaprasad

9:36 AM  1 Year Clinical Results of Real Life Registry of Angioli Cobalt Chromium Sirolimus Eluting Stent Rango Registry
Lecturer: Armando Perez de Prado

9:43 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

9:50 AM  Moderated Discussion

9:58 AM  SOS PK Papyrus an Observational Study of Patients With Covered PK Papyrus Stent
Lecturer: Marco Hernández Enriquez

10:05 AM  Early Experience With CoFi Diagnostic Sequence in Humans
Lecturer: Marco Valgimigli

10:12 AM  Efficacy and Safety of the Novacross Microcatheter for Chronic Total Occlusions: An Expanded Safety Study
Lecturer: Simon J. Walsh

10:19 AM  Moderated Discussion

10:27 AM - 11:07 AM
Session XVIII: Peripheral Vascular Innovation
Moderators: Krishna J. Rocha-Singh, Peter A. Schneider
Discussants: Stanislaw Bartus, Lawrence A. Garcia, Robert A. Lookstein, Kenneth Ouriel, Bruno Scheller, Renu Virmani

Lecturer: Srim S. Iyer

10:34 AM  Clinical Randomized Trial Evaluating Novel Microcrystalline and Biocompatible Polymer Paclitaxel Coated Balloon for the Treatment of Femoro Popliteal Occlusive Disease: 3 Year Clinical and Ambulatory Outcome
Lecturer: Piotr P. Buszman

10:41 AM  Moderated Discussion

10:47 AM  Sustained Limus Release Designed Drug Eluting Balloons: Is This the Solution for the Potential Increased Mortality With Paclitaxel Devices When Treating the SFA
Lecturer: Thomas Zeller

10:54 AM  12 Month Clinical Outcomes of Sirolimus Eluting Biodegradable Peripheral Scaffold System in Arteries Below the Knee
Lecturer: Sahil A. Parikh

11:01 AM  Moderated Discussion
11:07 AM  -  12:00 PM  
**Session XIX: Transcatheter Aortic Valve Innovation**  
Moderators: Wayne B. Batchelor, Hasan Jilaihawi  
Discussants: Anson Cheung, Manuel D. Pan, Armando Perez de Prado, Mark J. Russo, Vinod H. Thourani, Mathew Williams

**11:07 AM**  
Cardiac Output and Cerebral Blood Flow Improvement in Patients With Severe Aortic Valve Stenosis Undergoing Transcatheter Aortic Valve Implantation  
Lecturer: Wieneke Vlastra

**11:14 AM**  
A Prospective Single Center Study for Investigation of a Novel Temporary Pacing Guidewire for Transfemoral Transcatheter Aortic Valve Replacement  
Lecturer: Mark Hensey

**11:21 AM**  
Optimum Transcatheter Aortic Valve: Global First in Human  
Lecturer: Mathew Williams

**11:28 AM**  
Moderated Discussion

**11:33 AM**  
Prospective Single Arm Clinical Investigation for the Treatment of Subjects With Severe Symptomatic Aortic Valve Stenosis Using Valvosoft Pulsed Cavitational Ultrasound Therapy PCUT: First in Man  
Lecturer: Peter den Heijer

**11:40 AM**  
Early Experience With a New Generation Retrograde Transcatheter Aortic Valve System: A Multicenter Registry  
Lecturer: Mark Hensey

**11:47 AM**  
30 Day Outcomes From an Early Feasibility Study to Assess the Safety and Effectiveness of a Novel Transfemoral TAVR System for the Treatment of Patients With Symptomatic Severe Aortic Regurgitation  
Lecturer: Vinod H. Thourani

**11:54 AM**  
Moderated Discussion

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**HIGH-IMPACT CLINICAL RESEARCH I:**  
**PERIPHERAL ARTERIAL DISEASE AND DRUG-COATED BALLOONS**

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**HIGH-IMPACT CLINICAL RESEARCH II:**  
**HIGH-RISK DISEASE AND NOVEL THERAPIES**

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2:10 PM  
Roundtable Discussion With Audience QA

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: Marianne Brodmann

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

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**HIGH-IMPACT CLINICAL RESEARCH I:**  
**PERIPHERAL ARTERIAL DISEASE AND DRUG-COATED BALLOONS**

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FRIDAY, SEPTEMBER 27, 2019  
2:00 PM - 3:00 PM  
Innovation & Keynote Theater

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2:00 PM  
Peripheral Arterial Disease and Drug-Coated Balloons  
Moderators: Kenneth Ouriel, Bruno Scheller  
Discussants: Fernando Alfonso, S. Elissa Altin, Ehrin J. Armstrong, Robert M. Bersin, Peter A. Schneider, Pieter R. Stella

2:00 PM  
Long Term Safety of Drug Coated Devices for Femoropopliteal Artery Revascularization: Updated Analysis of Medicare Beneficiary Data  
Lecturer: Eric A. Secemsky

2:10 PM  
Roundtable Discussion With Audience QA

2:15 PM  
CIT RESOLVE: A Randomized Trial of Sidebranch Protection in Patients With Coronary Bifurcations and High Predicted Risk of Sidebranch Occlusion  
Lecturer: Bo Xu

3:00 PM  
Roundtable Discussion With Audience QA

3:10 PM  
PROTECCt: A Randomized Trial of Emergency CTA in Patients With Possible ACS and Intermediate Levels of hs Troponin Elevation  
Lecturer: Divaka Perera

3:25 PM  
Roundtable Discussion With Audience QA

3:30 PM  
MAGSTEMI: A Randomized Trial of a Magnesium Based Sirolimus Eluting Resorbable Scaffold vs. Metallic DES in Patients With STEMI

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FRIDAY, SEPTEMBER 27, 2019  
3:00 PM - 4:00 PM  
Innovation & Keynote Theater

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**High-Impact Clinical Research II: High-Risk Disease and Novel Therapies**

**Coronary: CoreCoronary: CHIP**

FRIDAY, SEPTEMBER 27, 2019  
3:00 PM - 4:00 PM  
Innovation & Keynote Theater

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**High-Impact Clinical Research I: Peripheral Arterial Disease and Drug-Coated Balloons**

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**Vascular**
HIGH-IMPACT CLINICAL RESEARCH III: PHARMACOTHERAPY STRATEGIES AND CALCIFIED LESIONS

High-Impact Clinical Research III: Pharmacotherapy Strategies and Calcified Lesions
Coronary: Core
Coronary: CHIP

FRIDAY, SEPTEMBER 27, 2019
4:00 PM - 5:00 PM
Innovation & Keynote Theater

4:00 PM - 5:00 PM
Pharmacotherapy Strategies and Calcified Lesions
Moderators: Dimitrios Alexopoulos, Daniel I. Simon
Discussants: Philippe Genereux, Robert J. Gil, Takeshi Kimura, Jean-François Tanguay, Anu Tunuguntla, Azfar G. Zaman

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 Thérmusier

4:40 PM Roundtable Discussion With Audience QA

4:45 PM DISRUPT CAD II: A Single Arm Study of Intravascular Lithotripsy for Treatment of Severely Calcified Coronary Stenoses
Lecturer: Carlo Di Mario

4:55 PM Roundtable Discussion With Audience QA

FDA TOWN HALL MEETING PART 2: HOT TOPICS

FDA Town Hall Meeting Part 2: Hot Topics

Innovation
CATH LAB RADIATION MANAGEMENT: IN REMEMBRANCE OF CHARLES CHAMBERS

Cath Lab Radiation Management: In Remembrance of Charles Chambers

FRIDAY, SEPTEMBER 27, 2019
12:15 PM - 1:45 PM
Room 203

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

Moderators: Stephen Balter, Sanjog Kalra
Discussants: Kristin Bottone, Emmanouil S. Brilakis, Edwin M. Leidholdt, Jr., Madan M. Rehani, Sheila Sahni, Cynthia Wilson

12:15 PM - 1:45 PM
Cath Lab Radiation Management
Moderators: Stephen Balter, Sanjog Kalra
Discussants: Kristin Bottone, Emmanouil S. Brilakis, Edwin M. Leidholdt, Jr., Madan M. Rehani, Sheila Sahni, Cynthia Wilson

12:15 PM - 1:45 PM
Introduction and Basics
Lecturer: Stephen Balter

12:25 PM - 1:35 PM
Physician Safety and Emerging Technology Solutions
Lecturer: James A. Goldstein

12:35 PM - 1:45 PM
Patient and Staff Safety Considerations
Lecturer: Kristin Bottone, Cynthia Wilson

12:45 PM - 1:55 PM
Minimizing Patient Radiation Exposure
Lecturer: Sanjog Kalra

12:55 PM - 1:05 PM
Roundtable Discussion With Audience QA

1:05 PM - 1:15 PM
VA Healthcare Failure Mode Effect Analysis
Lecturer: Edwin M. Leidholdt, Jr.

1:15 PM - 1:25 PM
Patient Radiation Tracking and Results
Lecturer: Madan M. Rehani

1:25 PM - 1:30 PM
Roundtable Discussion With Audience QA
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

FRIDAY, SEPTEMBER 27, 2019
12:15 PM - 1:45 PM
Room 213

Session I: The Search for the Vulnerable Plaque
Moderators: James E. Muller, Gregg W. Stone

12:15 PM - 12:25 PM
Keynote Lecture: The Thirty Year Search for the Vulnerable Plaque
Pursuit of the Holy Grail or a Fools Errand
Lecturer: James E. Muller

12:25 PM - 1:14 PM
Session II: Secondary Prevention of Coronary Events Post-PCI by Detection and Treatment of Vulnerable Plaques and Patients
Moderators: James E. Muller, Gregg W. Stone
Discussants: Takashi Akasaka, John A. Ambrose, Ranil De Silva, Carlo Di Mario, Habib Samady, Robert L. Wilensky

12:25 PM - 12:32 PM
IVUS and OCT Imaging for the Detection of Vulnerable Plaque and Patients
Lecturer: Francesco Prati

12:32 PM - 12:39 PM
Updated Results and Implications of the Lipid Rich Plaque Study of NIR Spectroscopy
Lecturer: Ron S. Waksman

12:39 PM - 12:45 PM
Detection of Vulnerable Patients by NIRS PROSPECT II and Treatment PROSPECT ABSORB Rationale and Update
Lecturer: David Erlinge

12:45 PM - 1:02 PM
Treatment of Vulnerable Patients and Plaques: PREVENT Rationale and Update
Lecturer: Seung-Jung Park

1:02 PM - 1:09 PM
Roundtable Discussion With Audience QA

DIABETIC DEBATES: REvascularization AND MEDICAL TherapIES

Diabetic Debates: Revascularization and Medical Therapies
Coronary: Core

FRIDAY, SEPTEMBER 27, 2019
12:15 PM - 1:45 PM
Room 209-210

12:15 PM - 1:05 PM
Diabetic Debates: Revascularization and Medical Therapies
Moderators: Sripal Bangalore, David J. Maron
Discussants: Frederick Feit, James Flaherty, Norman E. Lepor, Ahmed Magdy, Miodrag C. Ostojic, Craig A. Thompson

12:15 PM - 12:22 PM
Debate 1: The Diabetic Patient With Multivessel CAD
Lecturer: William E. Boden

12:22 PM - 1:05 PM
Debate 2: The Diabetic Patient With Single Vessel CAD
Lecturer: K. Michael Gibson

1:05 PM - 1:14 PM
Roundtable Discussion With Audience QA
The Case for CABG in Most
Lecturer: Michael A. Borger

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 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 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

Roundtable Discussion With Audience QA

Welcome
Lecturer: Robert A. Lookstein

Acute PE: Scope of the Problem
Lecturer: Gregory Piazza

Catheter Directed Thrombolysis for Submassive Acute PE: The New Standard
Lecturer: Sanjum S. Sethi

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 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

Closing Remarks
Lecturer: Jay S. Giri

TCT ENDOVASCULAR AND VEITH: AORTIC THERAPIES

Moderators: Enrico Ascher, Frank J. Veith
Discussants: Danielle Bajakian, Zvonimir Krajcer, John Moriarty, Virendra I. Patel, William J. Quinones-Baldrich, Michael B. Silva, Jr.

Technological and Technical Advances in Management of Chronic Type B Aortic Dissection
Lecturer: Sukgu Han

Endovascular Repair of Mycotic Aneurysms of the Thoracic Aorta
Lecturer: Manuel Garcia-Toca

TEVAR as an All Percutaneous Approach Under Local Anesthesia: Tricks and Strategies
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: Eric Horlick

12:23 PM
Case Presentation With Discussion: PFO Closure When the Good Becomes the Ugly
Case Presenter: Carey D. Kimmelstiel

12:31 PM
Case Presentation With Discussion: PFO Closure in Hypoxemic Syndrome

Case Presenter: Harsimran Sachdeva Singh

12:39 PM
Case Presentation With Discussion: A Transseptal Procedure After a Prior PFO Closure
Case Presenter: Apostolos Tzikas

12:47 PM
Case Presentation With Discussion: Residual Shunts After PFO Closure
Case Presenter: Jonathan M. Tobis

12:55 PM
Case Presentation With Discussion: Stitch It Closed and Leave No Device Behind
Case Presenter: Gennaro Sardella

1:03 PM
Case Presentation With Discussion: Are Bioabsorbable Devices Back
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: Jonathan M. Tobis

1:27 PM
Case Presentation With Discussion: Transseptal Puncture for PFO Occlusion
Case Presenter: Reda Ibrahim

1:35 PM
Roundtable Discussion With Audience QA

TRANSCATHETER CARDIOVASCULAR INNOVATIONS IN THE UNDERSERVED: CURRENT CHALLENGES AND OPPORTUNITIES
— SPONSORED BY THE ASSOCIATION OF BLACK CARDIOLOGISTS

Transcatheter Cardiovascular Innovations in the Underserved: Current Challenges and Opportunities — Sponsored by the Association of Black Cardiologists

Coronary: Core

FRIDAY, SEPTEMBER 27, 2019
12:15 PM - 1:45 PM
Room 215

12:15 PM - 1:00 PM
Session I: Diversity Within the Interventional Cardiology Workforce — What Matters and Why?
Moderators: Wayne B. Batchelor, Clyde W. Yancy
Discussants: Oluseun Alli, Marianne Brodmann, Usoma Ibebuogu, A.J. Conrad C. Smith, Jennifer A. Tremmel

12:15 PM
Diversity in Medicine: Charting a Path Forward
Lecturer: Clyde W. Yancy

12:25 PM
Roundtable Discussion With Audience QA

12:30 PM
The Cardiology Workforce: Current Status and Future Needs
TCT INDIA SESSION

TCT India Session
Coronary: Core
CoreCoronary: CHIP
Structural: Non-Valve
Structural: Valve
Vascular

FRIDAY, SEPTEMBER 27, 2019
9:00 am - 10:30 am
Presentation Theater 2

9:00 am - 10:30 am
TCT India
Chairs: Pravin K. Goel, Manish A. Parikh, Yashpal Sharma
Panelists: Ramesh Daggubati, Surya Prakash Gulla, Anand M. Rao, KMK Reddy, Bhuwan Chandra Tiwari, Rajasekhar Varada

9:00 am
Opening Remarks
Lecturer: Pravin K. Goel, Manish A. Parikh, Yashpal Sharma

9:05 am
Session I: Coronary Complications
9:05 am Stent Migration Embolisation
Lecturer: Viveka Kumar

9:12 am Roundtable Discussion With Audience QA

9:15 am Coronary Aneurysms: Post DESTraumatic
Lecturer: Subhash Chandra

9:22 am Roundtable Discussion With Audience QA

9:25 am Coronary Aneurysms: Post DESTraumatic
Lecturer: B.V.A Ranga Reddy

9:32 am Roundtable Discussion With Audience QA

9:47 am Session II: Structural Heart Intervention Complications
9:47 am My Worst TAVR Complication
Lecturer: Pravin K. Goel

ENDOVASCULAR CARDIAC COMPLICATIONS (ECC) 2019: PREVENTION IS THE BEST TREATMENT FOR COMPLICATIONS

Endovascular Cardiac Complications (ECC) 2019: Prevention Is the Best Treatment for Complications
Vascular

FRIDAY, SEPTEMBER 27, 2019
9:00 am - 10:30 am
Room 216

9:00 am - 10:30 am
Endovascular Cardiac Complications (ECC) 2019: Prevention Is the Best Treatment for Complications
Moderators: Morton J. Kern, Ramesh Singh
Discussants: Merida Cardenas Manilla, Christian Roguelov, Jack Wei Chieh Tan, Aaron Wong Sung Lung

9:00 am Introduction
Lecturer: Michael Haude

9:05 am Til Death Do Us Tear Apart
Lecturer: Aaron Wong Sung Lung

9:20 am Roundtable Discussion With Audience QA

9:25 am
No Reflow After Balloon Angioplasty
Lecturer: Cheng Han Lee (U)

9:40 am Roundtable Discussion With Audience QA

9:45 am
Unusual Situation During Transradial Intervention
Lecturer: Purich Surunchaakorn

10:00 am Roundtable Discussion With Audience QA

10:05 am
Unexpected Shock: Where Does It Come From
Lecturer: Merida Cardenas Manilla

10:25 am
Conclusions and Take Home Messages
Lecturer: Ramesh Singh
INTERNATIONAL FELLOWS CHALLENGING CASE SESSION

International Fellows Challenging Case Session
Coronary: CHIPCoronary: CoreStructural: Non-ValveStructural: ValveVascular

FRIDAY, SEPTEMBER 27, 2019
4:00 AM - 5:30 PM
Room 216

4:00 AM - 4:33 AM
Session I: Top 3 International Fellows Cases
Moderators: Benjamin Hibbert, Wojtek WojakowskiDiscussants: Carlos Cabrera, Pedro De Araujo Goncalves, Grzegorz L. Kaluza, Afzalur Rahman

4:00 AM Introduction of Top 3 Selected Winners
Lecturer: Grzegorz L. Kaluza

4:05 AM First Place Winner Case: A Novel and Simple Percutaneous Technique to Treat a Complex Pseudoaneurysm of Postaortic Coarctation Patch Aortoplasty
Case Presenter: Virginia Pascual-Tejerina

4:12 AM Second Place Winner Case: Nightmare in a Cardioband Transcatheter Tricuspid Annuloplasty
Case Presenter: Mizuki Miura

4:19 AM Third Place Winner Case: Calcium Does Not Always Win the Battle
Case Presenter: Rosa Alba Abellas-Sequeiros

4:26 AM Roundtable Discussion With Audience QA

4:33 AM - 5:05 AM
Session II: Fellows Got Talent Case Competition
Moderators: Carlos Cabrera, Pedro De Araujo GoncalvesDiscussants: Benjamin Hibbert, Grzegorz L. Kaluza, Afzalur Rahman, Mohamed Ahmed Sobhy, Wojtek Wojakowski

4:33 AM Case 1 A: A Case of Stent Shaft Fracture During PCI and Retrieval With Trapping Balloon Method
Case Presenter: Wei Tso Chen

4:38 AM Case 2 B: Percutaneous Closure of a Blalock Taussig Shunt Systemic Pulmonary Collateral and Closure of a Cavo Atrial Fenestration in a Single Procedure

4:43 PM Case 3 C: Iatrogenic Left Internal Mammary Artery to Great Cardiac Vein Fistula Successfully Treated With Vascular Plug
Case Presenter: Gibran Bhering Nascif

4:48 PM Case 4 D: Pulmonary Valve Replacement With Venus P Valve
Case Presenter: SAYAH NEILA

4:53 PM Voting Period: TCT Poll App Question Please Vote on the Case You Found Most Challenging Followed by Winner Announcement
Award Presenter: Wojtek Wojakowski

4:58 PM Roundtable Discussion With Audience QA

5:05 PM - 5:30 PM
Session III: My Most Challenging Case — Fellows Committee
Moderators: Grzegorz L. Kaluza, Mohamed Ahmed SobhyDiscussants: Carlos Cabrera, Pedro De Araujo Goncalves, Benjamin Hibbert, Afzalur Rahman, Wojtek Wojakowski

5:05 PM Complication During TAVI Procedure
Case Presenter: Pedro De Araujo Goncalves

5:12 PM Challenging Case of TAVI in AORTIC Valve Without Calcium
Case Presenter: Carlos Cabrera

5:17 PM Roundtable Discussion With Audience QA

INTERNATIONAL COMPLEX CASE SESSION IV:
CORONARY THROMBUS MANAGEMENT AND OTHER SPECIAL PCI SITUATIONS

International Complex Case Session IV: Coronary Thrombus Management and Other Special PCI Situations
Coronary: CHIP

FRIDAY, SEPTEMBER 27, 2019
8:30 AM - 10:30 AM
Presentation Theater 1

8:30 AM - 10:30 AM
Coronary Thrombus Management and Other Special PCI Situations
Moderators: Carlos Cabrera, Jose L. Leiva-PonsDiscussants: Magdy Abdelhamid, Pablo D. Chary-Amaya, Mohamed Chettibi, Ivo Petrov, Li-Wah Tam

8:30 AM Introduction
Lecturer: Carlos Cabrera

8:35 AM Croatia Presents: Complex LMCALADRI PCI in NSTEMI
Case Presenter: Eduard Margetic

8:45 AM Roundtable Discussion With Audience QA

8:50 AM Colombia Presents: Left Main Coronary Thrombus in a Young Woman Treated With Catheter Thrombectomy
INTERNATIONAL COMPLEX CASE SESSION V:  FEATURED COMPLEX CORONARY CASES

Coronary: CHICorony: Core

FRIDAY, SEPTEMBER 27, 2019
2:30 pm - 4:00 pm
Presentation Theater 1

2:30 pm - 4:00 pm
Featured Complex Coronary Cases
Moderators: Mohamed Ahmed Sobhy, Khalid Omar Tammam
Discussants: Alejandro Cherro, Christos Christou, Mohamed Ali Elsalamony, Hyo-Soо Kim, Armando Mangioni

Introduction
Lecturer: Mohamed Ahmed Sobhy

2:35 pm
Bangladesh Presents: LAD Ostial PCI by an Innovative Technique

INTERNATIONAL COMPLEX CASE SESSION VI:  FEATURED COMPLEX CORONARY CASES

Coronary: CHIPCoronary: Core

FRIDAY, SEPTEMBER 27, 2019
4:00 pm - 5:30 pm
Presentation Theater 1

4:00 pm - 5:30 pm
Featured Complex Coronary Cases
Moderators: Rabin dra Nath Chakraborty, Jorge Cortes Lawrenz
Discussants: Adel M kamal El Etriby, Habib Gamra, Andrzej J. Ochala, richard nicandro R. torres

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

4:30 pm
Netherlands Presents: PCI of Calcified Lesions With Novel Calcium Modulating Techniques Rock Roll or Rock and Roll
ALCOHOL-MEDIATED RENAL DENERVATION: THE TARGET BP CLINICAL PROGRAM (SPONSORED BY ABLATIVE SOLUTIONS, INC.)

Alcohol-Mediated Renal Denervation: The Target BP Clinical Program (Sponsored by Ablative Solutions, Inc.)

FRIDAY, SEPTEMBER 27, 2019
6:30 AM - 7:45 AM
Room 211

6:30 AM - 6:45 AM
Check-in & breakfast

6:45 AM - 7:45 AM
Alcohol-Mediated Renal Denervation: The Target BP Clinical Program
Faculty: Stefan C. Bertog, David E. Kandzari, Melvin D. Lobo, Felix Mahfoud, Horst Sievert
Chairs: Gregg W. Stone, Michael A. Weber

6:45 AM
Alcohol Mediated Renal Denervation: How is it Different
Presenter: Melvin D. Lobo

6:57 AM
Procedure Overview: Alcohol mediated RDN Using the Peregrine System
Presenter: Horst Sievert

7:09 AM
Clinical Evaluation: Peregrine Results to Date
Presenter: Felix Mahfoud

7:21 AM
The Target BP Program: Ongoing and Future Studies
Presenter: David E. Kandzari

7:33 AM
Questions and Answers

FFRANGIO AND THE RISE OF IMAGE-BASED FRACTIONAL FLOW RESERVE (FFR) (SPONSORED BY CATHWORKS)

FFRangio and the Rise of Image-Based Fractional Flow Reserve (FFR) (Sponsored by CathWorks)

FRIDAY, SEPTEMBER 27, 2019
6:30 AM - 7:45 AM
Room 203

6:30 AM - 6:45 AM
Check-in & breakfast

6:45 AM - 7:45 AM
FFRangio and the Rise of Image-Based Fractional Flow Reserve (FFR)
(Sponsored by CathWorks)

Faculty: Carlos Collet, Subbarao V. Myla, Bruce Samuels, Rahul Prakash Sharma
Chairs: William F. Fearon

6:45 AM
The Revolution of Image based FFR Introducing the CathWorks FFRangio System
Presenter: Bruce Samuels

6:57 AM
FFRangio Compared to FFR Clinical Data and Subgroup MVD Analysis
Presenter: William F. Fearon

7:09 AM
Applicability in Serial LesionsDiffuse Disease Results from the Pullback Study
Presenter: Carlos Collet

7:21 AM
FFRangio in Routine Clinical Practice US Experience of First 500 Cases

EXPERT EXPERIENCE WITH STENT GRAFTS IN TREATING CHALLENGING PERIPHERAL DISEASE (SPONSORED BY WL GORE & ASSOCIATES)

Expert Experience With Stent Grafts in Treating Challenging Peripheral Disease (Sponsored by WL Gore & Associates)
LEFT MAIN BIFURCATION SYMPOSIUM
(SPONSORED BY INDIA MEDTRONIC PVT. LTD.)

Left Main Bifurcation Symposium (Sponsored by India Medtronic Pvt. Ltd.)
FRIDAY, SEPTEMBER 27, 2019
6:30 am - 7:45 am
Room 215

6:30 am - 6:45 am
Check-in and breakfast

6:45 am - 7:45 am
Left Main Bifurcation Symposium
Faculty: Vinay K. Bahl, Praveen Chandra, Antonio Colombo, Ankush Gupta, Saidur Rahman Khan, Purushotam Lal, Fazila-Tun-Nesa Malik, Rony Mathew, Samuel K. Mathew, Gary S. Mintz

6:45 am
Live Case: Left Main Bifurcation
Moderators: Antonio Colombo, Ajay J. Kirtane, Gary S. Mintz
Discussants: Vinay K. Bahl, Purushotam Lal, Samuel K. Mathew
Presenters: Praveen Chandra

7:15 am
Does Stent Design Make a Difference in Treating LM Bifurcation Lesions
Moderators: Antonio Colombo, Gary S. Mintz
Discussants: Vinay K. Bahl, Purushotam Lal, Samuel K. Mathew
Presenters: Praveen Chandra

7:22 am
FFR and OCT Guidance of Left Main Bifurcation PCI
Moderators: Antonio Colombo
Discussants: Vinay K. Bahl, Purushotam Lal, Samuel K. Mathew
Presenters: Rony Mathew

7:29 am
Left Main Bifurcation With OCT
Moderators: Antonio Colombo, Ajay J. Kirtane, Gary S. Mintz
Discussants: Vinay K. Bahl, Purushotam Lal, Samuel K. Mathew
Presenters: Ankush Gupta

7:36 am
Complex Left Main Bifurcation: Is Lesion Preparation Necessary
Moderators: Antonio Colombo, Ajay J. Kirtane, Gary S. Mintz
Discussants: Vinay K. Bahl, Purushotam Lal, Samuel K. Mathew
Presenters: Saidur Rahman Khan

7:43 am
Summary

MANAGEMENT OF COMPLEX PCI PATIENTS:
AWARD-WINNING CASE PRESENTATIONS
(ORGANIZED BY CRF; SPONSORED BY ABIOMED, INC.)

Management of Complex PCI Patients: Award-Winning Case Presentations (Organized by CRF; Sponsored by Abiomed, Inc.)
FRIDAY, SEPTEMBER 27, 2019
6:30 am - 7:45 am
Room 201-202

6:30 am - 6:45 am
Check-in and breakfast

6:45 am - 7:45 am
Management of Complex PCI Patients: Award-Winning Case Presentations
Chairs: George D. Dangas, David Wohns, MD
Panelists: Amir Kaki, Justin Levisay, Ayaz Rahman

6:45 am
Successful Resuscitation of Acute Cardiogenic Shock Presenting as Ventricular Fibrillation via Bipella Approach
Case Presenter: Yashwant Agrawal

7:00 am
Double Indications for Impella CP: High Risk Percutaneous Coronary Intervention PCI and Acute Myocardial Infarction Complicated by Cardiogenic Shock AMICS
Case Presenter: Rafael Coimbra Ferreira Beltrame

7:20 am
Impella Facilitated IVUS Guided Left Main With Double CTO Revascularisation in NSTEMI With Severe LV Impairment and Severe Ischaemic Mitral Regurgitation
Case Presenter: Kalaivani Mahadevan

7:40 am
QA Session

NEW FRONTIERS IN PCI: ULTRA-LOW CONTRAST, ARTIFICIAL INTELLIGENCE, AND CO-REGISTRATION (SPONSORED BY PHILIPS)

New Frontiers in PCI: Ultra-Low Contrast, Artificial Intelligence, and Co-Registration (Sponsored by Philips)
FRIDAY, SEPTEMBER 27, 2019
6:30 am - 7:45 am
Room 213

6:30 am - 6:45 am
Check-in and breakfast

6:45 am - 7:45 am
New Frontiers in PCI: Ultra-Low Contrast, Artificial Intelligence, and Co-Registration
Faculty: Javier Escaned, Allen Jeremias
Chairs: Jasvinder Singh

6:45 am
Introductions
Presenter: Jasvinder Singh

6:50 am
Ultra Low Contrast PCI
Presenter: Jasvinder Singh

7:05 am
Applying DEFINE PCI to Everyday PCI
Presenter: Allen Jeremias

7:20 am
How Artificial Intelligence AI Will Change PCI
OPTIMIZATION OF VESSEL ACCESS AND CLOSURE IN LARGE-BORE CATHETER PROCEDURES: TIPS AND TRICKS CASE-BASED REVIEW (SPONSORED BY CRF; SUPPORTED BY ABBOTT AND SARANAS)

The Approach to the High Bleeding Risk Patient (Sponsored by CRF; Supported by Abbott, Boston Scientific Corporation, and OrbusNeich)

THE APPROACH TO THE HIGH BLEEDING RISK PATIENT (SPONSORED BY CRF; SUPPORTED BY ABBOTT, BOSTON SCIENTIFIC CORPORATION, AND ORBUSNEICH)
6:30 AM - 6:45 AM  
Check-in & breakfast

6:45 AM - 7:45 AM  
Transforming Robotics Into an Advanced Clinical Tool Through Automation and Remote Capabilities  
Faculty: Jean FAJADET, William L. Lombardi, Ehtisham Mahmud, Tejas Patel  
Chairs: J. Aaron Grantham

6:45 AM  
Breakfast Available From 6:30 AM

6:45 AM  
Welcome and Overview  
Presenter: J. Aaron Grantham

6:55 AM  
Clinical Review  
Presenter: Ehtisham Mahmud

7:05 AM  
Robotics in Clinical Practice  
Presenter: William L. Lombardi

7:15 AM  
Preparing for a Remote PCI Program Today  
Presenter: Jean FAJADET

7:25 AM  
Progress on Automation and Remote  
Presenter: Tejas Patel

7:35 AM  
QA Session  
Moderators: J. Aaron Grantham  
Discussants: William L. Lombardi, Ehtisham Mahmud, Tejas Patel

11:30 AM - 12:30 PM  
Contrast-Induced Acute Kidney Injury: Preventive Measures That Work in High-Risk Patients (Sponsored by CRF; Supported by ABIOMED, Inc., GE Healthcare, and Osprey Medical)  
Faculty: Amit Amin, Michael P. Flaherty, Nandish Thukral  
Co-Chairs: Somjot S. Brar, Roxana Mehran, Anand Prasad  
Panelists: Emmanouil S. Brilakis, Gennaro Giustino

11:30 AM  
Case Review: Complex PCI Post TAVR Implant  
Case Presenter: Anand Prasad

11:40 AM  
Impella Assisted PCI: Can This Strategy Prevent AKI in High Risk Patients  
Lecturer: Michael P. Flaherty

11:52 AM  
Contrast Media and Acute Kidney Injury

CONTRAST-INDUCED ACUTE KIDNEY INJURY: PREVENTIVE MEASURES THAT WORK IN HIGH-RISK PATIENTS (SPONSORED BY CRF; SUPPORTED BY ABIOMED, INC., GE HEALTHCARE, AND OSPREY MEDICAL)
STATE-OF-THE-ART BP-DES: OPTIMIZING ANTIPLATELET THERAPY AFTER PCI IN COMPLEX AND HIGH BLEEDING RISK PATIENTS (SPONSORED BY BOSTON SCIENTIFIC CORPORATION)

**State-of-the-Art BP-DES: Optimizing Antiplatelet Therapy After PCI in Complex and High Bleeding Risk Patients (Sponsored by Boston Scientific Corporation)**

**FRIDAY, SEPTEMBER 27, 2019**
11:30 AM - 12:30 PM
Presentation Theater 2

11:30 AM State-of-the-Art BP-DES: Optimizing Antiplatelet Therapy After PCI in Complex and High Bleeding Risk Patients
Faculty: Aloke Finn, Ajay J. Kirtane, Simon J. Walsh, Robert W. Yeh
Chairs: Juan F. Granada

11:30 AM Short and Optimal DAPT: Lessons From the EVOLVE SHORT DAPT Late Breaking Science
Presenter: Ajay J. Kirtane

11:45 AM Fundamentals of Stent Design: The BP DES Sweet Spot
Presenter: Aloke Finn

11:55 AM IDEAL LM Late Breaking Trial: BP DES in Complex Lesion PCI With Shortened DAPT
Presenter: Robert W. Yeh

12:10 AM Complex and High Bleeding Risk Patients: Why We Still Need DES Innovation
Presenter: Robert W. Yeh

12:20 AM Discussion and Take Home
Moderators: Juan F. Granada
Discussants: Aloke Finn, Ajay J. Kirtane, Robert W. Yeh

ACURATE NEO, LOTUS EDGE, AND SENTINEL CPS: ADVANCING SAFETY FOR TAVR PATIENTS (SPONSORED BY BOSTON SCIENTIFIC CORPORATION)

**ACURATE neo, LOTUS Edge, and Sentinel CPS: Advancing Safety for TAVR Patients (Sponsored by Boston Scientific Corporation)**

**FRIDAY, SEPTEMBER 27, 2019**
1:00 PM - 2:00 PM
Presentation Theater 1

1:00 PM ACURATE neo, LOTUS Edge, and Sentinel CPS: Advancing Safety for TAVR Patients
Faculty: Hemal Gada, Kendra J. Grubb, Raj Makkar, Helge Möllmann, Thomas Pilgrim

1:00 PM ACURATE neo: Features and Benefits for Optimized TAVR
Presenter: Helge Möllmann

1:15 PM Lessons From the SCOPE I Study and the ACURATE neo Body of Evidence
Presenter: Thomas Pilgrim

TRANSCATHETER MITRAL VALVE INTERVENTIONS (SPONSORED BY CRF; SUPPORTED BY EDWARDS LIFESCIENCES)

**Transcatheter Mitral Valve Interventions (Sponsored by CRF; Supported by Edwards Lifesciences)**
THE FUTURE OF RENAL DEENERVATION IS SOUND (SPONSORED BY RECOR MEDICAL, INC.)

The Future of Renal Denervation Is SOUND (Sponsored by ReCor Medical, Inc.)

FRIDAY, SEPTEMBER 27, 2019
1:00 PM - 2:00 PM
Presentation Theater 4

1:00 PM | Introduction to Session
Presenter: Ajay J. Kirtane

1:05 PM | RDN Procedure With the ReCor Paradise Technology: Anatomy Treatment Location Procedure Standardization and Simplicity
Presenter: Chandan Devireddy

1:15 PM | QA
Moderator: Ajay J. Kirtane

1:20 PM | RADIANCE HTN SOLO: In Depth Analysis at 6 Months After Medication Titration and Review of RADIANCE HTN Global Clinical Trial Program
Presenter: Ajay J. Kirtane

1:35 PM | QA
Moderator: Chandan Devireddy, Naomi Fisher

1:40 PM | Clinical Context of SOLO and Future Results and Implications for Who to Treat
Presenter: Naomi Fisher

1:55 PM | QA and Conclusion
Moderator: Ajay J. Kirtane

TOPSHOCK 2019: THE MOST CHALLENGING CASES SIMPLIFIED WITH IVL (SPONSORED BY SHOCKWAVE MEDICAL)

TopShock 2019: The Most Challenging Cases Simplified With IVL (Sponsored by Shockwave Medical)

FRIDAY, SEPTEMBER 27, 2019
1:00 PM - 2:00 PM
Presentation Theater 2

1:00 PM - 2:00 PM
TopShock 2019: The Most Challenging Cases Simplified With IVL
Faculty: Peter A. Soukas, Rajeev Tayal, Thomas E. WaggonerChairs: Jonathan M. Hill, Dean J. Kereiakes

1:00 PM | Introduction and Overview of IVL
Moderators: Dean J. Kereiakes Presenters: Jonathan M. Hill

1:08 PM | Overview of Expanding Applications
Presenter: Dean J. Kereiakes

1:16 PM | TopShock Finalists Present Cases Winner Announced
Moderator: Jonathan M. Hill, Dean J. Kereiakes

THE MODERN ERA OF VALVE THERAPY (SPONSORED BY CRF; SUPPORTED BY ABBOTT)

The Modern Era of Valve Therapy (Sponsored by CRF; Supported by Abbott)

FRIDAY, SEPTEMBER 27, 2019
1:00 PM - 2:00 PM
Presentation Theater 3

1:00 PM | Real World Experience of the LOTUS Edge Valve
Presenter: Hemal Gada

1:45 PM | Mitigating a Devastating Outcome: SENTINEL CPS in TAVR
Presenter: Kendra J. Grubb

1:00 PM - 2:00 PM
The Modern Era of Valve Therapy
Faculty: Saibal Kar, Christopher U. Meduri, Georg Nickenig, David G. Rizik, Jason H. Rogers, Dee Dee Wang, Stephen G. G. WorthleyChairs: Gorav Alawadi, James B. Hermiller Jr
CHIP ANGIOGRAM REVIEW: WHAT’S NEW? (WITH FOCUSED CASE PRESENTATIONS) (SPONSORED BY CRF; SUPPORTED BY ABBOTT, ABIOMED, INC., BOSTON SCIENTIFIC CORPORATION, AND CSI)

CHIP Angiogram Review: What’s New? (With Focused Case Presentations) (Sponsored by CRF; Supported by Abbott, ABIOMED, Inc., Boston Scientific Corporation, and CSI)

Coronary: CHIP

FRIDAY, SEPTEMBER 27, 2019
6:00 PM - 8:00 PM
Yerba Buena Ballroom 8

6:00 PM - 6:30 PM
Check-in and reception

6:30 PM - 8:00 PM

6:30 PM Opening Salvo: Is CHIP Relevant and Where PCI Needs to Go in the Next 5 10 Years
Lecturer: Jeffrey W. Moses

6:40 PM Session I: Imaging and Physiology for CHIP
Moderators: Martin B. Leon
Panelists: Ziad A. Ali, Kendra J. Grubb, Ning Guo, Azeem Latib, Nicholas J. Lembo, Akiko Maehara, Gregg W. Stone
6:40 PM Why Imaging and Physiology Are Core Components of CHIP Cases
Lecturer: Allen Jeremias

CHINA: INNOVATIONS IN STRUCTURAL HEART DISEASE (ORGANIZED BY CRF; SPONSORED BY VENUS MEDTECH)

China: Innovations in Structural Heart Disease (Organized by CRF; Sponsored by Venus Medtech)

Structural: Valve
Structural: Non-Valve

FRIDAY, SEPTEMBER 27, 2019
6:00 PM - 8:00 PM
Yerba Buena Ballroom 9

6:00 PM - 6:30 PM
Check-in and reception

6:30 PM - 8:00 PM
CHIP Angiogram Review: What’s New? (With Focused Case Presentations)

6:30 PM Opening Salvo: Is CHIP Relevant and Where PCI Needs to Go in the Next 5 10 Years
Lecturer: Jeffrey W. Moses

6:40 PM Session I: Imaging and Physiology for CHIP
Moderators: Martin B. Leon
Panelists: Ziad A. Ali, Kendra J. Grubb, Ning Guo, Azeem Latib, Nicholas J. Lembo, Akiko Maehara, Gregg W. Stone
6:40 PM Why Imaging and Physiology Are Core Components of CHIP Cases
Lecturer: Allen Jeremias
EXPANDING APPLICATIONS FOR INTRAVENOUS PLATELET INHIBITION (SPONSORED BY CRF; SUPPORTED BY CHIESI)

6:30 PM Welcome
Chair: Martin B. Leon

6:40 PM Dinovas Practice of New Innovation Model
6:47 PM Discussion
6:50 PM Venus Aortic Pipelines and Clinical Results
Lecturer: Jun Jiang

6:57 PM Discussion
7:00 PM Taped Case Using VenusA Plus for Patients With AR
Lecturer: Xu Wang

7:07 PM Discussion
7:10 PM TriGUARD 3 Technology and Preliminary Clinical Results
Lecturer: Jeffrey W. Moses

7:17 PM Discussion
7:20 PM NoYa Technology and a Taped Case
Lecturer: Chaim S. Lotan

7:30 PM Discussion
7:35 PM Liwen Procedure Introduction and a Taped Case
Lecturer: Liwen Liu

7:45 PM Discussion
Lecturer: Misbahul Ferdous

CHALLENGING CASES 3

Coronary: ValveCoronary: CHIPCoronary: CoreVascular

6:30 PM Which Patients Are and Are Not Candidates for Intravenous Platelet Inhibition During PCI
Lecturer: Gregg W. Stone

6:40 PM Roundtable Discussion With Audience QA
6:43 PM Intravenous Platelet Inhibition for PCI: Drug Description and Clinical Outcomes From Randomized Trials and Registries
Lecturer: Matthew J. Price

6:58 PM Roundtable Discussion With Audience QA
7:03 PM Intravenous Platelet Inhibition for PCI and Bridging: Duration Oral Drug Conversion and More
Lecturer: Dominick J. Angiolillo

7:15 PM Roundtable Discussion With Audience QA
7:19 PM Case 1 Introduction: PCI in a Patient With ACS
Case Presenter: David Erlinge

7:22 PM Roundtable Discussion: How Should We Treat This Patient
7:27 PM Case 1 Resolution: How Did We Treat This Patient What Might We Have Done Differently
Case Presenter: David Erlinge

7:32 PM Case 2 Introduction: Intravenous Platelet Inhibition During PCI in Complex Stable CAD
Case Presenter: Francesco Franchi

7:35 PM Roundtable Discussion: How Should We Treat This Patient
7:40 PM Case 2 Resolution: How Did We Treat This Patient What Might We Have Done Differently
Case Presenter: Francesco Franchi

7:45 PM Case 3 Introduction: A Case in Which We Might Consider Bridging
Case Presenter: Roxana Mehran

7:48 PM Roundtable Discussion: How Should We Treat This Patient
7:53 PM Case 3 Resolution: How Did We Treat This Patient What Might We Have Done Differently
Case Presenter: Roxana Mehran

7:58 PM Take Home Messages: The Expanding Role of Intravenous Platelet Inhibition for PCI
Lecturer: Matthew J. Price, Gregg W. Stone

8:00 PM Adjourn
9:15 AM - 10:45 AM
Coronary XI
Discussant: Liang Dong, Vladimir Dzavik, Nieves Gonzalo, Jincheng Guo, Michalis Hamilos, Stefan Harb, Hosam Hasan, Yutaka Hikichi, Jingbo Hou, Dipti Itchhaporia, Aaron V. Kaplan, Yoshiaki Kawase

9:15 AM
TCT 1210: A Coronary Masquerade: Spontaneous Coronary Artery Dissection Presenting as an Acute Coronary Syndrome
Presenting Author: Kara Stout

9:15 AM
TCT 1211: Streamlined Reverse Wire Technique for the Treatment of Complex Bifurcated Lesions
Presenting Author: Katsuyuki Hasegawa

9:15 AM
TCT 1212: The Efficacy of Directional Atherectomy for Non ST segment Elevation Myocardial Infarction
Presenting Author: Kohei Yaneda

9:15 AM
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 Tummalapalli

9:15 AM
TCT 1214: Multiple Vessel Spontaneous Coronary Artery Dissection causing NSTEMI
Presenting Author: Lance Alquran

9:15 AM
TCT 1215: The most critical lesion in the most critical scenario
Presenting Author: Maged Ramses

9:15 AM
TCT 1216: Challenging CTO intervention in a patient with single coronary artery
Presenting Author: Pratap Kumar

9:15 AM
TCT 1217: Acute coronary syndrome: severely under expanded stent treated with Shockwave IVL
Presenting Author: Marco Boccalatte

9:15 AM
TCT 1218: Successful Staged Percutaneous Coronary Intervention for Spontaneous Coronary Artery Dissection using Retrograde Approach
Presenting Author: Masatsugu Nozoe

9:15 AM
TCT 1219: Missing Left Main: How Did I Treat
Presenting Author: Md Golam Azam

9:15 AM
TCT 1221: Congenital Anomaly of the Left Main Coronary Artery Presenting as a Myocardial Infarction in a Young Female
Presenting Author: Mohammed Al Sadawi

9:15 AM
TCT 1222: Left Ventricular Unloading during 1:3 Pulsatile Mechanical Circulatory Support in Ischemic Cardiomyopathy
Presenting Author: Marcelo Bastos

9:15 AM
TCT 1223: IMPELLA CP AS A BRIDGE TO SURGERYFOR ANTERIOR POST ISCHEMIC SEPTAL RUPTURE

9:15 AM - 10:45 AM
Coronary XII
Discussant: Tarun Chakravarty, Nabil Dib, Ingibjorg J. Gudmundsdottir

9:15 AM
TCT 1224: A Case of Acute Renal Failure with Hemolysis Caused by Impella
Presenting Author: Masao Takigami

9:15 AM
TCT 1225: The interventional therapy of post infarction ventricular septal defect with cardiogenic shock
Presenting Author: Minglian Gong

9:15 AM
TCT 1226: Cardiogenic Shock Complicated by Diffuse Alveolar Hemorrhage DAH: Simultaneous use of an Impella CP and Venous VV Extracorporeal Membranous Oxygenation ECMO in a case of STEMI Elevation Myocardial Infarction STEMIRquiringtissue Plasminogen Activator tPA
Presenting Author: Navneet Sharma

9:15 AM
TCT 1227: A Case of Immune Checkpoint Inhibitor related Fulminant Myocarditis with Cancer
Presenting Author: Satoshi Matsuoka

9:15 AM
TCT 1228: The Case of the Migrating Axillary Balloon Pump.
Presenting Author: Stephanie El Hajj

9:15 AM
TCT 1229: Management of Refractory Cardiac Arrests with Venous Arterial Extra Corporeal Membranous Oxygenation VA ECMO and Left Ventricular Venting Enabling Complex Percutaneous Coronary Interventions
Presenting Author: Talha Ahmed

9:15 AM
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 Dahiya

9:15 AM
Presenting Author: Yashwant Agrawal

9:15 AM
TCT 1232: Dismantling of Partially Covered Magnesium Biodegradable Scaffold Assessed with Optical Coherence Tomography
Presenting Author: Christian Oliver Fallesen

9:15 AM
TCT 1233: OCT and IVUS guided treatment of restenosis in a new generation magnesium based biodegradable scaffold due to significant collapse
Presenting Author: Hongbo Yang

9:15 AM
TCT 1234: Treatment of long tapering LAD lesion with a distal tapering and another proximal scaffold with inadvertent overlap
Presenting Author: Latchumanadhas Kalidoss

9:15 AM - 10:45 AM
Endovascular III

9:15 AM
TCT 1235: A case of refractory right heart failure due to traumatic rig...
9:15 am TCT 1236: Rescue Intervention in Acute Complicated Type B Aortic Dissection
Presenting Author: Chih Hung Lai

9:15 am TCT 1237: Pedal arch reconstruction in a patient with a poorly healing surgical wound following trans metatarsal amputation.
Presenting Author: Christopher Regan

9:15 am TCT 1238: A case of VIABAHN VBX subacute occlusion implanted for in stent occlusion of Leriche syndrome with severe calcification.
Presenting Author: Fujimoto Daichi

9:15 am TCT 1239: PTA of popliteal artery through Fem Pop bypass
Presenting Author: Dejan Mancevski

9:15 am TCT 1240: Initial experience of Removing Calcified Plaque by Intentional Crosser Bias ControlWith Angled Support Catheter REIWA Technique
Presenting Author: GO TAKENOCHI

9:15 am TCT 1241: Dislodged renal stent retrieved and deployed in good position.
Presenting Author: Hady Lichaa

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 Poplitateal Retrograde Approach
Presenting Author: KOTARO MIYASHITA

9:15 am - 10:45 am Endovascular IV
Discussant: Christopher J. Cooper, Beau Hawkins, 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: Luali 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: Michael Brener

9:15 am TCT 1251: Double Barrel Bilateral Iliac Artery Stenting UsingBilateral Radial Artery Access
Presenting Author: Mike Gorenchtein

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: Omer Celik

9:15 am TCT 1254: Is the qualification for limb amputation always final
Presenting Author: Przemek Nowakowski

9:15 am TCT 1255: 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

9:15 am TCT 1262: Transcatheter Management of MitraClip Single Leaflet Detachment with Placement of an Additional Clip and Amplatzer Vascular Plug
Presenting Author: Chetan Huded

9:15 am TCT 1263: Prophylactic Left Ventricular Outflow Tract Septal AblationPrior 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
9:15 AM - 10:45 AM
Structural VI
Discussant: Joanna Chikwe, Khalil Fattouch, Sachin Goel, Paul Gurbel, Jan Harnek, Joseph A. Hill, Katherine Kearney

9:15 AM
TCT 1268: Transcatheter mitral valve repair in congenitally corrected transposition of the great arteries
Presenting Author: Mizuki Miura

9:15 AM
TCT 1271: Percutaneous transvenous mitral commissurotomy in ECMO patient: the ball out technique for unusual life threatening acute mitral valve bioprosthesis failure.
Presenting Author: Petr Zdrahal

9:15 AM
TCT 1272: PERCUTANEOUS TRANSVENOUS MITRAL COMMISSUROTOMY IN A TUBULAR HEART
Presenting Author: Preeti Gupta

9:15 AM
TCT 1273: Mitral Valve in Valve: A Challenging Case of TAVR
Presenting Author: Ravinder Singh Rao

9:15 AM
TCT 1274: Transcatheter Mitral Valve Replacement with the Alta Valve: Description of the first case in the United States
Presenting Author: Sachin Goel

9:15 AM
TCT 1275: Carillon implantation in a heart not suitable for surgical annular reduction with coronary compromise during implantation
Presenting Author: Steven Goldberg

9:15 AM
TCT 1276: Sequential Valve in Valve Transcatheter Aortic Valve Replacement amp Valve in Valve Transcatheter Mitral Valve Replacement in a Patient with Combined Degenerative Bioprosthetic Aortic Valve amp Bioprosthetic Mitral Valve with High Surgical Risk
Presenting Author: Timothy Pow

9:15 AM
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

9:15 AM
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: Vassiliis Voudris

9:15 AM
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 XIII

2:00 PM
TCT 1280: LM Trifurcation treated as Two sequential Bifurcations using two different stent techniques under IVUS guidance
Presenting Author: dr parminder ootal

2:00 PM
TCT 1281: Treating a Post CABG amp Post PCI patient with very complex anatomy
Presenting Author: Tawfiq Shahrriar Huq

2:00 PM
TCT 1282: Retrograde PCI of an ostial LAD CTO through a stent implanted from left main to circumflex: rendez you and chasing wire techniques
Presenting Author: Felipe Hernandez

2:00 PM
TCT 1283: Mini Crush Technique Using A Guideliner A Heavily Calcified LAD Diagonal Bifurcation Lesion
Presenting Author: Emad Effat

2:00 PM
TCT 1284: Peri procedural PCI risk optimization in patient with multivessel calcified lesions and severe left ventricle function reduction
Presenting Author: Enrico Romagnoli

2:00 PM
TCT 1285: Recanalization of ostial RCA CTO with retrograde approach by tortuous epicardial collaterals with MCS.
Presenting Author: Evandro Martins Filho

2:00 PM
TCT 1286: Mirror mirror on the wall Trans radial multi vessel PCI to RCA OM amp CTO LAD in dextrocardia
Presenting Author: Aaysha Cader

2:00 PM
TCT 1287: Double DoubleKiss Crush: A newer technique for sequential bifurcation lesions
Presenting Author: Fahad Younas

2:00 PM
TCT 1288: Complex CTO PCI resolved by multiple new technologies of wich direct wire spacing device.
Presenting Author: Benjamin Fairrie

2:00 PM
TCT 1289: PCI optimization in a complex case
Presenting Author: Rajesh Vijayvergiya

2:00 PM
TCT 1291: Repeated antegrade PCI failure for LCX CTO
Presenting Author: Cheng Han Lee (Li)

2:00 PM
TCT 1292: Balloon Assisted Guideliner Reverse CART technique for RCA CTO Intervention in Dual LAD anomaly

CHALLENGING CASES 4
**Presenting Author: Chi Yan Fung**

2:00 PM

TCT 1293: Ping pong guide catheters to facilitate real time IVUS guided recanalisation of stumpless CTO
Presenting Author: Ching-Tang Chang

2:00 PM

TCT 1294: Child in Mother Technique to Facilitate Retrograde Microcatheter Advance in CTO Intervention
Presenting Author: Ching-Tang Chang

**Discussant: Jose A. Alvarez, Sukhdeep Singh Basra, Patricia J. Best, Ronald Caputo, Nicola Corvaja, Donald Cutlip, Steffen Desch**

2:00 PM - 3:30 PM

Coronary XIV

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: SATNAM SINGH

2:00 PM

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

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: Do hoi Kim

2:00 PM

TCT 1302: Antegrade PCI for left main ostial CTO
Presenting Author: Dong-Kie 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 28 year old transplant o left main with 90 14 year old male had cardiac arrest resuscitate have 90 left main hadLDL 450 xantoma and cholesteromas
Presenting Author: Ibrahim Fahsah

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 Stents 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

Discussant: Maurice Buchbinder, Debabrata Dash, Rajesh M. Dave, Larry S. Dean, Ranil De Silva, Walter Desmet, Jose Guillermo Diez, John S. Douglas Jr, Ariel Duran, Ahmed Eighamaz, Omer Goktekin, Dean J. Kereiakes

TCT 1310: A HIDDEN OSTIALLEFT 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: PHARMACOINVASIVE 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 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: Tanawan Riangwiwat

2:00 PM

TCT 1324: Retrieval of two dislodged coronary stents from the ascending aorta with a snare loop
Presenting Author: Ioannis Iakovou
2:00 PM - 3:30 PM
Coronary XVII
Discussant: Pravin K. Goel, Jincheng Guo, Stefan Harb, Yutaka Hikichi, Jingbo Hou, Angela Hoye, Dipti Ichhaporia, Adam Janas, Jun Jiang, Aaron V. Kaplan, Yoshiaki Kawase, Joo Myung Lee

2:00 PM  TCT 1325: case presentation Dislodged Stent during bifurcation coronary stenting
Presenting Author: Ahmed Abdallah

2:00 PM  TCT 1326: AV fistula and early arterIALIZation of the vein after a radial approach PCI
Presenting Author: Ali Elsharkawi

2:00 PM  TCT 1327: Post Myocardial Infarction Ventricular Septal Defect Closure
Presenting Author: Ali Farooq

2:00 PM  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

2:00 PM  TCT 1329: Management of calcified coronary perforation after LM Bifurcation PCI with Rotatherm stent
Presenting Author: Ankush Gupta

2:00 PM  TCT 1331: Broken Undeflatable and Stuck Stent Balloon
Presenting Author: Ashish Singhal

2:00 PM  TCT 1332: CASE WE NEARLY LOST SAVED BY STENT ABLATION
Presenting Author: Ashish Singhal

2:00 PM  TCT 1333: The bifurcation that I will never forget
Presenting Author: Azzouz Abdelmalek

2:00 PM  TCT 1334: Learning Points of a Retrograde Percutaneous Coronary Intervention of a Chronic Total Occlusion with a Life Threatening Complication
Presenting Author: Judit Karacsonyi

2:00 PM  TCT 1335: Hanging by a Thread - Successful Retrieval of a Completely Fractured Coronary Wire
Presenting Author: Kartik Kumar

2:00 PM  TCT 1336: Double Guiding Management for Coronary Perforation
Presenting Author: Kazumasa Fujita

2:00 PM  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

2:00 PM  TCT 1338: SANDWICH STENT AS AN ALTERNATIVE TO COVERED STENT
Presenting Author: Kesavamoorthy Bhoopalan

2:00 PM  TCT 1339: Radial First .... Think Twice
Presenting Author: Khaled Mansour

2:00 PM - 3:30 PM
Endovascular V
Discussant: Roberto Gandini, Jon C. George, Scott Geraghty, Karthik R. Gujja, Sanjiv Lakanpal, Alexander Nikanorov, Kazuo Shimamura, Akhiles K. Sista

2:00 PM  TCT 1340: Successful Management Of Dislodged Stent In Distal Left Main
Presenting Author: Khatira Zaheen

2:00 PM  TCT 1341: A casewith Kounis syndrome after Optical Coherence Tomography OCT with Dextran

2:00 PM  TCT 1342: Dislodged Left Main Coronary Artery Stent into Left Deep Femoral Artery
Presenting Author: Kulin Shah

2:00 PM  TCT 1343: Predicted Coronary Occlusion and ImpellaBailoutin Valve In Valve Transcatheter Aortic Valve Replacement: The importance of Optimal Procedure Planning
Presenting Author: Luis Dallan

2:00 PM  TCT 1345: Acute in underexpanded stent thrombosis resulted in STEMI treated successfully with in stentrotablation
Presenting Author: Lukasz Tekieli

2:00 PM  TCT 1346: Delayed Consequences of Coronary Dissection Identified by OCT with IVUS Guided Management
Presenting Author: Luke Peters

2:00 PM  TCT 1347: An odd appearance in the middle of an ultra thin strut stent soon after deployment What is it and how do we manage
Presenting Author: Baskar Sekar

2:00 PM  TCT 1348: Exercise induced coronary spasm after everolimus eluting stent implantation
Presenting Author: Kais OUERGHI

2:00 PM  TCT 1349: LMS Left Main Stem bifurcation angioplasty memorable case
Presenting Author: Kumail Khan

2:00 PM  TCT 1350: Everolimus eluting Stent causing coronary artery aneurysm in 7 days 3D OCT findings and management
Presenting Author: Prafult Sharma

2:00 PM  TCT 1351: Calciﬁed LAD1 Bifurcation DK Crush to culotte technique
Presenting Author: Prereti Sharma

2:00 PM  TCT 1352: OCT Guided Bifurcation Stenting to LMLAD and RAMUS
Presenting Author: Selvamani Sethuraman

2:00 PM  TCT 1353: Serial Angioscopic Evaluation of Arterial Repair After the Implantation of Drug Coated Stent at the Culprit of Acute Coronary Syndrome
Presenting Author: Shumpei Kosugi

2:00 PM  TCT 1354: A case of successful treatment for chronic total occlusion using the rendezvous technique with a single guiding catheter.
Presenting Author: Takahisa Tanaka

2:00 PM - 3:30 PM
Endovascular V
Discussant: Roberto Gandini, Jon C. George, Scott Geraghty, Karthik R. Gujja, Sanjiv Lakanpal, Alexander Nikanorov, Kazuo Shimamura, Akhiles K. Sista

2:00 PM  TCT 1355: Transfemoral Transcatheter Aortic Valve Replacement inHigh risk Tortuous Aorta
Presenting Author: Jian Liang Tan

2:00 PM  TCT 1356: Staged Hybrid Transcatheter Thoracic Endovascular Aortic Repair TEVAR with Total Debranching of Supra aortic Trunks.
Presenting Author: Jonald Lucero

2:00 PM  TCT 1359: Successful Percutaneous Trapping of an Anomalous Splenic Artery Aneurysm

Last Updated 09/26/2019  Page: 127
TCT 1358: A case of humongous Thoracic Aneurysm with chest wall Erosion and Impending Rupture managed successfully by Thoracic Endo Vascular Aneurysm Repair  
Presenting Author: KESHAVAMURTHY G

2:00 PM

TCT 1360: Third Time is The Charm  
Presenting Author: Maryna Popp

2:00 PM

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 Salib

2:00 PM

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 Lcx then ascending TEVAR covering SVGs with retrograde coiling of endoleak from SVG to OM  
Presenting Author: Michael Rinaldi

2:00 PM

TCT 1363: Percutaneous closure of multiple subannular PA of aortic root following surgical aortic valve replacement  
Presenting Author: Oleg Krestyaninov

2:00 PM

TCT 1364: TRAUMATIC FISTULA BETWEEN THE INNOMINATED VEIN AND THE AORTIC ARCH.NOT EVERYTHING IS CORONARY  
Presenting Author: Paulina Cisneros

2:00 PM

TCT 1365: Fully percutaneous aneurysm sac embolization in type 1B endoleak  
Presenting Author: RAMON RAMIREZ KOELLIKER

2:00 PM

TCT 1366: Correction of a Malpositioned Self Expanding Transcatheter Aortic Valve Replacement Using Snare Manoeuvre.  
Presenting Author: uday ponangi

2:00 PM

TCT 1367: The Dynamic Evolution of Aortic Intramural Haematoma  
Presenting Author: XUN YUAN

2:00 PM

TCT 1368: Endovascular coil embolization treatment of a right coronary artery giant aneurysm  
Presenting Author: Yoshih Kazuno

2:00 PM

TCT 1369: Challenging renal artery intervention perforation and timely escape  
Presenting Author: Alok K. Ranjan

2:00 PM

TCT 1370: Never ending nightmare at femoral access site  
Presenting Author: Bhuwan Chandra Tiwari

2:00 PM

TCT 1371: Unexpected use of Proglide in Aortic Arch  
Presenting Author: Salvatore Sacca

2:00 PM

TCT 1372: Inadvertent large sheath deep in the proximal common carotid artery Succesful removal using Proglide Closure Device  
Presenting Author: Dimitrios Nikas

2:00 PM

TCT 1373: A Novel Subcutaneous Fat Tissue Embolisation Technique for Renal Hemorrhage Complications  
Presenting Author: KUNAL MAHAJAN

2:00 PM

TCT 1374: An unusual treatment of peripheral stent dislodgement  
Presenting Author: mehmet erturk

2:00 PM

TCT 1375: Iatrogenic Radial Artery Perforation in Coronary Intervention  
Presenting Author: Sathish Pararasaman

2:00 PM

TCT 1376: Blood Thrombin PatchRepair of Ruptured Femoral Artery Pseudo Aneurysm  
Presenting Author: Madhu K. Sreedharan

2:00 PM

TCT 1377: A simple thing can save the life  
Presenting Author: Fazila-Tun-Nesa Malik

2:00 PM

TCT 1378: the extraction of the Pecemaker Lead Entrapped by a Eustachian valve  
Presenting Author: Noriyuki Kawaura

2:00 PM

TCT 1379: Traumatic aorto atrial fistula due to peripheral stent migration.  
Presenting Author: Sonal Pruthi

2:00 PM

TCT 1380: Bail out from brow out perforation in SFA without stentgraft  
Presenting Author: Takuma Tsuda

2:00 PM

TCT 1381: A case with Leriche syndrome poplitea bilateral upper extremity acute limb ischemia four days after intracranial hemorrhage  
Presenting Author: Valentina Jaramillo

2:00 PM

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: Tatsunori Ikeda

2:00 PM

TCT 1383: A case report of 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: Tsubasa 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: KMK Reddy

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 Zoltowska

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: TATSUNORI IKEDA

2:00 PM
2:00 PM - 3:30 PM

**Coronary XIX**

**Discussant:** Robin Drah Nath Chakrabarty, Jeff Chambers, Kam-Tim Chan, Aakriti Gupta, Martin Hudc, Michael C. Kim, Spencer B. King III, Lloyd W. Klein, Sampath Kumar, Amir Latif, 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 Sagame

2:00 PM

**TCT 1394: Importance of Integrating Coronary Anatomy and Physiology**

*Presenting Author:* Ahmed El Amrawy

2:00 PM

**TCT 1395: The dPRFFR 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 Anomalous Coronary Arteries**

*Presenting Author:* Lerin 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**

**Discussant:** John P. Breinholt, Quang T. Bui, Eduardo De Marchena, Robert J. De Winter, Cameron Dowling, Makram R. Ebeid, Marvin H. Eng, Francisco Fernandez-Aviles, Craig E. Fleishman, Jason Foerst, Christian Frierker

2:00 PM

**TCT 1398: Alcohol Ablation of Extra cardiac Thoracic Tumor**

*Presenting Author:* NikoLoZ SHEKlADZE

2:00 PM

**TCT 1399: Novel Vascular Access for Percutaneous Transluminal Septal Myocardial Ablation: Case report of Two Patients 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 bioprosthesis mitral valve deterioration**

*Presenting Author:* Jason Wen

2:00 PM

**TCT 1403: CoreValve compression due to extreme Aortic Valve Calcification**

*Presenting Author:* John Ko

2:00 PM

**TCT 1404: 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 1405: Uncomplicated Balloon Aortic Valvuloplasty in a Patient with Severe Aortic Stenosis and Left Ventricular Thrombus Using Cerebral Embolic Protection Devices**

*Presenting Author:* Anan Khalif

2:00 PM

**TCT 1406: Percutaneous closure of Aorto Right Ventricular Fistula and Paravalvular leak after Transcatheter Aortic Valve Implantation**

*Presenting Author:* Ahmed Alabbady

2:00 PM

**TCT 1407: A tailored approach to Valve in Valve.**

*Presenting Author:* Antonio Mangieri

2:00 PM

**TCT 1408: Severe Aortic Insufficiency and a Ventricular Septal Defect as a Result of Endocarditis Treated with Valve in Valve TAVR and Ventricular Septal Defect Closure**

*Presenting Author:* Aliya Brenner

2:00 PM

**TCT 1409: TAVR in TAVR in a surgically replaced aortic valve with a homograft.**

*Presenting Author:* Fady Marmoush

2:00 PM

**TCT 1410: Catastrophic complication of intraprosthetic regurgitation during transcatheter aortic valve implantation**

*Presenting Author:* Yoshiki Matsuo

2:00 PM

**TCT 1411: TAVR in TAVR in a surgically replaced aortic valve with a homograft.**

*Presenting Author:* Fady Marmoush

2:00 PM

**TCT 1412: Catastrophic complication of intraprosthetic regurgitation during transcatheter aortic valve implantation**

*Presenting Author:* Yoshiki Matsuo

2:00 PM

**TCT 1413: BILATERAL TRANSRADIAL AORTIC VALVULOPLASTY WITH DOUBLE ANGIOPLASTY BALLOON OUR FIRST EXPERIENCE.**

*Presenting Author:* Ramiro Trillo

2:00 PM

**TCT 1414: First Transcaval Transcatheter Aortic Valve Replacement using 14F Axela Sheath and a 26mm Sapien Ultra Valve**

*Presenting Author:* Hector Alvarez

2:00 PM

**TCT 1415: A new era for minimally calcified aortic valve First in human use of the transcatheter Centerra valve in pure aortic regurgitation.**

*Presenting Author:* Hector Alvarez

2:00 PM

**TCT 1416: Unorthodox and Unnerving A Challenging Para Valvular Leak Closure**

*Presenting Author:* Imran BAIG

2:00 PM

**TCT 1417: When Access is the Issue: Transaxillary Approach for TAVR in a Patient with Peripheral Artery Disease**

*Presenting Author:* Jacob Grand

2:00 PM

**TCT 1418: Challenging transcatheter aortic valve implantation with Myval balloon expandable transcatheter heart valve in a patient with severely calcified bicuspid aortic valve and severe aortic stenosis**

*Presenting Author:* Yoshiki Matsuo
POSTERS ABSTRACTS II

Posters Abstracts II
Coronary: CHIPCoronary: CoreStructural: Valve

FRIDAY, SEPTEMBER 27, 2019
9:15 am - 10:45 am
Hall D

9:15 am - 10:45 am
Coronary VIII
Discussant: Mohamed Ali Elsalamony, Mohamed Elsayed Elsetiha, Mohammad El Tahlawi, Spencer B. King III, Ganesan 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: Piotr Kunik

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: Nobil 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: Pradeep Rajnala

9:15 am
TCT 933: Impact of Extremely Low Wall Shear Stress in Coronary Aneurysm in Patients With ST Segment Elevation Myocardial Infarction With Normal Coronary Arteries
Presenting Author: Toshiya Muramatsu

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 - 10:45 am
Coronary X
Discussant: Christoph Dietrich Garlich, Jorge Gaspar, Jun Jiang, Yader Sandoval, Ricardo Sant-Ruiz

9:15 am
TCT 936: MOCA I Study Microvascular obstruction treatment efficacy measured using dynamic Microvascular Resistance dMVR
Presenting Author: Robert S. Schwartz

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, Neal S. Kleiman, Hidetaka Nishina

9:15 am
TCT 942: Early procedural results and outcomes after chronic total occlusion angioplasty: experience of a treatment program
Presenting Author: Vera Marinho

9:15 am
TCT 943: Short term clinical outcomes of percutaneous coronary intervention of unprotected left main coronary disease in cardiogenic shock
Presenting Author: Luis Nombela-Franco

9:15 am
TCT 944: Excimer Laser Coronary Angioplasty for Stent Underexpansion: Single Center Experience and Outcomes
Presenting Author: John Nan
<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Presenting Author</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:15 AM</td>
<td>TCT 945: 30 day Readmission Following Revascularization in Patients With Chronic Total Occlusion of Coronary Arteries Presenting With Angina: Insight From Nationwide Readmission Database</td>
<td>Neel Patel</td>
</tr>
<tr>
<td>9:15 AM</td>
<td>TCT 946: 30 Day and 1 Year Outpatient PCI Outcomes after Same Day Discharge: A Retrospective Single Center VA Experience</td>
<td>Sanket Gokhale</td>
</tr>
<tr>
<td>9:15 AM</td>
<td>TCT 947: Clinical outcomes at 3 years of the Absorb bioresorbable vascular scaffold versus the Xience drug eluting metallic stent in diabetic or non diabetic patients in routine PCI AIDA trial sub study.</td>
<td>Ruben Tijssen</td>
</tr>
<tr>
<td>9:15 AM - 10:45 AM</td>
<td>Coronary XII Discussant: Lloyd W. Klein, Shahar Lavi, Abdullah Al Shafi Majumder, Carlos E. Uribe, Zhao Wang, Jennifer Yu</td>
<td></td>
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<tr>
<td>9:15 AM</td>
<td>TCT 948: Treatment of Very Small De Novo Coronary Artery Disease With 2.25 mm Novel Sirolimus Eluting Stent with fusion coating technology</td>
<td>Luca Testa</td>
</tr>
<tr>
<td>9:15 AM</td>
<td>TCT 949: Causes and predictors of 6 month readmission rate after drug eluting stent in the contemporary era: A nationwide analysis</td>
<td>Syed Zaid</td>
</tr>
<tr>
<td>9:15 AM</td>
<td>TCT 950: Efficacy and Safety of the Bioabsorbable Polymer coated Everolimus eluting coronary stents in Routine Clinical Practice: Data from the IRIS DES Registry</td>
<td>Yujin Yang</td>
</tr>
<tr>
<td>9:15 AM</td>
<td>TCT 951: Cancer diagnosis in patients undergoing percutaneous coronary intervention</td>
<td>KENJI KANENAWA</td>
</tr>
<tr>
<td>9:15 AM</td>
<td>TCT 952: Prediction Model for Clinically Relevant Diagonal Branches Based on Anatomical Attributes</td>
<td>Seokhun Yang</td>
</tr>
<tr>
<td>9:15 AM - 10:45 AM</td>
<td>Coronary XIII Discussant: Shigeru Nakamura, Eugenia Nikolsky, Alexander Grigorievich Osiev, George J. Vlachojannis, Alexandre C. Zago</td>
<td></td>
</tr>
<tr>
<td>9:15 AM</td>
<td>TCT 953: Zero Contrast Percutaneous Coronary Interventions for Protection of Kidney Function in Patients With Severe Renal Impairment and Hemodialysis Subjects With Residual Diuresis</td>
<td>Jerzy Sacha</td>
</tr>
<tr>
<td>9:15 AM</td>
<td>TCT 954: 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</td>
<td>Guofeng Gao</td>
</tr>
<tr>
<td>9:15 AM</td>
<td>TCT 955: Postprocedural Radial Artery Compression Time In ChronicAnticoagulated patientusiing StatSeal: The PRACTICAL SEAL Feasibility Study</td>
<td>Rodrigo Bagur</td>
</tr>
<tr>
<td>9:15 AM</td>
<td>TCT 956: Distal Transradial Approach for Primary Percutaneous Coronary Intervention for Patients With Acute Myocardial Infarction: A Multicentre Study</td>
<td>Takeshi Yamada</td>
</tr>
<tr>
<td>9:15 AM</td>
<td>TCT 957: Relationship Between Sclerostin and Coronary Tortuosity in Postmenopausal Females With Non Obstructive Coronary Artery Disease</td>
<td>El Sayed Farag</td>
</tr>
<tr>
<td>9:15 AM</td>
<td>TCT 958: Prognostic Evaluation of Point Of Care Lung Ultrasoundand Left Ventricle End Diastolic Pressure in Patients With ST Segment Elevation Myocardial Infarction Submitted to Coronary Angiography</td>
<td>Rafael Coimbra Ferreira Beltrame</td>
</tr>
<tr>
<td>9:15 AM</td>
<td>TCT 959: Comparison of Coronary Artery Dimensions Between Asian and Caucasian Subjects Who are Free From Coronary Artery Disease CAD:</td>
<td>Jaroslaw Skowroński</td>
</tr>
<tr>
<td>9:15 AM</td>
<td>TCT 960: Feasibility of Morphological Assessment of Coronary Artery Calcium with Electrocardiogram gated Non contrast Computed Tomography: A Comparative Study with Optical Coherence Tomography</td>
<td>Riccardo Colantonio</td>
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</tbody>
</table>
9:15 am - 10:45 am
Coronary and Structural I
Discussant: Alejandro Cherro, Matthew J. Daniels, Eduardo De Marchena, Robert J. De Winter, Cameron Dowling, Christophe Dubois, Karel Koch, Heitor Medeiros

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 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: bhishma 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: Nao Yasuda

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  
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 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
<table>
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<tr>
<th>Time</th>
<th>Event</th>
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</table>
| 9:15 AM  | TCT 995: Novel Bioresorbable Closure Device with Biological Scaffold Seal  
             Presenting Author: David Reuter, MD |
| 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                  |

### PHYSIOLOGY SIMPLIFIED: A HANDS-ON RFR SKILLS LAB

**Physiology Simplified: A Hands-On RFR Skills Lab**

**Coronary: Core**

**FRIDAY, SEPTEMBER 27, 2019**

**8:00 AM - 8:15 AM**

**Didactic Session**

Training Pavilion Faculty: Kevin J. Croce, Vamsi Krishna, Eric Lindley, Bruce Samuels, R. Jay Widmer, Jason Wollmuth

**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, Eric Lindley, Bruce Samuels, R. Jay Widmer, Jason Wollmuth

### THE IMPACT OF DESIGN ON CORONARY GUIDEWIRE PERFORMANCE: A HANDS-ON EXPERIENCE

**The Impact of Design on Coronary Guidewire Performance: A Hands-On Experience**

**Coronary: CHIPCoronary: Core**

**FRIDAY, SEPTEMBER 27, 2019**

**12:00 PM - 1:30 PM**

**Abbott Pavilion**

**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 SupportSpecialty Wires Overview and Hands On Activity

**1:10 PM**

TurnTrac Wire Overview and Hands On Activity

### 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**

**Coronary: Core**

**FRIDAY, SEPTEMBER 27, 2019**

**10:00 AM - 11:30 AM**

**Abbott Pavilion**

**10:00 AM - 10:20 AM**

**OCT: Now That I See It — Presentation**


**10:20 AM - 11:30 AM**

**Hands-On Sessions**


### PHYSIOLOGY SIMPLIFIED: A HANDS-ON RFR SKILLS LAB

**Physiology Simplified: A Hands-On RFR Skills Lab**

**Coronary: Core**

**FRIDAY, SEPTEMBER 27, 2019**

**2:00 PM - 3:30 PM**

**Abbott Pavilion**

**2:00 PM**

**Didactic Session**
TRANSCATHETER VALVE THERAPY | FRIDAY, SEPTEMBER 27, 2019

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, Eric Lindley, R. Jay Widmer, Jason Wollmuth

LARGE-BORE ACCESS TO CLOSE: WHAT YOU WANT (AND NEED) TO KNOW

Large-Bore Access To Close: What You Want (and Need) To Know
Structural: Valve/Vascular

FRIDAY, SEPTEMBER 27, 2019
4:00 PM - 5:30 PM
Abbott Pavilion

4:00 PM - 4:20 PM
Introduction: Access Planning and Management Complications Review
Training Pavilion Faculty: Adhir Shroff, Rajeev Tayal

4:20 PM - 5:30 PM
Hands-On Device Deployment
Training Pavilion Faculty: Adhir Shroff, Rajeev Tayal

ROTAPRO™ FOR PLAQUE MODIFICATION AND VESSEL PREP

ROTAPRO™ for Plaque Modification and Vessel Prep
Coronary: CHIP/Coronary: Core

FRIDAY, SEPTEMBER 27, 2019
8:00 AM - 9:30 AM
Boston Scientific Pavilion

8:00 AM - 9:30 AM
ROTAPRO™ for Plaque Modification and Vessel Prep
Training Pavilion Faculty: Ramy Badawi, Sanjog Kalra

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

COMPLEX LESION ALGORITHMIC APPROACH: PROVEN DEVICES AND NEW APPLICATIONS

Complex Lesion Algorithmic Approach: Proven Devices and New Applications
Coronary: CHIP/Coronary: Core

FRIDAY, SEPTEMBER 27, 2019
10:00 AM - 11:30 AM
Boston Scientific Pavilion

10:00 AM - 11:30 AM
Complex Lesion Algorithmic Approach: Proven Devices and New Applications
Training Pavilion Faculty: Brian K. 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

TRANSSEPTAL HANDS-ON TRAINING PROGRAM

Transseptal Hands-On Training Program
Structural: Valve/Non-Valve

FRIDAY, SEPTEMBER 27, 2019
12:00 PM - 1:30 PM
Boston Scientific Pavilion

12:00 PM - 1:30 PM
Transseptal Hands-On Training Program
Training Pavilion Faculty: Paul D. Mahoney, Rahul Prakash Sharma, Thomas E. Waggoner

12:00 AM
Introduction
12:05 AM
Video Tutorials
12:20 AM
Step by Step Transseptal Technique Interventional Tools and Complication Management
12:40 AM
Hands On Rotations

ADVANCED TECHNIQUES FOR LAAC PROGRAMS
Advanced Techniques for LAAC Programs
Structural: Non-Valve

FRIDAY, SEPTEMBER 27, 2019
2:00 PM - 3:30 PM
Boston Scientific Pavilion

Advanced Techniques for LAAC Programs
Training Pavilion Faculty: Mohamad Adnan Alkhouli, Amar Patel, Willis Wu

2:00 PM Introduction
2:05 PM DataProcedural Overview
2:35 PM Case Reviews and Workflow Examples

WHO IS MY POTENTIAL RDN CANDIDATE?: AN INTERACTIVE DISCUSSION ON RDN CANDIDATE SELECTION

Who is my Potential RDN Candidate?: An Interactive Discussion on RDN Candidate Selection
Vascular

TRANSSEPTAL HANDS-ON TRAINING PROGRAM

Transseptal Hands-On Training Program
Structural: Valve Structural: Non-Valve

FRIDAY, SEPTEMBER 27, 2019
4:00 PM - 5:30 PM
Boston Scientific Pavilion

Transseptal Hands-On Training Program
Training Pavilion Faculty: Paul D. Mahoney, Thomas E. Waggoner

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

BIFURCATION PCI: A STEP-BY-STEP TRAINING APPROACH (VISIBLE HEART)

Bifurcation PCI: A Step-by-Step Training Approach (Visible Heart)
Coronary: CoreCoronary: CHIP

FRIDAY, SEPTEMBER 27, 2019
10:00 AM - 11:30 AM
Medtronic Pavilion

Bifurcation PCI: A Step-by-Step Training Approach (Visible Heart)
Training Pavilion Faculty: Francesco Burzotta, Ricardo A. Costa, David Hildick-Smith, Jens Flensted Lassen, Azeem Latib, 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 AND THE HIGH BLEEDING RISK PATIENT: REAL-WORLD CASE REVIEWS AND DISCUSSION

FRIDAY, SEPTEMBER 27, 2019
8:00 AM - 9:30 AM
Medtronic Pavilion

8:00 AM Welcome and 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: tHGT 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
### Onyx ONE and the High Bleeding Risk Patient: Real-World Case Reviews and Discussion

**Coronary: CHIP**

**Friday, September 27, 2019**

**12:00 PM - 1:30 PM**

Medtronic Pavilion

**12:00 PM - 1:30 PM**

Onyx ONE and the High Bleeding Risk Patient: Real-World Case Reviews and Discussion

Training Pavilion Faculty: Aloke Finn, Elvin Kedhi, Roxana Mehran, Daniel I. Simon, Stephan Windecker

---

### TAVR IN BICUSPID AORTIC VALVES

**TAVR in Bicuspid Aortic Valves**

**Structural: Valve**

**Friday, September 27, 2019**

**2:00 PM - 3:30 PM**

Medtronic Pavilion

**2:00 PM - 3:30 PM**

TAVR in Bicuspid Aortic Valves

Training Pavilion Faculty: John K. Forrest

- **2:00 PM** Introduction
- **2:05 PM** Overview Identification Sizing and Classification of Bicuspid Aortic Valves
- **2:30 PM** Procedural Considerations
- **2:45 PM** 3Mensio Imaging Review
- **3:00 PM** Interactive Case Review and Assessment

---

### CONTEMPORARY CONSIDERATIONS FOR TAVR HEMODYNAMICS

**Contemporary Considerations for TAVR Hemodynamics**

**Structural: Valve**

**Friday, September 27, 2019**

**4:00 PM - 5:30 PM**

Medtronic Pavilion

**4:00 PM** - **5:30 PM**

Contemporary Considerations for TAVR Hemodynamics

Training Pavilion Faculty: Guilherme Attizzani, G. Burkhard Mackensen, Michael J. Reardon

- **4:00 PM** Introduction
- **4:05 PM** Importance of TAVR Hemodynamics and Current Data
- **4:30 PM** TAVR Imaging Assessments: What Every Implanter Needs to Know
- **5:00 PM** Interactive Discussion and Case Reviews

---

### SEE CLEARLY, TREAT OPTIMALLY: PRACTICAL TRAINING IN DYNAMIC CORONARY ROADMAP AND INTRASIGHT

**See Clearly, Treat Optimally: Practical Training in Dynamic Coronary Roadmap and IntraSight**

**Coronary: Core**

**Friday, September 27, 2019**

**8:00 AM - 9:30 AM**

CRF Pavilion 1

**8:00 AM - 9:30 AM**

See Clearly, Treat Optimally: Practical Training in Dynamic Coronary Roadmap and IntraSight

Training Pavilion Faculty: Karim Al-Azizi, Jasvindar Singh

- **8:00 AM** Introduction
- **8:05 AM** KOL Presentation: WAZE to See Clearly and Guide Confidently
- **8:10 AM** Case Based Review
- **8:25 AM** Dynamic Roadmap With Simulator
- **8:40 AM** IntraSight 7: Physiology and Sync
- **8:55 AM** IntraSight 7: IVUS and Sync
- **9:10 AM** Level EX Rotation
- **9:25 AM** Closing and Adjourn

---

### SEE CLEARLY, TREAT OPTIMALLY: PRACTICAL TRAINING IN INTRASIGHT, IFR AND IFR CO-REGISTRATION

**See Clearly, Treat Optimally: Practical Training in IntraSight, iFR and iFR Co-Registration**

**Coronary: Core**

**Friday, September 27, 2019**

**4:00 PM - 5:30 PM**

Medtronic Pavilion

**4:00 PM - 5:30 PM**

See Clearly, Treat Optimally: Practical Training in IntraSight, iFR and iFR Co-Registration
See Clearly, Treat Optimally: Practical Training in IntraSight, iFR and iFR Co-Registration
Training Pavilion Faculty: Karim Al-Azizi, Christopher Cook

10:00 AM
Introduction
10:05 AM
KOL Presentation: Dotting the Eyes With iFRs DEFINE PCI
10:25 AM
Dynamic Roadmap With Simulator
10:40 AM
IntraSight 7: Physiology and Sync
10:55 AM
IntraSight 7: IVUS and Sync
11:10 AM
Level EX Rotation
11:25 AM
Closing and Adjourn

HANDS-ON TRAINING ON ELCA LASER FOR COMPLEX CORONARY INTERVENTIONS (A JOURNEY TO LASER TRAINING REQUIREMENTS)

Hands-On Training on ELCA Laser for Complex Coronary Interventions (A Journey to LASER Training Requirements)
Coronary: Core

FRIDAY, SEPTEMBER 27, 2019
12:00 PM - 1:30 PM
CRF Pavilion 1

12:00 PM - 1:30 PM
Hands-On Training on ELCA Laser for Complex Coronary Interventions (A Journey to LASER Training Requirements)
Training Pavilion Faculty: Kevin J. Croce, Arasi Maran

12:00 PM
Introduction
12:05 PM
KOL Presentation: Another Notch on Your Complex PCI Tool Belt A Journey to LASER Competence
12:25 PM
Laser Hands On
12:40 PM
Simulator 1: ISR Case
12:55 PM
Simulator 2: CTO Case
1:10 PM
KOL Doing Cases

SEE CLEARLY, TREAT OPTIMALLY: IVUS SIMPLIFIED (A HANDS-ON SKILLS TRAINING PROGRAM)

See Clearly, Treat Optimally: IVUS Simplified (A Hands-on Skills Training Program)
Coronary: Core

FRIDAY, SEPTEMBER 27, 2019
4:00 PM - 5:30 PM
CRF Pavilion 1

4:00 PM
Introduction
4:05 PM
KOL Presentation: The ULTIMATE Outcome with IVUS
WHAT YOU NEED TO KNOW REGARDING THE CLASP IID/IIF PIVOTAL TRIAL: NOVEL MITRAL REPAIR SYSTEM CURRENTLY UNDER CLINICAL STUDY IN THE US

FRIDAY, SEPTEMBER 27, 2019
8:00 AM - 9:30 AM
CRF Pavilion 2

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 Faculty: Konstantinos P. Koulogiannis, Scott Lim, Robert L. Smith

8:00 AM Didactic Session: Disease Overview Product Overview and Case Reviews and Clinical Trial Overview
8:00 AM Clinical Trial Overview
Training Pavilion Faculty: Scott Lim
8:10 AM Disease Overview What is in CLASP IID What is in IIF and What isnt in Either
Training Pavilion Faculty: Robert L. Smith
8:20 AM PASCAL Device Overview
Training Pavilion Faculty: Scott Lim
8:30 AM Case Reviews
Training Pavilion Faculty: Konstantinos P. Koulogiannis

10:00 AM Device Demonstration

WORLD LAUNCH OF THE EDWARDS BENCHMARK PROGRAM: IMPROVING PATIENT ACCESS AND OUTCOMES WITHOUT COMPROMISING SAFETY — CONSISTENT OUTCOMES, AGNOSTIC OF VOLUME

FRIDAY, SEPTEMBER 27, 2019
12:00 PM - 1:30 PM
CRF Pavilion 2

World Launch of the Edwards BENCHMARK Program: Improving Patient Access and Outcomes Without Compromising Safety — Consistent Outcomes, Agnostic of Volume
Training Pavilion Faculty: Peter Bittenbender, Sara Dezell, Derk Frank, Tsuyoshi Kaneko, Lorie Mariano, Charles Nyman, Pinak B. Shah
### World Launch of the Edwards BENCHMARK Program: Improving Patient Access and Outcomes Without Compromising Safety — Consistent Outcomes, Agnostic of Volume

**Training Pavilion Faculty:** Oluseun Alli, Rosemary Hansen, Vijay Iyer, Lorie Mariano, Douglas F. Muir, Charles Nyman, Mark Spence, Alex Vasquez

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>2:00 PM - 3:30 PM</td>
<td>Didactic Sessions</td>
</tr>
<tr>
<td>3:00 PM</td>
<td>Application: Using the App</td>
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</tbody>
</table>

### Considerations for Managing TAVR and Concomitant Coronary Artery Disease (CAD) in This New World

**Training Pavilion Faculty:** Derk Frank, Ethan C. Korngold, Mark J. Russo, Janarthanan Sathanathan, Rahul Prakash Sharma, John G. Webb, David A. Wood

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<thead>
<tr>
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<tr>
<td>4:00 PM - 5:30 PM</td>
<td>Access to Coronaries after TAVR: The Next Big Thing</td>
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<td>Training Pavilion Faculty: John G. Webb</td>
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<tr>
<td>4:10 PM</td>
<td>The Scope of the Problem: Review of Recent Evidence</td>
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<td>Training Pavilion Faculty: Janarthanan Sathanathan</td>
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<tr>
<td>4:20 PM</td>
<td>When is TAVR and PCI not Appropriate: A Surgeons Perspective</td>
</tr>
</tbody>
</table>

### Be Calculated: Optimizing Preparation of Severely Calcified Coronary Lesions

**Training Pavilion Faculty:** Nirat Beohar, Prashant Kaul, Ashok Kondur, Rajesh V. Swaminathan

<table>
<thead>
<tr>
<th>Time</th>
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<tr>
<td>8:00 AM - 9:30 AM</td>
<td>Introduction</td>
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<tr>
<td>8:05 AM</td>
<td>Didactic Including Case Review</td>
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<tr>
<td>8:50 AM</td>
<td>Hands On</td>
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### COMPLETE TAVR: Study Design and Rationale

**Training Pavilion Faculty:** Mark J. Russo

<table>
<thead>
<tr>
<th>Time</th>
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<tr>
<td>4:30 PM</td>
<td>Challenging Coronary Access Case</td>
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<td>Training Pavilion Faculty: Ethan C. Korngold</td>
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<tr>
<td>4:35 PM</td>
<td>Discussion</td>
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<tr>
<td>4:40 PM</td>
<td>Challenging Coronary Access Case</td>
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<td>Training Pavilion Faculty: Rahul Prakash Sharma</td>
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<tr>
<td>4:45 PM</td>
<td>Discussion</td>
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<tr>
<td>4:50 PM</td>
<td>Challenging Coronary Access Case</td>
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<td>Training Pavilion Faculty: Derk Frank</td>
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<tr>
<td>4:55 PM</td>
<td>Discussion</td>
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<tr>
<td>5:00 PM</td>
<td>COMPLETE TAVR: Study Design and Rationale</td>
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<td>Training Pavilion Faculty: David A. Wood</td>
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### TRANSCATHETER VALVE THERAPY | FRIDAY, SEPTEMBER 27, 2019
ESSENTIAL GUIDEWIRE AND MICROCATHETER TECHNIQUES FOR COMPLEX PCI

Coronary: CHIP
Coronary: Core

FRIDAY, SEPTEMBER 27, 2019
2:00 pm - 3:30 pm
CRF Pavilion 3

2:00 pm
Introduction

2:05 pm
Guidewire and 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
9:30 am - 10:20 am
Moderated Posters 2

9:30 am
TCT 382: Technical Issues in Two Stent Distal Left Main Bifurcation Treatment: An EXCEL Trial Intravascular Ultrasound Substudy
Presenting Author: Tatsuhiro Fujimura

9:37 am
Discussion

9:40 am
TCT 383: Ten year Clinical Outcomes of Sirolimus Versus Paclitaxel Eluting Stents for Patients With Unprotected Left Main Coronary Artery Disease
Presenting Author: Euihong Ko

9:47 am
Discussion

9:50 am
TCT 384: Is Higher Operator Volumes for Unprotected Left Main Stem PCI Associated with Improved Patient Outcomes A Survival analysis of 6748 cases from the British Cardiovascular Intervention Society National Database
Presenting Author: tim kinnaird

9:57 am
Discussion

10:00 am
TCT 385: The MADS classification in patients undergoing left main percutaneous coronary intervention: Technique Analysis from the IDEAL LM Trial
Presenting Author: CHUN CHIN CHANG

10:07 am
Discussion

10:10 am
TCT 386: Long Term Outcomes After Left Main PCI: An Individual Patient Data Pooled Analysis of 21 Randomized Controlled Trials
Presenting Author: mayank yadav

10:17 am
Discussion
**Left Atrial Appendage Exclusion - 1**

**Structural: Non-Valve**

**FRIDAY, SEPTEMBER 27, 2019**

9:30 AM - 10:30 AM

Moderated Posters 1

**9:30 AM - 10:30 AM**

**Left Atrial Appendage Exclusion - 1**

Moderators: Krzysztof Bartus, Robert J. Cubeddu
Discussants: Francesco Bedogni, Stefan C. Bertog, Habib Gamra, Jai-Wun Park

**9:30 AM**

TCT 370: Clinical Outcomes of Subjects With and Without Prior Gastrointestinal Bleeding in the Amplatzer Amulet Observational Study

*Presenting Author: Jacob Odenstedt*

**9:37 AM** Discussion

**9:40 AM**

TCT 371: Safety and Feasibility of Same Day Discharge after Left Atrial Appendage Closure

*Presenting Author: Thomas Gilhofer*

**9:47 AM** Discussion

**9:50 AM**

TCT 372: The Impact of CHA2DS2 VASc and HAS BLED Scores on Clinical Outcomes in the Amplatzer Amulet Observational Study

*Presenting Author: Jens Erik Nielsen-Kudsk*

**9:57 AM** Discussion

**10:00 AM**

TCT 373: LAA occlusion with the Amplatzer and AMULET devices long term outcomes in a high risk cohort

*Presenting Author: Tobias Tichelbäcker*

**10:07 AM** Discussion

**10:10 AM**

TCT 374: Residual left atrial appendage patency identified by early computed tomography analysis following percutaneous occlusion: prevalence and impact on outcome

*Presenting Author: Nicolas Amabile*

**10:17 AM** Discussion

**10:20 AM**

TCT 375: Canadian WATCHMAN Registry for Percutaneous Left Atrial Appendage Closure

*Presenting Author: Jacqueline Saw*

**10:27 AM** Discussion

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**NATURAL HISTORY AND MANAGEMENT OF BICUSPID AORTIC VALVE DISEASE**

**Structural: Valve**

**FRIDAY, SEPTEMBER 27, 2019**

9:30 AM - 10:10 AM

Moderated Posters 1

**9:30 AM - 10:10 AM**

**Management of Antiplatelet Therapy and Anticoagulation in Patients Undergoing PCI - 3**

**Coronary: Core**
9:30 AM - 10:10 AM  
Natural History and Management of Bicuspid Aortic Valve Disease  
Moderators: Michael A. Borger, Discussants: 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  

9:37 AM  
Discussion  

9:40 AM  
TCT 426: TAVR vs. SAVR for Bicuspid Aortic Valve  
Presenting Author: John Cyril Lisko  

9:47 AM  
Discussion  

9:50 AM  
TCT 428: Altered Valve Eccentricity and Hemodynamics in Sievers Type 0 Compared to Type 1 Bicuspid Aortic Valves post Transcatheter Aortic Valve Replacement  
Presenting Author: Scott M. Chadderdon  

9:57 AM  
Discussion  

10:00 AM  
TCT 429: Development of moderate or severe aortic stenosis from significant aortic regurgitation: a different path to mixed aortic valve disease  
Presenting Author: Li-Tan Yang  

10:07 AM  
Discussion  

OUTCOMES AFTER PRIMARY PCI - 5  

FRIDAY, SEPTEMBER 27, 2019  
9:30 AM - 10:30 AM  
Moderated Posters 7  

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  

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  

10:00 AM  
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: Ramiro Trillo  

10:17 AM  
Discussion  

10:20 AM  
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  
Moderated Posters 3  

9:30 AM - 10:30 AM  
Peripheral Vascular Intervention - 2  
Moderators: John Moriarty, Ramon L. Varcoe, Discussants: Mohammad Mehdi Ansari, Gerardo Nau  

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
Physiologic Lesion Assessment - 3

Coronary: Core

FRIDAY, SEPTEMBER 27, 2019
9:30 AM - 10:20 AM
Moderated Posters 6

9:30 AM - 10:20 AM
Physiologic Lesion Assessment - 3
Moderators: Upendra Kaul, Michael J. Lim
Discussants: Samer Mansour, Oscar A. Mendiz

9:30 AM
TCT 587: Comparison of ticagrelor with clopidogrel on myocardial blood flow measured by N 13 ammonia positron emission tomography in patients with acute coronary syndrome
Presenting Author: Kyungil Park

9:37 AM
Discussion

9:40 AM
TCT 588: Mid and Long term Clinical Outcomes of Percutaneous Coronary Intervention with Drug Eluting stent Implantation: Fractional Flow Reserve Guided Versus Intravascular Ultrasound Guided
Presenting Author: Kounosuke Inoue

9:47 AM
Discussion

9:50 AM
TCT 589: Role of the Position of the Pressure Guidewire Sensor Distal to the Coronary Artery Stenosis on Fractional Flow Reserve Measurements
Presenting Author: Karl Isaaz

9:57 AM
Discussion

10:00 AM
TCT 591: A Comparison of Clinical and Coronary Physiology Characteristics in Patients With and Without Type 4a Myocardial Infarction Following High Speed Rotational Atherectomy Assisted Percutaneous Coronary Intervention
Presenting Author: Damien Collison

10:07 AM
Discussion

10:10 AM
TCT 592: Exercise induced EPC mobilization improved the endothelial dysfunction in PCI patients
Presenting Author: Jae Hyoung Park

10:17 AM
Discussion

REVASCULARIZATION IN PATIENTS WITH DIABETES - 2

Revascularization in Patients With Diabetes - 2

Moderators: Michael Maeng, Robert L. Wilensky
Discussants: Usman Baber, Mark Goldberger

9:30 AM - 10:30 AM
Revascularization in Patients With Diabetes - 2

Moderated Posters 8

9:30 AM
TCT 633: Impact of Diabetes on the Outcomes of Chronic Total Occlusion Percutaneous Coronary Interventions: An Updated Systematic Review and Meta analysis
Presenting Author: Abdelrahman Ali

9:37 AM
Discussion

9:40 AM
TCT 634: Trend analysis of In Hospital Outcomes for Patients with Chronic Total Coronary Occlusion with Diabetes Undergoing PCI vs. CABG
Presenting Author: Birendra Amgai

9:47 AM
Discussion

9:50 AM
TCT 635: Combined and Independent Impact of Diabetes Mellitus and Elevated C Reactive Protein Levels on Risk for Death and MI Following PCI: Insights from a Large Single Center Registry
Presenting Author: Usman Baber

9:57 AM
Discussion

10:00 AM
TCT 636: Impact of diabetes on the outcomes in patients undergoing contemporary percutaneous coronary intervention: Analysis from the GLOBAL LEADERS study
Presenting Author: Ply Chichareon

10:07 AM
Discussion

10:10 AM
TCT 637: Influence of diabetes on 1 year Outcome after Revascularization with BioFreedom stent or Orsiro Stents: a SORT OUT IX substudy
Presenting Author: Kirstine Hansen

10:17 AM
Discussion

10:20 AM
TCT 638: Diabetes Mellitus Confers Worse Clinical Outcomes At 1 Year Compared to Non Diabetes Mellitus In An All Comer Population Imпланted With Biodegradable Polymer Everolimus Eluting Stents
BIORESORBABLE SCAFFOLDS - 3

10:30 am - 11:20 am
Bioresorbable Scaffolds - 3
Moderators: Sundeep Mishra
Discussants: Sunao Nakamura, Manel Sabate

10:30 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

10:37 am
Discussion

10:40 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

10:47 am
Discussion

10:50 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

10:57 am
Discussion

11:00 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

11:07 am
Discussion

11:10 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

11:17 am
Discussion

CHRONIC TOTAL OCCLUSIONS - 1

10:30 am - 11:30 am
Chronic Total Occlusions - 1
Moderators: Darshan Doshi, James Sapontis
Discussants: Waleed El Awady, Miroslaw Ferenc

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

DRUG-ELUTING STENT STUDIES - 3

10:30 am - 11:30 am
Drug-Eluting Stent Studies - 3
Moderators: Sundeep Mishra
Discussants: Sunao Nakamura, Manel Sabate
Drug-Eluting Stent Studies - 3
Moderators: Philippe E. Gaspard, Henning Kelbæk
Discussants: Young-Hak Kim, Scott Kinlay, Dmitry P. Stolyarov

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
Presenting Author: Christian Oliver Fallesen

10:57 AM - Discussion

11:00 AM - TCT 291: Comparison of Thromboresistance between a Polymer Free Eluting Fluoropolymer Stent and a Biodegradable Polymer Ultrathin Strut Sirolimus Eluting Orsiro Stent in Patients with Acute Coronary Syndromes. From the SORT OUT IX Trial
Presenting Author: Hiroyuki Jinnouchi

11:07 AM - Discussion

11:10 AM - 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: Marco Ferrone

11:17 AM - Discussion

11:20 AM - 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: Hyeon Jeong Kim

11:27 AM - Discussion

LMCA INTERVENTION - 2

10:30 AM - TCT 388: Very Long Term gt10 Years Safety and Effectiveness of Drug Eluting or Bare Metal Stents for Unprotected Left Main Coronary Disease
Presenting Author: Ju Hyeon Kim

10:37 AM - Discussion

10:40 AM - 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

10:47 AM - Discussion

10:50 AM - 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 - Discussion

11:00 AM - 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

11:07 AM - Discussion

11:10 AM - 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

11:17 AM - Discussion

11:20 AM - 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 lopez rojas

11:27 AM - Discussion

LEFT ATRIAL APPENDAGE EXCLUSION - 2

Left Atrial Appendage Exclusion - 2
Structural: Non-Valve

FRIDAY, SEPTEMBER 27, 2019
10:30 AM - 11:30 AM
Moderated Posters 5

10:30 AM - TCT 388: Very Long Term gt10 Years Safety and Effectiveness of Drug Eluting or Bare Metal Stents for Unprotected Left Main Coronary Disease
Presenting Author: Ju Hyeon Kim

10:37 AM - Discussion

10:40 AM - 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

10:47 AM - Discussion

10:50 AM - 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
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10:57 AM - Discussion

11:00 AM - 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

11:07 AM - Discussion

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Presenting Author: Mohamed Omer

11:17 AM - Discussion

11:20 AM - 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 lopez rojas

11:27 AM - Discussion

10:30 AM - 11:30 AM
Left Atrial Appendage Exclusion - 2
Moderators: Jason H. Rogers, Apostolos Tzikas
Discussants: Anibal A. Damonte, David E. Thaler
10:30 AM  TCT 376: Randomized Trial of Conventional Transseptal Needle Versus Radiofrequency Energy Needle Puncture for Left Atrial Access during Cryoballoon Ablation the CRYO LATS Study  
Presenting Author: Jason Andrade

10:37 AM  Discussion

10:40 AM  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

10:47 AM  Discussion

10:50 AM  TCT 378: Percutaneous Left Atrial Appendage Closure in Female Patients  
Presenting Author: Konstantinos Voudris

10:57 AM  Discussion

11:00 AM  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  Discussion

11:10 AM  TCT 380: Feasibility of LAmbré in Occluding Large Left Atrial Appendage  
Presenting Author: So Chak Yu

11:17 AM  Discussion

11:20 AM  TCT 381: TAVR Patients at high Risk for Bleeding Value of LAAO in this special cohort  
Presenting Author: Felix Woitek

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  
Moderated Posters 7

10:30 AM - 11:30 AM  
Outcomes After Primary PCI - 6  
Moderators: Debabrata Mukherjee, Francesco PellicciaDiscussants: Sameer Mehta, 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

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  
Moderated Posters 1

10:30 AM - 11:30 AM  
Natural History and Management of Mitral and Tricuspid Valve Disease - 6  
Moderators: James S. Gammie, Satya ShreenivasDiscussants: Michael H. Crawford, 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
PERIPHERAL VASCULAR INTERVENTION - 3

Peripheral Vascular Intervention - 3

FRIDAY, SEPTEMBER 27, 2019
10:30 AM - 11:30 AM
Moderated Posters 3

10:30 AM - 11:30 AM
Peripheral Vascular Intervention - 3
Moderators: Bagrat Alekyan, Tony DasDiscussants: Alex Chebl, Peter P. Monteleone, Rahul S. Patel

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
Moderated Posters 5

11:30 AM - 12:30 PM
Alcohol Septal Ablation/HOCM
Moderators: George S. Hanzel, Hubert SeggewissDiscussants: 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
**TRANSCATHETER VALVE THERAPY** | FRIDAY, SEPTEMBER 27, 2019

**CHRONIC TOTAL OCCLUSIONS - 2**

**CATH LAB OF THE FUTURE - 1**

**Cath Lab of the Future - 1**

**Moderators:** Peter J. J. Fitzgerald

**Discussants:** Carlos Collet

11:30 AM - 12:30 PM

**Cath Lab of the Future - 1**

Moderated Posters 4

**Moderators:** Khaldoon F. Alaswad, Parag Barwad

**Discussants:** Raja Hatem, Satoru Sumitsuji

11:30 AM - 12:30 PM

**Chronic Total Occlusions - 2**

**Moderators:** Khaldoon F. Alaswad, Parag Barwad

**Discussants:** Raja Hatem, Satoru Sumitsuji

11:30 AM - 12:30 PM

**Coronary: Core**

**Moderated Posters 6**

**11:30 AM - 12:30 PM**

**Moderated Posters 4**

11:30 AM - 12:30 PM

**Chronic Total Occlusions - 2**

Moderated: Khaldoon F. Alaswad, Parag Barwad
Discussants: Raja Hatem, Satoru Sumitsuji

11:30 AM - 12:30 PM

**Coronary: Core**

**Moderated Posters 6**

11:30 AM - 12:30 PM

**Cath Lab of the Future - 1**

Moderators: Peter J. J. Fitzgerald
Discussants: Carlos Collet

11:30 AM - 12:30 PM

**Cath Lab of the Future - 1**

Moderated Posters 4

11:30 AM - 12:30 PM

**Coronary: Core**

**Moderated Posters 6**

11:30 AM - 12:30 PM

**11:30 AM**

**TCT 194: A fully automated classification and segmentation of X ray coronary angiography using deep learning approach**

*Presenting Author: Jihoon Kweon*

11:37 AM

Discussion

11:40 AM

**TCT 195: Anatomical Attributes of Myocardial territory of Diagonal Branches Assessed by Coronary Computed Tomography Angiography**

*Presenting Author: Seokhun Yang*

11:47 AM

Discussion

11:50 AM

**TCT 196: Automatic Lesion Recognition on Coronary Angiographic Images by Deep Convolutional Neural Network**

*Presenting Author: Ruolin Yang*

11:57 AM

Discussion

12:00 PM

**TCT 197: Impact of Patient Sex on Radiation Doses Received During Coronary Angiography**

*Presenting Author: Erica Osip*

12:07 PM

Discussion

12:10 PM

**TCT 198: Final Results of the IC CATARACT CATaracts Attributed to Radiation in the CaTh Lab Study: Lens Changes Associated with Radiation in the Cardiac Catheterization Laboratory**

*Presenting Author: Judit Karacsonyi*

12:17 PM

Discussion

12:20 PM

**TCT 199: The Newton System: An Innovative Weight Supporting Device for the Prevention of Lead Apron Related Musculoskeletal Injuries**

*Presenting Author: Marc-Antoine Carrier*

12:27 PM

Discussion
ROTATIONAL AND ORBITAL AThERECTOMY, CUTTING/SCORING BALLOONS, AND LITHOTRIPSY

Rotational and Orbital Atherectomy, Cutting/Scoring Balloons, and Lithotripsy

FRIDAY, SEPTEMBER 27, 2019
11:30 AM - 12:30 PM
Moderated Posters 3

11:30 AM - 12:30 PM
Rotational and Orbital Atherectomy, Cutting/Scoring Balloons, and Lithotripsy
Moderators: James Sapontis, Mohamed Ahmed Sobhy
Discussants: Jonathan M. Hill, Petr Kola, Manish A. Parikh, Huay Cheem Tan

11:30 AM
TCT 651: Superior Crossability of Novel Cutting Balloon for the Preparation of Calcified Lesion SUPERHERO Study
Presenting Author: Takayuki Ishihara

11:37 AM
Discussion

11:40 AM
TCT 652: Intravascular Lithotripsy For the Management of Undilatable Coronary Stent: The Multicenter SMILE Registry
Presenting Author: Alfonso Ielasi

11:47 AM
Discussion

11:50 AM
TCT 653: Intravascular lithotripsy for lesion preparation in calcified coronary lesions: First data of prospective observational multicenter registry
Presenting Author: Adem Aksoy

11:57 AM
Discussion

12:00 PM
TCT 654: Feasibility and safety of intravascular lithotripsy in severely calcified left main coronary stenoses
Presenting Author: Carlos Salazar

12:07 PM
Discussion

12:10 PM
TCT 655: Adverse Cardiac Events Among Patients Undergoing Coronary Orbital Atherectomy: A Pooled Meta Analysis of 2303 Procedures
Presenting Author: Arnav Kumar

12:17 PM
Discussion

TAVR: CLINICAL ACCESS AND COST-EFFECTIVENESS - 1

TAVR: Clinical Access and Cost-Effectiveness - 1

FRIDAY, SEPTEMBER 27, 2019
11:30 AM - 12:30 PM
Moderated Posters 7

11:30 AM - 12:30 PM
TAVR: Clinical Access and Cost-Effectiveness - 1
Moderators: Robert M. Bersin, Aaron Horne, Jr.
Discussants: Suzanne J. Baron, Bernadette S. Speiser, Bonnie H. Weiner

11:30 AM
TCT 739: Impact of waiting time from referral to procedural date in patients undergoing transcatheter aortic valve replacement
Presenting Author: Janarthanan Sathananthan

11:37 AM
Discussion

11:40 AM
TCT 740: Association between surgical risk profiles and total cost or resource utilization after transcatheter aortic valve replacement
Presenting Author: Alexis Okoh

11:47 AM
Discussion

11:50 AM
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
Presenting Author: Paul S. Teirstein

11:57 AM
Discussion

12:00 PM
TCT 742: Comparison of Year Over Year U.S. Hospital Costs Between Transcatheter Aortic Valve Replacement TAVR and Surgical Aortic Valve Replacement SAVR
Presenting Author: Carlos E. Sanchez

12:07 AM
Discussion

12:10 AM
TCT 743: Comparison of Patient and Clinical Factors Within Echocardiogram Reports to Predict Disparity in Care of Patients With Severe Aortic Stenosis
Presenting Author: Hemal Gada

12:17 AM
Discussion

12:20 AM
TCT 744: Our Experience With TAVR Accessibility
Presenting Author: Frank Annie
TAVR: VALVE-IN-VALVE - 2

11:30 am - 12:10 pm
TAVR: Valve-in-Valve - 2
Moderators: Robert J. Cubeddu, Harold L. Dauerman
Discussants: Chandan Devireddy, Gregory P. Fontana, Kentaro Hayashida, David Hildick-Smith

11:30 am
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.
Presenting Author: Marloe Prince

11:37 am
Discussion

11:40 am
TCT 762: Valve in Valve TAVR in Degenerated Aortic Valve Prostheses with Externally Mounted Leaflets
Presenting Author: Magdalena Erlebach

11:47 am
Discussion

11:50 am
Presenting Author: Grant Kim

11:57 am
Discussion

12:00 pm
TCT 764: Comparison of 3rd Generation Self expanding and Balloon expandable Devices in Valve in Valve Treatment of Failing Aortic Valve Bioprostheses
Presenting Author: Felix Woitek

12:07 pm
Discussion

VASCULAR ACCESS AND CLOSURE IN PCI - 2

11:30 am - 12:30 pm
Vascular Access and Closure in PCI - 2

TREATMENT OF CONGENITAL HEART DISEASES - 1

11:30 am - 12:30 pm
Treatment of Congenital Heart Diseases - 1
Moderated Posters 8
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

11:40 AM  TCT 784: Comparison of Simultaneous Radial Artery with Upper Extremity Venous Access and Femoral Artery with Femoral Vein Access in Patients Undergoing Bilateral Heart Catheterization: A Systemic Review and Meta analysis.  
Presenting Author: Ahmed Alabbad

11:47 AM  Discussion

11:50 AM  TCT 785: Outcomes of Distal Versus Proximal Trans radial Approach for Coronary Angiogram and Percutaneous Coronary Intervention  
Presenting Author: Karim Al-Azizi

11:57 AM  Discussion

12:00 PM  TCT 786: Examination of the Appropriate Hemostatic Time for Cardiac Catheterization in the Distal Radial Artery Approach  
Presenting Author: Yukio Mizuguchi

12:07 PM  Discussion

12:10 PM  TCT 787: Trans radial versus trans femoral access for cardiac catheterization: a nationwide survey of training preferences expertise and comfort among cardiovascular fellows and teaching faculty.  
Presenting Author: Mubbasher Ameer Syed

12:17 PM  Discussion

12:20 PM  TCT 788: Integrative approach following transradial access for coronary angiography yields heparin avoidance ultrafast hemostasis andabsolute arterial patency  
Presenting Author: Gregory Sgueglia

12:27 PM  Discussion

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  
Presenting Author: Jo Zelis

2:17 PM  Discussion

2:20 PM  TCT 148: Does Energy Loss Index Improve the Comparison of Echocardiographic Derived Aortic Valve Area Compared to InvasivelyDerived Aortic Valve Area Pre TAVR  
Presenting Author: Rick Gaines

2:27 PM  Discussion

2:30 PM  TCT 149: ARE TROPONINS WORTH CHECKING NATIONWIDE STUDY COMPARING OUTCOMES OF PATIENTS WITH VERSUS WITHOUT TROPONINEMIA POST TRANSCATHETER AORTIC VALVE REPLACEMENT  
Presenting Author: Hassan Arshad

2:37 PM  Discussion

2:40 PM  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

2:47 PM  Discussion

2:50 PM  TCT 151: Elective Non cardiac Surgery in Patients with Severe Aortic Stenosis: Observations from the CURRENT AS Registry  
Presenting Author: Tomohiko Taniguchi

2:57 PM  Discussion

ASSESSMENT OF PATIENTS WITH AORTIC STENOSIS OR AORTIC INSUFFICIENCY - 3

Assessment of Patients With Aortic Stenosis or Aortic Insufficiency - 3

FRIDAY, SEPTEMBER 27, 2019  
2:00 PM - 3:00 PM  
Moderated Posters 5

2:00 PM - 3:00 PM  
Assessment of Patients With Aortic Stenosis or Aortic Insufficiency - 3

BIORESORBABLE SCAFFOLDS - METALLIC

Bioresorbable Scaffolds - Metallic

Coronary: Core

FRIDAY, SEPTEMBER 27, 2019  
2:00 PM - 3:00 PM  
Moderated Posters 2

2:00 PM - 3:00 PM  
Bioresorbable Scaffolds - Metallic  
Moderators: Manel Sabate, Jean-François Tanguay  
Discussants: Bill D. Gogas, Sundeep Mishra, Nick E. J. West

2:00 PM  
TCT 188: Safety and Clinical Performance of the Drug Eluting Absorbable Metal Scaffold in the Treatment of Subjects With de Novo Lesions in Native Coronary Arteries at 36 month Follow up BIOSOLVE II and BIOSOLVE III
### CHRONIC TOTAL OCCLUSIONS - 3

<table>
<thead>
<tr>
<th>Time</th>
<th>Event Description</th>
<th>Author(s)</th>
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<tbody>
<tr>
<td>2:00</td>
<td>Chronic Total Occlusions - 3</td>
<td>Coronary: CHIP</td>
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<td>2:00</td>
<td>Coronary: CHIP</td>
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<td>2:00</td>
<td><strong>Moderated Posters 6</strong></td>
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#### Chronic Total Occlusions - 3 Moderators: Richard R. Heuser, Jonathan M. Hill Discussants: Arun Kalyanasundaram, Samer Mansour, Imre Ungi

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<th>Time</th>
<th>Event Description</th>
<th>Author(s)</th>
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<tbody>
<tr>
<td>2:00</td>
<td><strong>TCT 224: High Risk Chronic Total Occlusion Percutaneous Coronary Interventions Assisted with Tandem Heart</strong></td>
<td>Presenting Author: Saroj Neupane</td>
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<tr>
<td>2:07</td>
<td><strong>Discussion</strong></td>
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<tr>
<td>2:10</td>
<td><strong>TCT 225: Gender differences in long term outcomes of medical therapy and successful percutaneous coronary intervention for coronary chronic total occlusions</strong></td>
<td>Presenting Author: Lei Guo</td>
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#### CORONARY BIFURCATION INTERVENTION

<table>
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<tr>
<th>Time</th>
<th>Event Description</th>
<th>Author(s)</th>
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<tr>
<td>2:00</td>
<td><strong>Coronary Bifurcation Intervention</strong></td>
<td>Coronary: CHIP</td>
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**FRIDAY, SEPTEMBER 27, 2019**

**2:00 pm - 3:00 pm**
**Moderated Posters 8**

**Moderators:** J. Dawn Abbott, Yaron Almagor
**Discussants:** Atul Abhyankar, Khaldoon F. Alaswad, Vinay K. Bahl, Dimitrios Bilagos

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<thead>
<tr>
<th>Time</th>
<th>Event Description</th>
<th>Author(s)</th>
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<tbody>
<tr>
<td>2:00</td>
<td><strong>TCT 242: Detection and Classification of Coronary Bifurcation Lesions by Using Artificial Intelligence</strong></td>
<td>Presenting Author: Xuqing Liu</td>
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<tr>
<td>2:07</td>
<td><strong>Discussion</strong></td>
<td></td>
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<td>2:10</td>
<td><strong>TCT 243: Rotablation approach for bifurcation lesions</strong></td>
<td>Presenting Author: Jorge Palazuelas</td>
</tr>
<tr>
<td>2:17</td>
<td><strong>Discussion</strong></td>
<td></td>
</tr>
<tr>
<td>2:20</td>
<td><strong>TCT 244: Impact of Different Methods of Lesion Preparation on Side Branches in Calcified Coronary Bifurcations: A Subanalysis of the Randomized PREPARE CALC Trial.</strong></td>
<td>Presenting Author: Abdelhakim Allali</td>
</tr>
<tr>
<td>2:27</td>
<td><strong>Discussion</strong></td>
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</table>
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

Discussion

IMAGING- DERIVED PHYSIOLOGIC LESION ASSESSMENT - 2

Coronary: Core

FRIDAY, SEPTEMBER 27, 2019  
2:00 PM - 3:00 PM  
Moderated Posters 4

Imaging-Derived Physiologic Lesion Assessment - 2

Moderators: Tim P. Van de Hoef, Bonnie H. Weiner
Discussants: Cristiano Guedes Bezerra, Matthias Göteborg, John McB. Hodgson, Haibo Jia

2:00 PM  
TCT 329: Full Hemodynamic Characterization Of Intracoronary Physiology: Merging Advanced Grayscale Intravascular Ultrasound With Fractional Flow Reserve  
Presenting Author: Cristiano Guedes Bezerra

2:07 PM  
Discussion

2:10 PM  
TCT 330: Accuracy of virtual coronary stenting using computed tomography derived fractional flow reserve  
Presenting Author: Pepijn van Diemen

2:17 PM  
Discussion

2:20 PM  
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 Tomaniali

2:27 PM  
Discussion

2:30 PM  
TCT 332: Pre op Diagnosis of Silent Coronary Ischemia Using CT derived Fractional Flow Reserve FFRCT may Reduce Post op MI and Death in Patients Undergoing Peripheral Vascular Surgery  
Presenting Author: Indulis Kumsars

Discussion

SVG INTERVENTION

Coronary: CHIP

FRIDAY, SEPTEMBER 27, 2019  
2:00 PM - 3:00 PM  
Moderated Posters 7

TCT 673: Retrograde Chronic Total Occlusion Percutaneous Coronary Interventions via Saphenous Vein Grafts  
Presenting Author: Iosif Xenogiannis

2:07 PM  
Discussion

2:10 PM  
TCT 674: In Stent Restenosis in Saphenous Vein Grafts: Insights From the DIVA trial  
Presenting Author: Iosif Xenogiannis

2:17 PM  
Discussion

2:20 PM  
TCT 675: Direct Stenting versus Adjunctive Balloon Angioplasty for Saphenous Vein Graft Percutaneous Coronary Intervention  
Presenting Author: Faisal Latif

2:27 PM  
Discussion

2:30 PM  
TCT 676: Outcomes Following Percutaneous Coronary Intervention PCI in Saphenous Vein Grafts SVG with and without Embolic Protection Device  
Presenting Author: Ahmad Shoaib

2:37 PM  
Discussion

2:40 PM  
TCT 677: Bare Metal Versus Drug Eluting Stents For Saphenous Vein Graft Interventions: A Systematic Review And Meta Analysis  
Presenting Author: Matthias Göteborg
TAVR: CLINICAL ACCESS AND COST-EFFECTIVENESS - 2

TAVR: Clinical Access and Cost-Effectiveness - 2
Moderators: Suzanne V. Arnold, Gary Gershony

2:00 PM - 3:00 PM
TAVR: Clinical Access and Cost-Effectiveness - 2
Presenting Authors: Muhammad Siddique Pir

2:07 PM Discussion

2:10 PM TCT 746: Differences in Transcatheter Aortic Valve Replacement TAVR Outcomes by Gender and Race Over Time
Presenting Author: Karolina Jaluba

2:17 PM Discussion

2:20 PM TCT 747: Transcatheter Aortic Valve Implantation Using Medtronic Evolut R Versus Medtronic CoreValve in Australia. A Model based Cost effectiveness Analysis
Presenting Author: Jan B. Pietzsch

2:27 PM Discussion

2:30 PM TCT 748: Nurse Led Sedation: The Clinical and Echocardiographic Outcomes of the 7 Year Emory Experience
Presenting Author: John Lisko

2:37 PM Discussion

2:40 PM TCT 749: The Influence of Severe Aortic Valve Stenosis on Five year Economic Outcomes Among Older Medicare Beneficiaries.
Presenting Author: Abdulla Damluji

2:47 PM Discussion

2:50 PM TCT 750: Hospital Inpatient Percutaneous Coronary Intervention Volume Does Not Impact Transcatheter Aortic Valve Replacement and MitraClip Outcomes

2:57 PM Discussion

TAVR VS. SAVR AND TAVR VS. TAVR - 1

Moderated Posters 3

2:00 PM - 2:50 PM
TAVR vs. SAVR and TAVR vs. TAVR - 1
Moderators: Carlos E. Ruiz, Ulrich Schäfer
Discussants: Abdul Hakeem

2:07 PM TCT 721: Outcomes of Transcatheter versus Surgical Aortic Valve Replacement in Low Risk Patients: A Meta Analysis of Randomized Controlled Trials
Presenting Author: Anoop Koshy

2:10 PM Discussion

2:17 PM TCT 722: Temporal Trends of 30 Day Readmission for Patients Undergoing Transcatheter or Surgical Aortic Valve Replacement: A Nationwide Cohort Study
Presenting Author: Yasser Al-khadra

2:20 PM Discussion

2:27 PM TCT 723: Transcatheter versus Surgical Aortic Valve Replacement in Patients with Severe Aortic Stenosis: A Systematic Review and Meta analysis of Randomized Controlled Trials
Presenting Author: Lian Wang

2:30 PM Discussion

2:37 PM TCT 725: Comparative Study of the Hemodynamic Performance of Two Latest Generation Supra annular Self expanding Transcatheter Aortic Valves Allegro versus ACURATE neo.
Presenting Author: Ariana Gonzálvez

2:40 PM Discussion

2:47 PM TCT 726: Infolding of Self Expanding Transcatheter Aortic Valve: Diagnosis Management and Outcomes
Presenting Author: Anees Musallam

2:57 PM Discussion

ATRIAL FIBRILLATION IN PATIENTS UNDERGOING CATHETER-BASED INTERVENTION

Atrial Fibrillation in Patients Undergoing Catheter-Based Intervention

FRIDAY, SEPTEMBER 27, 2019
2:00 PM - 3:00 PM
Moderated Posters 1
3:00 PM - 4:00 PM
Atrial Fibrillation in Patients Undergoing Catheter-Based Intervention
Moderators: Kurt Huber, Michael A. Kutcher
Discussants: Kishore J. Harjai, Petr Kala, 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 Trendsof 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

3:50 PM
TCT 157: Budget Implications of AF Stroke Risk Reduction Strategies to Medicare and Medicare Beneficiaries: An Analysis of Pooled Long term Trial Data
Presenting Author: David R. Holmes Jr.

3:57 PM
Discussion

3:00 PM - 3:52 PM
Intravascular Imaging - 3

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

3:20 PM
TCT 355: Serial baseline and follow up optical coherence tomography analysis of the causes of stent failure
Presenting Author: mingyou zhang

3:27 PM
Discussion

3:30 PM
TCT 356: Coronary Artery Axial Deformation in Native Compared to Stented Arteries
Presenting Author: Logan Schwarzman

3:33 PM
Discussion

3:36 PM
TCT 354: Evaluation of a New Food and Drug Administration Approved Optical Coherence Tomography Method for Stent Expansion in an All Comers Population
Presenting Author: Luis Dallan

3:39 PM
Discussion

3:42 PM
TCT 357: Incidence and Clinical Impact of Calcified Nodule in Patients with Severely Calcified Lesions Requiring Rotational Atherectomy
Presenting Author: Toru Morofuji

3:49 PM
Discussion

OUT-OF-HOSPITAL ARREST

3:00 PM - 3:50 PM
Out-of-Hospital Arrest

3:00 PM
Out-of-Hospital Arrest

FRIDAY, SEPTEMBER 27, 2019
3:00 PM - 4:00 PM
Moderated Posters 2

FRIDAY, SEPTEMBER 27, 2019
3:00 PM - 4:00 PM
Moderated Posters 4

FRIDAY, SEPTEMBER 27, 2019
3:00 PM - 3:52 PM
Moderated Posters 8
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 barawi
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 524: Sex Differences in Survival From Out of Hospital Cardiac Arrest: Insights from the National Inpatient Sample Presenting Author: Yulanka Castro
3:37 PM Discussion
3:40 PM TCT 525: Periprocedural Outcomes of Lead Extraction in Patients With or Without Abandoned Leads: A Metaanalysis Presenting Author: Varun Kohli
3:47 PM Discussion
3:50 PM TCT 528: Clinical outcomes of critical limb ischemia patients with angiographic dissection after balloon angioplasty for infrapopliteal artery disease. Presenting Author: TOMOYA FUKAGAWA
3:57 PM Discussion

PERIPHERAL VASCULAR INTERVENTION - 4

Peripheral Vascular Intervention - 4

FRIDAY, SEPTEMBER 27, 2019
3:00 PM - 4:00 PM
Moderated Posters 3

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 inChronic Limb Threatening Ischemia Patients after Endovascular Therapy Presenting Author: Kenji Makino
3:17 PM Discussion
3:20 PM TCT 571: More Fresh Thrombi in Cardio Embolic Than Vascular Related Acute Vessel Syndromes Presenting Author: Martijn Meuwissen
3:27 PM Discussion
3:30 PM TCT 572: 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 Presenting Author: HIROFUMI OHASHI
3:37 PM Discussion
3:40 PM TCT 573: Respiration related variations in PdPa ratio and fractional flow reserve in resting conditions and during intravenous adenosine administration. Presenting Author: Rutger Feenstra
3:47 PM Discussion
3:50 PM TCT 574: Objective identification of stenoses inducing myocardial ischemia using sequential iFR FFR and intracoronary flow measurements Presenting Author: Kalpa De Silva

RESTING PHYSIOLOGIC INDICES

Resting Physiologic Indices

FRIDAY, SEPTEMBER 27, 2019
3:00 PM - 4:00 PM
Moderated Posters 7
TAVR COMORBIDITIES AND COMPLICATIONS - 1

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 disconcordance 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

FRIDAY, SEPTEMBER 27, 2019
3:00 PM - 4:00 PM
Moderated Posters 6

3:00 PM - 3:40 PM
Treatment of Congenital Heart Diseases - 2
Moderators: Matthew A. Crystal, Xiangbin Pan
Discussants: Mohammad Mehdi Ansari, Harsimran Sachdeva Singh

3:00 PM TCT 771: Percutaneous device closure of ruptured sinus of Valsalva: feasibility of transthoracic echocardiography assisted procedure
Presenting Author: Dinkar Bhasin

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: Gregory Sgueglia

3:17 PM Discussion
3:20 PM TCT 774: Percutaneous closure of septum secundum ASD
Presenting Author: Mohammad Mehdi Ansari

3:27 PM Discussion
3:30 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
VASCULAR ACCESS FOR TAVR - 1

Moderators: Paul D. Mahoney
Discussants: Tsuyoshi Kaneko, Rajeev Narayan, Andres Pineda

3:00 - 4:00 PM
Vascular Access for TAVR - 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

CATH LAB OF THE FUTURE - 2

Moderators: Steven R. Bailey, William J. French
Discussants: H. Vernon Anderson, David L. Fischman, Manish A. Parikh, George W. Vetrovec

4:00 PM - 5:00 PM
Cath Lab of the Future - 2

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

4:57 PM Discussion

CORONARY PERFORATION AND CARDIAC TAMPOANDE
INTERVENTIONAL HEART FAILURE

Stent Thrombosis and Restenosis - 2

Moderated Posters 6

4:00 PM - 4:50 PM
Coronary Perforation and Cardiac Tamponade
Moderators: Lorenzo Azzalini, Itshac Itsik Ben-Dor
Discussants: Wacin Buddhari, James Cockburn, Tom J. Ford

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

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

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

TCT 251: SOS PK Papyrus an Observational Study of Patients with Covered PK Papyrus Stent.
Presenting Author: Marco Hernández Enríquez

4:37 PM Discussion

TCT 252: Pericardial Tamponade Secondary to Complications of Interventional and Endovascular Procedures
Presenting Author: Daniel Johnsrud

4:47 PM Discussion

STENT THROMBOSIS AND RESTENOSIS - 2

Stent Thrombosis and Restenosis - 2

Moderated Posters 2

4:00 PM - 5:00 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
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
Moderated Posters 8

4:00 PM - 4:50 PM
Ventricular Assist and Management of Cardiogenic Shock - 3
Moderators: Marco A. Alcocer-Gamba, Fayaz ShawlDiscussants: Ariel Furer, David D. Israeli, Guillaume Leurent, Arnold Seto, 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

4:30 PM
Presenting Author: Colin Hirst

VASCULAR ACCESS FOR TAVR - 2

Vascular Access for TAVR - 2

Structural: Valve

FRIDAY, SEPTEMBER 27, 2019
4:00 PM - 4:40 PM
Moderated Posters 1

4:00 PM - 4:40 PM
Vascular Access for TAVR - 2
Moderators: Gregory P. Fontana, Michael RinaldiDiscussants: Saif Anwaruddin, Chandan Devireddy

4:00 PM
TCT 806: Achieving a one hundred percent transfemoral TAVR approach in all comers: too risky for patients with peripheral artery disease
Presenting Author: Christina Brinkmann

4:07 PM
Discussion

4:10 PM
TCT 807: Outcomes of Transcatheter Aortic Valve Replacement Using Non Transfemoral Access Single Center Experience

4:17 PM
Discussion

4:20 PM
TCT 808: TRANSFEMORAL TRANSCATHETER AORTIC VALVE REPLACEMENT USING FASCIA ILLIACA BLOCK AS AN ALTERNATIVE APPROACH TO CONSCIOUS SEDATION AS COMPARE TO GENERAL ANESTHESIA: FINDINGS FROM A SINGLE CENTER
Presenting Author: Wei Lau

4:27 PM
Discussion

4:30 PM
TCT 810: Outcomes after percutaneous closure of access site in transfemoral TAVR using the novel vascular closure device plug based MANTA
Presenting Author: Livia Luciana Gheorghe

4:37 PM
Discussion
SATURDAY, SEPTEMBER 28, 2019

Main Arena III: Saturday, Sept. 28

### Main Arena III: Saturday, Sept. 28

**Structural: Valve**

#### 8:00 am - 9:30 am

**Live Cases #5**

*Live Case Moderators: Martin B. Leon, Live Case Co-Moderators: Saibal Kar, Francisco Maisano*  
*Live Case Discussants: Anita Asgar, Mackram F. Eleid, Kendra J. Grubb, Mayra Guerrero, James B. Hermiller Jr, Tsuyoshi Kaneko, James M. McCabe, David W.M. Muller, Patrick T. O’Gara, Thomas Pilgrim, Jeffrey J. Popma*  
*Factoid Faculty: Rishi Chandiramani, Shmuel Chen, Tatsuhiko Fujimura, Tanush Gupta*

- **8:00 am**  
  *Instituto Dante Pazzanese de Cardiologia Sao Paulo Brazil SHD*  
  *Live Case Operators: Alexandre Abizaid, Daniel Chamie, Jose de Ribamar Costa Jr*  
  *Live Case Guest Operators: Eberhard Grube*

- **8:45 am**  
  *Cedars Sinai Medical Center Los Angeles CA SHD*  
  *Live Case Operator: Tarun Chakravarty, Wen Cheng, Moody M. Makar, Raj Makkar, Mamoo Nakamura, Aamir Shah, Sidarth Singh, Sabah Skaf*

#### 9:30 am - 10:15 am

**Featured Lecture: Freddy Abnousi, Head of Healthcare – Research Facebook**  
*Moderators: Robert M. Califf*  
*Discussants: Freddy Abnousi, Wayne B. Batchelor, Ralph G. Brindis, Anthony DeMaria, C. Michael Gibson, Robert A. Harrington, Roxana Mehran, Celina M. Yong*

**Roundtable Discussion**

#### 10:15 am - 10:30 am

**TCT 2019 Linnemeier Young Investigator Award**  
*Moderator: Martin B. Leon, Gregg W. Stone*

**TCT 2019 Linnemeier Young Investigator Award Presentation**

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### Late-Breaking Trials 3

**Moderators:** Juan F. Granada  
**Discussants:** Michael A. Borger, Davide Capodanno, James B. Hermiller Jr, Martin B. Leon, G. Burkhard Mackensen, Mark Reisman, Gilbert H.L. Tang, Leif Thuesen, Nir Uriel
**Co-Moderators:** Stuart J. Pocock

#### 10:30 am - 11:30 am

**Late-Breaking Trials 3**

**10:30 am**  
**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*

**10:42 am**  
**Roundtable Discussion**

**10:50 am**  
**PARTNER 2A: 5 Year Outcomes From a Randomized Trial of Transcatheter vs. Surgical Aortic Valve Replacement in Intermediate Risk Patients With Severe Aortic Stenosis**  
*Lecturer: Vinod H. Thourani*

**11:02 am**  
**Roundtable Discussion**

**11:10 am**  
**EXCEL: 5 Year Outcomes From a Randomized Trial of PCI vs. CABG in Patients With Left Main Coronary Artery Disease**  
*Lecturer: Gregg W. Stone*

**11:22 am**  
**Roundtable Discussion**

#### 11:30 am - 12:15 pm

**Live Cases #6**

*Live Case Moderators: Tony Das*  
*Factoid Faculty: Rishi Chandiramani, Shmuel Chen, Tatsuhiko Fujimura, Tanush Gupta*

- **11:30 am**  
  *Lankenau Institute for Medical Research Wynnewood PA Endo Live Case Operator: William A. Gray*

- **12:15 pm - 1:15 pm**
  **Late-Breaking Science 3, Co-Sponsored by Circulation**
  **Moderators:** Joseph A. Hill  
  **Discussants:** Michael Böhm, Jaost Daemen, Robbert J. De Winter, Anthony H. Gershlick, Jonathan M. Hill, Dharam J. Kumbhani, Shamir R. Mehta, Saha S. Parikh, Pieter C. Smits, Craig A. Thompson, Michael A. Weber  
  **Co-Moderators:** Sunil V. Rao

**12:15 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**  
**Importance of Revascularization Timing**  
*Lecturer: David A. Wood*

**12:25 pm**  
**Roundtable Discussion**

**12:30 pm**  
**EURO CTO: 3 Year Outcomes From a Randomized Trial of PCI vs. Medical Therapy in Patients With Chronic Total Coronary Occlusions**  
*Lecturer: Gerald S. Werner*

**12:40 pm**  
**Roundtable Discussion**

**12:45 pm**  
**MODERATO II: A Double Blind Randomized Trial of Cardiac Neumodulation Therapy in Patients With Hypertension**
LIVE CASE TRANSMISSION THEATER V: SATURDAY, SEPT. 28

8:00 am - 10:15 am
Session I: Live Cases — Coronary

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: Mitchell Lindsay, Margaret B. McEntegart, Anja Oksnes

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

10:15 am Golden Jubilee National Hospital Glasgow United Kingdom
Live Case Operator: Mitchell Lindsay, Margaret B. McEntegart, Anja Oksnes

11:00 am Instituto Dante Pazzanese de Cardiologia Sao Paulo Brazil

2:00 pm - 2:45 pm
Session I: Live Case — Endovascular
Live Case Moderators: Jeffrey W. MosesLive Case Co-Moderators: Richard ShlofmitzLive Case Discussants: Khaled F. Alaswad, Ziad A. Ali, Jorge A. Belardi, Adriano Caixeta, Louis Aaron Cannon, Ehtisham Mahmud, William W. O'Neill, Manish A. Parikh, Evelyn Regar, Jean-Francois Tanguay, Craig A. ThompsonFactoid Faculty: Tomo Ando, Davide Cao, Hussein Rahim, Fumiyasu Seike

2:45 pm - 4:15 pm
Session II: Live Cases — Coronary

4:15 pm - 6:00 pm
Session III: Live Cases — SHD
Live Case Moderators: Alexandre Abizaid, Daniel Chamie, Jose de Ribamar Costa JrLive Case Guest Operators: Eberhard Grube

5:00 pm Cedars Sinai Medical Center Los Angeles CA
Live Case Operator: William A. Gray
HYPERTENSION THERAPIES: RENAL DENERVATION AND BEYOND

Session I: Hypertension Management in 2019 — What Do I Need to Know?
Moderators: Naomi Fisher, Michael A. Weber
Discussants: Michael Böhm, Bernard J. Gersh, David P. Lee, Vasilios Papademetriou, Roland E. Schmieder, Konstantinos P. Tsioufis

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
Lecturer: Roland E. Schmieder

8:43 am Roundtable Discussion With Audience QA

8:48 am Patient Preferences in Hypertension Treatment
Lecturer: David E. Kandzari

8:55 am Roundtable Discussion With Audience QA

9:00 am - 9:59 am

Session II: Device-Based Hypertension Trial Update — What’s New, What’s Relevant, and What’s Next?
Moderators: Chandan Devireddy, Felix Mahfoud
Discussants: Tim A. Fischell, Michael Jonas, David P. Lee, Melvin D. Lobo, Chaim S. Lotan, Christian Ukena

8:59 am Update on SPRYRAL Trials Program Radiofrequency Renal Denervation: Lessons Learned Ongoing Efforts
Lecturer: Michael Böhm

9:09 am Roundtable Discussion With Audience QA

9:14 am Update on RADIANCE Trials Program Ultra Sound Renal Denervation: Lessons Learned Ongoing Efforts
Lecturer: Ajay J. Kirtane

9:24 am Roundtable Discussion With Audience QA

9:29 am Update on Target BP Trials Program Chemical Renal Denervation: Lessons Learned Ongoing Efforts
Lecturer: Felix Mahfoud

9:36 am Roundtable Discussion With Audience QA

9:40 am Magnitude of Antihypertensive Effect After Renal Denervation: Is It Sufficient for High Risk as Well as Low Risk Patients
Lecturer: Justin E. Davies

9:47 am Roundtable Discussion With Audience QA

9:51 am Update on CALM II Trial Endovascular Baroreflex Stimulation
Lecturer: Greg W. Stone

9:58 am Roundtable Discussion With Audience QA

10:00 am Update on ROX Trial Program AV Fistula Creation
Lecturer: Melvin D. Lobo

10:09 am Roundtable Discussion With Audience QA

10:11 am Backbeat Update Pacemaker Mediated Baroreflex Stimulation
Lecturer: Daniel Burkhoff

10:17 am Roundtable Discussion With Audience QA

10:21 am Device Based Hypertension Treatments: Defining Responders and Predictors of Response
Lecturer: Naomi Fisher

10:28 am Roundtable Discussion With Audience QA

10:33 am Debate: Is a Clinical Outcomes Trial Mandatory Before Widespread Adoption of Device Based Hypertension Therapies

10:33 am No: An Outcomes Study for Device Based Hypertension Approaches Is NOT Necessary Before Widespread Use Can Be Recommended
Lecturer: Andrew Sharp

10:40 am Yes An Outcomes Study for Device Based Hypertension Approaches Is Needed Before Widespread Use Can Be Recommended
Lecturer: Bernard J. Gersh

10:47 am Innovative Trial Designs in Device Based Hypertension Treatment
Lecturer: Konstantinos P. Tsioufis

10:54 am Roundtable Discussion With Audience QA

11:00 am - 11:59 am

Session III: Procedural Aspects and Indications Beyond Hypertension
Moderators: Horst Sievert, Thomas Zeller
Discussants: Stefan C. Bertog, Daniel Burkhoff, Philipp Lurz, Vasilios Papademetriou, Andrew Sharp, Jie Wang

11:01 am What Are the Essential Differences Between Renal Denervation Devices and Procedures and Do They Matter
TREATMENT OF CORONARY CALCIFICATION

8:00 AM - 8:48 AM  

Section I: Overview and Devices  
Moderators: J. Dawn Abbott, Azeem Latib  
Discussants: Nirat Beohar, Sanjit S. Jolly, Prashant Kaul, Carey D. Kimmelstiel, Annapoorna Kini, Jeffrey W. Moses

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  
Lecturer: Antonio Colombo

8:09 AM  
Rotational Atherectomy for Coronary Calcification: When and How  
Lecturer: Annapoorna Kini

8:16 AM  
Orbital Atherectomy for Coronary Calcification: When and How  
Lecturer: Richard Shlofmitz

8:23 AM  
Intravascular Lithotripsy for Coronary Calcification: When and How  
Lecturer: Jean Fajadet

8:30 AM  
Roundtable Discussion With Audience QA

8:37 AM  
Case Resolution: How I Treated This Heavily Calcified Complex Coronary Artery  
Case Presenter: Prashant Kaul

8:41 AM  
Treatment of Severely Calcified Lesions: The Need for Comparative Data  
Lecturer: Ajay J. Kirtane

8:48 AM - 10:00 AM  

Section II: Flash Clinical Debates and Case Studies  
Moderators: Fazila-Tun-Nesa Malik, Giora Weisz  
Discussants: Annapoorna Kini, Michael S. Lee, Akiko Maehara, Jeffrey W. Moses, Francesco Pelliccia, Tanveer Rab

8:48 AM  
Flash Debate 1: Treating Coronary Artery Disease Without Intravascular Imaging Is Like Flying Blind  
Lecturer: Jonathan M. Hill

8:54 AM  
Flash Debate 1: I Dont Need Intravascular Imaging to Detect Treat Most Cases of Coronary Calcium  
Lecturer: Fazila-Tun-Nesa Malik

9:00 AM  
Roundtable Discussion With Audience QA

9:05 AM  
Flash Debate 2: Dont Overthink It Plaque Modification Is Underused for Severely Calcified Coronary Lesions  
Lecturer: Nicolas M. Van Mieghem

9:11 AM  
Flash Debate 2: Dont Overthink It Plaque Modification Is Rarely Needed for Severely Calcified Coronary Lesions  
Lecturer: Paul S. Teirstein

9:17 AM  
Roundtable Discussion

9:21 AM  
How to Adequately Prepare Calcified Lesions Step by Step  
Lecturer: Mohamed Abdel-Wahab

9:29 AM  
The Future: Imaging Based Algorithm for Device Selection in Coronary Calcium  
Lecturer: Akiko Maehara

9:37 AM  
Roundtable Discussion With Audience QA

9:41 AM  
Extreme Atherectomy Cases Tortuosity Stent Underexpansion and Beyond  
Case Presenter: Annapoorna Kini

9:49 AM  
Management of Complications Associated With Treatment of Calcified CAD  
Lecturer: Ramzan M. Zakir

9:57 AM  
Roundtable Discussion With Audience QA

TRICUSPID REGURGITATION: EVOLVING CONCEPTS AND TECHNOLOGIES

Tricuspid Regurgitation: Evolving Concepts and Technologies

Structural: Valve
SATURDAY, SEPTEMBER 28, 2019
8:00 am - 12:00 pm
Room 155/157

Session I: Assessment of Tricuspid Regurgitation Severity and Procedural Planning
Moderators: Jeroen J. Bax, Rebecca T. Hahn
Discussants: João L. Cavalcante, Charles J. Davidson, Dmitry B. Levin, Mark Reisman, Maurizio Taramasso, Dee Dee Wang

8:00 am  Session I: Assessment of Tricuspid Regurgitation Severity and Procedural Planning
Case Presentation: The Typical Workflow Assessment in a Patient With Functional TR
Case Presenter: Vivian G. Ng

8:08 am  Tricuspid Valve Pathobiology: Anatomical Correlations With Multi Modality Imaging
Lecturer: Dmitry B. Levin

8:16 am  The Natural History of TR: Disease Progression and Clinical Outcomes
Lecturer: Jeroen J. Bax

8:24 am  Roundtable Discussion With Audience QA

8:32 am  What the Interventionist Needs to Know About TR Evaluation
Lecturer: Rebecca T. Hahn

8:40 am  Anatomical Evaluation Is Not Enough Impact of Physiological TR Assessment in Patient and Device Selection
Lecturer: Edgard Alexander Prihadi

8:48 am  Transcatheter Device Therapies for TR Treatment: Lessons Learned From the Surgical World
Lecturer: Joanna Chikwe

8:56 am  Roundtable Discussion With Audience QA

9:10 am - 10:40 am  Session II: Transcatheter Tricuspid Valve Interventions — Part 1
Moderators: Horst Sievert, Molly Szerlip
Discussants: Ruediger S. Lange, Christopher U. Meduri, Thomas Modine, Tamim M. Nazif, Georg Nickenig, Hendrik Treede

9:10 am  Case Presentation: A Real World Case of Functional TR Not Considered in the Guidelines
Case Presenter: Antonio Mangieri

9:15 am  What the Guidelines Do and Dont Tell Us: The Unmet Clinical Needs
Lecturer: Ralph Stephan von Bardeleben

9:23 am  Roundtable Discussion With Audience QA

9:30 am  Impact of Surgical Repair Optimization in TR Reduction and Clinical Outcomes
Lecturer: Hendrik Treede

9:38 am  Transcatheter Annular Devices: Overview and Outcomes
Lecturer: Georg Nickenig

9:46 am  Roundtable Discussion With Audience QA

9:54 am  Risk Assessment Models: Can Surgical Data Assist Risk Prediction in Catheter Based TR Interventions

THE CTO SUMMIT: PART 1

Coronary: CHIP

The CTO Summit: Part 1

SATURDAY, SEPTEMBER 28, 2019
10:00 am - 12:00 pm
Room 151/153

10:02 am  Case Presentation: Transcatheter Approach to Torrential Functional TR With Large Coaptation Defects
Case Presenter: Rebecca T. Hahn

10:07 am  Making the Case for Transcatheter Tricuspid Valve Replacement: Theory and Outcomes to Date
Lecturer: Vinayak N. Bapat

10:15 am  Roundtable Discussion With Audience QA

10:22 am  Case Presentation: Pacemaker Related TR Diagnostic Approach and Potential Catheter Based Therapeutic Options
Case Presenter: Tamim M. Nazif

10:27 am  Redefining Patient Selection and Therapeutic Approach for Tricuspid Valve Interventions
Lecturer: Azeem Latib

10:35 am  Roundtable Discussion With Audience QA

10:40 am - 12:00 pm  Session III: Transcatheter Tricuspid Valve Interventions — Part 2
Moderators: Rebecca T. Hahn, Azeem Latib
Discussants: Jaffar M. Khan, Christopher U. Meduri, Georg Nickenig, Didier Tchetche, Ralph Stephan von Bardeleben, Dee Dee Wang

10:40 am  Building a Tricuspid Valve Program: Early Lessons Challenges and Opportunities
Lecturer: Charles J. Davidson

10:48 am  Predictors of Procedural Success and Failure: Echocardiographic Insights
Lecturer: Abdellaziz Dahou

10:56 am  Transcatheter TR Therapies: Lessons Learned From the International TriValve Registry
Lecturer: Maurizio Taramasso

11:04 am  Roundtable Discussion With Audience QA

11:12 am  Step by Step Tricuspid Clipping: Echo and Intervention Working Together
Lecturer: Richard Bae

11:29 am  Roundtable Discussion With Audience QA

11:39 am  Emerging Catheter Based Therapies: Thinking Outside the Box
Lecturer: Francesco Maisano

11:47 am  Trial Design for Tricuspid Devices: Perspectives From the FDA
Lecturer: Jaime Raben

11:55 am  Roundtable Discussion With Audience QA
10:00 AM - 10:50 AM
Session I: CTO PCI in 2019 — New Data, Terminology, Scoring Systems, and Controversies
Moderators: David E. Kandzari, Paul Hsien-Li Koo
Discussants: Emmanouil S. Brilakis, Evald H. Christiansen, Juan Russo, 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: Emmanouil S. Brilakis

10:23 AM No They Are Not: Its All About the Operator
Lecturer: William L. Lombardi

10:29 AM Roundtable Discussion With Audience QA

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 AM
Session II: Procedural Basics
Moderators: Masahisa Yamane
Discussants: Robert Federici, Ingibjorg J. Gudmundsdottir, Arun Kalyanasundaram, Paul Knaapen, Husam Noor, Ling TaoCo
Moderators: R. Michael Wyman

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 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: Paul Knaapen

11:25 AM CTO PCI Strategies to Navigate The Hierarchy of Risk: From AWE to ADR to Retrograde to Epicardials
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 - 3:36 PM
Heart Failure: State of the Art

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: Stefan Verheye

2:56 PM Roundtable Discussion With Audience QA

3:04 PM - 4:00 PM
Focused Scientific Symposium: Bioresorbable Scaffolds

3:04 PM The Absorb BVS Epilogue: How Did We Miss the Safety Signals
Lecturer: Renu Virmani

3:11 PM Late Benefits From BVS: Theory and Evidence
Lecturer: Gregg W. Stone

3:18 PM The Post Absorb BVS Era: Lessons Learned and Implications for Trial Design and Device Approval
Lecturer: Andrew Farb

3:25 PM Roundtable Discussion With Audience QA

3:32 PM BRS Use in Primary PCI: Rational and Emerging Clinical Data
Lecturer: Manel Sabate

3:39 PM Magnesium Scaffolds: Clinical Trial Outcomes and Analysis of Device Failures
Lecturer: Hector M. Garcia-Garcia

3:46 PM Bioresorbable Scaffolds: Global Development Pipeline
Lecturer: Yoshinobu Onuma

3:53 PM Roundtable Discussion With Audience QA

3:04 PM State of the Art: Latest Insights into the Pathophysiology and Medical and Device Based Therapies for HFrEF
Lecturer: Peter Carson

3:12 PM Acute Decompensated Heart Failure: Trials and Tribulations
Lecturer: James E. Udelson

3:24 PM Roundtable Discussion With Audience QA

3:36 PM - 4:42 PM
Acute Decompensated Heart Failure
Moderators: James E. Udelson, Clyde W. YancyDiscussants: Michael Jonas, Navin K. Kapur, Leslie Miller, Ileana L. Pina, Gabriel Sayer, Nir Uriel

3:36 PM Pathophysiology of ADHF: Focus on Diuretic Resistance
Lecturer: Ileana L. Pina

3:43 PM Whiteswell: Preclinical and Early Clinical Results
Lecturer: Michael Jonas

3:50 PM Modulating CVP and PCWP From Above: PreCardia
Lecturer: Navin K. Kapur

3:57 PM Improving Renal Perfusion Pressure: Procyron Aortic
Lecturer: Gabriel Sayer

4:04 PM Improving Renal Perfusion Pressure: Second Heart
Lecturer: Leslie Miller

4:11 PM Reducing Renal Venous Pressure: RevampDoraya Infra Renal Vein Flow Regulator
Lecturer: Ulrich P. Jorde

4:18 PM Direct Sodium Removal With an Ambulatory Peritoneal Dialysis System: Sequana
Lecturer: Jeffrey Testani

4:25 PM Roundtable Discussion With Audience QA

4:42 PM - 6:00 PM
Device-Based Therapies for Chronic Heart Failure

4:42 PM V Wave for HFrEF and HfPEF
Lecturer: Gregg W. Stone

4:50 PM Corvia for HfPEF
Lecturer: Scott Lilly

4:58 PM NoYo Interatrial Shunting
Lecturer: Chaim S. Lotan

5:06 PM Aortic Arch Neuromodulation for Chronic Heart Failure: Enopace
THE CTO SUMMIT: PART 2

**The CTO Summit: Part 2**

**Coronary: CHIP**

**Saturday, September 28, 2019**

2:00 pm - 6:00 pm

Room 151/153

2:00 pm - 3:10 pm

**Session I: CTO PCI Troubleshooting and Algorithms for Success**

Moderators: Tony J. DeMartini, Gerald S. Werner
Discussants: Mauro Carlino, Lei Ge, Omer Goktekin, Mark J. Goodwin, Ashish Pershad, Minh N. Vo

2:00 pm The Wire Crosses the Proximal Cap but CTO Is Uncrossable Undilatable: What Now
Lecturer: Tony J. DeMartini

2:07 pm Roundtable Discussion With Audience QA

2:10 pm I Am at the Distal Landing Zone but Cant Puncture: What Now
Lecturer: Ashish Pershad

2:17 pm Roundtable Discussion With Audience QA

2:20 pm Epicardial Wiring: Current State of the Art
Lecturer: Masahisa Yamane

2:27 pm Roundtable Discussion With Audience QA

2:30 pm The Wire Has Crossed the Collateral but the Microcatheter Wont: Next Steps
Lecturer: Minh N. Vo

2:37 pm Roundtable Discussion With Audience QA

2:40 pm My Retrograde Equipment Is Overlapping the Antegrade Equipment but I Cannot Connect What Now
Lecturer: Satoru Sumitsuji

2:47 pm Roundtable Discussion With Audience QA

2:50 pm Hemodynamic Support for CTO PCI: Who When and When Not and How

3:00 pm Failing With an Investment: How Often is Sub Intimal Plaque Modification Useful and What Should I Have Available for the Next Procedure
Lecturer: Taishi Hirai

3:07 pm Roundtable Discussion With Audience QA

3:10 pm - 4:40 pm

**Session II: Complication Prevention and Management**

Moderators: Alexandre Avran, Simon J. Walsh
Discussants: Lorenzo Azzalini, Robert Federici, Roberto Garbo, Nicholas J. Lembo, Lampros Michalis, Anthony J. Spaedy

3:10 pm Complication Recognition Before Its Obvious: Anticipating Disaster
Lecturer: Anthony J. Spaedy

3:18 pm Antegrade Wire or Device Exit at the CTO Site: Prevention and Management
Lecturer: Nicholas J. Lembo

3:26 pm Antegrade Distal Wire Perforations: Prevention and Management
Lecturer: Kathleen Kearney

3:34 pm Septal Collateral Perforations: Prevention and Management
Lecturer: Roberto Garbo

3:42 pm Epicardial Ipsilateral and Contralateral Collateral Perforation: Prevention and Management
Lecturer: Alexandre Avran

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: Lorenzo Azzalini

4:19 pm Donor Vessel Dissection andor Thrombosis: How to Avoid Recognize and Manage
Lecturer: M. Nicholas M. Burke

4:27 pm Equipment Entrapment Loss: Prevention and Management
Lecturer: Farouc A. Jaffer

4:35 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: Khaldoon F. Alaswad, Scott Harding, Wissam Jaber, Juan Russo, Lee Seung-Whan, Chris Zambikides

4:40 pm My Worst Antegrade Wire Escalation Complication and What I Learned
Case Presenter: Lei Ge

4:46 pm Roundtable Discussion With Audience QA
TRANSCATHETER MITRAL VALVE REPLACEMENT

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, Alan C. Yeung

2:00 PM  TMVR: Lessons From Surgery Not to Be Ignored
Lecturer: Steven F. Bolling

2:06 PM  Technical Hurdles in TMVR Development
Lecturer: Juan F. Granada

2:13 PM  Transapical I: Intrepid Device Description Results and Ongoing Studies
Lecturer: Martin B. Leon

2:20 PM  Transapical II: Tendyne Device Description Results and Ongoing Studies
Lecturer: Jason H. Rogers

2:27 PM  Transapical III: Tiara Device Description Results and Ongoing Studies
Lecturer: Anson Cheung

2:34 PM  Transseptal I: HighLife Device Description Results and Ongoing Studies
Lecturer: Stephen G. G. Worthley

2:39 PM  Transseptal II: Caisson Device Description Results and Ongoing Studies
Lecturer: Anita Asgar

2:44 PM  Transseptal III: Cephea Device Description Results and Ongoing Studies
Lecturer: Thomas Modine

2:49 PM  Transseptal IV: EVOQUE Device Description Results and Ongoing Studies
Lecturer: Howard C. Herrmann

2:54 PM  Transseptal V: M3 Device Description Results and Ongoing Studies
Lecturer: John G. Webb

2:59 PM  Transseptal VI: Cardiovalve Device Description Results and Ongoing Studies
Lecturer: Francesco Maisano

3:04 PM  Transseptal VII: AltaValve Device Description Results and Ongoing Studies
Lecturer: Philippe Genereux

3:09 PM  Roundtable Discussion with Audience QA

Session II: TMVR Special Situations
Moderators: Thomas Modine, John G. Webb
Discussants: Saif Anwaruddin, David J. Cohen, Danny Dvir, Adam B. Greenbaum, Jaffar M. Khan, Maurizio Taramasso

3:18 PM  Valve in MAC Mitral: Acute and Long Term Outcomes
Lecturer: Vinayak N. Bapat

3:23 PM  Valve in Valve Mitral: Acute and Long Term Outcomes
Lecturer: Mayra Guerrero

3:28 PM  Valve in Ring Mitral: Acute and Long Term Outcomes
Lecturer: Sung-Han Yoon

3:33 PM  Essentials of LVOTO Screening And Device Specificity
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’Gara
Discussants: Ori Ben-Yehuda, Khalil Fatouche, Azeem Latib, Philipp Lurz, Oscar A. Mendiz, Michael J. Reardon

4:00 PM
Combination Valve Treatments MR and TRMR and AS: Rationale Sequence and Results
Lecturer: Georg Nickenig

4:07 PM
Antiplatelet and Anticoagulation After TMVR and TAVR: Considerations and Recommendations
Lecturer: Robert O. Bonow

4:14 PM
Transcatheter Mitral Valve Repair and Replacement Clinical Trial Designs After COAPT and MITRA FR
Lecturer: Gregg W. Stone

4:21 PM
Roundtable Discussion With Audience QA

4:28 PM - 5:37 PM
**Session II: Mitral Imaging Deep Dive**
Moderators: Linda D. Gillam, G. Burkhard Mackensen
Discussants: Victoria Delgado, Anthony DeMaria, Creighton W. Don, Maurice E. Sarano, Neil J. Weissman

4:28 PM
State of the Art: DMR Severity Assessment by Quantitative Echo
Lecturer: G. Burkhard Mackensen

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

4:58 PM
Nonesophageal Mitral Echo Imaging
Lecturer: Rhonda Miyasaka

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: João L. Cavalcante

5:20 PM
What Can We Learn From MRI About FMR Proportionality
Lecturer: Michael Salerno

5:27 PM
Roundtable Discussion With Audience QA

5:37 PM - 6:10 PM
**Session III: Mitral Stenosis and MAC**
Moderators: Igor F. Palacios, Chet Rihal
Discussants: Philipp Blanke, Sameer Gafour, Habib Gamra, Mayra Guerrero, Juan Terre, Dee Dee Wang

5:37 PM
MAC Types and Clinical Implications
Lecturer: Philipp Blanke

5:43 PM
Nonrheumatic MAC Related Mitral Stenosis and Balloon Valvuloplasty
Lecturer: Igor F. Palacios

5:49 PM
Mitral Valvuloplasty State of the Art: Indications Devices Technique and Outcomes
Lecturer: Habib Gamra

5:59 PM
Roundtable Discussion With Audience QA

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, Perwaiz M. Meraj, Vivian G. Ng, Adhir Shroff, Kimberly Skelding, Jennifer A. Tremmel

4:00 PM
ARS: What is Your Routine Vascular Access for Primary PCI for STEMI

4:02 PM
Debate: Vascular Access for Primary PCI

4:28 PM - 5:37 PM
**Session II: Radial and Femoral Access and Intervention**
Moderators: Daniel L. Slatkin, David J. Califf
Discussants: Rajiv Gulati, Sunil V. Rao

4:28 PM
Controversies in Radial Access and Intervention
Lecturer: Daniel L. Slatkin

4:36 PM
Controversies in Femoral Access and Intervention
Lecturer: David J. Califf

4:44 PM
Roundtable Discussion With Audience QA
The SAFARI Trial Proves It: Femoral Access Is Preferred for STEMI
Lecturer: Michel R. Le May

Not So Fast: The Evidence Still Supports Radial Access for STEMI
Lecturer: Sanjay Kumar Chugh

ARS: What is Your Routine Vascular Access for Primary PCI for STEMI
Roundtable Discussion With Audience QA

ARS: For Left Radial Access Do You Prefer Left Distal Radial or Traditional Proximal Radial
Debate: Transradial Civil War

Embrace Left Distal Radial Access: Its the New and Best Approach
Lecturer: Ethan C. Korngold

LDTRA Is a Fad: Ill Stick With Traditional Proximal Radial
Lecturer: Ian C. Gilchrist

ARS: For Left Radial Access Do You Prefer Left Distal Radial or Traditional Proximal Radial
Roundtable Discussion With Audience QA

ARS: What Access Site Do you Prefer in Your Patients Slated for Same day Discharge After PCI
Debate: Same Day Discharge Radial or Femoral Access

Options and Indications for Large Bore Radial Access
Lecturer: Yves R. Louvard

Complex PCI of a Left Main Bifurcation in a Complex Patient
Case Presenter: Francesco Burzotta

Preserving the Radial Artery: Patent Hemostasis and Beyond
Lecturer: Samir B. Pancholy

Essential Skills: Femoral Access and Closure
Lecturer: Zoltan G. Turi

Options and Indications for Large Bore Radial Access
Lecturer: Yves R. Louvard

Complex PCI of a Left Main Bifurcation in a Complex Patient
Case Presenter: Francesco Burzotta

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: Kurt Huber, Neal S. Kleiman
Discussants: M Chadi Alraies, David L. Fischman, Michalis Hamilos, Maurizio Menichelli, Sigmund Silber, Robert C. Welsh

8:00 AM
TICAKOREA: A Randomized Trial of Ticagrelor vs. Clopidogrel in Korean Patients With Acute Coronary Syndromes Intended for Invasive Management
Lecturer: Duk-Woo Park

8:10 AM
Roundtable Discussion With Audience QA

8:15 AM
AUGUSTUS: Hospitalizations From a 2x2 Factorial Randomized Trial of Apixaban vs. Warfarin and Aspirin vs. Placebo in Patients With Atrial Fibrillation
Lecturer: Amit N. Vora

8:25 AM
Roundtable Discussion With Audience QA
HIGH-IMPACT CLINICAL RESEARCH V: TRANSCATHETER AORTIC VALVE REPLACEMENT

High-Impact Clinical Research V: Transcatheter Aortic Valve Replacement
Structural: Valve

SATURDAY, SEPTEMBER 28, 2019
9:00 AM - 10:00 AM
Innovation & Keynote Theater

9:00 AM - 10:00 AM
Transcatheter Aortic Valve Replacement
Moderators: Carlos E. Ruiz, Lars Sondergaard
Discussants: George S. Hanzel, Stefan Harb, Jaffar M. Khan, Oscar A. Mendiz, Stephane Noble, Toby Rogers

9:00 AM
A Randomized Trial of Short Course Dual Antiplatelet Therapy vs. Oral Anticoagulation to Prevent Cerebral Embolism After Transcatheter Aortic Valve Implantation
Lecturer: Victor Alfonso Jimenez Jimenez Diaz

9:10 AM
Roundtable Discussion With Audience QA

9:15 AM
EASY TAVI: A Randomized Trial of Left Ventricular vs. Right Ventricular Rapid Pacing During Transcatheter Aortic Valve Implantation
Lecturer: Benjamin Faurie

9:25 AM
Roundtable Discussion With Audience QA

9:30 AM
CENTER Collaboration: Sex Differences in Outcomes Following Transfemoral Transcatheter Aortic Valve Replacement
Lecturer: Ronak Delewi

9:40 AM
Roundtable Discussion With Audience QA

9:45 AM
Infective Endocarditis After Transcatheter Aortic Valve Implantation From a UK Nationwide Study
Lecturer: Tom Cahill

9:55 AM
Roundtable Discussion With Audience QA

10:00 AM - 11:00 AM
Management of Cardiogenic Shock
Moderators: James M. McCabe, Holger Thiele
Discussants: Dharam J. Kumbhani, Vijay Kunadian, Arasi Maran, Maurizio Menichelli, Pedro R. Moreno, Richard Smalling

10:00 AM
Shock Prognosis: Validation of the SCAI Cardiogenic Shock Classification
Lecturer: Dirk Westermann

10:10 AM
Roundtable Discussion With Audience QA

10:15 AM
Impact of Right Ventricular Dysfunction in Acute Myocardial Infarction Complicated by Cardiogenic Shock
Lecturer: Mir Babar Basir

10:25 AM
Roundtable Discussion With Audience QA

10:30 AM
Multivessel Intervention in Shock: Validation of the CULPRIT SHOCK Trial Outcomes in a National Myocardial Infarction Registry
Lecturer: Wojtek Wojakowski

10:40 AM
Roundtable Discussion With Audience QA

10:45 AM
Lecturer: Ankur Kalra

10:55 AM
Roundtable Discussion With Audience QA

FASCINATING LECTURES

Fascinating Lectures
Innovation

SATURDAY, SEPTEMBER 28, 2019
11:00 AM - 12:12 PM
Innovation & Keynote Theater

11:00 AM - 12:12 PM
Digital Health, Digital Education, and Social Media

HIGH-IMPACT CLINICAL RESEARCH VI: MANAGEMENT OF CARDIOGENIC SHOCK
11:00 – Social Media in the Modern Era of Interventional Cardiology
Lecturer: M Chadi Alraies

11:08 – Roundtable Discussion With Audience QA

11:12 – The CardioQuiz: Adapting Twitter Polls to Create Self Assessment Questions via Social Media
Lecturer: Michael P. Savage

11:20 – Roundtable Discussion With Audience QA

Lecturer: Mohammad El Tahlawi

11:32 – Roundtable Discussion With Audience QA

11:36 – Artificial Intelligence in Cardiology: The Indian Physicians Perspective
Lecturer: Hiteshi K.C. Chauhan

11:44 – Roundtable Discussion With Audience QA

11:48 – An Innovative Mobile Learning Platform for Structural Heart Interventions: CATHLAPP
Lecturer: Benjamin Joas Rieck

11:56 – Roundtable Discussion With Audience QA

12:00 – The Early Days of Coronary Stenting: A Tribute to Charles Dotter
Lecturer: Philippe E. Gaspard

12:08 – Roundtable Discussion With Audience QA

12:10 – Roundtable Discussion With Audience QA

12:15 – SCAAR Registry: Long Term Outcomes After PCI With or Without Intracoronary Pressure Wire Guidance
Lecturer: Elmir Omerovic

12:25 – Roundtable Discussion With Audience QA

12:30 – FIGARO Registry: Frequency and Reasons for Discordance Between FFR and iFR in Assessment of Lesion Hemodynamic Significance
Lecturer: Tomas Kovarnik

12:40 – Roundtable Discussion With Audience QA

12:45 – DEFINE LM Registry: Revascularization Deferral in Patients With Left Main Coronary Artery Disease Based on iFR Evaluation
Lecturer: Takayuki Warisawa

12:55 – Roundtable Discussion With Audience QA

HIGH-IMPACT CLINICAL RESEARCH VIII: VALVE THERAPIES AND NON-CARDIAC SURGERY

High-Impact Clinical Research VIII: Valve Therapies and Non-Cardiac Surgery

SATURDAY, SEPTEMBER 28, 2019
3:00 – 4:00
Innovation & Keynote Theater

3:00 – PARTNER 2 Trial and Registry: Impact of Left And Right Ventricular Longitudinal Systolic Strain Following Transcatheter and Surgical Aortic Valve Replacement
Lecturer: Philippe Pibarot

3:10 – Roundtable Discussion With Audience QA

3:15 – TRUE Registry: A New Prognostic Risk Score for Risk Stratification of Patients With Severe Tricuspid Regurgitation
Lecturer: Alexander Lauten

3:25 – Roundtable Discussion With Audience QA

3:30 – TRILUMINATE Trial: 6 Month Outcomes of Percutaneous Edge to Edge Repair for Tricuspid Regurgitation
Lecturer: Georg Nickenig

3:40 – Roundtable Discussion With Audience QA

3:45 – 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

HIGH-IMPACT CLINICAL RESEARCH VII: PCI WITH PHYSIOLOGIC GUIDANCE

High-Impact Clinical Research VII: PCI With Physiologic Guidance

Coronary: Core

SATURDAY, SEPTEMBER 28, 2019
2:00 - 3:00
Innovation & Keynote Theater

2:00 – 3:00
PCI With Physiologic Guidance
Moderators: Nick Curzen, Paul Knaapen
Discussants: Joost Daemen, Niels R. Holm, Nils Johnson, Morton J. Kern, Barry F. Uretsky, Tim P. Van de Hoej

2:00 – DEFINE FLAIR: 2 Year Outcomes From a Randomized Trial of iFR and FFR Decision Making in Patients With Coronary Artery Disease
Lecturer: Justin E. Davies

2:10 – Roundtable Discussion With Audience QA

2:15 – SCAAR Registry: Long Term Outcomes After PCI With or Without Intracoronary Pressure Wire Guidance
Lecturer: Elmir Omerovic

2:25 – Roundtable Discussion With Audience QA

2:30 – FIGARO Registry: Frequency and Reasons for Discordance Between FFR and iFR in Assessment of Lesion Hemodynamic Significance
Lecturer: Tomas Kovarnik

2:40 – Roundtable Discussion With Audience QA

2:45 – DEFINE LM Registry: Revascularization Deferral in Patients With Left Main Coronary Artery Disease Based on iFR Evaluation
Lecturer: Takayuki Warisawa

2:55 – Roundtable Discussion With Audience QA
**HIGH-IMPACT CLINICAL RESEARCH IX: CAD DIAGNOSIS AND COMPLEX PCI STRATEGIES**

**High-Impact Clinical Research IX: CAD Diagnosis and Complex PCI Strategies**

**Coronary: CHIP**

**Coronary: Core**

**SATURDAY, SEPTEMBER 28, 2019**

**4:00 PM - 5:00 PM**

**Innovation & Keynote Theater**

### Saturday, September 28, 2019

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Lecturer/Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>4:00 PM</td>
<td><strong>PROMISE: Cost Effectiveness Analysis of Non Invasive FFRCT CTA Alone and Functional Testing for Stable Chest Pain Evaluation</strong></td>
<td>Udo Hoffmann</td>
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<tr>
<td>4:10 PM</td>
<td><strong>Roundtable Discussion With Audience QA</strong></td>
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<tr>
<td>4:15 PM</td>
<td><strong>ASET: DES implantation with an Aspirin free Strategy and Prasugrel Monotherapy in Patients with Chronic Coronary Artery Disease</strong></td>
<td>Pedro A. Lemos</td>
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<tr>
<td>4:25 PM</td>
<td><strong>Roundtable Discussion With Audience QA</strong></td>
<td></td>
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<tr>
<td>4:30 PM</td>
<td><strong>SR SCAD: Patient Characteristics Management and Outcomes of Spontaneous Coronary Artery Dissection From a Spanish National Registry</strong></td>
<td>Fernando Alfonso</td>
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<tr>
<td>4:40 PM</td>
<td><strong>Roundtable Discussion With Audience QA</strong></td>
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<tr>
<td>4:45 PM</td>
<td><strong>PROPOT: A Randomized Trial of the Proximal Optimization Technique in Coronary Bifurcation Lesions</strong></td>
<td>Ken Kozuma</td>
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<tr>
<td>4:55 PM</td>
<td><strong>Roundtable Discussion With Audience QA</strong></td>
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### FDA UNIVERSITY AT TCT

**FDA University at TCT**

**Innovation**

**SATURDAY, SEPTEMBER 28, 2019**

**9:00 AM - 9:05 AM**

**Introduction**

**9:00 AM**

**Opening Remarks**

Lecturer: William H. Maisel

**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**

**It's 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 EFSAH 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, Kent Grove, Claire Hambright, Grzegorz L. Kaluzo, Natalie Miller, Hiren Mistry, Semih Oktay, 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: Hiren Mistry

**12:30 PM**

**Roundtable Discussion With Audience QA**

**1:00 PM - 2:00 PM**

**Lunch Break**

**2:00 PM - 4:00 PM**

**Session III: Best Practices in Regulatory Affairs — Postmarket**

Moderators: Lydia S. Glow, Rachel Neubrand
Discussants: Lisa A.M. Becker, Jennifer Bolton, Declan Dineen, Adam Donat, Judy Ji, Irene Parker, Samuel Raben, Megha Reddy, Rebecca Ward
BALLOON PULMONARY ANGIOPLASTY FOR CHRONIC THROMBOEMBOLIC PULMONARY HYPERTENSION: CENTER EXPERTISE AND ILLUSTRATIVE CASE DEMONSTRATIONS

Balloon Pulmonary Angioplasty for Chronic Thromboembolic Pulmonary Hypertension: Center Expertise and Illustrative Case Demonstrations

Vascular

SATURDAY, SEPTEMBER 28, 2019
12:15 PM - 1:45 PM
Room 211

12:15 PM - 1:45 PM
Balloon Pulmonary Angioplasty for Chronic Thromboembolic Pulmonary Hypertension: Center Expertise and Illustrative Case Demonstrations
Lecturer: Carlo Briguori
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: Clinical Trials Summary of Completed and Ongoing Studies
   Lecturer: Somjot S. Brar
1:40 PM Roundtable Discussion With Audience QA

COMBINED STRUCTURAL INTERVENTIONS:
TWO VALVES, VALVE AND LAAO, AND MORE

12:15 PM - 1:45 PM
Combined Structural Interventions
Moderators: Anita Asgar, Fabian Nietlispach
Discussants: Colin M. Barker, Danny Dvir, Amir Kaki, Saibal Kar, Markus Albert Kasel, Magnus Settergren

12:15 PM Combined Structural Interventions

12:15 PM Combined Low Flow Low Gradient Aortic Stenosis and Functional Mitral Regurgitation: A Diagnostic Challenge
   Lecturer: Rebecca T. Hahn
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: Howard C. Herrmann
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: Brij Maini
12:45 PM Roundtable Discussion With Audience QA
12:50 PM Case Resolution: How We Treated Moderate Aortic Stenosis and Severe Secondary Mitral Regurgitation and Its Effect on Prognosis
   Case Presenter: Howard C. Herrmann
12:55 PM State of the Art Medical Therapy for Treatment of Tricuspid Regurgitation and Its Effect on Prognosis
   Lecturer: Linda D. Gillam
1:02 PM 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

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

Clinical Trial Design, Statistics, and Literature Interpretation: The Evidence-Based Medicine Expert — Part 2

12:15 PM - 1:45 PM
Clinical Trial Design, Statistics, and Literature Interpretation: The Evidence-Based Medicine Expert
Moderators: C. Michael Gibson, Stuart J. Pocock
Discussants: Andrew Althouse, Otavio Berwanger, Mitchell W. Krucoff, Milton Packer, Divaka Perera, Robert W. Yeh

Clinical Trial Design, Statistics, and Literature Interpretation: The Evidence-Based Medicine Expert

12:15 PM Use of Repeat Events and Allowance for Competing Risk: How to Do It Right
   Lecturer: Andrew Althouse
12:25 PM When Trials Disagree: The COAPTMITRA 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
1:20 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: Freek Verheugt

1:37 PM  Roundtable Discussion With Audience QA

HYPERTROPHIC CARDIOMYOPATHY AND
SEPTAL ABLATION

Hypertrophic Cardiomyopathy and Septal Ablation
Structural: Non-Valve

SATURDAY, SEPTEMBER 28, 2019
12:15 PM - 1:45 PM
Room 213

12:15 PM - 1:45 PM
Session I: HCM Diagnosis and Medical Management
Moderators: John S. Douglas Jr, George S. Hanzel
Discussants: Bernard J. Gersh, Carey D. Kimmelstiel, Antoine Lafont, John C. Messenger, Sherif F. Nagueh, Ali Oto

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  Risk Stratification for Sudden Cardiac Death and ICD Implantation
Lecturer: Bernard J. Gersh

12:42 PM  Discussion With Audience QA

12:51 PM  Clinical Presentation Pathophysiology and Natural History
Lecturer: Bernard J. Gersh

1:00 PM - 1:45 PM
Session II: Alcohol Septal Ablation
Moderators: Sherif F. Nagueh, Hubert Seggewiss
Discussants: Valerian Fernandes, Jorge Gaspar, Morton J. Kern, Srihari S. Naidu, Francesco Pelliccia, Stephen R. Ramee

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: Hubert Seggewiss

1:27 PM  Long term Outcomes of Alcohol Septal Ablation
Lecturer: George S. Hanzel

1:36 PM  Discussion With Audience QA

SPONTANEOUS CORONARY ARTERY
DISSECTION: NOVEL INSIGHTS ON DIAGNOSIS
AND TREATMENT

12:15 - 1:45 PM
Complex Adult Congenital Intervention
Structural: Non-Valve

SATURDAY, SEPTEMBER 28, 2019
12:15 PM - 1:45 PM
Room 203

12:15 PM - 1:45 PM
Complex Adult Congenital Intervention
Moderators: Zahid Amin, John F. Rhodes
Discussants: Matthew A. Crystal, Eric Horlick, Thomas K. Jones, Clifford J. Kavinsky, Manuel D. Pan, Harsimran Sachdeva Singh

12:15 PM  A Cancer Patient Who Underwent Placement of a Port a Cath:
Look What Happened
Case Presenter: Clifford J. Kavinsky

12:24 PM  An Adult With an Aortopulmonary Window
Case Presenter: Eric Horlick

12:33 PM  A Fontan Patient Who Had a Thrombus
Case Presenter: Matthew A. Crystal

12:42 PM  Pregnancy CHF and a Transcatheter Tricuspid Valve Implantation
Case Presenter: Harsimran Sachdeva Singh

12:51 PM  A Case of PIVSD: A Difficult Case With a Difficult Decision
Case Presenter: Zahid Amin

1:00 PM  An Octogenarian With a De Novo Dilated Cardiomyopathy
Case Presenter: Reda Ibrahim

1:09 PM  Coarctation Stent Implantation in an Adult With Turner
Case Presenter: Thomas K. Jones

1:18 PM  A Left Ventricular Pseudoaneurysm
Case Presenter: John P. Breinholt

1:27 PM  A Baffling Occlusion: Transcatheter Fontan Baffle Creation
Lecturer: John F. Rhodes
12:15 PM - 1:45 PM  
Neuro Interventions for Stroke and Carotid Stenosis

Moderators: Enrico Ascher, Aman B. Patel  

12:15 PM  
Studies Systems and Selection: Stroke in 2019  
Lecturer: Thabele M. Leslie-Mazwi

12:32 PM  
Roundtable Discussion With Audience QA

12:37 PM  
Stroke Prevention Strategies...and Endovascular Techniques When Prevention Fails  
Lecturer: Christopher J. Stapleton

12:49 PM  
Controversies in Stroke Treatment: Large Core Low NIHSS Advanced Age  
Lecturer: Matthew Koch

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: Charles Matouk

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: Adnan Siddiqui

1:30 PM  
Vertebral Artery Stenting: Indications Techniques and Complications  
Lecturer: Charles Matouk

1:37 PM  
Roundtable Discussion With Audience QA
9:00 AM - 10:10 AM
Challenges and Developments in TAVI Procedure: Argentinean and French Experiences
Moderators: Anibal A. Damonte, Jacques Monsegu
Discussants: Gustavo Andersen, Alejandro D. Fernandez, Gerardo Nau, Christian M. Spaulding, Eric Van Belle

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 Latin American Experience
Lecturer: Matias Sztejfman

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

3:00 PM  Session I: Imaging
3:00 PM  IVUS: Its Present Roles and Advantages
Lecturer: Debdatto Bhattacharya

3:10 PM  How OCT Can Help Better Predict MACE Events in Left Main vs. IVUS: ROCK II Retrospective Update
Lecturer: Selvamani Sethuraman

3:20 PM  How India Is Learning to See Its PCI Patients Through 1n OCT: The 2 Year Journey Update
Lecturer: Rony Mathew

3:30 PM  Roundtable Discussion With Audience QA

3:40 PM  Session II: Physiology Session
3:40 PM  Physiology 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 Is the Latest Data
Lecturer: Rajesh Vijayvergiya

4:00 PM  Roundtable Discussion With Audience QA

4:05 PM  Session III: DES
4:05 PM  Stent Choice in Complex Lesions: How the Unique Stent DNA Can Help Improve the Patient Outcomes
Lecturer: Prathap Kumar

4:15 PM  STOPDAPT SMART CHOICE and TWILIGHT: Will These Trials Change Your Clinical Practice
Lecturer: Aditya Kapoor

4:25 PM  Closing Remarks and Key Takeaways

CSI-NIC INDIA SESSION @ TCT

CSI-NIC India Session @ TCT
Coronary: Core

Coronary: CHIP

SATURDAY, SEPTEMBER 28, 2019
3:00 PM - 4:30 PM
Room 216

3:00 PM - 4:30 PM
Precision PCI and Optimization of PCI Outcomes
Chairs: Dhiman Kahali, Ajay J. Kirtane, Prathap Kumar, Sreenivas Arramroju
Kumar
Panelists: Md Golam Azam, Madhu K. Sreedharan, Luca Testa

INTERNATIONAL COMPLEX CASE SESSION VII: FEATURED CHIP AND OTHER SPECIAL PCI SITUATIONS

International Complex Case Session VII: Featured CHIP and Other Special PCI Situations

Coronary: CHIP

SATURDAY, SEPTEMBER 28, 2019
8:30 AM - 10:30 AM
Presentation Theater 1
8:30 AM - 10:30 AM
**Featured CHIP and Other Special PCI Situations**
Moderators: Waqar H. Ahmed, Ivo Petrov
Discussants: David Leonardo Aguilar De La Torre, Giovanni Esposito, Alejandro Goldsmit, Afzalur Rahman, Abdullah Shehab, Li-Wah Tam

8:30 AM
**Introduction**
Lecturer: Ivo Petrov

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

9:35 AM
Thailand Presents: Rescue PCI Under VA ECMO Support in Patient Who Failed Fibrinolytic Therapy and Complicated With Pulmonary Alveolar Hemorrhage
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: Waqar H. Ahmed

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**INTERNATIONAL COMPLEX CASE SESSION VIII: A POTPOURRI OF COMPLEX INTERVENTIONAL CASES I**

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**INTERNATIONAL COMPLEX CASE SESSION IX: A POTPOURRI OF COMPLEX INTERVENTIONAL CASES II**

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**SATURDAY, SEPTEMBER 28, 2019**

2:30 AM - 4:00 AM
**A Potpourri of Complex Interventional Cases I**
Moderators: Pedro De Araujo Goncalves, Afzalur Rahman
Discussants: Ngai-Yin Chan, Ahmed Magdy, Armando Perez de Prado, Oleg Polonetsky

2:30 AM
**Introduction**
Lecturer: Afzalur Rahman

2:35 AM
Egypt Presents: When You Do Not Have Enough Coils
Case Presenter: Amr ElHadidy

2:45 AM
Roundtable Discussion With Audience QA

2:50 AM
Hong Kong Presents: Percutaneous Closure of Left Atrial Appendage With Thrombus in 2 Patients With Different Outcomes
Case Presenter: Ngai-Yin Chan

3:00 AM
Roundtable Discussion With Audience QA

3:05 AM
Indonesia Presents: Handling LAA Closure Device Implantation in Small LAA With Protruding Pectinate Muscles
Case Presenter: Teguh Santoso

3:15 AM
Roundtable Discussion With Audience QA

3:20 AM
Belarus Presents: Minimally Invasive Hybrid Approach to Direct Device LV Remodeling in Patient With Ischemic Cardiomyopathy
Case Presenter: Oleg Polonetsky

3:30 AM
Roundtable Discussion With Audience QA

3:35 AM
Spain Presents: Percutaneous Treatment of a Large Ascending Aortic Pseudoaneurysm
Case Presenter: Armando Perez de Prado

3:45 AM
Roundtable Discussion With Audience QA

3:50 AM
Final Thoughts
Lecturer: Pedro De Araujo Goncalves
4:00 PM - 5:30 PM
A Potpurri of Complex Interventional Cases II
Moderators: Pablo D. Charry-Amaya, Petr Kala
Discussants: Mohammed I. Kurdi, Milan A. Nedeljkovic, Andrzej J. Ochala, Joao Brum Silveira, Jorge Villegas, Karl von Mangoldt

4:00 PM Introduction
Lecturer: Petr Kala

4:05 PM Serbia Presents: A Case of a Patient With Multiple Comorbidities in Setting Limited TAVR Resources
Case Presenter: Milan A. Nedeljkovic

4:15 PM Roundtable Discussion With Audience QA

4:30 PM Colombia Presents: Post Traumatic Coronary Cameral Fistula
Case Presenter: Jorge Villegas

4:40 PM Roundtable Discussion With Audience QA

4:55 PM Tunisia Presents: How to Manage Acute Thrombosis of the Abdominal Aorta
Case Presenter: Habib Gamra

5:05 PM Roundtable Discussion With Audience QA

5:20 PM Final Thoughts
Lecturer: Petr Kala

CLINICAL CHALLENGES IN HIGH-RISK PCI: A CASE-BASED REVIEW (SPONSORED BY CRF SUPPORTED BY AMGEN INC.)

Clinical Challenges in High-Risk PCI: A Case-Based Review (Sponsored by CRF Supported by Amgen Inc.)

SATURDAY, SEPTEMBER 28, 2019
6:30 AM - 7:45 AM
Room 207

6:30 AM - 6:45 AM
Check-in & Breakfast

6:45 AM - 7:45 AM
Clinical Challenges in High-Risk PCI: A Case-Based Review
Faculty: Shamir R. Mehta, Jeffrey W. Moses, David Wohns, MD
Chairs: Ajay J. Kirtane, Roxana Mehran

6:45 AM Session Overview
Lecturer: Roxana Mehran

6:50 AM Case 1: Complex PCI
Lecturer: David Wohns, MD

7:02 AM DiscussionQA

7:07 AM Case 2: STEMI PCI In A Newly Diabetic Patient
Lecturer: Shamir R. Mehta

7:18 AM DiscussionQA

7:23 AM Case 3: Recurrent In stent Restenosis
Lecturer: Jeffrey W. Moses

7:35 AM DiscussionQA

7:45 AM Adjourn

CORONARY DRUG-COATED BALLOONS: CURRENT CHALLENGES, EMERGING CLINICAL INDICATIONS, AND FUTURE DIRECTIONS (SPONSORED BY CRF SUPPORTED BY B. BRAUN INTERVENTIONAL SYSTEMS, MEDTRONIC, AND TERUMO INTERVENTIONAL SYSTEMS)
INTERVENTIONAL THERAPIES FOR HYPERTENSION: CURRENT EVIDENCE AND CONTROVERSIES (SPONSORED BY CRF SUPPORTED BY ABLATIVE SOLUTIONS, ORCHESTRA BIOMED, AND RECOR MEDICAL, INC.)

Current Perspectives and Future Technologies in Below-the-Knee Intervention (Sponsored by CRF; Supported by Medtronic and WL Gore & Associates)

SATURDAY, SEPTEMBER 28, 2019
6:30 AM - 6:45 AM
Check-in & Breakfast

6:45 AM - 7:45 AM
Current Perspectives and Future Technologies in Below-the-Knee Intervention
Faculty: Michel Azizi, Melvin D. Lobo, Andrew Sharp
Chairs: Felix Mahfoud, Michael A. Weber

6:45 AM
Introduction and Session Objectives
Lecturer: Sahil A. Parikh

6:47 AM
Understanding BTK Disease: Impact of Lesion Type Severity and Location on Technique and Device Selection
Lecturer: Sahil A. Parikh

6:54 AM
Unveiling the Unmet Needs in BTK Intervention: Where Are We Now and Where Are We Going
Lecturer: Mahmood K. Razavi

7:01 AM
Moderated Discussion

7:10 AM
The BTK Interventional Toolbox: Wires and Crossing Devices
Lecturer: Ehrin J. Armstrong

7:17 AM
Atherectomy Balloons and Stents: Data Update
Lecturer: Eric A. Secemsky

7:24 AM
Emergent Drugs and Local Drug Delivery Systems
Lecturer: Juan F. Granada

7:31 AM
Moderated Discussion

7:45 AM
Adjourn

INTERVENTIONAL THERAPIES FOR HYPERTENSION: CURRENT EVIDENCE AND CONTROVERSIES (SPONSORED BY CRF SUPPORTED BY ABLATIVE SOLUTIONS, ORCHESTRA BIOMED, AND RECOR MEDICAL, INC.)

Current Perspectives and Future Technologies in Below-the-Knee Intervention (Sponsored by CRF; Supported by Medtronic and WL Gore & Associates)

SATURDAY, SEPTEMBER 28, 2019
6:30 AM - 6:45 AM
Check-in & Breakfast

6:45 AM - 7:45 AM
Interventional Therapies for Hypertension: Current Evidence and Controversies (Sponsored by CRF Supported by Ablative Solutions, Orchestra BioMed, and ReCor Medical, Inc.)

Faculty: Michel Azizi, Melvin D. Lobo, Andrew Sharp
Chairs: Felix Mahfoud, Michael A. Weber

6:45 AM
Introduction and Session Objectives
Lecturer: Sahil A. Parikh

6:47 AM
Understanding BTK Disease: Impact of Lesion Type Severity and Location on Technique and Device Selection
Lecturer: Sahil A. Parikh

6:54 AM
Unveiling the Unmet Needs in BTK Intervention: Where Are We Now and Where Are We Going
Lecturer: Mahmood K. Razavi

7:01 AM
Moderated Discussion

7:10 AM
The BTK Interventional Toolbox: Wires and Crossing Devices
Lecturer: Ehrin J. Armstrong

7:17 AM
Atherectomy Balloons and Stents: Data Update
Lecturer: Eric A. Secemsky

7:24 AM
Emergent Drugs and Local Drug Delivery Systems
Lecturer: Juan F. Granada

7:31 AM
Moderated Discussion

7:45 AM
Adjourn
6:45 AM Welcome and Introductions
Lecturer: Michael A. Weber

6:47 AM In Case You Missed It: What Happened So Very Recently in Renal Denervation
Lecturer: Andrew Sharp

7:04 AM Interventional Therapies for Hypertension: Thinking Outside the Kidney
Lecturer: Felix Mahfoud

7:16 AM Moderated Discussion

7:21 AM Who is the Ideal Patient for an Interventional HTN Therapy
Lecturer: Michel Azizi

7:31 AM Future Challenges for Hypertension Therapies: My Crystal Ball for the Next 5-10 years
Lecturer: Melvin D. Lobo

7:41 AM Moderated Discussion

7:45 AM Adjourn

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**KILL MANY BIRDS WITH ONE STONE**
*SPONSORED BY INDIA MEDTRONIC PVT. LTD.*

**Kill Many Birds With One Stone (Sponsored by India Medtronic Pvt. Ltd.)**

**SATURDAY, SEPTEMBER 28, 2019**

**Room 215**

6:30 AM - 6:45 AM Check-in and breakfast

6:45 AM - 7:45 AM Kill Many Birds With One Stone
Faculty: Parayoru Kottayil Asokan, Prathap Kumar, Viveka Kumar, sanjay mehrotra, NIKHIL PARCHEURE, Anand M. Rao, Sai Satish, Rajesh Vijayvergiya
Chairs: Tarlochan Singh Kler, Martin B. Leon, Gary S. Mintz, Sundeep Mishra

6:45 AM Session I: The Case for Novel Bioresorbable Polymer DES
Discussants: Parayoru Kottayil Asokan, Viveka Kumar, Anand M. Rao, Sai Satish
Presenters: SM Ashraf

6:53 AM ORSIRO: An Ultra Thin Strut Metallic DES With Bioresorbable Polymer
Lecturer: George D. Dangas

7:01 AM Session II: The Case for Durable Polymer DES
Discussants: Parayoru Kottayil Asokan, Viveka Kumar, Anand M. Rao
Presenters: Sai Satish

7:09 AM The Onyx One Programs: Moving to High Bleeding Risk Patients
Lecturer: Matthew J. Price

7:17 AM Session III: The Case for Polymer Free DES
Discussants: Parayoru Kottayil Asokan, Viveka Kumar, Anand M. Rao
Presenters: Prathap Kumar

7:25 AM Selecting the Right Stent for Your Patient: What Factors Are Differentiating
Lecturer: Perwaiz M. Meraj

7:33 AM Moderated Discussion and Summary

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**PERCUTANEOUS MITRAL INTERVENTIONS: STANDARD OF CARE AND FUTURE DEVELOPMENT (SPONSORED BY CRF; SUPPORTED BY ABBOTT)**

**Next-Generation DES Technology: The Future Is Here! (Sponsored by CRF; Supported by Abbott and Boston Scientific Corporation)**

**SATURDAY, SEPTEMBER 28, 2019**

**Room 201-202**

6:30 AM - 6:45 AM Check-in and breakfast

6:45 AM - 7:45 AM Next-Generation DES Technology: The Future Is Here!
Faculty: Sripal Bangalore, Ajay J. Kirtane, Perwaiz M. Meraj, Philip M. Urban
Chairs: George D. Dangas, Matthew J. Price

6:45 AM Session I: The Case for Novel Bioresorbable Polymer DES
Discussants: Parayoru Kottayil Asokan, Viveka Kumar, Anand M. Rao, Sai Satish
Presenters: SM Ashraf

6:53 AM The Evolving SYNERGY Programs: EVOLVE Short DAPT Updates
Lecturer: Ajay J. Kirtane

7:01 AM Session II: The Case for Durable Polymer DES
Discussants: Parayoru Kottayil Asokan, Viveka Kumar, Anand M. Rao
Presenters: Sai Satish

7:09 AM The Science Behind Xience: From EXCEL to Short DAPT
Lecturer: Sripal Bangalore

7:17 AM Session III: The Case for Polymer Free DES
Discussants: Parayoru Kottayil Asokan, Viveka Kumar, Anand M. Rao
Presenters: Prathap Kumar

7:25 AM Selecting the Right Stent for Your Patient: What Factors Are Differentiating
Lecturer: Perwaiz M. Meraj

7:33 AM Moderated Discussion and Summary
Percutaneous Mitral Interventions: Standard of Care and Future Development (Sponsored by CRF; Supported by Abbott)

SATURDAY, SEPTEMBER 28, 2019
6:30 AM - 7:45 AM
Room 209-210

6:30 AM - 6:45 AM
Check-in and breakfast

6:45 AM - 7:45 AM
Percutaneous Mitral Interventions: Standard of Care and Future Development
Faculty: Vinayak N. Bapat, Michael J. Mack, Gilbert H.L. Tang
Chairs: Saibal Kar, Francesco Maisano

6:45 AM  Welcome and Introduction
Lecturer: Saibal Kar

6:50 AM  Taking MitraClip Therapy to the Next Level: Reaching Excellence in Standard Practice and Beyond Standard Indications
Lecturer: Gilbert H.L. Tang

7:05 AM  Focus FMR: Trial Data Patient Selection and Synergistic Therapies
Lecturer: Michael J. Mack

7:20 AM  Mitral Valve Replacement: Who When and Why
Lecturer: Vinayak N. Bapat

7:35 AM  Roundtable Discussion With Audience QA
Lecturer: Francesco Maisano

7:45 AM  Adjourn

FUTURE AND SCOPE OF SIROLIMUS-COATED BALLOON IN PERIPHERAL VASCULAR TREATMENT (SPONSORED BY CONCEPT MEDICAL, INC.)

Future and Scope of Sirolimus-Coated Balloon in Peripheral Vascular Treatment (Sponsored by Concept Medical, Inc.)

SATURDAY, SEPTEMBER 28, 2019
11:30 AM - 12:30 PM
Presentation Theater 2

11:30 AM  Science Behind Nanolute Technology of Sirolimus Coated Balloon
Presenter: George D. Dangas

11:37 AM  The MagicTouch PTA Sirolimus Coated Balloon: Insights From Preclinical Evaluation
Presenter: Alok Finn

11:44 AM  XTOSI Study: First in Man Study of Clinical Use and Safety of Sirolimus Coated PTA Balloon in the Treatment of Infrainguinal Arterial Disease
Presenter: Edward Choke

11:52 AM  Xtreme FIM: Clinical Outcome and Safety in Peripheral Vascular Disease With Sirolimus Coated Balloon And Case Report
Presenter: Sameer I. Dani

11:59 AM  Case: Critical Limb Ischemia Treated by Infrapopliteal DEB
Presenter: Sreekala Padmanabhan

12:06 PM  Sirolimus Coated Balloon for Salvage Thrombus Arteriovenous Graft Interim Results and Future RCT Design
Presenter: Tang Tjun Yip

12:14 PM  Sirolimus Coated Balloon for the Treatment of Vasculogenic Erectile Dysfunction: Ready for the Prime Time
Presenter: Giuseppe M. Sangiorgi

12:22 PM  Panel Discussion and Audience Interaction
Discussant: Subhash Chandra, Stefano Galli, Dinesh Shah

NEW ADVANCES IN PHYSIOLOGY AND IMAGING TO OPTIMIZE OUTCOMES (SPONSORED BY BOSTON SCIENTIFIC CORPORATION)

New Advances in Physiology and Imaging to Optimize Outcomes (Sponsored by Boston Scientific Corporation)

SATURDAY, SEPTEMBER 28, 2019
11:30 AM - 12:30 PM
Presentation Theater 4

11:30 AM - 12:30 PM
New Advances in Physiology and Imaging to Optimize Outcomes
Faculty: Ziad A. Ali, Cindy L. Grines, Nils Johnson, Morton J. Kern, Arnold Seto

11:30 AM  Welcome and Introductions
Presenter: Cindy L. Grines, Morton J. Kern

11:35 AM  New Options in Coronary Physiology in Practice
Presenter: Arnold Seto

11:50 AM  Non Culprit Lesions in STEMI: Update on FULL REVASC
Presenter: Nils Johnson
STANDING AT THE CROSSROADS OF PATIENT RISK MANAGEMENT: THE ROLE OF THE INTERVENTIONAL CARDIOLOGIST IN LIPID MANAGEMENT (ORGANIZED BY CRF; SPONSORED BY THE MEDICINES COMPANY)

Saturdays, September 28, 2019
11:30 AM - 12:30 PM
Presentation Theater 1

11:30 AM - 12:30 PM
The Role of the Interventional Cardiologist in Lipid Management
Faculty: Wolfgang Koenig, R. Scott Wright
Chairs: Ori Ben-Yehuda

11:30 AM
Welcome
Lecturer: Ori Ben-Yehuda

11:35 AM
The Angiogram: Charting the Course for Effective Lipid Management
Lecturer: Ori Ben-Yehuda

11:45 AM
Discussion

11:50 AM
The State of The Art in LDL C Lowering: Urgent Needs and Unmet Opportunities
Lecturer: R. Scott Wright

12:00 PM
Discussion

12:05 PM
What is the Role of the Interventional Cardiologist in Lipid Management
Lecturer: Wolfgang Koenig

12:15 PM
Commentary
Lecturer: Frederick Feit

12:25 PM
Panel Discussion and QA

THE MODERNIZED PCI APPROACH: WHY AUTOMATIC OCT-GUIDED EXPANSION DETECTION MATTERS AND HOW TO OPTIMIZE OUTCOMES (SPONSORED BY ABBOTT)

Saturdays, September 28, 2019
11:30 AM - 12:30 PM
Presentation Theater 3

11:30 AM - 12:30 PM
The Modernized PCI Approach: Why Automatic OCT-Guided Expansion Detection Matters and How to Optimize Outcomes
Faculty: Hiram G. Bezerra, Allen Jeremias, Nick E. J. West

11:30 AM
Why Expansion Matters and How OCT Uncovers What Goes Unseen in the Angiogram
Presenter: Allen Jeremias

11:50 AM
How Do You React to the Automatic Expansion Data with OCT A Case Based Review of Using Volumetric Expansion Data.
Presenter: Hiram G. Bezerra

12:10 PM
Data Considerations Beyond Stent Expansion Limits. Not All Stents are Created Equal
Presenter: Nick E. J. West

ABILITY TO TREAT DIABETIC PATIENTS: WITH A NOVEL COMBINED DES AND DCB IN A SINGLE PLATFORM (SPONSORED BY CONCEPT MEDICAL, INC.)

Saturdays, September 28, 2019
1:00 PM - 2:00 PM
Presentation Theater 2

1:00 PM - 2:00 PM
Ability to Treat Diabetic Patients: With a Novel Combined DES and DCB in a Single Platform
Faculty: Sameer Dani, Alfonso Ielasi, Prathap Kumar, Azeem Latib, Luca Testa, Paolo Vicinelli
Chairs: Antonio Colombo, Roxana Mehran, Marie-Claude Morice

1:00 PM
Why Do We Need a Dedicated DES for Diabetes: Introducing the Abluminus Concept
Presenter: Roxana Mehran

1:08 PM
Multicenter Real World Data From Global Registries
Presenter: Luca Testa

1:16 PM
Case 1: Step by Step Treatment Strategy of Complex Diabetic Patient With Abluminus DES
Presenter: Sameer I. Dani

1:22 PM
Case 2: Abluminus in CHIP Cases and Outcomes

NOVEL TECHNOLOGIES FROM MERIL'S ARMAMENTARIUM (SPONSORED BY MERIL LIFE SCIENCES PVT. LTD.)

SATURDAY, SEPTEMBER 28, 2019
1:00 PM - 1:00 PM
Presentation Theater 3

Presenters:
Paolo Vicinelli
Prathap Kumar

The Great Crossings: CHIP Masterclass (Sponsored by Boston Scientific India Pvt. Ltd.)

SATURDAY, SEPTEMBER 28, 2019
1:00 PM - 2:00 PM
Presentation Theater 4

Faculty: Debdatta Bhattacharya, ANUPAM JENA, Rajasekhar Varada, Rajesh Vijayvergiya
Chairs: Pravin K. Goel, SHIRISH HIREMATH, Prathap Kumar, Samuel K. Mathew

OPTIMIZING LDL-C MANAGEMENT IN PATIENTS UNDERGOING REVASCULARIZATION: MORE THAN JUST THE METAL (SPONSORED BY AMGEN, INC.)

SATURDAY, SEPTEMBER 28, 2019
1:00 PM - 2:00 PM
Presentation Theater 1

Presenters:
Ziad A. Ali, Aloke Finn

DAPT AND TRIPLE THERAPY: A CASE-BASED GUIDE TO OPTIMAL ANTIPLATELET THERAPIES (SPONSORED BY CRF; SUPPORTED BY ABBOTT, BOSTON SCIENTIFIC CORPORATION, AND MEDTRONIC)

Coronary: CHIP
Coronary: Core

SATURDAY, SEPTEMBER 28, 2019
6:00 PM - 8:00 PM
Yerba Buena Ballroom 7

THE GREAT CROSSINGS: CHIP MASTERCLASS (SPONSORED BY BOSTON SCIENTIFIC INDIA PVT. LTD.)
6:00 PM - 6:30 PM  
Check-in and reception

6:30 PM - 8:00 PM  
DAPT and Triple Therapy: A Case-Based Guide to Optimal Antiplatelet Therapies  
Lecturers: C. Michael Gibson, James B. Hermiller Jr, Sunil V. Rao  
Co-Chairs: Ajay J. Kirtane, Roxana Mehran

6:30 PM  
Welcome Introductions and Session Goals  
Lecturer: Roxana Mehran

6:35 PM  
Optimal Strategies for DAPT: Concise Summaries  
Role of New Gen DES in Patients at HBR: Does Stent Type Matter  
Lecturer: Ajay J. Kirtane

6:45 PM  
Approaches to Reduce Bleeding Risk Post PCI in Patients Requiring OAC: Is There Any Role for ASA  
Lecturer: C. Michael Gibson

6:55 PM  
Roundtable Discussion

7:10 PM  
Real World Cases  
Moderators: Ajay J. Kirtane, Roxana Mehran  
Panel Discussants: C. Michael Gibson, James B. Hermiller Jr, Sunil V. Rao

7:10 PM  
Case 1: A Complex Multivessel PCI in an Elderly Woman  
Case Presenter: James B. Hermiller Jr

7:15 PM  
Panel and Synthesis

7:25 PM  
Case 2: A Patient With Complex Disease Who Requires Noncardiac Surgery  
Case Presenter: Sunil V. Rao

7:30 PM  
Panel and Synthesis

7:40 PM  
Case 3: A Patient With AF and ACS  
Case Presenter: C. Michael Gibson

7:45 PM  
Panel and Synthesis

8:00 PM  
Adjourn

8:30 AM - 10:35 AM  
Highest Peer-Reviewed Oral Abstracts of TCT2019 — Sponsored by CCI and EuroIntervention  
Moderators: Steven R. Bailey, Robert A. Byrne  
Discussants: Giuseppe Biondi-Zoccai, Eric A. Cohen, Sameer Gafoor, Lloyd W. Klein, Julio C. Palmaz, Renu Virmani

8:30 AM  
Presenting Author: Mark Chang

8:40 AM  
Discussion

8:50 AM  
TCT 7: Blinded Outcomes Assessment of Absorb Biodegradable Scaffolds Implanted With Improved Technique: Two Year Results From the ABSORB IV Randomized Trial  
Presenting Author: Gregg W. Stone

9:00 AM  
Discussion

9:05 AM  
TCT 3: Modified Body Mass Index a Novel Marker of Malnutrition and Clinical Frailty is Associated with Outcomes after Transcatheter and Surgical Aortic Valve Replacement  
Presenting Author: Elissa Driggin

9:15 AM  
Discussion

9:20 AM  
TCT 5: Is Surgical Aortic Valve Replacement Still an Option for Radiation induced Aortic Stenosis in Transcatheter Aortic Valve Replacement Era  
Presenting Author: Farhang Yazdchi

9:30 AM  
Discussion

9:35 AM  
TCT 6: Incidence And Predictors Of Hemodynamic Deterioration of Transcatheter and Surgical Bioprosthetic Aortic Valves: Pooled Analysis from the CoreValve Pivotal Trials  
Presenting Author: Daniel O’Hair

9:45 AM  
Discussion

9:50 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: Chet Rihal

10:00 AM  
Discussion

10:05 AM  
TCT 2: Paravalvular Regurgitation after Transcatheter Aortic Valve Replacement in Moderate Risk Patients: A Pooled PARTNER 2 Trial and Registry Study  
Presenting Author: Katherine Chau

10:15 AM  
Discussion

10:20 AM  
TCT 8: Updated 30 Day Outcomes for the U.S. Early Feasibility Study of the SAPIEN M3 Transcatheter Mitral Valve Replacement System  
Presenting Author: Brian K. Whisenant

10:30 AM  
Discussion

HIGHEST GRADED ABSTRACTS OF TCT 2019

Highest Graded Abstracts of TCT 2019

Coronary: Core

SATURDAY, SEPTEMBER 28, 2019

8:30 AM - 10:35 AM  
Room 215

CHALLENGING CASES 5

Challenging Cases 5

Structural: Non-Valve  
Coronary: CHIP  
Vascular  
Coronary: Core  
Structural: Valve
TRANSCATHETER VALVE THERAPY | SATURDAY, SEPTEMBER 28, 2019
9:15 AM - 10:45 AM
Hall D

9:15 AM - 10:45 AM
**Coronary XX**
Discussant: Prathap Kumar, Faisal Latif, Chunjian Li, John J. Lopez, Jianfang Luo, Sara C. Martinez, Bilal S. Mohydin, Sunil V. Rao, Roberta Rossini

9:15 AM  
**TCT 1679:** Primary PCI supported with Impella LVAD in STEMI due to simultaneous thrombosis of multiple vessels  
Presenting Author: Carlos Enrique Ochoa Castro

9:15 AM  
**TCT 1423:** Spontaneous Internal Mammalian Artery Graft Dissection Triggered by Emotional Stress  
Presenting Author: Kosuke Sawami

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: Lilya 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: Prateek Sharma

9:15 AM  
**TCT 1428:** Less Can Be More  
Presenting Author: Raed Alkutshan

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 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: Sharmane Thiru

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  
**TCT 1437:** Utilization of Minimal Dose Radiation in Percutaneous Coronary Intervention During ST Elevation Myocardial Infarction with Cardiogenic Shock  
Presenting Author: Subrata Kar

9:15 AM  
**TCT 1438:** Relax It is Icy Cold and I am Dying A Case of MINOCA  
Presenting Author: Tan Kin Leong

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: Vinip 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 anterior wall STEMI with large thrombus originating from ascending aortic aneurysm  
Presenting Author: Wiwat Kanjanarutjawiwat

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: Maged Rames

9:15 AM  
**TCT 1445:** Shock and Bore: A Hybrid PCI Approach to Severely Calcific Lesions of Both Coronary Ostia  
Presenting Author: Konstantinas Kalozeras

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: AMREEN DHINDSA

9:15 AM  
**TCT 1447:** OSTIAL LAD CTO STENTING WITH DES  
Presenting Author: Hariom Tyagi

9:15 AM  
**TCT 1448:** Double S 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 False Aneurysm  
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**

TRANSCATHETER VALVE THERAPY | SATURDAY, SEPTEMBER 28, 2019
Last Updated 09/26/2019 Page: 188
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 Karacsonyi

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: Kalaiavin 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: Antoine Gerbay

9:15 am - TCT 1459: How to use dual lumen microcatheter in case of ambiguous proximal cap in CTO
Presenting Author: krzysztof bryniarski

9:15 am - TCT 1460: Oculding 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 supported revascularization for a CHIP Patient with Multivessel Subtotal Occlusion
Presenting Author: Liming Gao

9:15 am - TCT 1463: Transcatheter Closure With Figulla Flex II of Late Post Myocardial 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 1611: Every Interventionists nightmare: Successful nonsurgical treatment of left main coronary complication during angioplasty
Presenting Author: Siddhartha Mengi

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 - 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: Purush Surunchukorn

9:15 am - TCT 1473: Complications and Learnings from MVD and Diabetics
Presenting Author: Rakesh Jaswal

9:15 am - TCT 1474: A DAY OF COMPLICATIONS
Presenting Author: remesh patel

9:15 am - TCT 1475: RESCUE LEFT MAIN STENTING IN IATROGENIC ASCENDING AORTA DISSECTION INDUCED BY GUIDE CATHETER
Presenting Author: remesh sankaran

9:15 am - TCT 1476: Shock after successful Primary PCI a shocking cause
Presenting Author: Ravindran Rajendran

9:15 am - TCT 1478: Bail Out Reverse Crush Bifurcation Stenting for Hydraulic Dissection of the Left Main and Left Circumflex
Presenting Author: Samit 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: Imran Ifzikhar

9:15 am - TCT 1481: A Complex Spontaneous Coronary Artery Dissection of Left Main Left Anterior Descending and Left Circumflex coronary artery
Presenting Author: Sayed Elgizy

9:15 am - TCT 1483: Successful Retrieval of an Entrapped Orbital Atherectomy System OAS 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. Aboufares, J. Michael Bacharach, Daniel R. Bensimhon, Philippe Brenot, Alejandro Cherro, Maddury Jyotsna, John Moriarty, Khusrow Niazi

9:15 am - TCT 1254: Percutaneous use of the INARI ClotTriever thrombectomy device with weoplasty and stenting as a management strategy for iatrogenic obstructive Deep Venous Thrombosis.
Presenting Author: Osama Abdel-Hafez

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  
Presetting 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  
Presetting Author: Asif Uddin

9:15 AM  TCT 1488: The case of multi stage treatment of arteriovenous malformations of the uterus and pelvis  
Presetting Author: Bauryzhan 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 recanalization.  
Presetting Author: Bryan Yan

9:15 AM  TCT 1490: Transcatheter recanalization of Popliteal ATA and PTA  
Presetting Author: Farhat Fouadavand

9:15 AM  TCT 1491: Endovascular therapy for iliac arteries via Distal Radial Artery in Hemodialysis Patient  
Presetting Author: satoru takaesu

9:15 AM  TCT 1492: A rare case of acute idiopathic axillary artery occlusion  
Presetting Author: Sreekala Padmanabhan

9:15 AM  TCT 1493: High Output Cardiac Failure Resulting from Renal Artery Stenosis Related to an Aortic Endoluminal Graft  
Presetting Author: Srilekha Sridhara

Presetting Author: Gustavo Carvalho

9:15 AM  TCT 1495: Stroke due to paradoxical emboli from pulmonary arteriovenous malformation  
Presetting Author: Ki Buom Lee

9:15 AM  TCT 1496: My most challenging case  
Presetting Author: Mark Abelson

Presetting Author: Nikita Litvinyyuk

9:15 AM - 10:45 AM  Structural IX
Discusssant: Amr E. Abbas, Ramesh Adiraju, Carla Agatiello, Matthias Götberg, Simon Cheung-chi Lam, Michael J. Mullen, Vivian G. Ng, Brad Oldemeyer, Ali Oto, Jorge Palazuelos, Vincent J. Pompili, Vivek Rajagopal, Zoltan G. Turi

9:15 AM  TCT 1498: A Case of Spontaneous Coronary Artery Dissection Managed Based on NIRS IVUS Findings  
Presetting Author: Adnan Kassier

9:15 AM  TCT 1499: 3 D OCT guided Culotte intervention of LAD and D 1 bifurcation : Step by step  
Presetting Author: Ganesan Nambirajan

9:15 AM  TCT 1500: OCT guided exclusion of expanding multiple coronary aneurysms induced by biosorbable scaffolds  
Presetting Author: Giuseppe Calligaris

9:15 AM  TCT 1501: The antegrade dissection and re entry technique followed by intravascular ultrasound guided re wiring using New IVUS guided method for a LAD CTO case.  
Presetting Author: Asif Uddin

9:15 AM  TCT 1502: A Case of Multivessel Recanalization of Organized thrombus  
Presetting Author: Hwa Jung Kim

9:15 AM  TCT 1503: OCT Guided PCI of Left Main Coronary Artery Stenting in Acute Coronary Syndrome  
Presetting Author: Jeethender kumar kala

9:15 AM  TCT 1504: Zero Contrast Minimal Contrast Image Guided PCI  
Presetting Author: KARTHIK VASUDEVAN

9:15 AM  TCT 1505: Instant neoatherosclerotic dissection versus geographic miss with dissection: need for multimodal imaging  
Presetting Author: Maya Safarova

9:15 AM  TCT 1506: MILKING THROUGH THE STENT  
Presetting Author: roopali reddy dandu

9:15 AM  TCT 1507: An unstable angina case caused by coronary spasm not noticed without intravascular ultrasound finding  
Presetting Author: Takamichi Takahashi

9:15 AM  TCT 1508: Low post PCI FFR values: a Trigger for Trouble  
Presetting Author: Tara Neelamsh

9:15 AM  TCT 1509: Stent underexpansion in angiography guided percutaneous coronary intervention in patient with ST elevational myocardial infarction corrected later by IVUS guided PCI  
Presetting Author: Timea szigethi.timea14@gmail.com

9:15 AM  TCT 1510: Seeing the Unseen  Intra Coronary Imaging  
Presetting Author: Vimalraj Bogana Shamugam

9:15 AM  TCT 1511: LAD and D1 Bifurcation How to treat  
Presetting Author: Yongbai Luo

9:15 AM  TCT 1512: Blunt Chest Trauma Presenting with Acute Coronary Event  
Presetting Author: Arif Albulushi

9:15 AM - 10:45 AM  Coronary XIV
Discusssant: Yuebo Liu, Massimo Mancone, Lampros Michalis, Michael Mooney, Graham Nichol, Eugenia Nikolsky, Manotosh Panja, Amit N. Patel, Jiancheng Xiu, Yuejin Yang, Azfar G. Zaman, Chris Zambikides, Feng Zhang

9:15 AM  TCT 1490: Transcatheter recanalization of Popliteal ATA and PTA  
Presetting Author: Farhat Fouadavand

9:15 AM  TCT 1491: Endovascular therapy for iliac arteries via Distal Radial Artery in Hemodialysis Patient  
Presetting Author: satoru takaesu

9:15 AM  TCT 1492: A rare case of acute idiopathic axillary artery occlusion  
Presetting Author: Sreekala Padmanabhan

9:15 AM  TCT 1493: High Output Cardiac Failure Resulting from Renal Artery Stenosis Related to an Aortic Endoluminal Graft  
Presetting Author: Srilekha Sridhara

Presetting Author: Gustavo Carvalho

9:15 AM  TCT 1495: Stroke due to paradoxical emboli from pulmonary arteriovenous malformation  
Presetting Author: Ki Buom Lee

9:15 AM  TCT 1496: My most challenging case  
Presetting Author: Mark Abelson

Presetting Author: Nikita Litvinyyuk

9:15 AM - 10:45 AM  Structural IX
Discusssant: Amr E. Abbas, Ramesh Adiraju, Carla Agatiello, Matthias Götberg, Simon Cheung-chi Lam, Michael J. Mullen, Vivian G. Ng, Brad Oldemeyer, Ali Oto, Jorge Palazuelos, Vincent J. Pompili, Vivek Rajagopal, Zoltan G. Turi

9:15 AM  TCT 1498: A Case of Spontaneous Coronary Artery Dissection Managed Based on NIRS IVUS Findings  
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9:15 AM  TCT 1505: Instant neoatherosclerotic dissection versus geographic miss with dissection: need for multimodal imaging  
Presetting Author: Maya Safarova

9:15 AM  TCT 1506: MILKING THROUGH THE STENT  
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Presetting Author: Takamichi Takahashi

9:15 AM  TCT 1508: Low post PCI FFR values: a Trigger for Trouble  
Presetting Author: Tara Neelamsh

9:15 AM  TCT 1509: Stent underexpansion in angiography guided percutaneous coronary intervention in patient with ST elevational myocardial infarction corrected later by IVUS guided PCI  
Presetting Author: Timea szigethi.timea14@gmail.com

9:15 AM  TCT 1510: Seeing the Unseen  Intra Coronary Imaging  
Presetting Author: Vimalraj Bogana Shamugam

9:15 AM  TCT 1511: LAD and D1 Bifurcation How to treat  
Presetting Author: Yongbai Luo

9:15 AM  TCT 1512: Blunt Chest Trauma Presenting with Acute Coronary Event  
Presetting Author: Arif Albulushi
TCT 1518: A Case Series of Late Valve Migration after Transcatheter Aortic Valve Implantation
Presenting Author: Eric Cantey

TCT 1519: MitraClip XTR embolization and retrieval - Gripper Line Failure
Presenting Author: Christoph A. Nienaber

TCT 1520: Out of the frying pan avoiding the fire: A ViV procedure resulting in a VSD
Presenting Author: Isam D. Moussa

TCT 1521: when a simple interventional procedure turns into a nightmare
Presenting Author: Martine Gilard

TCT 1522: Slip N Slide: Valve Embolization During Valve in Valve Transcatheter Aortic Valve Replacement
Presenting Author: Sreenivasan Ananthanarayanan

TCT 1523: Left Main Coronary Artery Occlusion during TAVR with Evolut R due to Skirt Obstruction of Sinus after Successful Left BASILICA
Presenting Author: Reginald I. Low

TCT 1524: An Infolded EvolutTM: Unexpected Complication of Bicuspid Valve TAVR
Presenting Author: Marc Osten

TCT 1525: Percutaneous transcatheter closure of iatrogenic aortic right atrial fistula using the Amplatzer duct occluder
Presenting Author: Pranav Loyalka

TCT 1526: Percutaneous closure of a post TAVR Aorta RV fistula
Presenting Author: Reginald I. Low

TCT 1527: Aortic para valvular leak repair Can TAVR be the answer
Presenting Author: Wun Park

TCT 1528: Percutaneous retrieval of an embolized 27 mm WATCHMAN device from the left ventricle using a combined transseptal and transarterial approach
Presenting Author: John Medamana

TCT 1529: Balloon Rupture Management During Bio prosthetic Aortic Valve Fracture.
Presenting Author: Kamran I. Muhammad

TCT 1530: Successful implantation of MitraClip after cardiac tamponade
Presenting Author: Sayf Altabaqchali

TCT 1531: MitraClip XTR embolization and retrieval - Gripper Line Failure
Presenting Author: Christoph A. Nienaber

TCT 1532: Removal of Leadless pacemaker using double snare catheters
Presenting Author: Tadashi YAMAMOTO

TCT 1533: Ruptured sinus of valsalva complicating transcatheter aortic valve replacement - Lessons and practical considerations for percutaneous closure.
Presenting Author: Sanjiv Arora

TCT 1534: Percutaneous VA ECMO supported Transcatheter Valve in Valve implantation for Severe Bioprosthetic Pulmonic Valve Dysfunction
Presenting Author: aakash garg

TCT 1535: A Rare Case of Carcinoid Heart Disease with Multi valvular Involvement Solved With Transcatheter Therapy
Presenting Author: Kimberly Atianzar

TCT 1536: Successful coil embolization of a large RCA coronary sinus fistula causing coronary steal and a significant left to right shunt
Presenting Author: Akanksha Thakkar

TCT 1537: Large LVOT pseudoaneurysm closed percutaneously from novel apical approach
Presenting Author: Andrew Chatfield

TCT 1538: Percutaneous Closure of an Apical Pseudoaneurysm with an Amplatzer VSD Occluder via Retrograde Approach
Presenting Author: Brett Wanamaker

Presenting Author: Edgar Stroppa Lamas

TCT 1540: Percutaneous Management Of Large LAD to PA Coronary Fistula
Presenting Author: Fawad Virk

TCT 1541: Coiling of LAD fistula
Presenting Author: Leong Lee

TCT 1542: Open Pulmonary Artery Narrowing with Trans Catheter Pulmonic Valve Replacement for Severe Symptomatic Pulmonic Regurgitation in High Risk Patient
Presenting Author: Gerald Colern

TCT 1543: Coronary Compression Limiting Options for TPVR
Presenting Author: Grant Henderson

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
Presenting Author: Hadi Mahmaljy

TCT 1545: A Giant Steal Single Coronary Artery with Coronary Cameral Fistula: Successful device closure
Presenting Author: Harsha Perla

TCT 1546: Bifurcation stenting in unexpected places in pulmonary vein stenting know your POT
Presenting Author: Ioannis Iakovou

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

TCT 1548: RESCUE PCI
Presenting Author: Thato Mabote
TCT 1551: PERCUTANEOUS CLOSURE OF INFUNDIBULAR VENTRICULAR SEPTAL DEFECT WITH A PDA OCCLUDER DEVICE IN AN ADULT WOMAN
Presenting Author: JORGE DANIEL HERNANDEZ GUZMAN

TCT 1554: Manual implantation through surgical access of a percutaneous VSD occluder device in a post AMI VSD.
Presenting Author: Luis Ortega

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

TCT 1556: Intentional aortic bioprosthetic valve fracture to eliminate large paravalvular gaps with severe aortic regurgitation
Presenting Author: Likhitheesh Jaikumar

TCT 1557: Nature Decides SurvivalPrimary PCI in CCTGA at 76 yearsWorlds oldest patient
Presenting Author: Milan Chag

TCT 1558: Complication of pulmonary valve in valve Procedure in a patient with tetralogy of fallot
Presenting Author: Muhammad Yasin

TCT 1559: Post Myocardial Infarction Ventricular Septal Rupture Closure by Amplatzer VSD Device
Presenting Author: Navreet Singh

TCT 1560: Percutaneous closure of apical VSD after failed surgical procedure
Presenting Author: Pablo Antileo

TCT 1561: A Rare Case of Coronary Artery Anomalies
Presenting Author: Ripa Patel

TCT 1562: FUNCTIONAL EVALUATION OF THE CLOSURE OF PULMONARY CORONARY FISTULA
Presenting Author: Rodrigo Monsalve Leyton

TCT 1563: When a Balloon buys more time
Presenting Author: Subash Chandhar
TCT 1578: Complicated by the hemorrhagic and cardiogenic shock
ECMO supported CHIP PCI of the severe LM stenosis in the patient with the severe AS before TAVR
Presenting Author: Mariusz Zadura

2:00 PM
TCT 1579: Impella assisted percutaneous coronary intervention using rotational atherectomy with minimal contrast after balloon aortic valvuloplasty in a patient with severe aortic stenosis and chronic kidney disease
Presenting Author: Masaru Kuroda

2:00 PM
TCT 1580: A challenging CTO case with a forgotten complication
Presenting Author: mohamed Abo Bakr Elbouamy

2:00 PM
TCT 1581: Take the risk or lose the chance A very critical distal LM Bifurcational PCI
Presenting Author: Moheb Wadie

2:00 PM
TCT 1582: FUNCTIONAL ASSESSMENT OF SEQUENTIAL CORONARY ARTERY FISTULA AND CORONARY ARTERY STENOSIS WITH INSTANTANEOUS WAVE FREE RATIO IFR
Presenting Author: Muhammad Siddiqui

2:00 PM
TCT 1583: The art of retrograde approach in chronic total occlusion: Externalisation to facilitate our difficulties
Presenting Author: NAY THU WIN

2:00 PM
TCT 1584: Intra Coronary Rotaglide Injection To Facilitate Passage Of Rotafloppy Wire Across An Uncrossable Severely Calcified Lesion.
Presenting Author: Nirmal Kaur

2:00 PM
TCT 1585: Kiss kiss and kiss its healthy
Presenting Author: Osama Shoeib

2:00 PM
TCT 1586: Emergency Shockwave assisted PCI to underexpanded left main stem stents in Acute MI
Presenting Author: Arvindra Krishnamurthy

2:00 PM
TCT 1590: Left Main Bifurcation Stenting by DK Crush technique
Presenting Author: Preeti Sharma

2:00 PM
TCT 1591: COMPLEX HIGH RISK PTCA FROM LM OSTIUM TO DISTAL LAD IN CLIFIED ARTERY USING BUDDY WIRE TECHNIQUE
Presenting Author: RAGHAV SHARMA

2:00 PM
TCT 1592: I had a crush kissed but still its not a love story
Presenting Author: RAHMAOLLAH ASIF

2:00 PM
TCT 1593: Complex Retrograde RCA CTO PCI
Presenting Author: Raj Chandwaneey

2:00 PM - 3:30 PM
Coronary XXVII
Discussant: Amr E. Abbas, Ramesh Adiraju, Nickolas Nodor Kipshidze, Nick Lakkis, Hung Q. Ly, Sandeep Nathan, Marin Postu, Michael P. Savage, Sayan Sen

2:00 PM
TCT 1594: Just a mess

2:00 PM
TCT 1595: When shorter is better....A novel technique for shorteninga guide catheter without losing guidewire position
Presenting Author: René Hameau Davanzo

2:00 PM
TCT 1596: Line em up A comprehensive heart team approach to multiple severe vascular conditions
Presenting Author: Rohan Mehta

2:00 PM
TCT 1597: Going in the opposite way is not always bad
Presenting Author: Rosa Alba Abellas-Sequeiros

2:00 PM
TCT 1598: THROMBUS OR DISSECTION:WHICH IS THE WORST ENEMY
Presenting Author: Shekhar bhise

2:00 PM
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 PM
TCT 1600: Chornic 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 PM
TCT 1601: Severely Resistant Lesion of Right Coronary Artery Menaged with High Pressure Balloon
Presenting Author: Sasa Loncar

2:00 PM
TCT 1602: Making the impossible possible Appropriate use od hybrid techniques
Presenting Author: SATNAM SINGH

2:00 PM
TCT 1603: Primary revascularization of occluded saphenous vein graft to detect anastomosis with IVUS guidance for treatment of Long RCA CTO lesion
Presenting Author: SEIJI KANO

2:00 PM
TCT 1604: How to manage an unusual complication after primary percutaneous intervention
Presenting Author: Marouane Boukhris

2:00 PM
TCT 1605: An Odd Exit: Story of a LM Bifurcational PCI
Presenting Author: Md Minhaj Arefin

2:00 PM
TCT 1606: Stuck in a Crossroad
Presenting Author: Michael Chiang

2:00 PM
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 PM
TCT 1608: OCT Saved The Day A Complication never reported before
Presenting Author: Milan Chag

2:00 PM - 3:30 PM
Coronary XXVIII
Discussant: Zening Jin, Xuebo Liu, Massimo Mancone, Samuel K. Mathew, Toshiya Muramatsu, Ganesan Nambirajan, Eugenia Nikolsky, Husam Noor, Andrzej J. Ochala, Manotosh Panja

2:00 PM
TCT 1609: Stuck IVUS causing damage to the stent on pullback.
Presenting Author: Mohit Sharma

2:00 PM
TCT 1610: DISLODGETMENTSTRUCK TWICE
TCT 1612: Coronary perforation complicated with balloon shaft rupture  
Presenting Author: ERTUGRUL OKUYAN

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 new generation thin strut covered stents.  
Presenting Author: Sophie Degraewe

TCT 1614: A balloon a day takes a day a non deflation night mare  
Presenting Author: SUHAIL MUHAMMED

TCT 1615: Stuck Intracoronary balloon catheter with broken shaft Nightmare in Cathlab  
Presenting Author: SUNIL KUMAR SRINIVAS

TCT 1616: Unintentional coronary stent extraction postdeployment due to wire trapping  
Presenting Author: SUNIL KUMAR SRINIVAS

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

TCT 1619: I PREFER NIGHTMARE OVER CORONARY ARTERY PERFORATION  
Presenting Author: TUNAGGINA AFRIN KHAN

TCT 1620: A kinky problem  
Presenting Author: Usha Rao

TCT 1621: IATROGENIC DOUBLE HELIX IN ACUTE MI BLURRING TO BLIND  
Presenting Author: vijaychaitanya borra

TCT 1622: Coronary perforation  
Presenting Author: Vikash Goyal

TCT 1623: Subtle but not too subtle: Role of Intracoronary Imaging in Coronary Dissection  
Presenting Author: Wasiq Zaidi

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

TCT 1625: High Risk Transcatheter Pulmonic Valve Replacement of a Stenosed Conduit in a Hypercoagulable Patient  
Presenting Author: Marc Gerdisch

TCT 1626: 1 Year Follow up Interruption Of Coronary venous Fistula With Stent Implantation In The Coronary Sinus  
Presenting Author: Sergey P. Semitko

TCT 1627: Percutaneous intervention in LEVOATRIAL CARDINAL VEIN A rare Cause of right sided overload  
Presenting Author: shah zeb
TCT 1644: Transcatheter heart valve performed in patient with severe calcific aortic stenosis with mild aortic regurgitation
Presenting Author: SHAUDEEN k

TCT 1645: Valve in valve Transcatheter Aortic Valve Replacement in a patient with late failure of Bentall procedure
Presenting Author: Simone Budassi

TCT 1646: First Transfemoral Implantation of a JenaValveTM for severe aortic regurgitation in a failing autograft 12 years after Ross operation
Presenting Author: Stefan Fichtlscherer

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
Presenting Author: Stephen Dorman

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: Tomao Fujioka

TCT 1652: Fortune favours the bold
Presenting Author: Vladimir Rubimbura

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 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: YUSUKE TOKUDA

Coronary XXX
Discussant: Robert J. Applegate, Stefan C. Bertog, Quang T. Bui, Marvin H. Eng, Francisco Fernandez-Aviles

TCT 1657: Peri procedural mechanical circulatory support

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: Dimitris Dampasis

TCT 1661: Perfectionism a double edged sword
Presenting Author: YEE SIN TEY

TCT 1662: Stuck In a Tight SpotThe Entrapment of an InflatedBalloon in theLeft Main after VIVTAVR.Saved By IABP and RescueLeft MainStenting.
Presenting Author: ABDEL RAHMANOMER

TCT 1664: IABP support in anterior STEMI with cardiogenic shock bilateral PEs and multifocal pneumonia.
Presenting Author: Bryce Rhodeshouse

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 interventionists nightmare: Intra aortic balloon pump IABP saved the day
Presenting Author: Siddhartha Mengi

TCT 1667: Auxiliary intra aortic balloon counterpulsation for severe ischemic mitral regurgitation and cardiogenic shock
Presenting Author: Klio Konstantinou

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: Elise Anderson

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
2:00 pm - 3:30 pm

**Coronary XXIX**

Discussant: Joanna Chikwe, Giovanni Esposito, Anton Farkas, Khalil Fattouch, Jason Foerst, Paul Gurbel, Jonathan M. Hill, Vijay Iyer, Katherine Kearney, Nish Patel

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**TCT 1668: Mechanical Circulatory Support in High Risk Acute Coronary Syndrome Associated with Ventricular Arrhythmia**
Presenting Author: Lina Ya'qoub

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**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

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**TCT 1672: Biventricular Percutaneous Support With Biventricular Impella Support in a Patient With Profound Cardiogenic Shock**
Presenting Author: Rudin Gjeka

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**TCT 1673: Successful use of ImpellaCP through femoral access in a patient with bilateral iliac and aortic endoprosthesis in the setting of cardiogenic shock**
Presenting Author: Luis Dallan

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**TCT 1671: Impella Support in Transgender Patient Receiving Hormone Replacement Therapy Presenting with STEMI and Cardiogenic Shock.**
Presenting Author: Iliana Samara Hurtado Rendon

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**TCT 1675: Cardiogenic Shock Complicated by Diffuse Alveolar Hemorrhage DAH: Simultaneous use of an Impella CP and Venous VV Extracorporeal Membrane Oxygenation ECMO in a Case of ST Elevation Myocardial Infarction STEMI requiring tissue Plasminogen Activator tPA**
Presenting Author: Peter Avvento

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**TCT 1676: Hemodynamic Support or Not: High risk PCI in STEMI and Cardiogenic Shock Presenting with Cardiac Arrest**
Presenting Author: Jian Liang Tan

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**TCT 1677: Percutaneous Auxiliary Access for Mechanical Circulatory Support in Complex Higher Risk Indicated Procedures CHIP**
Presenting Author: Luai Tabaza

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**TCT 1678: HAPPY HAIL MARY. CHIP: Alternative Access in Surgical Turndown**
Presenting Author: François Simon

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**TCT 1681: Impella supported Left Main PCI in a Patient with RCA CTO**
Presenting Author: Michael Megaly

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**TCT 1685: Bi ventricular support with oxygenator as alternative to VA ECMO in cases refractory cardiopulmonary failure**
Presenting Author: Francesca Ristalli

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THE IMPACT OF DESIGN ON CORONARY GUIDEWIRE PERFORMANCE: A HANDS-ON EXPERIENCE

The Impact of Design on Coronary Guidewire Performance: A Hands-On Experience

Coronary: CHIP|Coronary: Core

- SATURDAY, SEPTEMBER 28, 2019
  - 8:00 am - 9:30 am
  - Abbott Pavilion
8:00 AM - 9:30 AM
The Impact of Design on Coronary Guidewire Performance: A Hands-On Experience
Training Pavilion Faculty: Emmanouil S. Brilakis, Andrea Gagnor, Elliott Michael Groves, Robert F. Riley, Jason Wollmuth, Willis Wu

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

12:00 PM - 12:20 PM
OCT: Now That I See It — Presentation

12:20 PM - 1:30 PM
Hands-On Sessions

12:20 PM
Virtual Reality: Interactive OCT Session
12:20 PM
OCT Workstation: Measurements Assessments and Procedure Planning
12:20 PM
Image Acquisition With a Wet Model Practice

LARGE-BORE ACCESS TO CLOSE: WHAT YOU WANT (AND NEED) TO KNOW

Structural: ValveVascular

SATURDAY, SEPTEMBER 28, 2019
10:00 AM - 11:30 AM
Abbott Pavilion

10:00 AM - 10:20 AM
Introduction: Access Planning and Management of Complications Review
Training Pavilion Faculty: Adhir Shroff, Rajeev Tayal

10:20 AM - 11:30 AM
Hands-On Device Deployment
Training Pavilion Faculty: Adhir Shroff, Rajeev Tayal

SATURDAY, SEPTEMBER 28, 2019
2:00 PM - 3:30 PM
Abbott Pavilion

2:00 PM - 2:20 PM
Introduction: Access Planning and Management of Complications Review
Training Pavilion Faculty: Adhir Shroff, Rajeev Tayal

2:20 PM - 3:30 PM
Hands-On Device Deployment
Training Pavilion Faculty: Adhir Shroff, Rajeev Tayal

NOW THAT I SEE IT, I KNOW HOW TO TREAT IT!: A HANDS-ON OCT SKILLS LAB

Coronary: Core

SATURDAY, SEPTEMBER 28, 2019
12:00 PM - 1:30 PM
Abbott Pavilion

PHYSIOLOGY SIMPLIFIED: A HANDS-ON RFR SKILLS LAB

Coronary: Core

SATURDAY, SEPTEMBER 28, 2019
4:00 PM - 5:30 PM
Abbott Pavilion
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

SATURDAY, SEPTEMBER 28, 2019
8:00 AM - 9:30 AM
Boston Scientific Pavilion

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: Yiannis S. Chatzizisis, 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

Complex Lesion Algorithmic Approach: Proven Devices and New Applications

SATURDAY, SEPTEMBER 28, 2019
10:00 AM - 11:30 AM
Boston Scientific Pavilion

10:00 AM - 11:30 AM
Complex Lesion Algorithmic Approach: Proven Devices and New Applications

PROTECTED TAVR: AN INTERACTIVE EXPERIENCE WITH SENTINEL CEREBRAL PROTECTION SYSTEM

Protected TAVR: An Interactive Experience with Sentinel Cerebral Protection System

SATURDAY, SEPTEMBER 28, 2019
12:00 PM - 1:30 PM
Boston Scientific Pavilion

12:00 PM - 1:30 PM
Protected TAVR: An Interactive Experience with Sentinel Cerebral Protection System
Training Pavilion Faculty: Vijay Iyer, Tamim M. Nazif

12:00 PM  Introduction
12:05 PM  ProductData Overview and Case Reviews
12:35 PM  Hands On Rotations

ONYX ONE AND THE HIGH BLEEDING RISK PATIENT: REAL-WORLD CASE REVIEWS AND DISCUSSION

Onyx ONE and the High Bleeding Risk Patient: Real-World Case Reviews and Discussion

SATURDAY, SEPTEMBER 28, 2019
8:00 AM - 9:30 AM
Medtronic Pavilion

8:00 AM - 9:30 AM
Onyx ONE and the High Bleeding Risk Patient: Real-World Case Reviews and Discussion
Training Pavilion Faculty: Aloke Finn, Elvin Kedhi, Daniel I. Simon, Stephan Windecker
BIFURCATION PCI: A STEP-BY-STEP TRAINING APPROACH (VISIBLE HEART)

SATURDAY, SEPTEMBER 28, 2019
10:00 AM - 11:30 AM
Medtronic Pavilion

10:00 AM
Introduction
10:05 AM
Bifurcation Techniques with Integrated Visible Heart Laboratories Footage
10:45 AM
Hands On Simulation

LOW-RISK TAVR: CASE SELECTION AND LIFETIME TREATMENT PATHWAY CONSIDERATIONS

SATURDAY, SEPTEMBER 28, 2019
12:00 PM - 1:30 PM
Medtronic Pavilion

12:00 PM
Introduction
12:05 PM
Low Risk Data Review
12:15 PM
Low Risk Patient Selection and Treatment Pathways: Considerations and Shared Decision Making
12:45 PM
Interactive Discussion on Patient Scenarios

HOW THINGS WORK: THE SCIENCE OF RDN

SATURDAY, SEPTEMBER 28, 2019
2:00 PM - 3:30 PM
Medtronic Pavilion

2:00 PM
Session Objectives
2:05 PM
Preclinical Evidence About Renal Denervations Mechanism of Action
2:25 PM
Renal Denervation Response and Affecting Factors: What About Isolated Systolic Hypertension
2:45 PM
Mechanisms of Radiofrequency Ablation and the Truth About the Ablation Depth
3:05 PM
Radiofrequency Ablation for Renal Denervation

Tips, Tools, and Techniques for Successful Post-TAVR PCI

SATURDAY, SEPTEMBER 28, 2019
4:00 PM - 5:30 PM
Medtronic Pavilion

4:00 PM
Introduction to Post TAVR PCI
4:15 PM
Cases With Common Access Challenges
4:35 PM
Simulation Demo
INTERVENTIONAL TREATMENT OF CARDIogenic SHOCK: HANDS-ON TRAINING WITH IMPELLA, PROTEK DUO, AND ECLS SYSTEMS

Interventional Treatment of Cardiogenic Shock: Hands-on Training with Impella, Protek DUO, and ECLS Systems

Coronary: CHIP

SATURDAY, SEPTEMBER 28, 2019
8:00 AM - 9:30 AM
CRF Pavilion 1

8:00 AM - 9:30 AM
Interventional Treatment of Cardiogenic Shock: Hands-on Training with Impella, Protek DUO, and ECLS Systems (Session I)
Training Pavilion Faculty: David A. Baran, Mir Babar Basir, Arthur Garan, Maximilian Halbe, Perwaiz M. Meraj, L. Christian Napp, Luca Vincentini

8:00 AM  Session I: Overview
8:00 AM  Overview
Training Pavilion Faculty: Arthur Garan

8:10 AM  Session II: Rotations
   Rotation: Bedside Cannulation and Initiation of ECMO Support
   Training Pavilion Faculty: Maximilian Halbe
   8:10 AM Rotation 1
   8:30 AM Rotation 2
   8:50 AM Rotation 3
   9:10 AM Rotation 4

   Rotation: Hands On Training with Impella Device Insertion and Operation
   Training Pavilion Faculty: L. Christian Napp Luca Vincentini
   8:10 AM Rotation 1
   8:30 AM Rotation 2
   8:50 AM Rotation 3
   9:10 AM Rotation 4

   Rotation: Hands On Training With LivaNova ECLS Equipment
   Training Pavilion Faculty: Mir Babar Basir
   8:10 AM Rotation 1
   8:30 AM Rotation 2
   8:50 AM Rotation 3
   9:10 AM Rotation 4

   Rotation: Hands On Training With the Protek Duo Cannula Insertion and Pump for Right Heart Support
   Training Pavilion Faculty: David A. Baran
   8:10 AM Rotation 1
   8:30 AM Rotation 2
   8:50 AM Rotation 3
   9:10 AM Rotation 4

   Rotation: Hands On Training With the CardioHelp Device
   Training Pavilion Faculty: Perwaiz M. Meraj
   8:10 AM Rotation 1
   8:30 AM Rotation 2
   8:50 AM Rotation 3
   9:10 AM Rotation 4

   Rotation: Understanding the Hemodynamics of MCS: Harvi Simulator
   Training Pavilion Faculty: Arthur Garan
   8:10 AM Rotation 1
   8:30 AM Rotation 2
   8:50 AM Rotation 3
   9:10 AM Rotation 4

Interventional Treatment of Cardiogenic Shock: Hands-on Training with Impella, Protek DUO, and ECLS Systems
Coronary: CHIP

SATURDAY, SEPTEMBER 28, 2019
10:00 AM - 11:30 AM
CRF Pavilion 1

10:00 AM - 11:30 AM
Interventional Treatment of Cardiogenic Shock: Hands-on Training with Impella, Protek DUO, and ECLS Systems (Session II)
Session I: Overview
Training Pavilion Faculty: William W. O'Neill

10:10 AM Session II: Rotations

Rotation: Bedside Cannulation and Initiation of ECMO Support
Training Pavilion Faculty: Maximilian Halbe Francesco Maisano
10:10 AM Rotation 1
10:30 AM Rotation 2
10:50 AM Rotation 3
11:10 AM Rotation 4

Rotation: Hands On Training with Impella Device Insertion and Operation
Training Pavilion Faculty: Arthur Garan
10:10 AM Rotation 1
10:30 AM Rotation 2
10:50 AM Rotation 3
11:10 AM Rotation 4

Rotation: Hands On Training With LivaNova ECLS Equipment
Training Pavilion Faculty: David A. Baran
10:10 AM Rotation 1
10:30 AM Rotation 2
10:50 AM Rotation 3
11:10 AM Rotation 4

Rotation: Hands On Training With the Protek Duo Cannula Insertion and Pump for Right Heart Support
Training Pavilion Faculty: Colin Hirst
10:10 AM Rotation 1
10:30 AM Rotation 2
10:50 AM Rotation 3
11:10 AM Rotation 4

Rotation: Hands On Training With the CardioHelp Device
Training Pavilion Faculty: Amir Kaki
10:10 AM Rotation 1
10:30 AM Rotation 2
10:50 AM Rotation 3
11:10 AM Rotation 4

Rotation: Understanding the Hemodynamics of MCS: Harvi Simulator
Training Pavilion Faculty: Dennis Lynn Morris
10:10 AM Rotation 1
10:30 AM Rotation 2
10:50 AM Rotation 3
11:10 AM Rotation 4

Interventional Treatment of Cardiogenic Shock: Hands-on Training with Impella, Protek DUO, and ECLS Systems
Coronary: CHIP

2:00 PM Session I: Overview
2:00 PM Overview
Training Pavilion Faculty: Navin K. Kapur

2:10 PM Session II: Rotations

Rotation: Bedside Cannulation and Initiation of ECMO Support
Training Pavilion Faculty: Maximilian Halbe
2:10 PM Rotation 1
2:30 PM Rotation 2
2:50 PM Rotation 3
3:10 PM Rotation 4

Rotation: Hands On Training with Impella Device Insertion and Operation
Training Pavilion Faculty: Sanjog Kalra
2:10 PM Rotation 1
2:30 PM Rotation 2
2:50 PM Rotation 3
3:10 PM Rotation 4
Interventional Treatment of Cardiogenic Shock: Hands-on Training with Impella, Protek DUO, and ECLS Systems (Session IV)
Training Pavilion Faculty: Arthur Garan, Maximilian Halbe, Colin Hirst, Sanjog Kalra, Francesco Maisano, Dennis Lynn Morris, L. Christian Napp, Luca Vincentini

4:00 PM | Session I: Overview
Overview
Training Pavilion Faculty: Arthur Garan

4:10 PM | Session II: Rotations
Rotation: Bedside Cannulation and Initiation of ECMO Support
Training Pavilion Faculty: Maximilian Halbe Francesco Maisano
4:10 PM | Rotation 1
4:30 PM | Rotation 2
4:50 PM | Rotation 3
5:10 PM | Rotation 4

Rotation: Hands On Training with Impella Device Insertion and Operation
Training Pavilion Faculty: Sanjog Kalra
4:10 PM | Rotation 1
4:30 PM | Rotation 2
4:50 PM | Rotation 3
5:10 PM | Rotation 4

Rotation: Hands On Training With LivaNova ECLS Equipment
Training Pavilion Faculty: Colin Hirst
4:10 PM | Rotation 1
4:30 PM | Rotation 2
4:50 PM | Rotation 3
5:10 PM | Rotation 4

Rotation: Hands On Training With the Protek Duo Cannula Insertion and Pump for Right Heart Support
Training Pavilion Faculty: Arthur Garan
4:10 PM | Rotation 1
4:30 PM | Rotation 2
4:50 PM | Rotation 3
5:10 PM | Rotation 4

Interventional Treatment of Cardiogenic Shock: Hands-on Training with Impella, Protek DUO, and ECLS Systems

Coronary: CHIP

SATURDAY, SEPTEMBER 28, 2019
4:00 PM - 5:30 PM
CRF Pavilion 1
Rotation: Hands On Training With the CardioHelp Device
Training Pavilion Faculty: L. Christian Napp
4:10 PM  Rotation 1
4:30 PM  Rotation 2
4:50 PM  Rotation 3
5:10 PM  Rotation 4

Rotation: Understanding the Hemodynamics of MCS: Harvi Simulator
Training Pavilion Faculty: Dennis Lynn Morris
4:10 PM  Rotation 1
4:30 PM  Rotation 2
4:50 PM  Rotation 3
5:10 PM  Rotation 4

Rotation: Definitive Treatment Options and Debulking Featuring BSC
Training Pavilion Faculty: George S. Chrysant Beau Hawkins S. Jay Mathews
8:10 AM  Rotation 1
8:30 AM  Rotation 2
8:50 AM  Rotation 3
9:10 AM  Rotation 4

Rotation: Definitive Treatment Options Debulking and Complex Lesions Featuring Medtronic
Training Pavilion Faculty: S. Hinan Ahmed Carlos I. Mena-Hurtado Peter P. Monteleone
8:10 AM  Rotation 1
8:30 AM  Rotation 2
8:50 AM  Rotation 3
9:10 AM  Rotation 4

Rotation: Shockwave Four 20 Minute Rotations
Training Pavilion Faculty: Lawrence A. Garcia Jon C. George Sahil A. Parikh
8:10 AM  Rotation 1
8:30 AM  Rotation 2
8:50 AM  Rotation 3
9:10 AM  Rotation 4

COMPLEX LESION MANAGEMENT IN SFA INTERVENTION

Complex Lesion Management in SFA Intervention

Vascular

SATURDAY, SEPTEMBER 28, 2019
8:00 AM - 9:30 AM
CRF Pavilion 2

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
Training Pavilion Faculty: Sahil A. Parikh

8:10 AM  Session II: Rotations Four 20 Minute Rotations

Rotation: Definitive Treatment Options Featuring Abbott
Training Pavilion Faculty: Eric J. Dippel Craig M. Walker Ramzan M. Zakir
8:10 AM  Rotation 1
8:30 AM  Rotation 2
8:50 AM  Rotation 3
9:10 AM  Rotation 4

SATURDAY, SEPTEMBER 28, 2019
10:00 AM - 11:30 AM
CRF Pavilion 2

10:00 AM - 11:30 AM
SFA Intervention: De-Bulking, Complex Lesions, and Definitive Therapy (Session II)

10:00 AM  Session I: Introduction
10:00 AM  Introduction: Introducing Unmet Needs Complex Lesions Definitive Treatment Options and Debulking Training Pavilion Faculty: Ehrin J. Armstrong

10:10 AM  Session II: Rotations

Rotation: Definitive Treatment Options Featuring Abbott Four 20 Minute Rotations
Training Pavilion Faculty: Eric J. Dippel Vishal Kapur
10:10 AM  Rotation 1
10:30 AM  Rotation 2
10:50 AM  Rotation 3
11:10 AM  Rotation 4

Rotation: Definitive Treatment Options and Debulking Featuring BSC Four 20 Minute Rotations
Training Pavilion Faculty: Mohammad Mehdi Ansari Beau Hawkins S. Jay Mathews
10:10 AM  Rotation 1
10:30 AM  Rotation 2
10:50 AM  Rotation 3
11:10 AM  Rotation 4

Rotation: Definitive Treatment Options Debulking and Complex Lesions Featuring Medtronic Four 20 Minute Rotations
Training Pavilion Faculty: Lawrence A. Garcia Peter P. Monteleone John Winscott
10:10 AM  Rotation 1
10:30 AM  Rotation 2
10:50 AM  Rotation 3
11:10 AM  Rotation 4

Rotation: Shockwave Four 20 Minute Rotations
Training Pavilion Faculty: Ehrin J. Armstrong Lawrence A. Garcia Jon C. George
10:10 AM  Rotation 1
10:30 AM  Rotation 2
10:50 AM  Rotation 3
11:10 AM  Rotation 4

2:00 PM - 3:30 PM  Tips and Tricks for CHIP/Complex PCI Session I
Training Pavilion Faculty: Dimitrios Bilagos, Ronald Caputo, Jon C. 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
Training Pavilion Faculty: Annapoorna Kini
2:12 PM  Roundtable Discussion With Audience QA
2:15 PM  My Top 10 Tips and Tricks for Crossing and Device Delivery
Training Pavilion Faculty: Jon C. George
2:27 PM  Roundtable Discussion With Audience QA
2:30 PM  Novel Forms of Access With Hemodynamic Support
Training Pavilion Faculty: Jason Wollmuth
2:42 PM  Roundtable Discussion With Audience QA
2:45 PM  Hands On Rotations Between Medtronic and Abiomed
2:45 PM  Rotation: Medtronic Inc. Featured Devices: Telescope Radial Guides Bifurcation Videos
Training Pavilion Faculty: Ronald Caputo Jon C. George Raja Hatem
2:45 PM  Rotation: Abiomed Featured Devices and Access
Training Pavilion Faculty: Dimitrios Bilagos Kintur A. Sanghvi Jason Wollmuth

4:00 PM - 5:30 PM  Tips and Tricks for CHIP/Complex PCI Session II
Training Pavilion Faculty: Dimitrios Bilagos, David Hildick-Smith, Saidur Rahman Khan, Rajeev Talyal, Anu Tunuguntla, Rajesh Vijayvergiya, Jason Wollmuth, Junjie Zhang

4:00 PM  Rapid Fire Case Presentations
4:00 pm  |  My Top 10 Tips and Tricks for Treating Bifurcation Lesions  
Training Pavilion Faculty: David Hildick Smith

4:12 pm  |  Roundtable Discussion With Audience QA

4:15 pm  |  My Top 10 Tips and Tricks for Crossing and Device Delivery  
Training Pavilion Faculty: Dimitrios Bliagos

4:27 pm  |  Roundtable Discussion With Audience QA

4:30 pm  |  Novel Forms of Access With Hemodynamic Support  
Training Pavilion Faculty: Rajeev Tayal

4:42 pm  |  Roundtable Discussion With Audience QA

4:45 pm  |  Hands On Rotations Between Medtronic and Abiomed  
Rotation: Medtronic Inc. Featured Devices: Telescope Radial Guides Bifurcation Videos  
Training Pavilion Faculty: Saidur Rahman Khan Rajesh Vijayvergiya Junjie Zhang

4:45 pm  |  Rotation: Abiomed Featured Devices and Access  
Training Pavilion Faculty: Rajeev Tayal Anu Tunuguntla Jason Wollmuth

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 and a Step-by-Step Hands-On Demonstration/Training Using Models

8:50 am  |  CTO Antegrade Approach Operation Table Terumo  
Training Pavilion Faculty: Pengcheng He, DA YIN

8:50 am  |  Crossboss Stingray Training Table Boston Scientific Corporation  
Training Pavilion Faculty: YU CAO, Bin Nie

CTO MASTERS OPERATOR WORKSHOP @ TCT 2019: PART 2

SATURDAY, SEPTEMBER 28, 2019
10:00 am - 11:30 am  
CRF Pavilion 3

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 and a Step-by-Step Hands-On Demonstration/Training Using Models

10:45 am  |  CTO Operation: Retro Tracking and Crossing Reverse CART Terumo  
Training Pavilion Faculty: Jun Pu, Jie Song

10:45 am  |  CTO Operation Table 2: AGT and Homemade Snare for Retrograde Guidewire Terumo  
Training Pavilion Faculty: ma jianying, Weiming Li

CINCHING THE MITRAL APPARATUS TO TREAT FMR: CARILLON MITRAL CONTOUR SYSTEM HANDS-ON TRAINING

Cinching the Mitral Apparatus to Treat FMR: Carillon Mitral Contour System Hands-On Training  
Structural: Valve
2:00 PM - 2:05 PM
**Introduction**
Training Pavilion Faculty: Steven Goldberg, Klaus Witte

2:05 PM - 2:10 PM
**Cardiac Dimensions’ Mission**
Training Pavilion Faculty: Steven Goldberg, Klaus Witte

2:10 PM - 2:15 PM
**The Carillon Trial: IDE Study Currently Enrolling Sites and Patients**
Training Pavilion Faculty: Steven Goldberg, Klaus Witte

2:15 PM - 2:25 PM
**The Carillon Mitral Contour System**
Training Pavilion Faculty: Steven Goldberg, Klaus Witte

2:25 PM - 2:30 PM
**Breakout Sessions**
Training Pavilion Faculty: Steven Goldberg, Klaus Witte

2:25 PM - 3:25 PM
**Station 1: Dry Model Deployment of the Carillon Mitral Contour System**
**Station 2: Animal Model Deployment of the Carillon Mitral Contour System**
**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, Klaus Witte

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3:30 PM - 4:05 PM
**Cinching the Mitral Apparatus to Treat FMR: Carillon Mitral Contour System Hands-On Training**
Structural: Valve

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5:25 PM - 5:30 PM
**Close and Adjourn**
Training Pavilion Faculty: Steven Goldberg, Klaus Witte

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**BIORESORBABLE SCAFFOLDS - 4**

**Moderated Posters 4**
9:30 AM - 10:30 AM
Moderated Posters 4

9:30 AM - 10:30 AM
**Bioresorbable Scaffolds - 4**
Moderators: Jean-François Tanguay, Discussants: Stefan Verhey, Nick E. J. West

9:30 AM - 10:30 AM
**TCT 182: Peri strut low intensity areas and neointimal response evaluation by serial optical coherence tomography at baseline 1 and 5 years after bioresorbable scaffold implantation in STEMI**
Presenting Author: Dorota Ochijewicz

9:37 AM - 9:40 AM
Discussion

9:40 AM - 10:40 AM
**TCT 183: The Impact of Atherosclerotic Plaque Type on Strut Penetration and Local Hemodynamics in Bioresorbable Scaffolds**
TCT 184: Early Scaffold Disruption and Late Structural Discontinuity after Implantation of the Aptitude Sirolimus Eluting Biodegradable Scaffold in Normal Porcine Coronary Arteries: An OCT Study
Presenting Author: Yanping Cheng
9:47 AM Discussion
9:50 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 Biodegradable 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 to 180 Days Arterial Response To The Ultra High Molecular Weight Amorphous PLLA Sirolimus Eluting Biodegradable Scaffolds in Normal Porcine Coronary Arteries
Presenting Author: Pawel P. Gasior
10:27 AM Discussion

HEMODYNAMIC SUPPORT DURING PCI

Drug-Eluting Stent Studies - 4

SATURDAY, SEPTEMBER 28, 2019
9:30 AM - 10:30 AM
Moderated Posters 8

9:30 AM - 10:30 AM
Drug-Eluting Stent Studies - 4
Moderators: Michael Maeng, Philip M. UrbanDiscussants: Lorenzo Azzalini

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

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

Hemodynamic Support During PCI

SATURDAY, SEPTEMBER 28, 2019
9:30 AM - 10:20 AM
Moderated Posters 7

9:30 AM - 10:20 AM
Hemodynamic Support During PCI
Moderators: Khaldoon F. Alaswad, Thomas D. StuckeyDiscussants: John McB. Hodgson, Michael A. Kucher, Rajeev Narayan, Fayaz Shawl

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-khada
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
Presenting Author: Alexander Samol

10:07 AM Discussion

10:10 AM TCT 322: Outcome in patients undergoing high risk PCI using Impella circulatory support: 10 year experience
Presenting Author: Vincenzo Vetrugno

10:17 AM Discussion

NOVEL AORTIC DEVICES AND APPROACHES

9:30 AM - 10:30 AM Novel Aortic Devices and Approaches
Moderators: Saif Anwaruddin, Piotr P. Buszman
Discussants: Gary Gershony, Georg Lutter

9:30 AM TCT 477: Balloon aortic valvuloplasty: a pilot experience of same day discharge with a transradial approach
Presenting Author: Carlo Tumscitz

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: New Devices
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

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
PRE-CLINICAL MODELS AND STUDIES

PRE-CLINICAL MODELS AND STUDIES

SATURDAY, SEPTEMBER 28, 2019
9:30 AM - 10:30 AM
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, Robert S. Schwartz

9:30 AM TCT 593: Left Ventricular Unloading Preserves Energy Substrate Utilization in Preclinical Models of Acute Myocardial Infarction
Presenting Author: Lija Swain

9:37 AM Discussion

9:40 AM 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

9:47 AM Discussion

9:50 AM TCT 595: Left Ventricular Cardiac Reshaping With Trans myocardial Splints Does not Impair Diastolic Function in Preclinical Studies
Presenting Author: Daisuke Onohara

9:57 AM Discussion

10:00 AM TCT 596: Reducing Left Ventricular Sphericity With a Transventricular Myocardial Splint Improves Systolic Function in a Preclinical Ischemic Cardiomyopathy Model
Presenting Author: Daisuke Onohara

10:07 AM Discussion

10:10 AM 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

10:17 AM Discussion

10:20 AM TCT 598: Tissue Plasminogen Activator tPA labeled Microbubbles for the Treatment of Coronary Microvascular Obstruction
Presenting Author: Stephen D’Auria

10:27 AM Discussion

RENAL DENERVATION

Renal Denervation

SATURDAY, SEPTEMBER 28, 2019
9:30 AM - 10:05 AM
Moderated Posters 3

9:30 AM - 10:05 AM Renal Denervation
Moderators: Dmitriy N. Feldman
Discussants: Ian C. Gilchrist, Richard R. Heuser, Kintur A. Sanghvi, Andrew Sharp, Konstantinos P. Tsiofis

9:30 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

9:37 AM Discussion

9:40 AM TCT 608: Implementation of Bayesian Study Design in the SPYRAL HTN OFF MED Pivotal Trial
Presenting Author: Michael Böhm

9:47 AM Discussion

9:50 AM TCT 84: Renal Denervation With Symplicity Spyral Catheter in the Global Symplicity Registry: Safety and Efficacy at 3 Years
Presenting Author: Michael Böhm

10:00 AM Discussion

VULNERABLE PLAQUES AND HIGH-RISK PATIENTS

Vulnerable Plaques and High-Risk Patients - 2

SATURDAY, SEPTEMBER 28, 2019
9:30 AM - 10:30 AM
Moderated Posters 6

9:30 AM - 10:30 AM Vulnerable Plaques and High-Risk Patients - 2

9:30 AM TCT 82: Tissue Plasminogen Activator tPA labeled Microbubbles for the Treatment of Coronary Microvascular Obstruction
Presenting Author: Stephen D’Auria

9:37 AM Discussion

9:40 AM TCT 83: A Novel Catheter System Reduces Biventricular Filling Pressures While Maintaining Cardiac Output in a Model of Acute Congestive Heart Failure
Presenting Author: Navin K. Kapur

9:47 AM Discussion

10:00 AM TCT 84: Renal Denervation With Symplicity Spyral Catheter in the Global Symplicity Registry: Safety and Efficacy at 3 Years
Presenting Author: Michael Böhm

10:07 AM Discussion

10:10 AM TCT 85: Left Ventricular Cardiac Reshaping With Trans myocardial Splints Does not Impair Diastolic Function in Preclinical Studies
Presenting Author: Daisuke Onohara

10:17 AM Discussion

10:20 AM TCT 86: Reducing Left Ventricular Sphericity With a Transventricular Myocardial Splint Improves Systolic Function in a Preclinical Ischemic Cardiomyopathy Model
Presenting Author: Daisuke Onohara

10:27 AM Discussion
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 creatinineserum 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 AssociatedWith Improved In hospital Mortality In Patients With Non ST ElevationMyocardialInfarction
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: Anastasios Dimitrios Roumeliotis

10:27 am  Discussion

DETECTION AND CLOSURE OF PARAVALVULAR LEAKS

Detection and Closure of Paravalvular Leaks

Structural: Valve

SATURDAY, SEPTEMBER 28, 2019
10:20 am - 11:30 am
Moderated Posters 3

10:20 am  Detection and Closure of Paravalvular Leaks
Moderators: Jose Luis Navia, Carlos E. RuizDiscussants: Andres Pineda

10:27 am  TCT 253: Transcatheter Device Closure of Paravalvular Leaks a Single Centre Experience

DRUG-ELUTING STENT STUDIES - BIODEGRADABLE POLYMERS

Drug-Eluting Stent Studies - Biodegradable Polymers

Coronary: Core

SATURDAY, SEPTEMBER 28, 2019
10:30 am - 11:30 am
Moderated Posters 8

10:30 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

10:37 am  Discussion

10:40 am  TCT 255: Impact of the Aortic Anulus 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

10:47 am  Discussion

10:50 am  TCT 256: Minimally Invasive Transradial Approach for Percutaneous Closure of Aortic Paravalvular Leaks: a single center experience
Presenting Author: Luis Ortega-Paz

10:57 am  Discussion

11:00 am  TCT 257: Effect of Post Dilatation Irrespectiveof the Degree of Residual Paravalvular LeakageFollowing Balloon Expandable Transcatheter Aortic Valve Replacement
Presenting Author: TOMOHIRO KAWAGUCHI

11:07 am  Discussion

11:10 am  TCT 258: Outcomes of Residual Trivial and Mild Aortic Regurgitation After Transcatheter Aortic Valve Replacement
Presenting Author: Johnny Chahine

11:17 am  Discussion

11:20 am  TCT 442: The Volume Outcomes Relationship Between Mitral Valve Surgery and MitraClip Procedure in a US Registry
Presenting Author: Jad Omran

11:27 am  Discussion
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: Suresh Patted

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 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
Presenting Author: Vishal Batra

11:17 AM Discussion

11:20 AM TCT 305: Real World Experience of Biodegradable Polymer Drug Eluting Stents Versus Second Generation Durable Polymer Drug Eluting Stents in Patients With ST Segment Elevation Myocardial Infarction Undergoing Primary Percutaneous Coronary Intervention
Presenting Author: Hui Wen Sim

11:27 AM Discussion

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 Fibrilation undergoing Percutaneous Coronary Intervention Network Meta analysis.
Presenting Author: Bharat Ravishankar

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

**MANAGEMENT OF ANTIPLATELET THERAPY AND ANTICOAGULATION IN PATIENTS UNDERGOING PCI - 4**

**PCI AND BLEEDING COMPLICATIONS**

**PCI and Bleeding Complications**

**Coronary: Core**

**SATURDAY, SEPTEMBER 28, 2019**

10:30 AM - 11:30 AM
Moderated Posters 7

**SATURDAY, SEPTEMBER 28, 2019**

10:30 AM - 11:30 AM
Management of Antiplatelet Therapy and Anticoagulation in Patients Undergoing PCI - 4
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: Riddhima Goel

10:57 AM Discussion

11:00 AM TCT 543: Long term incidence and details of bleeding event after everolimus eluting stent implantation 7 8 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: Riddhima 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

11:27 AM Discussion

TAVR COMORBIDITIES AND COMPLICATIONS - 2

TAVR Comorbidities and Complications - 2

SATURDAY, SEPTEMBER 28, 2019
10:30 AM - 11:30 AM
Moderated Posters 1

10:30 AM TAVR Comorbidities and Complications - 2
Moderators: Manuel D. Pan, Christian SpiesDiscussants: Oscar A. Mendiz

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: Impact of Pulmonary Hypertension and COPD on Outcomes after Transcatheter Aortic Valve Replacement A Report From the STSACC TVT Registry
Presenting Author: Joao Cavalcante - DUPE

11:07 AM Discussion

11:10 AM TCT 701: Pulmonary Hypertension with Elevated Pulmonary Vascular Resistance is Associated with Long term Mortality in Patients Undergoing Transcatheter Aortic Valve Replacement
Presenting Author: Miho Fukui

11:17 AM Discussion

11:20 AM TCT 702: Impact of Transcatheter Aortic Valve Replacement on Anemia: New Approach to Heyde’s Syndrome
Presenting Author: Arturo Garcia-Touchard

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
Moderated Posters 5

10:30 AM - 11:30 AM
TAVR vs. SAVR and TAVR vs. TAVR - 2
Moderators: Joachim SchoferDiscussants: Carlos D. Calderas, Juan Terre, Ramiro Trillo

10:30 AM TCT 727: Transcatheter Versus Surgical Aortic Valve Replacement in Low Risk Patients: A Meta Analysis
Presenting Author: Toby Rogers

10:37 AM Discussion

10:40 AM TCT 728: Low risk Transcatheter versus Surgical Aortic Valve Replacement A Meta analysis of Randomized Controlled Trials
Presenting Author: Toby Rogers

10:47 AM Discussion
### VASCULAR ACCESS AND CLOSURE IN PCI - 3

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Author/Details</th>
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<tr>
<td>10:30</td>
<td><strong>Vascular Access and Closure in PCI - 3</strong></td>
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<tr>
<td>10:30</td>
<td>TCT 790: Forearm Radial Artery Occlusion Following Distal Radial Artery Approach</td>
<td>Presenting Author: Kazuki Tobita</td>
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<td>10:37</td>
<td>TCT 791: Reasons for not Using Radial Access for Percutaneous Coronary Intervention in era of Experienced Radial Operator</td>
<td>Presenting Author: Tanawan Riangwiwat</td>
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<td>10:47</td>
<td>TCT 792: Meta Analysis of Radial Hemostasis Trials Using Patent Hemostasis and a Potassium Ferrate Hemostatic Disc</td>
<td>Presenting Author: Matheen Khuddus</td>
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**VULNERABLE PLAQUES AND HIGH RISK PATIENTS - 3**

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<tr>
<th>Time</th>
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<tr>
<td>10:30</td>
<td><strong>Vulnerable Plaques and High Risk Patients - 3</strong></td>
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<td>10:30</td>
<td>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</td>
<td>Presenting Author: Rafał Januszek</td>
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<td>10:37</td>
<td>TCT 840: Index of multiple deprivation and percutaneous coronary intervention: An analysis from the British Cardiovascular Intervention Society database.</td>
<td>Presenting Author: Sharmaine Thiru</td>
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<td>10:47</td>
<td>TCT 841: The Impact of HIV on Coronary Artery Procedure in Patients of Coronary Artery Disease</td>
<td>Presenting Author: Amer N. Kadri</td>
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AGE AND GENDER AND PRIMARY PCI

**Coronary: CHIP**

**SUNDAY, SEPTEMBER 28, 2019**
11:30 am - 12:30 pm
Moderated Posters 6

**Age and Gender and Primary PCI**

**Moderator:** Angeles Alonso Garcia, Alice K. Jacobs

- **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** TCT 123: Impact of gender and ischemic time in anterior STEMI 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 pm** TCT 125: Impact of Insurance on Outcomes and Readmission Rates in Young Adults After Acute Myocardial Infarction
  *Presenting Author: Viswajitreddy Anugu*

- **12:07 pm** Discussion

BIOMARKERS AND OUTCOMES

**Coronary: Core**

**SUNDAY, SEPTEMBER 28, 2019**
11:30 am - 12:10 pm
Moderated Posters 4

**Biomarkers and Outcomes**

**Moderators:** João L. Cavalcante, Tyrone J. Collins
**Discussants:** Vineet Bhatia, Vivek Gupta, Timothy D. Henry, Melek Ozgu Issever, Nick Lakkis, Oleg Polonetsky, Ricardo Sanz-Ruiz

- **11:30 am** 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*

- **11:37 am** Discussion

- **11:40 am** 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*

- **11:47 am** Discussion

- **11:50 am** 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*

- **11:57 am** Discussion

- **12:00 pm** TCT 163: The Prothrombotic Transcriptomic Signature of Reticulated Platelets
  *Presenting Author: Dario Bongiovanni*

- **12:07 pm** Discussion

CATH LAB OF THE FUTURE - 3
SATURDAY, SEPTEMBER 28, 2019
11:30 AM - 12:30 PM
Moderated Posters 3

11:30 AM - 12:30 PM
Cath Lab of the Future - 3
Moderators: Ryan D. Madderm
Discussants: John A. Ambrose, Christos Bourantas, Miodrag C. Ostojic

11:30 AM
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

11:37 AM
Discussion

11:40 AM
TCT 207: Frontiers in Machine Learning amp ECG: Value of Enriching Data
Presenting Author: Sameer Mehta

11:47 AM
Discussion

11:50 AM
TCT 208: Effectiveness of Multislice Computed Tomography Coronary Angiography Versus Invasive Coronary Angiography in Accurate Calculation of SYNTAX score
Presenting Author: Yasser Sadek

11:57 AM
Discussion

12:00 PM
TCT 209: First Demonstration of Long distance Robotic Telestenting Capabilities Using 5G Wireless Technology: A Pre clinical Study
Presenting Author: Ryan D. Madder

12:07 PM
Discussion

12:10 PM
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

12:17 PM
Discussion

12:20 PM
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

12:27 PM
Discussion

MORTALITY AFTER PCI

SATURDAY, SEPTEMBER 28, 2019
11:30 AM - 12:30 PM
Moderated Posters 8

11:30 AM - 12:30 PM
Coronary Artery Surgery
Moderators: Vinayak N. Bapat, Craig R. Smith
Discussants: Rodrigo Modolo, Jaishankar Raman

11:30 AM
TCT 236: Coronary artery bypass grafting in patients presenting with ST segment elevation myocardialinfarction 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: Rodrigo Modolo

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
TAVR COMORBIDITIES AND COMPLICATIONS - 3

11:30 AM TAVR Comorbidities and Complications - 3

TAVR vs. SAVR and TAVR vs. TAVR - 3

SATURDAY, SEPTEMBER 28, 2019
11:30 AM - 12:30 PM
Moderated Posters 5

11:30 AM TAVR Comorbidities and Complications - 3

TAVR vs. SAVR and TAVR vs. TAVR - 3

Moderators: Pieter R. Stella, Marco V. WainsteinDiscussants: Carlos D. Caldeiras, Ramiro Trillo, Dirk Westermann

11:30 AM TCT 733: Transcatheter compared to Surgical Aortic Valve replacement in patients with Rheumatic Aortic Valve disease. A nationwide analysis
11:30 - 12:30 PM
Vascular Access and Closure in PCI - 4

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 PM TCT 736: Long term durability of transcatheter heart valves: Insights from bench testing to 25 years
Presenting Author: Janarthanan Sathananthan

12:07 PM Discussion
12:10 PM TCT 737: Balloon Expandable Versus Self Expanding Transcatheter Aortic Valve Systems: A Bayesian Network Meta analysis
Presenting Author: Mohammed Osman

12:17 PM Discussion
12:20 PM 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 PM Discussion

CHRONIC TOTAL OCCLUSIONS - 4

11:30 - 12:30 PM
Chronic Total Occlusions - 4

Presenting Author: Stephen Long

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 Boe

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
Presenting Author: Rajeev Anchan

12:17 AM Discussion
12:20 AM TCT 800: Bivalirudin vs Heparin on Radial Artery Thrombosis During Transradial Coronary Intervention: an Optical Coherence Tomography Study
Presenting Author: Zijing Liu

12:27 AM Discussion

SATURDAY, SEPTEMBER 28, 2019
11:30 AM - 12:30 PM
Vascular Access and Closure in PCI - 4

Moderators: David X. Zhao
Discussants: Anton Farkas, Ramzan M. Zakir

11:30 AM TCT 795: Trends in the Prevalence and In Hospital Outcomes ofRadial 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

SATURDAY, SEPTEMBER 28, 2019
12:30 PM - 1:30 PM
Chronic Total Occlusions - 4

Moderators: Sundeep Mishra, Sunao Nakamura
Discussants: Goran K. Olivecrona, Elmir Omerovic, Sudhir Rathore, Masahisa Yamane

12:30 AM 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 AM Discussion
12:40 AM 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: Rajeev Anchan

12:27 AM Discussion
TAVR COMORBIDITIES AND COMPLICATIONS

TAVR Comorbidities and Complications - 4

SATURDAY, SEPTEMBER 28, 2019
12:30 pm - 1:30 pm
Moderated Posters 1

12:30 pm - 1:30 pm
TAVR Comorbidities and Complications - 4
Moderators: Mark C. Bates, Francesco BedogniDiscussants: Itshac Itsik Ben-dor, Stefan C. Bertog, Stephen J.D. Brecker

12:30 pm TCT 709: Aortic Valve Replacement in Patients with Prior Kidney Transplantation: Transcatheter or Surgical approach
Presenting Author: Konstantinos Voudris

12:37 pm Discussion

12:40 pm TCT 710: Body Mass Index as a Predictor of Outcomes in Patients Undergoing Transcatheter Aortic Valve Replacement
Presenting Author: Majid Asawaeer

12:47 pm Discussion

TAVR LEAFLET THICKENING AND THROMBOSIS

TAVR Leaflet Thickening and Thrombosis

SATURDAY, SEPTEMBER 28, 2019
12:30 pm - 1:30 pm
Moderated Posters 5

12:30 pm - 1:30 pm
TAVR Leaflet Thickening and Thrombosis

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 M. 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

SUNDAY, SEPTEMBER 29, 2019
MAIN ARENA IV: SUNDAY, SEPT. 29

Main Arena IV: Sunday, Sept. 29
Coronary: CoreCoronary: CHIP

SUNDAY, SEPTEMBER 29, 2019
8:00 AM - 1:00 PM
Main Arena

8:00 AM - 8:45 AM
TCT Celebrates Clinical Science & Practice
Moderators: Juan F. Granada, David Hildick-SmithDiscussants: Giuseppe Biondi-Zoccai, John D. Carroll, Carlos Collet, Nicolas Foin, Hitinder S. Gurm, Timothy D. Henry, Michel R. Le May, Brij Maini, Stephane Noble, Grayson H. Wheatley

8:00 AM Best Abstract of TCT 2019
8:10 AM Roundtable Discussion With Audience QA
8:15 AM Best Coronary Case of TCT 2019
Case Presenter: Mahesh V. Madhavan
8:25 AM Roundtable Discussion With Audience QA
8:30 AM Best Structural Case of TCT 2019
Case Presenter: Abdul Qazi
8:40 AM Roundtable Discussion With Audience QA

8:45 AM - 9:45 AM
Late-Breaking Trials 4

8:45 AM COAPT: Cost Effectiveness Analysis From a Randomized Trial of the MitraClip in Patients With Heart Failure and Severe Secondary Mitral Regurgitation
Lecturer: Suzanne J. Baron

8:57 AM Roundtable Discussion With Audience QA
9:05 AM PARTNER 3: Health Status Outcomes From a Randomized Trial of Transcatheter vs. Surgical Aortic Valve Replacement in Patients With Severe Aortic Stenosis at Low Surgical Risk
Lecturer: Suzanne J. Baron

9:17 AM Roundtable Discussion With Audience QA
9:25 AM REMEDIAL III: A Randomized Trial of Urine Flow Rate Guided vs. LVEDP Guided Hydration in Patients at High Risk for Contrast Nephropathy
Lecturer: Carlo Briguori

9:37 AM Roundtable Discussion With Audience QA

9:45 AM - 11:00 AM
Reflections From a Rich Interventional History: A Series of Featured Lectures

9:45 AM Development of the Swan Ganz Catheter: A Tale of Serendipity Ingenuity and Chance
Lecturer: James S. Forrester

10:00 AM Discussion
10:10 AM Development of the Coronary Stent: The Pioneers and Their Stories
Lecturer: Philippe E. Gaspard

10:25 AM Discussion
10:35 AM Development of the MitraClip: Inspiration Collaboration and Challenges Overcome
Lecturer: Frederick G. St. Goar

10:50 AM Discussion

11:00 AM - 12:00 PM
Late-Breaking Science #4

11:00 AM BIODEGRADE: A Large Scale Randomized Trial of a Thin Strut Bioabsorbable Polymer Based DES vs. a Thick Strut Bioabsorbable Polymer Based DES in an All Comers Population With Coronary Artery Disease
Lecturer: IN-HO CHAE

11:10 AM Roundtable Discussion With Audience QA
11:15 AM BLADE PCI: A Randomized Trial of Liposomal Alendronate in Patients With Diabetes Undergoing PCI
Lecturer: Philippe Genereux

11:25 AM Roundtable Discussion With Audience QA