TCT Innovation I: Global Perspectives in MedTech and Emerging Technological Trends

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

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

**8:00 AM**  
**Session I: Challenges and Opportunities in MedTech Innovation**  
Moderators: 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 More Efficient and Affordable Medicine  
    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

**9:20 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. García-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. Madder, 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
Fascinating Lecture: Augmented Reality MSCT Guided Puncture in TAVR Procedures
Lecturer: Radoslaw Parma

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

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

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

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

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

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

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

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

Moderated Panel Discussion

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

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

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

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

Moderated Panel Discussion

2:00 PM - 2:40 PM
Session VI: Cath Lab of the Future III — Robotics in Cardiovascular Interventional Medicine
Moderators: Fred Moll, Dan Wallace
Discussants: Rafael Beyar, Jean Bismuth, Louis Aaron Cannon, Ryan D. Madder, John Pavlidis, Giora Weisz

Keynote Lecture: Robotics in Interventional CV Procedures Lessons Learned From the Surgical Field
Lecturer: Fred Moll

Impact of Artificial Intelligence and Advanced Imaging Integration in Robotic System Development and Clinical Integration
Lecturer: John Pavlidis

Facing the Realities of Medical Robotics: Validation Training and Approval Pathways
Lecturer: Jean Bismuth

Telerobotics in Stroke and AMI Intervention: Afar Is Not Far Reaching Anymore
Lecturer: Louis Aaron Cannon

Moderated Panel Discussion
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

2:40 PM - 3:57 PM
Aortic Valve Intervention and Ancillary Solutions I: Featured Technological Trends
2:40 PM Innovative Protected Transcatheter Aortic Valve Calcium Debridement System
AorticLab
Lecturer: Filippo Scalise
2:47 PM Full Arch Cerebral Embolic Protection of the Brain Point Guard During Cardiovascular Procedures
Lecturer: Axel Linke
2:54 PM A Novel Left Transradial Cerebral Protection System for TAVR The ProtEmbo System
Lecturer: Tobias Schmidt
3:01 PM A New Device to Secure and Optimize Transcatheter Heart Valve Interventions THV and Complex PCI Electrode
Lecturer: Benjamin Faurie
3:08 PM Moderated Panel Discussion

3:15 PM - 4:32 PM
Aortic Valve Intervention and Ancillary Solutions II
3:15 PM Single Piece 3D Aortic Valve Leaflet Architecture: A Novel Approach to the Development of Highly Durable TAVR Device Admedus
Lecturer: Kiran Bhirangi
3:22 PM Foldax Tria: First in Human Implant of a Totally Synthetic Polymeric Aortic Valve
Lecturer: Steven J. Yakubov
3:29 PM Total Embolic Protection: The Emboliner Embolic Protection Catheter Early Clinical Results
Lecturer: Scott Russell
3:36 PM A Novel Designed Temporary Disposable Pacing Catheter That Can Be Deployed Swiftly to Sense and Pace the Atrium and Ventricle in Dual Chamber Synchrony
Lecturer: Christian Marin y Kall
3:43 PM Extracardiac Pacing: An Entirely Novel Approach to TAVR Related Arrhythmias and Beyond AtacorCorvita
Lecturer: Martin Burke
3:50 PM Moderated Panel Discussion

3:57 PM - 5:00 PM
Session VIII: The Structural Heart Revolution II
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. Krongold

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

11:03 am Clinical Trial Updates: BTK Tacks Scaffolds and Drugs
Lecturer: Steven Kum

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

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. Roacha-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 LOMOCOMTIVLE Trial of VascuFlex System From B. Braun
Lecturer: Thomas Zeller
### CARDIOVASCULAR PROFESSIONALS (CVP) COURSE: 28TH ANNUAL CARDIOVASCULAR NURSE AND TECHNOLOGIST SYMPOSIUM

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

**Nurse \ Technology**

**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 MaloneyDiscussants: Morton J. Kern, Robert Kutys, Michael J. Lim, George W. Vetrovec
8:00 AM Case Introduction: A Patient With Atypical Chest Pain and Shortness of Breath
Case Presenter: 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 MaloneyDiscussants: Hemal Gada, Philippe Genereux, Paul D. Mahoney
9:00 AM Case Introduction: Symptoms Suggestive of Aortic Stenosis
Case Presenter: Marianna 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

10:00 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 MaloneyDiscussants: 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 TingleyDiscussants: Darshan Doshi, Khady Fall, Linda Joziasse, Patricia Keegan, Amirali Masoumi
11:00 AM Introduction by Moderator
Lecturer: Amisha Patel
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
11:43 AM Roundtable Discussion With Audience QA

11:45 AM Session II: Structural Hot Topics
Moderators: Ashley KoppenhefferDiscussants: Russell A. Brandwein, Elizabeth M. Perpetua, Susan J. Schnell, Matthew Wiisanen, Janet Fredal Wyman
11:45 AM COAPT Partner 2 and Evolut Low Risk Trial Synopsis and What They Mean Moving Forward  
Lecturer: Elizabeth M. Perpetua

11:55 AM Case Presentation: Complex Structural Heart Intervention With Multiple Valves and Hemodynamic Support  
Case Presenter: Ashley Koppenheffer

12:10 PM Novel Access Routes for Structural Heart Intervention: Transcarotid Transcaval Transaxillary Etc.  
Lecturer: Janet Fredal Wyman

12:20 PM Upcoming Therapies: Accucinch TMVR Tricuspid Clips Vena Cava Valves for Tricuspid Disease  
Lecturer: Russell A. Brandwein

12:30 PM Session III: Peripheral Hot Topics  
Moderators: Danielle Bajakian, Michelle MaiersDiscussants: Philip Green, Hady Lichaa, Sanjum S. Sethi

12:30 PM An Introduction to Critical Limb Ischemia  
Lecturer: Michelle Maiers

12:35 PM What Are My Options to Treat CLI  
Lecturer: Philip Green

12:45 PM Alternative Access for the Treatment of Endovascular Disease Including Radial to Peripheral and Pedal Access  
Lecturer: Hady Lichaa

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

1:10 PM Roundtable Discussion With Audience QA

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

1:15 PM Lunch Session Check in

1:30 PM Session I: Sponsored Lunch and Cath Lab Honorees  
Lecturer: Judy Tingley

1:35 PM Keynote Speech: Heart Valve Therapy 2019  
Lecturer: George D. Dangas

1:55 PM Roundtable Discussion With Audience QA

2:00 PM Your Mother Has AS Open Mic With the Heart Team  

2:30 PM Break

CARDIOVASCULAR PROFESSIONALS (CVP) COURSE: 28TH ANNUAL CARDIOVASCULAR NURSE AND TECHNOLOGIST — HANDS-ON, HIGH-IMPACT TRAINING

CARDIOVASCULAR PROFESSIONALS (CVP) Course: 28th Annual Cardiovascular Nurse and Technologist — Hands-On, High-Impact Training  
Nurse \ Technologist

WEDNESDAY, SEPTEMBER 25, 2019
3:00 PM - 6:00 PM  
Room 160

3:00 PM - 6:00 PM Hands-On Open Session to Explore supported by Abbott, Abiomed, Boston Scientific Corporation, CathLabs.com, Corindus, Edwards Lifesciences, Medtronic, and Philips

3:00 PM - 6:00 PM 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

3:00 PM - 6:00 PM Coronary Catheters

3:00 PM - 6:00 PM Innovations in Imaging in the Cath Lab

3:00 PM - 6:00 PM Simulated Coronary Case

3:00 PM - 6:00 PM Cerebral Protection Devices

3:00 PM - 6:00 PM Mechanical Support

3:00 PM - 6:00 PM Structural Heart Valves: Past Present and Future

3:00 PM - 6:00 PM Educational Opportunities Throughout the Year

ABCS OF INTERVENTIONAL CARDIOLOGY

ABCs of Interventional Cardiology  
Coronary: CoreCoronary: CHIPStructural: ValveStructural: Non-Valve

WEDNESDAY, SEPTEMBER 25, 2019
8:00 AM - 12:00 PM  
Room 209-210
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, Alok 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: Ehtisham Mahmud  

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 Loyalka  

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

11:57 AM  |  Roundtable Discussion With Audience QA  

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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  

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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

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

The Best of Intervention From Japan: Advanced PCI Techniques, Imaging and Physiologic Assessment, Endovascular Intervention, and Structural Heart Intervention
Coronary: CHIPCoronary: CoreStructural: ValveVascularStructural: Non-Valve

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**WEDNESDAY, SEPTEMBER 25, 2019**
8:30 AM - 10:30 AM
Room 205-206

8:30 AM - 9:10 AM
**Session I: Advanced PCI Techniques**
Moderators: Lei Ge, Makoto Sekiguchi
Discussants: Alexandre Avran, Scott Harding, Taishi Hirai, Ashish Pershad, Sudhir Rathore

- 8:30 AM  Halfway Rotational Atherectomy in Severely Calcified Coronary Lesions
  Lecturer: Kenichi Sakakura

- 8:40 AM  Roundtable Discussion With Audience QA

- 8:43 AM  The Latest Strategies for CTO Japanese Fashion
  Lecturer: Takeshi Serikawa

- 8:53 AM  Roundtable Discussion With Audience QA

- 8:56 AM  Clinical Outcomes After IVUS Guided Directional Coronary Atherectomy DCA And Drug Coating Balloons DCB
  Lecturer: Yoshiaki Ito

- 9:06 AM  Roundtable Discussion With Audience QA

9:10 AM - 9:50 AM
**Session II: Coronary Imaging and Physiologic Assessment**
Moderators: Takashi Akasaka, Hitoshi Matsuo
Discussants: Akiko Fujino, Matthias Göteborg, Yoshiaki Kawase, Yuhei Kobayashi, Akiko Maehara

- 9:10 AM  Long Term Clinical Outcomes of Japanese Patients With Deferred Coronary Intervention Based on FFR: The J CONFIRM Registry
  Lecturer: Shoichi Kuramitsu

- 9:20 AM  Roundtable Discussion With Audience QA
9:24 AM  How Does Intravascular Imaging Derived FFR Work and When Should It Be Used  
Lecturer: Fumiyasu Seike

9:34 AM  Roundtable Discussion With Audience QA

9:37 AM  Comparison Between QFR and FFRCT With Case Examples  
Lecturer: Hiroki Emori

9:47 AM  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

9:57 AM  Roundtable Discussion With Audience QA

10:00 AM  Stress Hormones Are Related to Perioperative Outcomes After CLI Surgical Endovascular Revascularization: The SPINACH Registry  
Lecturer: Yoshimitsu Soga

10:07 AM  Roundtable Discussion With Audience QA

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

10:17 AM  Roundtable Discussion With Audience QA

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

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

11:21 AM  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

12:09 PM  Roundtable Discussion With Audience QA

12:13 PM  Angiography Based Physiological Lesion Assessment: QFR System and the FAVOR Trials  
Lecturer: Bo Xu

12:21 PM  Roundtable Discussion With Audience QA
THE BEST OF INTERVENTION FROM LATIN AMERICA

The Best of Intervention From Latin America
Coronary: CoreCoronary: CHIPStructural: Non-ValveStructural: ValveVascular

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. MendizDiscussants: 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

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: ValveStructural: 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. SommerDiscussants: 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
WHO WHEN HOW: A PRIMER OF ASD CLOSURE IN ADULTS
Lecturer: William A. Gray

1:27 PM

Learn the Technique Case Based: ASD Closure in an Adult Patient
Case Presenter: Narek Karapetyan

1:35 PM

Roundtable Discussion With Audience QA

1:42 PM

Calcific Mitral Valve Disease: Interventional Approaches
Lecturer: Mayra Guerrero

1:57 PM

Learn the Technique Case Based: Calcified Aortas and Mitral Valve Disease
Case Presenter: Sergey A. Abugov

2:04 PM

Roundtable Discussion With Audience QA

2:11 PM

Interventional Treatment of Paravalvular Leaks: Procedural Planning Technique and Outcomes
Lecturer: Wojtek Wojakowski

2:19 PM

Learn the Technique Case Based: Interventional Treatment of Paravalvular Leak
Case Presenter: Bagrat Alekyan

2:26 PM

Left Atrial Appendage Closure: A Congenital Skill for a Non Congenital Disease
Case Presenter: Horst Sievert

2:34 PM

Learn the Technique Case Based: LAA Closure
Case Presenter: Alexey A. Protopopov

2:41 PM

Roundtable Discussion With Audience QA

2:55 PM

Closing Remarks
Lecturer: Bagrat Alekyan

THE BEST OF INTERVENTION FROM THE MIDDLE EAST AND AFRICA
THE BEST OF INTERVENTION FROM THE ASIA-PACIFIC AND INDIA
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

3:20 PM - 3:55 PM
How I Would Treat This Case
Lecturer: Sajidah Khan

3:25 PM - 3:55 PM
How I Would Treat This Case
Lecturer: Kais BATTIKH

3:30 PM - 3:55 PM
Case Resolution: How Did I Treat This Patient
Case Presenter: Nireen Okasha

3:35 PM - 3:55 PM
Roundtable Discussion With Audience QA

3:50 PM - 4:00 PM
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

4:00 PM - 4:35 PM
How I Would Treat This Case
Lecturer: Khaled F. Al Shaibi

4:05 PM - 4:35 PM
How I Would Treat This Case
Lecturer: Mohamed Abed Bouraghda

4:10 PM - 4:35 PM
Case Resolution: How Did I Treat This Patient
Case Presenter: Chaim S. Lotan

4:15 PM - 4:35 PM
Roundtable Discussion With Audience QA

4:30 PM - 4:40 PM
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

4:40 PM - 5:15 PM
How I Would Treat This Case
Lecturer: Mohammed Balghith

Women in Structural Heart (WISH): Breaking the Glass Ceiling — An Evening of Complex Cases (Sponsored by CRF; Supported by Abbott, Boston Scientific Corporation, Edwards Lifesciences, and Medtronic)

WEDNESDAY, SEPTEMBER 25, 2019
6:00 PM - 8:05 PM
Yerba Buena Ballroom 8

6:00 PM - 6:30 PM
Check-in and reception

6:30 PM - 8:05 PM
Women in Structural Heart Disease
Chairs: Anita Asgar, Kendra J. Grubb, Mayra Guerrero, Rebecca T. Hahn, Vivian G. Ng
Faculty: Christine Jee-Young Chung, Stephanie El-Hajj, Nadira Hamid, Katherine B. Harrington, Nisha Jalani, 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 Wong, Tiffany Wong, Melana Yuzefpolskaya

6:30 PM - 6:45 PM
Introduction and Welcome to the Inaugural Session
Lecturer: Martin B. Leon

6:45 PM - 7:00 PM
Featured Lecture: The Rapid Growth of Structural Heart Disease and the Multidisciplinary Heart Team
Keynote Speaker: Rebecca T. Hahn

6:50 PM - 7:15 PM
Case Based Heart Team Presentations
Moderator: Anita Asgar, Kendra J. Grubb, Mayra Guerrero, Rebecca T. Hahn, Sandra Lauck, Roxana Mehran, Vivian G. Ng
# COLLABORATORS IN TAVR: A MEDTRONIC COURSE IN COLLABORATION WITH CRF FOR NEW-TO-TAVR HEART TEAMS

**Collaborators in TAVR: A Medtronic Course in Collaboration With CRF for New-to-TAVR Heart Teams**

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<th>Time</th>
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<th>Presenters/Participants</th>
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<tr>
<td>WEDNESDAY, SEPTEMBER 25, 2019</td>
<td>Your Partners in TAVR: An Extension of the Heart Team</td>
<td>Martin B. Leon, Jeffrey J. Popma</td>
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<td>From the Ground Up</td>
<td>Sandeep Patel</td>
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<td>Obtaining Effective Support for Your New Program</td>
<td>Antonie Keller</td>
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<td>Panel Discussion</td>
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<td>Pulling Together the Heart Valve Team and the Importance of a VPC</td>
<td>Guilherme Attizzani, Angela Davis</td>
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<td>Panel Discussion</td>
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<td>Structure and Workflow for Valve Clinic</td>
<td>Martina Kelly, Kelly Speight</td>
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<td>Valve Conference: How to Communicate Effectively and Make Clinical Decisions as a Multidisciplinary Heart Team</td>
<td>Timothy John Byrne, Michael Caskey, Tammy Querrey</td>
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**Registrations and Continental Breakfast**

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<tr>
<td>7:15 AM - 8:00 AM</td>
<td>Registration and Continental Breakfast</td>
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### TAVR FOUNDATIONS FOR FELLOWS (SPONSORED BY EDWARDS LIFESCIENCES)

**WEDNESDAY, SEPTEMBER 25, 2019**

**Room 301**

**8:00 am - 5:00 pm**

**TAVR Foundations for Fellows**

**Chairs:** Tamim M. Nazif, John K. Forrest, Ryan K. Kaple, Omar K. Khalique, Amar Krishnaswamy, James M. McCabe, Andrew Morse, Rahul Prakash Sharma, Torsten P. Vahl

#### 8:00 am - 8:15 am

**Welcome and Introduction**

- **Presenter:** Susheel Kodali

#### 8:15 am - 9:00 am

**TAVR Evolution and PARTNER Data Overview**

- **Presenter:** Susheel Kodali

#### 9:00 am - 9:30 am

**Echocardiography for TAVR**

- **Presenter:** Omar K. Khalique

#### 9:30 am - 10:00 am

**CT Imaging for TAVR**

- **Presenter:** Torsten P. Vahl

#### 10:00 am - 10:15 am

**Break**

**Transfemoral Procedure: Device Overview and Case Review**

**Moderators:** A. Pieter Kappetein, Paul D. Mahoney

**Discussants:** Guilherme Attizzani, Srinivas Iyengar, Hasan Jilaihawi, Muhamed Saric, Steven J. Yakubov

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**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

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**12:15 pm - 1:00 pm**

**Lunch**

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**1:00 pm - 3:00 pm**

**Maintaining and Accelerating Your Program: Part 1 — Logistics**

- **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**

- **Market Analysis**
  - **Lecturer:** Lucy Schlueter
- **Identifying Referral Sources Outreach Programs**
  - **Lecturer:** Srinivas Iyengar
- **Echo Alert**
  - **Lecturer:** Hemal Gada
- **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**

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**3:00 pm**

**Maintaining and Accelerating Your Program: Part 2 — Acquiring Advanced Skills**

**3:00 pm**

**Acquiring Advanced**

- **Echo Interpretation Skills**
  - **Lecturer:** Muhamed Saric

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**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**

- **Discussants:** Guilherme Attizzani, Srinivas Iyengar, Hasan Jilaihawi, Paul D. Mahoney, Jeffrey J. Popma, Muhamed Saric, Steven J. Yakubov

**4:40 pm**

**TAVR Team Planning Sharing**

- **Discussants:** Guilherme Attizzani, Srinivas Iyengar, Hasan Jilaihawi, Paul D. Mahoney, Jeffrey J. Popma, Muhamed Saric, Steven J. Yakubov

**4:50 pm**

**QA: Next Steps**

- **Lecturer:** Martin B. Leon, Jeffrey J. Popma

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**5:00 pm - 5:00 pm**

**Adjourn**
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
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 Session I: Device Development Essential Concepts
8:35 am Session I: Device Development Essential Concepts
Moderator: Anthony DeMaria, David R. Holmes Jr.

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
9:45 am Session II: Device Development Focus on Diagnostic Devices
Moderator: Mitchell W. Krucoff, Bram D. Zuckerman
10:00 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
Overview Interventional Devices for Heart Failure

AMI AND VULNERABLE PLAQUE AND PATIENT STUDIES

AMI and Vulnerable Plaque and Patient Studies

Coronary: CHIP
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

12:40 PM  
Discussion

12:45 PM  
TCT 10: Time and Mortality in ST Elevation Myocardial Infarction: Insights From the TOTAL Trial  
Presenting Author: Rachel Moxham

12:55 PM  
Discussion

1:00 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

1:10 PM  
Discussion

1:15 PM  
TCT 12: Results from the CAMI1 Study: Selective CRP apheresis as a new treatment option in acute myocardial infarction  
Presenting Author: Christoph Dietrich Garlichs

1:25 PM  
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 Garlichs, 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

1:40 PM  
Discussion

1:45 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

1:55 PM  
Discussion

2:00 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

12:40 PM  
Discussion

12:45 PM
TCT 18: Impact of Initial Evolut TAVR Deployment Orientation on Final Valve Orientation and Coronary Reaccess: A Pilot Study  
Presenting Author: Gilbert H.L. Tang

12:55 PM  
Discussion

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

1:10 PM  
Discussion

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

1:25 PM  
Discussion

1:30 PM - 2:30 PM
Session II: Stroke
Moderators: Karel T. Koch, Ulf Landmesser
Discussants: Mark C. Bates, Asim Cheema, Alejandro Cherro, Nabil Farag, Saib Khogali, S. Chiu Wong
1:00 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

WEDNESDAY, SEPTEMBER 25, 2019
12:30 PM - 2:00 PM
Room 203

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

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: Afzal G. Zaman

12:40 PM Discussion

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

1:25 PM Discussion

1:30 PM - 2:30 PM
Session I. Chronic limb ischemia
12:30 PM  TCT 57: Planter 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 Interventionsal Therapies: Preliminary Characterization  
Presenting Author: Marco Ferrone

1:10 PM  Discussion

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

1:25 PM  Discussion

1:30 PM - 2:30 PM  
Session II: Endovascular Potpourri  
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. Shamas

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

INTRAVASCULAR IMAGING

Intravascular Imaging  
Coronary: Core
2:15 PM  TCT 56: Impact of Neoatherosclerosis on Clinical Outcomes after Repeat Revascularization of In Stent Restenosis of 2nd Generation Drug Eluting Stents Presenting Author: Zhaoyang Chen

2:25 PM  Discussion

PCI IN PATIENTS WITH HEAVILY CALCIFIED LESIONS AND CHRONIC KIDNEY DISEASE

PCI in Patients With Heavily Calcified Lesions and Chronic Kidney Disease

CORONARY: CHIP

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

12:30 PM - 1:30 PM
Session I: PCI of Heavily Calcified Lesions
Moderators: Maurice Buchbinder, Michael J. Cowley Discussants: Tayo A. Addo, Ramesh Adiraju, Ahmed Elghamaz, Jack Hall, Stefan Harb, Jun Jiang

12:30 PM  TCT 25: Comparative Safety and Effectiveness of Orbital and Rotational Atherectomy in Patients Undergoing Percutaneous Coronary Intervention: Insights from the Blue Cross Blue Shield of Michigan Cardiovascular Consortium BMC2 Presenting Author: Devika Aggarwal

12:40 PM  Discussion

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

12:55 PM  Discussion

1:00 PM  TCT 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 PM  Discussion

1:15 PM  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 PM  Discussion

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

1:30 PM  TCT 59: Impact of Intravascular ultrasound guided drug eluting stent implantation on patients with chronic kidney disease: subgroup analysis from ULTIMATE trial Presenting Author: Junjie Zhang

1:40 PM  Discussion

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

1:55 PM  Discussion

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

2:10 PM  Discussion

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

2:25 PM  Discussion

TAVR COMPLICATIONS AND CONGENITAL HEART DISEASE INTERVENTIONS

TAVR Complications and Congenital Heart Disease Interventions

STRUCTURAL: VALVE

WEDNESDAY, SEPTEMBER 25, 2019
12:30 PM - 2:25 PM
Room 215

12:30 PM - 1:30 PM
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 PM  TCT 33: Bioprosthetic valve fracture performed pre versus post valve in valve transcatheter aortic valve replacement: insights from bench testing Presenting Author: Janarthanan Sathananthan

12:40 PM  Discussion

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

12:55 PM  Discussion

1:00 PM  TCT 35: Bioprosthetic valve fracture occurred pre versus post valve in valve transcatheter aortic valve replacement: insights from bench testing Presenting Author: Janarthanan Sathananthan

1:10 PM  Discussion

1:15 PM  TCT 36: Bioprosthetic valve fracture can eliminate preexisting prosthesis patient mismatch Presenting Author: Christina Brinkmann

1:25 PM  Discussion
1:00 PM   TCT 35: Redo Transcatheter Aortic Valve Replacement for Structural and Non Structural Transcatheter Valve Dysfunction: Initial Experience From a Single High Volume Center
   Presenting Author: Lisa Crusius

1:10 PM   Discussion

   Presenting Author: Hashrul Rashid

1:25 PM   Discussion

1:30 PM - 2:25 PM
Session II: Congenital Heart Disease Interventions
Moderators: Doff B. McElhinney, Carlos E. Ruiz
Discussants: John P. Breinholt, Matthew J. Daniels, Mohammad El Tahlawi, Alexander Grigorievich Osiev, Peter B. Sick, Harsimran Sachdeva Singh

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

1:50 PM   Discussion

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

2:05 PM   Discussion

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

2:20 PM   Discussion

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CTO INTERVENTIONS

CTO Interventions
Coronary: CHIP

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

3:00 PM - 4:00 PM
Session I: CTO — Part I
Moderators: Angela Hye, Yoshiya Muramatsu
Discussants: Yaron Almagor, Leszek Bryniarski, Debabrata Dash, Asvin Darji, Jasvindar Singh, Carlos E. Uribe

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

3:10 PM   Discussion

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

3:25 PM   Discussion

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

3:40 PM   Discussion

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

4:00 PM   Discussion

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

4:10 PM   Discussion

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

4:25 PM   Discussion

4:30 PM   TCT 103: Wire Location by IVUS Strongly Predicts Procedural Success in the Retrograde Approach for Chronic Total Occlusions
   Presenting Author: Yongzhen Fan

4:40 PM   Discussion

4:45 PM   TCT 104: EFFICACY AND SAFETY OF THE NOVACROSS MICROCATHETER FOR CHRONIC TOTAL OCCLUSIONS: AN EXPANDED SAFETY STUDY
   Presenting Author: Simon J. Walsh

4:55 PM   Discussion

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COMPLEX PCI AND LEFT MAIN INTERVENTIONS

Complex PCI and Left Main Interventions
Coronary: CHIP

WEDNESDAY, SEPTEMBER 25, 2019
3:00 PM - 5:00 PM
Room 207
3:00 PM - 4:00 PM
Session I: Complex PCI
Moderators: Christophe Dubois, Massimo Napodano
Discussants: Ariel Duran, Michael C. Kim, Ayman Abou El Magd, Jamil Abdalla Saad, Julian Strange

3:00 PM  TCT 65: Long Term Outcomes of In Stent Restenosis Percutaneous Coronary Intervention Among Medicare Beneficiaries
Presenting Author: Hector Tamez

3:10 PM  Discussion

3:15 PM  TCT 66: Buddying Up for CHIP PCI: Does Having a Friend Reduce the Pain
Presenting Author: tim kinnaird

3:25 PM  Discussion

3:30 PM  TCT 67: Predictors and Outcomes After Stent Failure Is Treated with Either CAGB or PCI: An Individual Patient Data Pooled Analysis From 32880 Patients
Presenting Author: Zhaoyang Chen

3:40 PM  Discussion

3:45 PM  TCT 68: Influence of Final Kissing Balloon Inflation on Long term Outcomes After PCI of Distal Left Main Bifurcation Lesions: Analysis from the EXCEL Trial
Presenting Author: Annapoorna Kini

3:55 PM  Discussion

4:00 PM - 5:00 PM
Session II: Left Main Interventions
Moderators: Alfredo E. Rodriguez, Erick Schampaert
Discussants: Jose A. Alvarez, Theodore A. Bass, Diego D. Grinfeld, Hosam Hasan, Michal J. Hawranek, Yutaka Hikichi

4:00 PM  TCT 69: A Prospective Multi center Randomized Study to Evaluate the Optimal Strategy for Side Branch Treatment in Patients with Left Main Coronary Bifurcation Lesion SMART STRATEGY II
Presenting Author: Kim Jihoon

4:10 PM  Discussion

4:15 PM  TCT 70: Intravascular Imaging for Unprotected Left Main Stem PCI: a Survival analysis of 11264 cases from the British Cardiovascular Intervention Society National Database
Presenting Author: tim kinnaird

4:25 PM  Discussion

4:30 PM  TCT 71: Impact of Intravascular Ultrasound Guidance on Long Term 10 Year Mortality and Adverse Cardiovascular Events in Percutaneous Coronary Intervention for Unprotected Left Main Coronary Artery Disease
Presenting Author: Do-Yoon Kang

4:40 PM  Discussion

4:45 PM  TCT 72: Validation of Complex Bifurcation Lesion Definition and Comparing Stenting Strategy in a Large Cohort of Patients with Left Main Bifurcation
Presenting Author: Changdong Guan

4:55 PM  Discussion

3:00 PM - 3:50 PM
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
TRANSCATHER VALVE THERAPY | WEDNESDAY, SEPTEMBER 25, 2019

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 thromboembolic pulmonary hypertension treated with balloon pulmonary angioplasty.
Presenting Author: Stanislaw Jankiewicz

4:10 PM  Discussion

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

4:25 PM  Discussion

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

3:40 PM  Discussion

3:45 PM  TCT 92: Mitral and Tricuspid Valve Interventions
Presenting Author: Benjamin Hibbert

4:00 PM  TCT 93: Novel optical coherence tomography classification of intravascular lesions in patients with chronic thromboembolic pulmonary hypertension treated with balloon pulmonary angioplasty.
Presenting Author: Stanislaw Jankiewicz

4:10 PM  Discussion

4:15 PM  TCT 94: 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 95: Reduced Mortality in Severe PE with Ultrasound Assisted Catheter Directed Thrombolysis: A Single Center Experience.
Presenting Author: Shayan Naboiv Nouri

4:40 PM  Discussion

4:45 PM  TCT 96: Utilization of Percutaneous Thrombectomy in Patients with Massive and Very High risk Submassive Acute Pulmonary Embolism
Presenting Author: Catalin Toma

4:55 PM  Discussion
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

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 Subclavian-Axillary 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, Rodoslaw Parma

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

4:10 PM Discussion

4:25 PM TCT 94: A Radial Force Independent Bioprosthesis for Transcatheter Tricuspid Valve Implantation: First in man Clinical Trial
Presenting Author: Haibo Zhang

4:40 PM Discussion

4:45 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

4:55 PM Discussion

NOVEL TAVR DATA

Physiologic Guidance: Hyperemic, Basal, and Angiographic Studies

Physiologic Guidance: Hyperemic, Basal, and Angiographic Studies

Coronary: Core
THURSDAY, SEPTEMBER 26, 2019
MAIN ARENA I: THURSDAY, SEPT. 26

8:00 AM - 1:15 PM
Main Arena

8:00 AM - 9:25 AM
Live Cases #1
Live Case Moderators: Martin B. Leon
Live Case Co-Moderators: Ran Kornowski
Factoid Faculty: Rishi Chandiramani, Shmuel Chen, Tatsuhiro Fujimura, Tanush Gupta, Amirali Masoumi
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

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

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

9:25 AM - 9:30 AM
TCT Welcome Message

9:25 AM
Welcome Message Video
Moderators: Martin B. Leon, Gregg W. Stone
Lecturers: Juan F. Granada

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

9:30 AM
Special Presentation: Healthcare Remixed by Dr. Zubin Damania ZDoggMD
Lecturer: Zubin Damania

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

10:15 AM
Career Achievement Award Presentation
Lecturer: Martin B. Leon, Gregg W. Stone

10:30 AM - 11:30 AM
Late-Breaking Trials 1, Co-Sponsored by Lancet
10:30 am TWILIGHT: A Randomized Trial of Ticagrelor Monotherapy vs. Ticagrelor Plus Aspirin Beginning at 3 Months in High Risk Patients Undergoing PCI
Lecturer: Roxana Mehran

1:10 pm Roundtable Discussion

10:42 am Roundtable Discussion

10:50 am Onyx ONE: A Randomized Trial of a Durable Polymer Drug Eluting Stent vs. a Polymer Free Coated Stent in Patients at High Risk of Bleeding Treated With 1 Month DAPT
Lecturer: Stephan Windecker

11:02 am Roundtable Discussion

11:10 am IDEAL LM: A Randomized Trial of a Bioabsorbable Polymer DES With 4 Month DAPT vs. a Durable Polymer DES With 12 Month DAPT in Patients With Left Main Coronary Artery Disease
Lecturer: Robert-Jan Van Geuns

11:22 am Roundtable Discussion

11:30 am - 12:15 am
Live Cases #2

11:30 am St. Pauls Hospital Vancouver Canada SHD
Live Case Operator: John G. Webb, David A. Wood

12:15 pm - 1:15 pm
Late-Breaking Science 1, Co-Sponsored by Journal of American College of Cardiology

12:15 pm EVOLVE Short DAPT: A Single Arm Study of 3 Month DAPT in Patients at High Risk of Bleeding Treated With a Bioabsorbable Polymer Based Everolimus Eluting Stent
Lecturer: Ajay J. Kirtane

12:25 pm Roundtable Discussion

12:30 pm MODEL U SES: A Single Arm Study of 3 Month DAPT in Patients Treated With a Bioabsorbable Polymer Based Sirolimus Eluting Stent
Lecturer: Ken Kozuma

12:40 pm Roundtable Discussion

12:45 pm AUGUSTUS ACS: A 2x2 Factorial Randomized Trial of Apixaban vs. Warfarin and Aspirin vs. Placebo in Patients With Atrial Fibrillation and an Acute Coronary Syndrome
Lecturer: Stephan Windecker

12:55 pm Roundtable Discussion

1:00 pm TWILIGHT Thrombogenicity Substudy: Impact of Ticagrelor Alone vs. Ticagrelor Plus Aspirin on Ex Vivo Blood Thrombogenicity in High Risk Patients Undergoing PCI
Lecturer: Usman Baber

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

8:45 am NYPHColumbia University Medical Center New York NY
Live Case Operators: Emmanouil S. Brilakis, Paul Sorajja

9:30 am - 11:00 am
Session II: Live Cases — SHD
Live Case Moderators: David H. AdamsLive Case Co-Moderators: Samir R. KapadiaFactoid Faculty: Tomo Ando, Davide Cao, Hussein Rahim, Fumiyasu SeikeLive Case Discussants: Saif 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

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

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

Coronary: Core
Structural: Valve
Structural: Non-Valve

THURSDAY, SEPTEMBER 26, 2019
2:00 PM - 6:00 PM
Live Case Theater

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

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
Factoid Faculty: Tomo Ando, Davide Cao, Hussein Rahim, Fumiyasu Seike
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

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
**MITRACLIP STUDIES AND TECHNIQUE**

**MitraClip Studies and Technique**

**Structural: Valve**

*THURSDAY, SEPTEMBER 26, 2019*

*Room 155/157*

**8:00 AM - 8:51 AM**

**Session I: MitraClip in DMR and FMR**

*Moderators: Stephen Baldus, James B. Hermiller Jr*

*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**

**9:00 AM - 12:00 PM**

**Session II: MitraClip Imaging and Technique Issues**

*Moderators: Jeroen J. Bax, Saibal Kar*

*Discussants: Stephan Baldus, Victoria Delgado, Kendra J. Grubb, Joachim Schofer, Neil J. Weissman, Brian K. Whisenant*

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 **Mitra 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*

9:39 AM **MitraClip in Acute MR and Cardiogenic Shock**

*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*

*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, Rajiv Talyal*
Ultrasound Guided Access: Image Interpretation and Utility
Lecturer: Mauricio G. Cohen

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

Roundtable Discussion With Audience QA

Options and Outcomes of Alternative Arterial Access: Carotid
Lecturer: James M. McCabe

Axillary Access: Technique and Problem Solving
Lecturer: Rajiv Tayal

Roundtable Discussion With Audience QA

Options and Outcomes of Alternative Arterial Access: Transaortic
Lecturer: James M. McCabe

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

Transcaval Access: Technique and Problem Solving
Lecturer: Toby Rogers

Roundtable Discussion With Audience QA

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

Roundtable Discussion With Audience QA

Case 1: Resolution
Case Presenter: Ethan C. Korngold

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

Roundtable Discussion With Audience QA

Case 2: Resolution
Case Presenter: Perwaiz M. Meraj

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

Roundtable Discussion With Audience QA

Case 3: Resolution
Case Presenter: David Daniels

The Distinct Role of P2Y12 Inhibitors and Aspirin

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

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

Insights From GLOBAL LEADERS and GLASSY
Lecturer: Pascal Vranckx

Insights From TWILIGHT
Lecturer: Usman Baber

Insights From STOP DAPT 2
Lecturer: Takeshi Kimura

Insights From SMART CHOICE
Lecturer: Joo Yong Hahn

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

Long Term Antithrombotic Therapy After PCI: How Do I Incorporate COMPASS Into My Practice
Lecturer: Robert C. Welsh

The Approach to the High Bleeding Risk Patient: The Dos and the Don'ts
Lecturer: Bernard R. Chevalier

Roundtable Discussion With Audience QA

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

PCI PHARMACOTHERAPY: PART 1

Case Introduction: DAPT Dilemma After a Complex PCI in a High Bleeding Risk Patient
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Loading Dose Statin Prior PCI: Is There a Role For It
Lecturer: Renato D. Lopes

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

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

LPA: Not So Little Anymore
Lecturer: Roberta Rossini

Tackling Inflammation: Novel Targets
Lecturer: Wolfgang Koenig

Novel Approaches in Diabetic Patients After PCI: Role of SGLT2 Inhibitors and Potent Antiplatelet Therapy THEMIS

Alternative Strategies for Secondary Prevention After PCI: Role of Lipid Management, Inflammation, and More
Moderators: Dominick J. Angiolillo, C. Michael GibsonDiscussants: Marc Bonaca, Francesco Franchi, Wolfgang Koenig, Ulf Landmesser, Renato D. Lopes, Roberta Rossini

Loading Dose Statin Prior PCI: Is There a Role For It
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INTRAVASCULAR IMAGING STENT GUIDANCE: PART 1 — THE BASICS

**Intravascular Imaging Stent Guidance: Part 1 — The Basics**

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

**Session I: Basics of IVUS and OCT-Guided Stent Implantation**
Moderators: Evelyn Regar, Giora 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 Shlofmitz

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-Echeverrri

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

**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: Krzysztof 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**
Lecturer: Jun Pu

3:44 PM
**Roundtable Discussion With Audience QA**

3:48 PM
**Identifying Entry Point Wire Course During CTO PCI**
Lecturer: Junqing Yang

3:55 PM
**Roundtable Discussion With Audience QA**
Lecturer: Brian K. Whisenant

3:20 PM Clinical Rationale for LAA Closure After AF Ablation
Lecturer: DJ Lakkireddy

3:27 PM LAA Closure in Patients With Prior Intracranial Hemorrhage
Lecturer: Jens Erik Nielsen-Kudsk

3:34 PM TAVR Followed by LAA Closure: Implications for Bleeding Stroke and HALT
Lecturer: Fabian Nietlispach

3:41 PM Epicardial LAAC to Reduce Atrial Fibrillation: AMAZE Rationale and Status
Lecturer: DJ Lakkireddy

3:48 PM Roundtable Discussion With Audience QA

TAVR INDICATIONS AND COMPLICATIONS

TAVR Indications and Complications

<table>
<thead>
<tr>
<th>Structural: Valve</th>
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THURSDAY, SEPTEMBER 26, 2019
2:00 PM - 6:10 PM
Room 155/157

2:00 PM - 2:50 PM
Session I: TAVR in Low Surgical Risk Patients
Moderators: Robert O. Bonow, Michael J. Mack
Discussants: G. Michael Deeb, Robert A. Guyton, Neal S. Kleiman, Allan Schwartz, Thomas Walther, Stephan Windecker

2:00 PM The Low Risk TAVR RCTs: Evidence Based Vignettes
2:08 PM Deep Dive: NEW Insights From the PARTNER 3 Trial
Lecturer: Martin B. Leon

2:16 PM Roundtable Discussion with Audience QA
2:20 PM PointCounterpoint: Provocative Views 1
2:20 PM Remaining Data Gaps After the Low Risk TAVR RCTs
Lecturer: Michael J. Reardon

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

2:36 PM Roundtable Discussion with Audience QA
2:40 PM Controversial Low Risk Case Presentation: A 60 Year Old Executive With Severe Symptomatic Aortic Stenosis Tri Leaflet Anatomy and No Co Morbidities Mechanical vs Bioprosthetic Valve  SAVR vs TAVR

2:40 PM Case Presentation
Case Presenter: Steven J. Yakubov

2:43 PM Roundtable Discussion with Audience QA

2:50 PM - 4:00 PM
Session II: Expanding Clinical Indications for TAVR
Moderators: Merilyn T. Holmes, Jeffrey J. Popma
Discussants: Gorav Ailawadi, Yaron Almagor, Isaac George, Kentaro Hayashida, Ran Kornowski, Mathew Williams

2:50 PM Making the Case for

EARLY TAVR for Severe Asymptomatic AS
2:50 PM Case Presentation
Case Presenter: Brad Oldemeyer

2:52 PM Rationale and Trial Updates
Lecturer: Philippe Genereux

3:00 PM Roundtable Discussion with Audience QA

TAVR for Bicuspid Aortic Valve Disease
3:04 PM Clinical Trial Updates Anatomic Considerations and Optimizing Procedural Outcomes
Lecturer: Raj Makkar

3:12 PM Anatomic Considerations and Optimizing Procedural Outcomes With Case Presentations
Lecturer: Stanley J. Chetcuti

3:20 PM Surgical Perspectives: Not So Fast We Need a Randomized Trial
Lecturer: Patrick M. McCarthy

3:26 PM Asian Perspectives: Balancing Age Prevalence Anatomy and Culture
Lecturer: Hasan Jilaihawi

3:34 PM Roundtable Discussion with Audience QA

TAVR in Moderate AS With Heart Failure
3:40 PM Case Presentation Rationale and UNLOAD Trial Updates
Lecturer: Nicolas M. Van Mieghem

3:48 PM Roundtable Discussion with Audience QA
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. Kapadia
Discussants: Michael Haude, Alexandra J. Lansky, Jonathon A. Leipsic, Axel Linke, Molly Szerlip, Jochen Wohrle

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

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

4:16 PM Roundtable Discussion with Audience QA

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 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
Moderators: Mayra Guerrero, Vinod H. Thourani
Discussants: Suzanne V. Arnold, Ali Farooq, Ariel Finkelstein, David G. Rizik, Molly Szerlip, Steven J. Yakubov

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 Hillick-Smith

5:37 PM Roundtable Discussion with Audience QA

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

5:47 PM Roundtable Discussion with Audience QA

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

5:57 PM Roundtable Discussion with Audience QA

6:00 PM TAVR With High Risk for Coronary Obstruction Low Coronaries and Effaced Sinuses: Case Presentation and Management Strategies How to Protect the Coronaries BASILICA etc.
Lecturer: John K. Forrest

6:07 PM Roundtable Discussion with Audience QA

THE LEFT MAIN AND BIFURCATION SUMMIT: PART 1

The Left Main and Bifurcation Summit: Part 1
Coronary: CHIP

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

2:00 PM - 2:44 PM Session I: Non-LM Bifurcation PCI — Understand the Lesion
Moderators: Goran Stankovic, Leif Thuesen
Discussants: Andrea Abizaid, Shao-Liang Chen, Javier Escaned, Miroslaw Ferenc, Bill D. Gogas, Hyeon-Cheol Gwon

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 When IVUS OCT Guidance is a Need: Highly Calcified Lesions and ACS
Lecturer: Francesco Prati

2:20 PM IVUS OCT Guidance of Non LM Bifurcation Stenting: When and How to Use it in Practice
Lecturer: Yoshinobu Onuma
How to Deal With Difficult Non Left Main Bifurcation Anatomies: Side Branch Access Techniques  
Lecturer: Philippe Garot

Roundtable Discussion With Audience QA

Physiologic Lesion Assessment and Interventional Planning: Part 1 — Current Controversies in Coronary Physiology

Pathophysiology of the Coronary Circulation in STEMI and NSTEMI  
Lecturer: William F. Fearon

Case 1: A Patient With STEMI and Multivessel Disease  
Case Presenter: Colin Berry

Roundtable Discussion With Audience QA

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

Roundtable Discussion With Audience QA

Is There a Role for Coronary Physiology in Patients Referred for CABG  
Lecturer: Petr Kala

Roundtable Discussion With Audience QA

Utility of Coronary Physiology Assessment in the Asymptomatic Patient  
Lecturer: Stephane Fournier

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

Roundtable Discussion With Audience QA

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

Roundtable Discussion With Audience QA

Assessment of Tandem Lesions and Diffuse Disease: How Physiology Helps in Procedural Planning  
Lecturer: Andrew Sharp

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
Vascular

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

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, Stefan Harb, Andrew J. Klein, Peter P. Monteleone

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

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

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

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

4:42 PM
Catheter Directed Therapy for Acute PE I: Indications Options Outcomes
Lecturer: Xhorlina Marko

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

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

5:12 PM
Roundtable Discussion With Audience QA

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

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

5:45 PM
Case 3: Interventional Treatment of Acute Pulmonary Emboli

STEMI, CARDIAC ARREST, AND CARDIOGENIC SHOCK: PART 1

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

4:00 PM - 5:00 PM
Session I: STEMI Challenges in 2019
Moderators: Timothy D. Henry, E. Magnus Ohman
Discussants: David A. Cox, Suzanne de Waha-Thiele, Kelly C. Epps, Dipti Itchhaporia, Sameer Mehta, Binita Shah

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

4:07 PM
A Woman's Perspective: Minoca SCAD Takotsubo etc.
Lecturer: Jacqueline Saw

4:14 PM
Get With the Guidelines: Delay 120 min. ED Bypass Registries Public Reporting etc.
Lecturer: Timothy D. Henry

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

4:28 PM
Infarct Size Reduction: From the First FDA Approved Therapy SS02 to Novel Approaches
Lecturer: Gregg W. Stone

4:35 PM
LV Unloading to Reduce Infarct Size: Rationale Completed Studies and Ongoing Trials
Lecturer: Navin K. Kapur

4:52 PM
Roundtable Discussion With Audience QA

5:00 PM - 6:00 PM
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
Debate 1: The Hub and Spoke Model for STEMI Cardiogenic Shock Cardiac Arrest
Pro: The Only Way to Go
Lecturer: Tanveer Rab
Con: The Battle Is Won at the Front Line
Lecturer: William J. French

Roundtable Discussion With Audience QA
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

Innovation

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

TCT Shark Tank Innovation Competition
Moderators: Louis Aaron Cannon, Juan F. Granada
Judges: Milena Adamian, Daniel Burkhoff, Andrew Cleeland, Peter J.J. Fitzgerald, Frank Litvack, Stanton J. Rowe, Robert S. Schwartz, Mark A. Turco, Paul G. Yock

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 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 Avicina Vivo
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

TCT Innovation IV: Global Perspectives in MedTech Innovation II and Digital Healthcare

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

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

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
4:04 PM  Moderated Panel Discussion

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

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. Krucoff, 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  Industriys 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. HahnDiscussants: 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

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

8:25 AM - 9:00 AM  
Session II: Case 1 — A Staged PCI Case of Complex LAD/OD Bifurcation Lesion After Suboptimal Primary PCI for STEMI  
Moderators: Shao-Liang Chen, Gregg W. Stone, Alan C. Yeung  
Discussants: Haibo Jia, Chunguang Qiu, Tanveer Rab, Imad Sheiban

8:25 AM  
Case Introduction  
Case Presenter: Li Li

8:29 AM  
How Would I Treat  
Lecturer: Ning Guo

8:33 AM  
How Would I Treat  
Lecturer: Bill D. Gogas

8:37 AM  
How Would I Treat  
Lecturer: Yong Zeng

8:41 AM  
Roundtable Discussion With Audience QA

8:49 AM  
Case Resolution: How Did I Treat This Case  
Lecturer: Li Li

8:57 AM  
Final Discussion and Take Home Messages

9:00 AM - 9:10 AM  
Session III: Keynote Lecture 2 — Intracoronary Imaging Guidance for High-Risk PCI

9:00 AM  
Keynote Lecture 2: Intracoronary Imaging Guidance for High Risk PCI  
Lecturer: Junjie Zhang

9:10 AM - 9:45 AM  
Session IV: Case 2 — A Complex LAD CTO  
Moderators: Shao-Liang Chen, Alan C. Yeung  
Discussants: Haibo Jia, Chunguang Qiu, Tanveer Rab, Imad Sheiban, Fei Ye

9:10 AM  
Case Introduction  
Case Presenter: Pengcheng He

9:14 AM  
How Would I Treat  
Lecturer: Jun Pu

9:18 AM  
How Would I Treat  
Lecturer: YONG HE

9:22 AM  
How Would I Treat  
Lecturer: Qi Zhang

9:26 AM  
Roundtable Discussion With Audience QA

9:34 AM  
Case Resolution: How Did I Treat This Case  
Case Presenter: Pengcheng He

9:42 AM  
Final Discussion and Take Home Messages

HARMONIZATION BY DOING: NEW HORIZONS IN JAPAN-US SYNERGIES

Harmonization by Doing: New Horizons in Japan-US Synergies
Innovation

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: Neale 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 Iwaishi  
Discussants: 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  
Panelists: 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  
Session II: Safety Signal Discernment With Paclitaxel Devices for PAD — From RCT and RWE to the Totality of the Data as a Global Challenge for “Doing”  
Moderators: Hiroyoshi Yokoi, Bram D. Zuckerman  
Discussants: Masato Nakamura, Roseann M. White

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
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  Current Approach to Promote Development of Pediatric Medical Devices in the US and Japan
Lecturer: Sara Takahashi

1:50 PM  Expectation For Utilizing Registry Data For Regulatory Use
Lecturer: Kazuaki Sekiguchi

2:00 PM  Expectation For Utilizing Registry Data for Regulatory Use
Lecturer: Sung-Hae Kim

2:10 PM  Panel Discussion

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

4:20 PM  Study Design Considerations for HBR Patients and DES Platforms: FDA View
Lecturer: Adrian Magee

4:30 PM  Study Design Considerations for HBR Patients in Japan
Lecturer: Yasuko Nakamura

4:40 PM  Panel Discussion: Are We Ready for Global HBR Studies

SCAI ELM

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

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, Srihari S. Naidu

2:15 PM  Presentation of Case Study
Case Presenter: Eric A. Osborn

2:35 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
3:35 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

5:10 pm  CLI Vascular Team: IC Perspective  
Lecturer: Christopher J. White

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

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  
4:00 pm - 5:25 pm  
Room 203

4:00 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

4:22 pm  Case 3: Same Strategy With or Without OCT in ISR  
Case Presenter: Colm Hanratty

4:29 pm  Roundtable Discussion With Audience QA

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, Sahil A. Parikh, Yoshimitsu Soga, Makoto Utsunomiya

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 Saga

2:45 pm  Roundtable Discussion With Audience QA

2:52 pm  New Crossing Techniques for Complex Femoropopliteal Disease  
Lecturer: Makoto Utsunomiya

2:59 pm  Roundtable Discussion With Audience QA

3:06 pm  Optimal Vessel Preparation Evaluated by Multimodality Imaging: Results From IGNITE  
Lecturer: Masahiko Fujihara

3:13 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

3:20 pm  Roundtable Discussion With Audience QA
INTERNATIONAL COMPLEX CASE SESSION I: FEATURED STRUCTURAL HEART DISEASE CASES

International Complex Case Session I: Featured Structural Heart Disease Cases
Structural: Non-Valve
Structural: Valve

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

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

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

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

8:45 am
Roundtable Discussion With Audience QA

8:53 am
Argentina Presents: Percutaneous Transcatheter Closure of Prosthetic Mitral Paravalvular Leak
Case Presenter: Anibal A. Damonte

9:03 am
Roundtable Discussion With Audience QA

INTERNATIONAL COMPLEX CASE SESSION II: FEATURED COMPLEX CORONARY CASES

International Complex Case Session II: Featured Complex Coronary Cases
Coronary: Core
Coronary: 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 Khaldaou, 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
Case Presenter: Jochen Wohrle

3:00 pm
Roundtable Discussion With Audience QA
INTERNATIONAL COMPLEX CASE SESSION III: FEATURED STRUCTURAL HEART DISEASE CASES

International Complex Case Session III: Featured Structural Heart Disease Cases
Structural: Non-Valve Structural: Valve

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

4:00 PM - 5:30 PM
Featured Structural Heart Disease Cases
Moderators: Oscar A. Mendiz, Armando Perez de Prado
Discussants: 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
Case Presenter: Pedro De Araujo Goncalves

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)

Controversies in SFA Intervention (Sponsored by CRF; Supported by Medtronic and WL Gore & Associates)

THURSDAY, SEPTEMBER 26, 2019
6:30 AM - 7:45 AM
Room 209-210
Chairs: Michael R. Jaff, Sahil A. Parikh
Faculty: Ehrin J. Armstrong, Juan F. Granada, Konstantinos Katsanos, Mehdi H. Shishehbor, Frank J. Veith

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

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

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
INNOVATIVE 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
Chairs: Morton J. Kern, Joost Daemen, Michael J. Lim, Matthew J. Price, Adam Stys

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

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
Keeping the Rhythm with the Tempo® Lead: Safety, Stability, and Cost-Effectiveness for TAVR and Other Cardiac Procedures
Chairs: Stanley J. ChetcutiFaculty: Daniel S. Menees, Tamim M. Nazif, Carlos E. Sanchez

6:45 AM The Tempo Lead: A New Standard of Care in Temporary Pacing
Presenter: Tamim M. Nazif

6:55 AM Enabling Early TAVR Patient Ambulation Outside the ICU with the Tempo Lead
Presenter: Stanley J. Chetcuti

7:05 AM Placement Demonstrations With Transvenous Models and Fluoroscopic Examples QA
Presenter: Daniel S. Menees, Tamim M. Nazif, Carlos E. Sanchez

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
Chairs: Steven Goldberg, Eberhard Grube, Martin B. LeonFaculty: Samir R. Kapadia, Matthias Lutz, Horst Sievert, Ralph Stephan von Bardeleben

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

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

6:45 AM - 7:45 AM
SuperSaturated Oxygen in STEMI to Reduce Infarct Size: A New FDA-Approved Therapy
Chairs: Gregg W. Stone
Faculty: Suzanne de Waha-Thiele, E. Magnus Ohman, Richard A. Schatz, James Spears

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
Chairs: Dean J. Kereiakes
Faculty: Robert A. Byrne, Juan F. Granada, David E. Kandzari

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.)

Treating 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
Treating the Complex Patients: Impella Enabled Complete Revascularization
Chairs: William W. O’Neill
Faculty: Ehtisham Mahmud, Rajan A. Patel, Jeffrey J. Popma

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**

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

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

11:30 AM  **Using Mega Data to Understand Tricuspid Valve Disease**  
**Lecturer:** Maurice E. Sarano

11:40 AM  **What Do We Really Know About Transcatheter Tricuspid Intervention**  
**Lecturer:** Francesco Maisano

11:50 AM  **The Surgeons Perspective of TR Treatment: Advantages of Transcatheter Therapy**  
**Lecturer:** Robert L. Smith

12:00 PM  **Annular Reduction and 3D ICE**  
**Lecturer:** Charles J. Davidson

12:10 PM  **Other Transcatheter Approaches to TR Reduction: Spacer Leaflet Grasping and Tricuspid Valve Replacement**  
**Lecturer:** Susheel K. Kodali

12:20 PM  **Focused Discussion: How Do We Best Apply the Tricuspid Toolbox and What Is the Right Timing for Transcatheter Intervention**

### 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**  
**Presenter:** Barry F. Uretsky

### 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**
**11:30 AM - 12:30 PM**
**Presentation Theater 1**

11:30 AM  **Coronary Physiology: From Diagnosis to Treatment Confirmation**  
**Presenter:** Jung-Min Ahn

11:40 AM  **Case Based Discussion: Rely on Simplicity for Complex PCI with Second Generation Fiber Optic**  
**Presenter:** Evan Shlofmitz

12:20 PM  **Focused Discussion: How Do We Best Apply the Tricuspid Toolbox and What Is the Right Timing for Transcatheter Intervention**
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 - 2:00 PM
Chairs: Martin B. Leon, Vinod H. Thourani
Faculty: Megan Coylewright, Philippe Genereux, Linda D. Gillam, Sandra Lauck, Tamim M. Nazif, Amisha Patel

1:00 PM
PARTNER 3 Changes Everything Implications of TAVR as a First Choice Therapy for Aortic Stenosis
Case Presentation: Low Risk AS
Case Presenter: Amisha Patel

1:05 PM
Discussion: TAVR vs. Surgery
Discussant: Megan Coylewright

1:15 PM
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

1:00 PM - 2:00 PM
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
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

1:00 PM - 2:00 PM
Tailoring Transcatheter Mitral Solutions for Patients with Mitral Regurgitation (Sponsored by Abbott)

Tailoring Transcatheter Mitral Solutions for Patients with Mitral Regurgitation (Sponsored by Abbott)

THURSDAY, SEPTEMBER 26, 2019
1:00 PM - 2:00 PM
Presentation Theater 3

1:00 PM
Introduction
Presenter: Saibal Kar

1:05 PM
Understanding the EXPAND Registry
Presenter: Saibal Kar, Francesco Maisano, Ralph Stephan von Bardeleben

1:25 PM
COAPT Subgroup Analysis
SUMMIT Trial Re design: Generating the Clinical Evidence for Tailored TMV Therapy
Presenter: Gorav Ailawadi, Vinay Badhwar, Jason H. Rogers

TRANSFORMING DCB STRATEGY: SIROLIMUS-COATED BALLOON WITH NANOLUTE TECHNOLOGY (SPONSORED BY CONCEPT MEDICAL, INC.)

Transforming DCB Strategy: Sirolimus-Coated Balloon With Nanolute Technology (Sponsored by Concept Medical, Inc.)

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

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

1:08 PM Why SEB Should Be Safer: Insights From Preclinical Study
Presenter: Alok 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 Basavarajiah

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

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

6:30 PM - 8:00 PM
Advanced Diagnostic Insight, Precise Patient Care

6:30 PM Welcome and Introduction
Presenter: Gregg W. Stone

6:35 PM Overview of the HeartFlow Analysis
Presenter: Carlos I. Mena-Hurtado

6:50 PM Discussion

6:55 PM A Perspective From the UK: The Current Landscape and Future Direction
Presenter: Nick Curzen

7:10 PM Discussion

7:15 PM The HeartFlow Planner: Potential Impact on Coronary Intervention
Presenter: Robert D. Safian

7:30 PM Discussion

7:35 PM Insights into the PRECISE Randomized Clinical Trial
Presenter: Sreekanth Vemulapalli

7:45 PM Discussion

7:50 PM Moderated Discussion and Closing
Moderators: Gregg W. Stone
Discussants: Nick Curzen, Carlos I. Mena-Hurtado, Robert D. Safian, Sreekanth Vemulapalli
6:30 PM - 8:00 PM  
**Assessing the Role of Monotherapy vs. Dual Therapy**  
Chairs: C. Michael Gibson, Roxana Mehran  
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

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

7:45 PM  QA Session

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**THE TEAM APPROACH TO CARDIAC ARREST**  
(Sponsored by TandemLife and LivaNova)

**The Team Approach to Cardiac Arrest (Sponsored by TandemLife and LivaNova)**

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

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

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

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

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**CHALLENGING CASES 1**

**Challenging Cases 1**  
Structural: Non-Valve  
Coronary: Core  
Coronary: CHIP  
Vascular

**THURSDAY, SEPTEMBER 26, 2019**  
9:15 AM - 10:45 AM  
Hall D

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 lesion using a novel 0.03 inch semi-compliant balloon and rotational atherectomy  
Presenting Author: Daisuke Terashita

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

9:15 AM  TCT 1004: Rotational atherectomy 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 atherectomy for severely tortuous and calcified lesion wit double courves in the left circumflex artery using a 5F child catheter.
TCT 1007: USE OF NOVEL HIGH PRESSURE NC BALLOON FOR CALCIFIC LESIONS
Presenting Author: Sachin T. Hundekari

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

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

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

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: Yamaazaki Seiji

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

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

TCT 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 pulmonaryvasculatoures in unstable angina. 1 year follow up.
Presenting Author: Bartomiej Guzik

TCT 1021: Treatment of undereexpanded coronary stent 3 years after implantation
Presenting Author: Ryo Oyama

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: Debapriya Das

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

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

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 Elfaramawy

TCT 1031: Challenging Revascularisation of A Subtotal StenosisThe 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
Presenting Author: Bartomiej Guzik
9:15 am - 10:45 am

Endovascular I
Discussant: Teresa L. Carman, Alejandro Cherro, Daniel G. Clair, Steve Henao, Khusrow Niazi

9:15 am
TCT 1039: Renal artery stenting. To whom it can concern
Presenting Author: Inna Khayyanova

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

9:15 am - 10:45 am

Structural I
Discussant: Amr E. Abbas, Y. S. Chandrashekhar, Marek Grygier, Vivek Gupta, Simon Cheung-chi Lam, Vincent J. Pompili

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

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

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

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

9:15 am
TCT 1045: Transcatheter implantation of the Tricento valve for severe tricuspid regurgitation Advanced intraprocedural imaging in a challenging structural case
Presenting Author: 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 Debulting of a Bioprosthetic Tricuspid Valve Endocarditis
Presenting Author: Amir Eslami

9:15 am
TCT 1051: Left atrial appendage closure in a patient with cor triatriatum
Presenting Author: 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

Presenting Author: Yuxiang Dai

9:15 am
TCT 1684: Total Bilateral Coronary Artery Occlusion: Impella to the Rescue
Presenting Author: Enrique Campos

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

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

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

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

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

9:15 am
TCT 1061: 87 years old female planned for valve in valve TAVI procedure
Presenting Author: Christian Roqueyol

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 toDirect 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
Presenting Author: Cristiano Guedes Bezerra

9:15 am
TCT 1417: Coronary artery obstruction caused by contained annulus ruptureafter transcatheter aortic valve replacement
Presenting Author: Hirofumi Hioki

9:15 am
TCT 1270: Double Valve: Transapical TAVR and Mitral Valve in Valve in a Patient with HIT Using Bivarudin
Presenting Author: Nicholas J. Ruggiero II, M.D., FACP, FACC, FSCAI, FSVM, FCPP
THURSDAY, SEPTEMBER 26, 2019
2:00 PM - 3:30 PM
Coronary IV

TCT 1068: SSO2 Therapy STEMI Case Studies
Presenting Author: Amir Lotfi

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

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

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

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

TCT 1074: Left main coronary artery thrombosis with acuteglobal myocardial ischemia: a challenge in patient management
Presenting Author: Guenter Klappacher

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

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

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

TCT 1078: Left Main V Stenting during Primary PTCA
2:00 pm - 3:30 pm  
**Coronary VI**  
Discussant: Dmitry P. Stolyarov, Nadia R. Sutton, Ernesto M. Torresani, Freek Verheugt, George J. Vlachojannis, Zhao Wang, Mark W.I. Webster, Hadley Wilson, Junqing Yang, Wei-Hsian Yin, Alexandre C. Zago

2:00 pm  
**TCT 1098: Two culprit vessels a case of primary PCI in STEMI**  
Presenting Author: LJ ZHOU

2:00 pm  
**TCT 1100: Ultrasound guided vascular access**  
Presenting Author: Ahmed Amro

2:00 pm  
**TCT 1101: Use of VCD for Faster and Safer Ambulation: A Case**  
Presenting Author: KMK Reddy

2:00 pm  
**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

2:00 pm  
**TCT 1104: Successful intravascular ultrasongramIVUS guided percutaneous coronary interventionPCI for intramural hematoma in left main stem followed by stenting in proximal and mid left anterior descending arteryLAD in patient with multivessel disease**  
Presenting Author: Seung Uk Lee

2:00 pm  
**TCT 1105: Radial Access and CHIP Are They Compatible**  
Presenting Author: Shahela Nasrin

2:00 pm  
**TCT 1106: Extracorporeal Membrane Oxygenation Assisted Left Main Percutaneous Coronary Intervention in a High risk patient**  
Presenting Author: Shahrurk Hashmani

2:00 pm  
**TCT 1107: Intervention of Hemodynamically significant stenosis of a diffusely diseased coronary artery not amenable to bypass surgery**  
Presenting Author: Shareez Peerbhai, MD

2:00 pm  
**TCT 1108: IVUS and Calcification Guided PCI With Minimal Contrast For LMT and LAD Lesions**  
Presenting Author: Shinichiro Yamada

2:00 pm  
**TCT 1110: Complete revascularization with three PCI sessions could bail the patient out of critical situation The case report**

2:00 pm - 3:30 pm  
**Endovascular II**  
Discussant: Abdullah Shehab, Joao Brun Silveira, Ramesh Singh, Bradley H. Strauss, Holger Thiele, Daniela Trabattoni, Yasunori Ueda, Glenn Van Langenhove

2:00 pm  
**TCT 1103: Iliopsoas muscle pseudoaneurysm following Impella supported left main PCI in patient with cardiogenic shock**  
Presenting Author: Zoran Lasic

2:00 pm  
**TCT 1166: When all hope vanishes an archaic procedure revisited**  
Presenting Author: Abraham Paul

2:00 pm  
**TCT 1167: 3D fusion guided endovascular repair of iatrogenic common iliac artery aneurysm**  
Presenting Author: Anton Khilchuk

2:00 pm  
**TCT 1168: TRANSCATHETER DEVICE CLOSURE OF LARGE SINUS OF VALSALVA ANEURYSM WITH STORMY POSTOPERATIVE PERIOD.**  
Presenting Author: ATUL PATIL

2:00 pm  
**TCT 1169: Percutaneous Revasculization of occluded abdominal aorta and bilateral iliac disease.**  
Presenting Author: Christos Christou

2:00 pm  
**TCT 1170: VANISHING GRADIENTS AN UNUSUAL CASE OF TEVAR IN A YOUNG MALE WITH COARCTATION OF AORTA WITH THORACIC SACULAR ANEURYSM WITH HFREF.**  
Presenting Author: DHEERAJ GANDOTRA

2:00 pm  
**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

2:00 pm  
**TCT 1172: Traumatic aortic pseudoaneurysm intervention with an endovascular graft Should we or should we not**  
Presenting Author: GURBHEI SINGH

2:00 pm  
**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

2:00 pm  
**TCT 1174: Percutaneous Exclusion of A Giant Ascending Aortic Pseudoaneurysm**  
Presenting Author: Shota Naniwa

2:00 pm  
**TCT 1175: Endovascular repair of tandem saccular abdominal aortic aneurysms with fenestrated endografts amp treatment of complications at follow up.**
**Coronary VII**

2:00 PM - 3:30 PM

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

**TCT 1115: Between a rock and a hard place**
Presenting Author: Satnam Singh

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

**TCT 1117: DEFORMED STENT FOLLOWUP**
Presenting Author: Subburaja T

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

**TCT 1119: A Stubborn Undilatable CTO**
Presenting Author: Suleman Muhammad

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

**TCT 1122: P.PCI followed by Bifurcation Lesion Treated with DK Crush**
Presenting Author: Tawfia Shahriar Hua

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

**TCT 1124: WHICH IS MAIN BRANCH IN LEFT MAIN BIFURCATION STENTING**
Presenting Author: Vasudeva Chetty PakaLa

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

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

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**Coronary VIII**

Discussant: Aakriti Gupta, Spencer B. King III, Prathap Kumar, Jens Flensted Lassen, Faisal Latif, Shahar Lavi, David P. Lee, Amir Lerman, Chunjian Li, Amir Lotfi, Jianfong Luo, Matthias Lutz, Sara C. Martinez, Nish Patel, Jan J. Piek, Sunil V. Rao

2:00 PM

**TCT 1130: MULTIPLE UNEXPECTED TRAGITIES TO TACKLE IN SINGLE INTERVENTION**
Presenting Author: Bhavira Ramkumar

2:00 PM

**TCT 1131: Bail Out of A Disaster by A Broken Stent Delivery Catheter Stuck in Proximal Left Anterior Coronary Artery**
Presenting Author: Bong-Ki Lee

2:00 PM

**TCT 1132: Tackling a tight loop in right brachial artery: A nightmare**
Presenting Author: C M Shaheen Kabir

2:00 PM

**TCT 1133: Broken Wire Retrieve During RCA CTO Recanalization**
Presenting Author: Cheng-Yen Chuang

2:00 PM

**TCT 1134: Management of a complication during Rotational Atherectomy**
Presenting Author: Christian Backhouse

2:00 PM

**TCT 1135: How long can a stent be or how long can a stent be stretched**
Presenting Author: Davide Sala

2:00 PM

**TCT 1136: Longitudinal stent compression of proximal RCA**
Presenting Author: Dhinesh David

2:00 PM

**TCT 1137: Making a brand new start of the last occluded artery**
Presenting Author: Dmitriy Ognerubov

2:00 PM

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

2:00 PM

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

2:00 PM

**TCT 1141: A Case of Stent Deployment into an Iatrogenic Dissection**
Presenting Author: Fiorella Llanos-CheA

2:00 PM

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

2:00 PM

**TCT 1330: Emergent Distal Vessel Re entry Technique for Iatrogenic Coronary Artery Dissection**
Presenting Author: Anthony Ea
2:00 – 3:30 pm
Coronary IX
Discussant: Mauro Carlino, Angela Hoye, Adam Janas, Michael C. Kim, Lloyd W. Klein, Bernardo Kremer Diniz Gonçalves, Sampath Kumar, Joo Myung Lee

2:00 pm
TCT 1144: Involuntary Grendolopasty during calcific LAD PCI resulting in Intramural Hematoma of trifurcated Left Main
Presenting Author: Francesco Lavarra

2:00 pm
TCT 1146: A novel approach for percutaneous retrieval of entrapped broken balloon catheter
Presenting Author: Gelli Abdalla

2:00 pm
TCT 1147: Case report Complication
Presenting Author: Georigos Triantis

2:00 pm
TCT 1148: Coronary Atherectomy Perforation Loss of Pulsatile Arterial Flow and Successful Percutaneous Treatment: When Impella Support Prevents Catastrophe
Presenting Author: Graham Peigh

2:00 pm
TCT 1149: Successful retrieval of a migrated coronary stent floating in the ascending aorta
Presenting Author: Hyunsu Kim

2:00 pm
TCT 1150: Stent dislodge during right coronary artery intervention
Presenting Author: I Made Junior Rina Artha

2:00 pm
TCT 1160: Superior vena cav SVC syndrome jailed away
Presenting Author: Amir Naderi

2:00 pm
TCT 1159: Complex revascularization of the superior mesenteric artery and right coronary artery thromboembolism from a bioprosthetic aortic valve in a patient presenting with simultaneous acute mesenteric ischemia and myocardial infarction
Presenting Author: Amir Naderi

2:00 pm
TCT 1161: Endovascular extraction of hepatocellular carcinoma tumor thrombus in the inferior vena cava and right atrium by AngioVac aspiration device
Presenting Author: Jason Wen

2:00 pm
TCT 1162: Restoring valve competency with mechanical thrombectomy for deep vein thrombosis
Presenting Author: Thomas M. Tu

2:00 pm
TCT 1170: Ad Hoc Retrograde LAD CTO Bifurcation Revascularization in a Patient with NSTEMI
Presenting Author: Anna Subramaniam

2:00 pm - 3:30 pm
Structural III
Discussant: Peter C. Block, Matijaz Bunc, Saib Khogali, Jamie Kim, Antoine Lafont, Jonathan A. Leipsic, Reginald J. Low, Issam D. Moussa, Christoph A. Nienaber, Mark Osten, Jai-Wun Park, Ruth M. Starzyk, Daniel H. Steinberg, S. Chiu Wong

2:00 pm
TCT 1157: A Series of FFR Complications
Presenting Author: John Lawrence

2:00 pm
TCT 1158: Involuntary Grendolopasty during calcific LAD PCI resulting in Intramural Hematoma of trifurcated Left Main
Presenting Author: Francisco Lavarra

2:00 pm
TCT 1161: Endovascular extraction of hepatocellular carcinoma tumor thrombus in the inferior vena cava and right atrium by AngioVac aspiration device
Presenting Author: Jason Wen

2:00 pm
TCT 1162: Restoring valve competency with mechanical thrombectomy for deep vein thrombosis
Presenting Author: Thomas M. Tu

2:00 pm
TCT 1164: Bailout procedure may be the only option for patient survival in critical situations
Presenting Author: Tamer Elashkar

2:00 pm
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

2:00 pm
TCT 1179: First Case Report of the Cordella PA Pressure Sensor Implant Procedure
Presenting Author: Faisal Sharif

2:00 pm
TCT 1056: Valve in Valve with Allegra Device and Left Main Stent: To Deliver or Not to Deliver.
Presenting Author: Ariana Gonzálvez

2:00 pm
TCT 1181: Veno arterial pulmonary connection as an alternative to veno venous connection in cases with North South Syndrome and right ventricular failure on veno arterial ECMO
Presenting Author: Konstantinos Kalogeras

2:00 pm
TCT 1182: FROM WEANING TO WINNING
Presenting Author: MARIA MONTEAGUDO VELA

2:00 pm
TCT 1183: External Compression of an LVAD Outflow Graft: Percutaneous Management
Presenting Author: David Cohen

2:00 pm
TCT 1184: Persistenceand distortion of electrical activity in the left atrial appendage five years after endovascular occlusion
Presenting Author: Anna Subramaniam

2:00 pm
TCT 1185: Involuntary Grendolopasty during calcific LAD PCI resulting in Intramural Hematoma of trifurcated Left Main
Presenting Author: Francesco Lavarra

2:00 pm
TCT 1186: Superior vena cav SVC syndrome jailed away
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2:00 pm
TCT 1194: Persistenceand distortion of electrical activity in the left atrial appendage five years after endovascular occlusion
Presenting Author: Anna Subramaniam
**Presenting Author: Rohit Kharbanda**

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: saifwan 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: Han Yoon

**2:00 PM**

TCT 1187: Successful bailout of ventricular septal defect after transcatheter aortic valve implantation by a second prosthesis valve implantation

Presenting Author: Kazuma 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 Bossory

**2:00 PM**

TCT 1193: Old meets new Valve in valve TAVI for the Enable dysfunction first in human sutureless aortic 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 Enríquez

**2:00 PM**

TCT 1197: TransseptalValve in valve IVTranscatheter Aortic Valve Replacement TAVR followedby Bioprosthetic Valve Fracture

Presenting Author: Markus Florian Krackhardt

**2:00 PM**

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

Presenting Author: Marvin Kajy

**2:00 PM**

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

Presenting Author: David G. Rizik

**2:00 PM**

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

Presenting Author: Elvis Cami

**2:00 PM**

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

Presenting Author: Geoffrey Bergman

**2:00 PM**


Presenting Author: Guillaume Leurent

**2:00 PM**

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

Presenting Author: Hiroki Nikura

**2:00 PM**

TCT 1204: Balloon Mitral Valvuloplasty for High Risk Post SAVRTricuspid ValvePlasty Patient

Presenting Author: Hirotsugu Mitsuhashi

**2:00 PM**

TCT 1205: Antegrade LAMPOON to facilitate TMVR

Presenting Author: John Cyril Lisko DUPE

**2:00 PM**


Presenting Author: Yee Sen Chan Wah Hak

**2:00 PM**

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

Presenting Author: Jorge Guareña

**2:00 PM**

TCT 1209: treatment of paravalvular leak of mechanical mitral valve via apical approach after failure of doing intraatrial septum puncture due to very thick ias as patient had 5th valve redos so percutaneous direct apical puncture under xray guidance

Presenting Author: khalid osman

**2:00 PM**

TCT 1636: How to bailout valve embolization during transcatheter aortic valve replacement

Presenting Author: Nozomu Yukimitsu

**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: Sido 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 Mallipedi

9:15 AM - 10:45 AM
Coronary II
Discussant: Tiziana Claudia Aranzulla, Sukhdeep SinghBasra, OtavioBerwanger, Patricia J. Best, PrathapKumar

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: Khao Nguyen Dong Le

9:15 AM
TCT 857: Interaction between choice of anticoagulation antiplatelet 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 Provisional 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: Shunssuke 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 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 Hoye, John J. Lopez, Jamil Abdalla Saad

9:15 AM
TCT 867: 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 Artery Bypass Graft Among Human Immunodeficiency Virus Infected Patients with Multi vessel Coronary Artery Disease
Presenting Author: Toshihiko Kishida

9:15 AM - 10:45 AM
Coronary V
Discussant: Ranil De Silva, Walter Desmet, Nabil Dib, Amir Lerman, Philip A. MacCarty, Ayman Abou El Magd, Julian Strange
6:00 AM - 9:15 AM
Coronary VI
Discussant: Jose Guillermo Diez, Christophe Dubois, Yutaka Hikichi, Adam Janas, Bernardo Kremer Diniz Gonçalves, Bradley H. Strauss

6:00 AM
TCT 874: Improving Outcomes in Women with Cardiogenic Shock: Results from the INOVA Shock Registry
Presenting Author: Kelly C. Epps

6:00 AM
TCT 875: Potential Benefit of Early Impella support in Acute Myocardial Infarction complicated by Cardiogenic Shock
Presenting Author: Veemal Hemrajd

6:00 AM
TCT 876: De Ritis ratio are associated with death in the intensive care unit after cardiac arrest
Presenting Author: Zheng Ri Lu

6:00 AM
TCT 877: Clinical indications of Impella short term mechanical circulatory support in a quaternary centre.
Presenting Author: MARIA MONTEAGUDO VELA

6:00 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

6:00 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 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 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 Ultra Thin Anterior Descending Coronary Artery Lesions with Drug Eluting Stents
Presenting Author: Ahmed Elghamaz

9:15 AM
TCT 893: Safety and Performance of Polymer Free Biolimus A9 Eluting Stents: One year Results From the SMART DATE Randomized Trial
Presenting Author: Ashok Thakkar

9:15 AM
TCT 894: Relationship between technical characteristics of drug eluting stent and clinical events: insight from meta regression analysis comprising 43 randomized controlled trials
Presenting Author: Akira Saito

9:15 AM
TCT 895: Twenty year trends in clinical outcome of randomized controlled trial for coronary intervention: systematic review and meta regression analysis of 46 trials
Presenting Author: Taku Asano

9:15 AM
TCT 896: The impact of the completeness of percutaneous coronary revascularization on mid term outcome. An emergent country experience.
Presenting Author: Marouane Boukhris

9:15 AM
TCT 897: Transcatheter Aortic Valve Replacement in Low risk Patients: a Meta analysis of Randomized Controlled Trials
Presenting Author: Ahmad Al-Abdouh

9:15 AM
TCT 900: Quantification of True Lumen Helicity in Type B Dissections
Presenting Author: Johan Bondesson

9:15 AM
TCT 916: The Late Response to Renal Denervation in Patients With Suspected Secondary Aldosteronism
Presenting Author: Ying-Hsiang Lee

9:15 AM
TCT 917: In hospital Outcomes and Trends of Intra aortic Balloon Pump and Percutaneous Ventricular Assist Device Use in Patients with Peripheral Artery Disease
Presenting Author: Homam Moussa Pacha

9:15 AM
TCT 918: MicroNET Covered Self Expandable STent in High Risk Vascular Lesions Beyond The cArotid bifurcation: TheEXTRA GUARD Study
Structural IV
Discussant: Jonathan A. Leipsic, Hidetaka Nishina, Henrique B. Ribeiro, Alok Sharma

9:15 am - 10:45 am
TCT 910: The MitraClip Procedure
Presenting Author: Ariana González

9:15 am - 10:45 am
TCT 911: Comparison of Clinical Events of Two New Generation Supra annular Self expanding Transcatheter Aortic Valves Allegra versus ACURATE neo.
Presenting Author: Harol Hernandez

9:15 am - 10:45 am
TCT 912: Prognostic Impact of the Clinical Frailty Scale after Balloon Aortic Valvuloplasty
Presenting Author: TOMOYO HAMANA

9:15 am - 10:45 am
TCT 913: Experience of Implantation of New Generation Self expandable Transcatheter Aortic Valve Implantation in Patients with Low Surgical Risk.
Presenting Author: Harol Hernandez

9:15 am - 10:45 am
TCT 914: In TAVI the Less Antibiotics the Best
Presenting Author: Ioannis Iakovou

9:15 am - 10:45 am
TCT 915: Optimal Sizing Algorithm using Multidetector Computed Tomography for Transcatheter Aortic Valve Replacement with the SAPIEN 3 valve.
Presenting Author: Da-Yoon Kang

9:15 am - 10:45 am
TCT 916: 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 - 10:45 am
TCT 917: Balloon pulmonary angioplasty for patients with symptomatic chronic thromboembolic disease without pulmonary hypertension
Presenting Author: Yoichiro Matsuoka

9:15 am - 10:45 am
TCT 918: Incidence Clinical Correlates Timing of Occurrence and Consequences of Acute Thrombus Formation in Patients Undergoing The MitraClip Procedure
Presenting Author: Jaroslaw Skowroński

NOW THAT I SEE IT, I KNOW HOW TO TREAT IT!: A HANDS-ON OCT SKILLS LAB
Transcatheter Valve Therapy | Thursday, September 26, 2019

**Physiology Simplified: A Hands-On RFR Skills Lab**

**Coronary: Core**

**THURSDAY, SEPTEMBER 26, 2019**

8:00 AM - 11:30 AM
Abbott Pavilion

8:00 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**

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**Now That I See It, I Know How To Treat It!: A Hands-On OCT Skills Lab**

**Coronary: Core**

**THURSDAY, SEPTEMBER 26, 2019**

8:00 AM - 9:30 AM
Abbott Pavilion

8:00 AM - 8:20 AM
**OCT: Now That I See It — Presentation**


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**Large-Bore Access To Close: What You Want (and Need) To Know**

**Structural: Valve/Vascular**

**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, Rajiv Tayal

12:20 PM - 1:30 PM
**Hands-On Device Deployment**

Training Pavilion Faculty: Adhir Shroff, Rajiv Tayal

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**Now That I See It, I Know How To Treat It!: A Hands-On OCT Skills Lab**

**Coronary: Core**

**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

2:20 PM
**Virtual Reality: Interactive OCT Session**
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

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

Structural: Non-Valve

THURSDAY, SEPTEMBER 26, 2019
2:00 PM - 3:30 PM
Boston Scientific Pavilion

Hands On Rotations

TAVR FOUNDATIONS FOR THE NEW-TO-TAVR IMPLANTER

Structural: Valve

THURSDAY, SEPTEMBER 26, 2019
10:00 AM - 11:30 AM
Medtronic Pavilion

Protected TAVR: An Interactive Experience with Sentinel Cerebral Protection System

Structural: Valve

THURSDAY, SEPTEMBER 26, 2019
4:00 PM - 5:30 PM
Boston Scientific Pavilion

6:00 PM - 7:30 PM
Protected TAVR: An Interactive Experience with Sentinel Cerebral Protection System

Training Pavilion Faculty: Andrew Goodman, Elizabeth Willette

SPYRAL HTN ON MED, -OFF MED, WHAT'S NEXT?

Training Pavilion Faculty: James Harvey, Amar Krishnaswamy

TAVR CLINIC FOUNDATIONS FOR VALVE PROGRAM COORDINATORS NEW TO TAVR
12:00 - 1:30 pm
SPYRAL HTN-ON MED, -OFF MED, What Next?
Training Pavilion Faculty: Pedro De Araujo Goncalves, David P. Lee, Felix Mahfoud, Joachim Weil

12:00 pm Update on the SPYRAL HTN Program
12:20 pm Real World Data in Renal Denervation
12:40 pm Audience Interaction and Discussion
12:50 pm Latest Advances in RDN Procedure
1:00 pm Hands On With RDN

CTO PCI: CASE REVIEWS FOCUSING ON PROCEDURAL PLANNING, DEVICE SELECTION AND TECHNICAL APPROACHES

2:00 - 3:30 pm
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

2:00 pm Introduction
2:05 pm When is CTO PCI Indicated Case 1 Discussion
2:20 pm Optimizing the Impact of Imaging Lesion Assessment Case 2 Discussion
2:35 pm Hands On with Medtronic Products

BIFURCATION PCI: A STEP-BY-STEP TRAINING APPROACH (VISIBLE HEART)

4:00 - 5:30 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

4:00 pm Introduction
4:05 pm Bifurcation Techniques With Integrated Visible Heart Laboratories Footage
4:45 pm Hands On Simulation

ACCESS AND CLOSURE FOR LARGE BORE DEVICES

8:00 - 9:30 am
Access and Closure for Large Bore Devices

8:00 - 8:10 am
Introduction
Training Pavilion Faculty: Amir Kaki, Adhir Shroff, Rajiv Tayal

8:10 - 9:30 am
Breakout Rotations
Training Pavilion Faculty: Amir Kaki, Adhir Shroff, Rajiv Tayal

8:10 am Insertion with Impella Trainer
8:10 am Ultrasound Siemens
8:10 am Closure Manta
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 PM - 1:30 PM
CRF Pavilion 1

12:00 PM - 12:20 PM
Didactic Session
Training Pavilion Faculty: M Chadi Alraies, Hiram G. Bezerra, Rajan A. Patel

12:20 PM - 1:30 PM
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
MULTIMODALITY IMAGING FOR TRANSSEPTAL CROSSING AND LAAC

**Multimodality Imaging for Transseptal Crossing and LAAC**

Structural: Non-Valve

**THURSDAY, SEPTEMBER 26, 2019**

8:00 AM - 9:30 AM
CRF Pavilion 2

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 Step by Step Technique
- **8:10 AM** Instructional Video
- **8:20 AM** The Role of 4D Volume ICE for Transseptal Crossing
- **8:30 AM** 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**

10:00 AM - 11:30 AM
CRF Pavilion 2
MULTIMODALITY IMAGING FOR TRANSSEPTAL CROSSING AND LAAC

Multimodality Imaging for Transseptal Crossing and LAAC
Structural: Non-Valve

THURSDAY, SEPTEMBER 26, 2019
4:00 AM - 5:30 AM
CRF Pavilion 2

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

COMPLICATIONS MANAGEMENT IN PCI INTERVENTIONS

Complications Management in PCI Interventions
Coronary: CHIP, Coronary: Core

THURSDAY, SEPTEMBER 26, 2019
12:00 PM - 1:30 PM
CRF Pavilion 3

8:00 AM - 9:30 AM
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

10:00 AM - 11:30 AM
Advancing Alternative Access for the Treatment of PAD and CLI
Training Pavilion Faculty: Ankur Lodha, Amit Srivastava

10:00 AM
Introduction and Faculty Review

10:20 AM
Hands On Rotations

11:20 AM
Debrief

12:00 PM - 1:30 PM
Complications Management in PCI Interventions
Training Pavilion Faculty: Christina Economides, Amir Kaki, Binita Shah, Katrine Zhiroff

12:00 PM
Introduction

12:05 PM
Simulation Stations

Complications Management in PCI Interventions
Coronary: CHIP, Coronary: Core
Complications Management in PCI Interventions
Training Pavilion Faculty: Amir Kaki, Shunsuke Matsuno, Hidetaka Nishina, Binita Shah

2:00 PM - 3:30 PM

2:00 PM - Introduction
2:05 PM - Simulation Stations

ASSESSMENT OF PATIENTS WITH AORTIC STENOSIS OR AORTIC INSUFFICIENCY - 1

Assessment of Patients With Aortic Stenosis or Aortic Insufficiency - 1

THURSDAY, SEPTEMBER 26, 2019
9:30 AM - 10:30 AM
Moderated Posters 2

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 5

9:30 AM - 10:30 AM
Intravascular Imaging - 1
Moderators: Atul Abhyankar, Peter H. StoneDiscussants: Joost Daemen, Roberto Diletti, Vasim Farooq

9:30 AM
TCT 340: IVUS Guided PSP Technique of Drug Eluting Stents in Complex Coronary Lesions
Presenting Author: Do-Yoon Kang

9:37 AM Discussion

9:40 AM TCT 341: Clinical Significance of Post Stent Intravascular Ultrasound for Chronic Total Occlusion Percutaneous Coronary Intervention With Drug Eluting Stents
Presenting Author: Sang-Cheol Cho

9:47 AM Discussion

Presenting Author: David Molony

9:57 AM Discussion

10:00 AM TCT 343: Diagnostic Accuracy and Reproducibility of Optical Coherence Tomography Based Fractional Flow Reserve for Functional Evaluation of Coronary Stenosis
Presenting Author: Shengxian Tu

10:07 AM Discussion

10:10 AM TCT 344: Impact of OCT Guided PCI Using a Specific Stent Optimization Strategy on Clinical Outcomes in Comparison Between Patients With and Without Diabetes Mellitus
Presenting Author: Masaru Kuroda

10:17 AM Discussion

10:20 AM TCT 345: Impact of Myocardial Bridging on Long Term Outcomes After Heart Transplantation: Risk Stratification With IVUS Determined Anatomical Properties
Presenting Author: Kozo Okada

10:27 AM Discussion

NATURAL HISTORY AND MANAGEMENT OF MITRAL AND TRICUSPID VALVE DISEASE - 1

Natural History and Management of Mitral and Tricuspid Valve Disease - 1

THURSDAY, SEPTEMBER 26, 2019
9:30 AM - 10:30 AM
Moderated Posters 1

9:30 AM - 10:30 AM
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

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

9:37 AM Discussion

9:40 AM TCT 484: Prognostic Impact of Subclinical Hemoglobin Descents in Patients Undergoing Primary Angioplasty
Presenting Author: Alfredo Redondo Dieguez
REVASCULARIZATION IN PATIENTS WITH DIABETES - 1

9:30 am - 10:30 am
Revascularization in Patients With Diabetes - 1

9:30 am TCT 627: Novel Sirolimus Eluting Stent With Fusion Coating Technology to Address the Diabetes Issue: Two Year Results of the en ABL e Registry
Presenting Author: Luca Testa

9:37 am Discussion

9:40 am TCT 628: Long Term Outcomes After Percutaneous Coronary Intervention Relative to Bypass Surgery in Diabetic Patients With Multivessel Coronary Artery Disease According to Clinical Presentation
Presenting Author: Yong-Joon Lee

9:47 am Discussion

9:50 am TCT 629: Impact of Diabetes Mellitus on One Year Clinical Outcomes of Ultra Thin Strut 60 m Biodegradable Polymer Coated Sirolimus Eluting Coronary Stents

PRESENTATION | THURSDAY, SEPTEMBER 26, 2019
9:30 am - 10:30 am
Moderated Posters 8

REVASCULARIZATION IN THE ELDERLY AND THE FRAIL - 1

9:30 am - 10:30 am
Revascularization in the Elderly and the Frail - 1
Moderators: William E. Boden, Mark B. EffronDiscussants: Sudhir Rathore, Bernadette S. Speiser

9:30 am TCT 639: Early Invasive Versus Initial Conservative Management Among Older Patients With Non ST Elevation Acute Coronary Syndrome
Presenting Author: Qais Radaideh

9:37 am Discussion

9:40 am 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

9:47 am Discussion

9:50 am 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

PRESENTATION | THURSDAY, SEPTEMBER 26, 2019
9:30 am - 10:30 am
Moderated Posters 4

9:30 am TCT 630: The Impact of Diabetes Mellitus in Patients Undergoing Percutaneous Coronary Intervention With a Drug Eluting Stent for Unprotected Left Main Stenosis
Presenting Author: Anastasios Dimitrios Roumeliotis

9:37 am Discussion

9:40 am TCT 631: Comparison Between the Use of Overlapping Stents and Very Long Stents in the Diabetic Population With Diffuse Coronary Artery Disease: A Real Life Study
Presenting Author: IGNACIO SANCHEZ PEREZ

9:47 am Discussion
9:57 AM Discussion
10:00 AM TCT 642: PARIS Risk Score Stratified Analysis of Clinical Outcomes Among Elderly Patients Aged 75 Years Treated With 23 Month Ticagrelor Monotherapy Following 1 Month DAPT After PCI in the GLOBAL LEADERS Trial
Presenting Author: Mariusz Tomania

10:07 AM Discussion
10:10 AM TCT 643: The Appropriate Duration of Dual Antiplatelet Therapy for Elderly Patients Treated With Percutaneous Coronary Intervention
Presenting Author: Hiroyoshi Yokoi

10:17 AM Discussion
10:20 AM TCT 644: The Effects of Frailty on Mortality and Complications Following Percutaneous Coronary Interventions
Presenting Author: Josef Madrigal

10:27 AM Discussion

STROKE AND STROKE PREVENTION

Stroke and Stroke Prevention
Vascular

THURSDAY, SEPTEMBER 26, 2019
9:30 AM - 10:20 AM
Moderated Posters 3

9:30 AM - 10:20 AM Stroke and Stroke Prevention
Moderators: Alex Chebl, David R. Holmes Jr. Discussants: J. Michael Bacharach

9:30 AM 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

9:37 AM Discussion
9:40 AM TCT 668: Computational Fluid Dynamics Study of a Novel Embolic Protection Device
Presenting Author: Udi Nussinovitch

9:47 AM Discussion
9:50 AM TCT 670: Worse Prognosis in Old Thrombi Related Large Vessel Occlusion Stroke
Presenting Author: Martijn Meuwissen

9:57 AM Discussion
10:00 AM TCT 671: The Results of Endovascular Treatment in Patients With Ischemic Stroke Both Older and Younger Than 70 Years

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

VASCULAR ACCESS AND CLOSURE IN PCI - 1

Vascular Access and Closure in PCI - 1
Coronary: Core

THURSDAY, SEPTEMBER 26, 2019
9:30 AM - 10:20 AM
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

9:30 AM TCT 777: Prevention of Radial Artery Occlusion: Comparison of Three Hemostatic Methods in Transradial Intervention
Presenting Author: Jesus Reyes

9:37 AM Discussion
9:40 AM TCT 778: Evaluation of Railway Sheathless Access System for Transradial Coronary and Peripheral Intervention
Presenting Author: Kintur A. Sanghvi DUPE

9:47 AM Discussion
9:50 AM 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

9:57 AM Discussion
10:00 AM 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

10:17 AM Discussion

BIORESORBABLE SCAFFOLDS - 1
THURSDAY, SEPTEMBER 26, 2019
10:30 AM - 11:30 AM
Moderated Posters 2

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

10:30 AM - 11:24 AM
Moderated Posters 8

THURSDAY, SEPTEMBER 26, 2019
10:30 AM - 11:24 AM
Drug-Eluting Stent Studies - 1
Moderators: J. Dawn Abbott, Andrea Abizaid
Discussants: Joseph P. Carrozza Jr, Kyung Woo (KW) Park

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 REMEDEE 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
10:30 AM - 11:30 AM
EXCEL Trial Clinical Substudies - 1
Moderators: Magdy AbdelhamidDiscussants: 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

LARGE-BORE VASCULAR ACCESS AND CLOSURE

THURSDAY, SEPTEMBER 26, 2019
10:30 AM - 11:30 AM
Moderated Posters 4

10:30 AM  TCT 364: The Closer Large Bore Vascular Sealing System: First in Man In Hospital and Long Term Experience
Presenting Author: S. Chiu Wong

10:37 AM Discussion
10:40 AM TCT 365: Results of the Frontier IV Study With the PerQseal Vivasure Medical Ltd. Fully Absorbable Patch Based Large Hole Vascular Closure Device.
Presenting Author: Arne G. Schwindt

10:47 AM Discussion
10:50 AM TCT 366: Novel Direct Visualization Technique Facilitates Safe and Reproducible Closure Post Large Bore Sheath Removal: The FAST MANTA Pilot Study
Presenting Author: Janarthanan Sathananthan

10:57 AM Discussion
11:00 AM TCT 367: Large Bore Vascular Access Training With the CardioSkills Smart Puncture Simulator: A Training Tool and Concept for Avoiding Vascular Access Site Complications
Presenting Author: Andreas Norbert Meissner

11:07 AM Discussion
11:10 AM TCT 368: Axillary Artery Access in the Setting of Cardiogenic Shock and Severe Peripheral Arterial Disease

11:17 AM Discussion
11:20 AM TCT 369: Efficacy and Safety of Figure of Eight Suture vs. Manual Pressure for Venous Access Closure: A Meta Analysis
Presenting Author: Mark Terence Mujer

11:27 AM Discussion

NATURAL HISTORY AND MANAGEMENT OF MITRAL AND TRICUSPID VALVE DISEASE - 2

Natural History and Management of Mitral and Tricuspid Valve Disease - 2

Structural: Valve

THURSDAY, SEPTEMBER 26, 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 - 2
Moderators: Karl-Heinz Kuck, Alexander Lauten
Discussants: Helge Möllmann, Luigi Salemm

10:30 AM TCT 436: Transcatheter Versus Surgical Mitral Valve Repair in Patients With Prior CABG: A Nationwide Analysis
Presenting Author: Syed Zaid

10:37 AM Discussion
10:40 AM TCT 437: Characteristics and Outcomes of Patients With Normal Left Atrial Pressure Undergoing Transcatheter Mitral Valve Repair

10:47 AM Discussion
10:50 AM TCT 438: Prognosis of MitraClip Combined With Optimal Medical Therapy vs. Optimal Medical Therapy Alone in the Treatment of Functional Mitral Regurgitation: A Meta Analysis of Randomized Controlled Trials and Propensity Score Matching Cohorts
Presenting Author: Jakrin Kewcharoen

10:57 AM Discussion
11:00 AM TCT 439: Procedural and 30 Day Outcomes of Patients Undergoing Transcatheter Aortic and Mitral Valve Replacements
Presenting Author: Alan Zajarias

11:07 AM Discussion
Presenting Author: Clare Ward

11:17 AM Discussion
11:20 AM TCT 441: Effects of Frailty on Postprocedural Outcomes in Patients Receiving Transcatheter Mitral Valve Repair
Presenting Author: Nathaniel Christian-Miller

11:27 AM Discussion

OUTCOMES AFTER PRIMARY PCI - 2

Outcomes After Primary PCI - 2
Coronary: CHIP

THURSDAY, SEPTEMBER 26, 2019
10:30 AM - 11:30 AM
Moderated Posters 7

10:30 AM - 11:30 AM
Outcomes After Primary PCI - 2
Moderators: Michael Kang-Yin Lee
Discussants: Pablo Lamelas, Sameer Mehta

10:30 AM TCT 489: Base Camp to Mount Everest Milestones in Advancing a Single Lead for STEMI Detection
Presenting Author: Sameer Mehta

10:37 AM Discussion
10:40 AM TCT 490: Myocardial Infarction Due to Acute Left Circumflex LCx Occlusion: Electrocardiographic Parameters Infarct Size Reperfusion Delay Average Hospital Stay and Cardiovascular Mortality
Presenting Author: IGNACIO SANCHEZ PEREZ

10:47 AM Discussion
10:50 AM TCT 491: A Novel Risk Score to Predict 24 Month Postdischarge Death for Patients With Non ST Segment Elevation Myocardial Infarction
Presenting Author: Guofeng Gao

10:57 AM Discussion
11:00 AM TCT 492: Impact of Hemoglobin Concentration on Infarct Size in Patients With STEMI Undergoing PCI: Patient Level Pooled Analysis From Two Randomized Trials
   Presenting Author: Fotis Gkargkoulas

11:07 AM Discussion
11:10 AM TCT 493: Epidemiology of In Hospital Cardiac Arrest Complicating Non ST Elevation Myocardial Infarction Receiving Early Coronary Angiography
   Presenting Author: Saraschandra Vallabhajosyula

11:17 AM Discussion
11:20 AM TCT 494: PFT Based Antiplatelet Therapy Reduces Cardiovascular Events in Post AMI Patients With Left Ventricular Dysfunction After Percutaneous Coronary Intervention
   Presenting Author: Jieyun You

11:27 AM Discussion

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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 Illand 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

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PACEMAKERS AND CONDUCTION ABNORMALITIES IN PATIENTS WITH TAVR - 1

Pacemakers and Conduction Abnormalities in Patients With TAVR - 1
Structural: Valve

THURSDAY, SEPTEMBER 26, 2019
10:30 AM - 11:30 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 Jadczyk, 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 Sannour

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: Heman Gada

10:57 AM Discussion
11:00 AM TCT 528: Novel Predictors of New Permanent Pacemaker Implantation After Evolut TAVR
   Presenting Author: Syed Zaid

11:07 AM Discussion
11:10 AM TCT 529: Novel Predictors New Persistent Left Bundle Branch Block After Evolut TAVR
   Presenting Author: Syed Zaid

11:17 AM Discussion
EXCEL TRIAL CLINICAL SUBSTUDIES - 2

**EXCEL Trial Clinical Substudies - 2**

**Coronary: CHIP**

**THURSDAY, SEPTEMBER 26, 2019**

11:30 AM - 12:30 PM

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 PM**
  - Discussion

- **12:10 PM**
  - 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 PM**
  - Discussion

- **12:20 PM**
  - TCT 317: Impact of Coronary Artery Dominance on Prognosis After PCI and CABG for Unprotected Left Main Disease: Analysis From the EXCEL Trial

NATURAL HISTORY AND MANAGEMENT OF MITRAL AND TRICUSPID VALVE DISEASE - 3

**Natural History and Management of Mitral and Tricuspid Valve Disease - 3**

**Structural: Valve**

**THURSDAY, SEPTEMBER 26, 2019**

11:30 AM - 12:20 PM

Moderated Posters 1

- **11:30 AM**
  - TCT 443: Mitraclip Outcomes in Patients With Coronary Artery Disease
    - Presenting Author: Obai Abdullah

- **11:37 AM**
  - Discussion

- **11:40 AM**
  - TCT 444: Left Ventricular Thinning and Distension to Mimic Heart Failure and Functional Mitral Regurgitation in Swine Hearts: A Platform to Test New Transcatheter Mitral and Heart Failure Devices
    - Presenting Author: Elorm Agra

- **11:47 AM**
  - Discussion

- **11:50 AM**
  - TCT 445: Incidence of Cardiogenic Shock Between Transcatheter and Surgical Mitral Valve Repair in the United States: Insights From the Nationwide Inpatient Sample
    - Presenting Author: Richard Hajjar

- **11:57 AM**
  - Discussion

- **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

OUTCOMES AFTER PRIMARY PCI - 3

**Outcomes After Primary PCI - 3**

**Coronary: CHIP**
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 Sabate
Discussants: 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 Collet
Discussants: 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

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 CockburnDiscussants: 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

11:40 AM TCT 646: Markers of Frailty Predict Conservative Management in Very Elderly 85 Years Patients Presenting With Non ST Elevation Myocardial Infarction NSTEMI
   Presenting Author: Alexandra Murphy

11:47 AM Discussion
11:50 AM TCT 647: Long Term Clinical Outcomes of Elderly Korean Patients With Multivessel Disease Undergoing Percutaneous Coronary Intervention With Drug Eluting Stents
   Presenting Author: Karim Abdelshafi

11:57 AM Discussion
12:00 PM TCT 648: Clinical Outcomes of Bivalirudin vs. Heparin in Elderly Patients Undergoing Percutaneous Coronary Intervention: A Systematic Review and Meta Analysis of Randomized Controlled Trials
   Presenting Author: Lei Guo

12:07 PM Discussion
12:10 PM TCT 649: Long Term Prognosis of Elderly Patients With Additional High Bleeding Risk Factors: A Pooled Analysis From Four Post Approval XIENCE Studies
   Presenting Author: Rishi Chandiramani

12:17 PM Discussion
12:20 PM TCT 650: Economic Outcomes for Older Adults With Acute Myocardial Infarction Treated With PCI
   Presenting Author: Abdulla Damluji

12:27 PM Discussion

REVASCULARIZATION IN THE ELDERLY AND THE FRAIL - 2

Revascularization in the Elderly and the Frail - 2
Coronary: CHIP

THURSDAY, SEPTEMBER 26, 2019
11:30 AM - 12:30 PM
Moderated Posters 8

11:30 AM - 12:30 PM
Revascularization in the Elderly and the Frail - 2
Moderators: Neal S. KleimanDiscussants: John McB. Hodgson, Eliano Pio Navarese

11:30 AM TCT 645: The Importance of Coronary Revascularization and Guideline Directed Medical Therapy GDMT in Elderly With Non ST Elevation Acute Coronary Syndrome NSTE ACS
   Presenting Author: Jonathan Fang

11:37 AM Discussion

11:40 AM TCT 647: Long Term Clinical Outcomes of Elderly Korean Patients With Multivessel Disease Undergoing Percutaneous Coronary Intervention With Drug Eluting Stents
   Presenting Author: Karim Abdelshafi

11:47 AM Discussion

11:50 AM TCT 648: Clinical Outcomes of Bivalirudin vs. Heparin in Elderly Patients Undergoing Percutaneous Coronary Intervention: A Systematic Review and Meta Analysis of Randomized Controlled Trials
   Presenting Author: Lei Guo

11:57 AM Discussion

12:00 PM TCT 649: Long Term Prognosis of Elderly Patients With Additional High Bleeding Risk Factors: A Pooled Analysis From Four Post Approval XIENCE Studies
   Presenting Author: Rishi Chandiramani

12:07 PM Discussion

12:10 PM TCT 650: Economic Outcomes for Older Adults With Acute Myocardial Infarction Treated With PCI
   Presenting Author: Abdulla Damluji

12:27 PM Discussion
11:47 AM  Discussion
11:50 AM  TCT 682: Percutaneous Coronary Intervention and Transcatheter Aortic Valve Replacement Within the Same Admission  
Presenting Author: Konstantinos Voudris
11:57 AM  Discussion
12:00 AM  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 AM  Discussion
12:10 AM  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 AM  Discussion

OUTCOMES AFTER PRIMARY PCI - 4

11:47 AM  Discussion
11:50 AM  TCT 682: Percutaneous Coronary Intervention and Transcatheter Aortic Valve Replacement Within the Same Admission  
Presenting Author: Konstantinos Voudris
11:57 AM  Discussion
12:00 AM  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 AM  Discussion
12:10 AM  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 AM  Discussion

PACEMAKERS AND CONDUCTION ABNORMALITIES IN PATIENTS WITH TAVR - 3

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

12:30 PM - 1:30 PM  Outcomes after Primary PCI - 4
Moderators: Talib Majwal, Robert T. PyoDiscussants: 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
RENAL INSUFFICIENCY AND CONTRAST NEPHROPATHY - 1

12:30 PM - 1:30 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

12:40 PM TCT 610: Impact of Baseline Renal Function on the Long Term Clinical Outcomes After PCI: Insights From a Prespecified Subgroup Analysis of the Randomized GLOBAL LEADERS Trial
Presenting Author: Mariusz Tomaniak

12:47 PM 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 TCT 612: Poor Prognosis of Contrast Induced Nephropathy Was Observed More Than Ten Years Follow Up
Presenting Author: Taili Liu

1:07 PM TCT 613: Preventive Intravascular Volume Expansion Strategies for Contrast Induced Acute Kidney Injury in Patients Receiving Intraarterial Contrast Media
Presenting Author: Omar Sheikh

1:17 PM 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

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
THURSDAY, SEPTEMBER 26, 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 - 2
Moderators: Pedro A. Lemos
Discussants: Blase A. Carabello, Petra Poliacikova, Stephen R. Ramee

2:00 PM
TCT 140: Impact of Left Ventricular Mass Regression on Long Term Clinical Outcomes After Transcatheter Aortic Valve Replacement: An Analysis of the PARTNER 1 and 2 Trials and Registries
Presenting Author: Katherine Chau

2:07 PM
Discussion

2:10 PM
TCT 141: C Reactive Protein/Albumin Ratio in Patients Undergoing Transcatheter Aortic Valve Replacement
Presenting Author: Derk Frank

2:17 PM
Discussion

2:20 PM
TCT 142: Clinical Characteristics and Outcomes of Patients Undergoing Transcatheter Aortic Valve Replacement with STS PROM of 3
Presenting Author: Jackson King

2:27 PM
Discussion

2:30 PM
TCT 143: Changes in Quality of Life in Patients With Low Flow Aortic Stenosis Undergoing Transcatheter Aortic Valve Replacement
Presenting Author: Aisha Ahmed

2:37 PM
Discussion

2:40 PM
TCT 144: Impact of Diastolic Dysfunction on Mortality and Quality of Life After Transcatheter Aortic Valve Replacement
Presenting Author: Mahesh Anantha Narayanan

2:47 PM
Discussion

2:50 PM
TCT 145: Invasive Corroboration of Echocardiographic Low Stroke Volume Index in Aortic Stenosis and Its Impact on Transaortic Gradient and Aortic Valve Area
Presenting Author: Ramy Mando

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
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

2:10 PM
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

2:20 PM
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

2:30 PM
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

2:40 PM
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

2:50 PM
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
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 SilberDiscussants: Rik Hermanides, Aditya Kapoor, Joanna 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 SchäferDiscussants: Victoria Delgado, Guering Eid-Lidi, 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 SCORPION prior 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

PHYSIOLOGIC LESION ASSESSMENT - 2

Presenting Author: Pavel Nikolov
2:17 PM Discussion
2:20 PM TCT 584: Assessment of Interference Between Pressure Wire and Coronary Stents Deployed in the Side Branch: Insights From a Bench Test
Presenting Author: Takayuki Warisawa
2:27 PM Discussion
2:30 PM TCT 585: Prognostic Implications of Coronary Physiologic Indices in Deferred Coronary Artery Lesions with Diabetes Mellitus
Presenting Author: Doyeon Hwang
2:37 PM Discussion
2:40 PM TCT 586: Association between Renal Function and Fractional Flow Reserve: Data From a Prospective IRIS FFR Registry Interventional Cardiology Research Incooperation Society Fractional Flow Reserve
Presenting Author: Ha-Wook Park
2:47 PM Discussion

RENAI INSUFFICIENCY AND CONTRAST NEPHROPATHY - 2

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 SCORPION prior 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

PHYSIOLOGIC LESION ASSESSMENT - 2

Physiologic Lesion Assessment - 2
Coronary: Core
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. GilchristDiscussants: Jabir Abdullakutty, Pablo D. Chary-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: Importance of Lesion Characteristics and SYNTAX score Analysis from FIESTA Registry Database ClinicalTrials.gov Identifier: NCT01724957
Presenting Author: Rayji Tsutsui
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
Presenting Author: Ha-Wook Park
2:27 PM Discussion
2:30 PM TCT 619: A Supervised Machine Learning Approach for Predicting Acute Kidney Injury following Percutaneous Coronary Intervention
Presenting Author: Rayji Tsutsui
2:37 PM Discussion
2:40 PM TCT 620: A Feasibility Study of the DyeVertPlus Contrast Reduction System to Reduce Contrast Media in Optical Coherence Tomography guided Percutaneous Coronary Interventions
Presenting Author: Ha-Wook Park
2:47 PM Discussion

Renal Insufficiency and Contrast Nephropathy - 2
Coronary: Core
THURSDAY, SEPTEMBER 26, 2019
2:00 PM - 3:00 PM
Moderated Posters 7

2:00 PM - 3:00 PM
Renal Insufficiency and Contrast Nephropathy - 2
Moderators: William T. Abraham, Barry F. UretskyDiscussants: 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
Presenting Author: Ha-Wook Park
2:27 PM Discussion
2:30 PM TCT 619: A Supervised Machine Learning Approach for Predicting Acute Kidney Injury following Percutaneous Coronary Intervention
Presenting Author: Rayji Tsutsui
2:37 PM Discussion
2:40 PM TCT 620: A Feasibility Study of the DyeVertPlus Contrast Reduction System to Reduce Contrast Media in Optical Coherence Tomography guided Percutaneous Coronary Interventions
Presenting Author: Ha-Wook Park
2:47 PM Discussion
2:27 AM Discussion
2:30 AM TCT 619: Clinical Impact of Renal Impairment in Diabetic Patients Underwent Percutaneous Coronary Intervention
Presenting Author: Sangwoo Park

2:37 AM Discussion
2:40 AM TCT 620: The association between long term worsening renal function and mortality after transcatheter aortic valve replacement in patients with chronic kidney disease
Presenting Author: Derek Phan

2:47 AM Discussion
2:50 AM TCT 83: Effects of Catheter Based Renal Denervation on Left Ventricular Function Assessed by Two Dimensional Speckle Tracking Echocardiography
Presenting Author: Felix Mahfoud

2:57 AM Discussion

TAVR and Coronary Artery Disease - 2

2:00 PM - 3:00 PM
TAVR and Coronary Artery Disease - 2
Moderators: Gilbert H.L. Tang, Alan C. Yeung
Discussants: Pavel Cervinka

2:00 AM 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 AM Discussion
2:10 AM 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 AM Discussion
2:20 AM 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 AM Discussion

Drug-Eluting Balloons and Local Drug Delivery - 2

3:00 PM - 4:00 PM
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 AM TCT 274: A prospective multicenter study to assess the long term safety and efficacy of Sirolimus coated Balloon in treatment of in0stent restenosis in unselected real world patients
Presenting Author: Azeem Latib

3:07 AM Discussion
3:10 AM 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 AM Discussion
3:20 AM 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 AM Discussion
3:30 AM TCT 267: A Multicenter Registry to Evaluate Drug Coated Balloon Angioplasty after Directional Coronary Atherectomy for Coronary Bifurcation Lesions

2:30 PM TCT 688: The Need for Future Coronary Access Following Aortic Valve Replacement: A Retrospective Database Analysis of Five Year Angiogram and Percutaneous Coronary Interventions PCI Rates in the Medicare Population
Presenting Author: Kimberly Moore

2:37 PM Discussion
2:40 PM TCT 689: Does Orienting Sapien 3 during Crimping in TAVR Affect Final Orientation to Coronaries to Impact TAV and Coronary Reaccess A Pilot Study
Presenting Author: Gilbert H.L. Tang

2:47 PM Discussion
2:50 PM TCT 690: Initial Deployment Orientation of ACURATE neo THV and Final Commisural Alignment: A Pilot Study on Optimizing Post Procedural Coronary Access
Presenting Author: Gilbert H.L. Tang

2:57 PM Discussion
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

INTRAVASCULAR IMAGING - 2

Intravascular Imaging - 2

Coronary: Core

THURSDAY, SEPTEMBER 26, 2019
3:00 pm - 4:00 pm
Moderated Posters 8

3:00 pm - 4:00 pm
Intravascular Imaging - 2
Moderators: Kevin J. Croce, Tomas KovarnikDiscussants: John McB. Hodgson, Kusum Lata, Hirotohi Watanabe

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

Management of Antiplatelet Therapy and Anticoagulation in Patients Undergoing PCI - 2

Coronary: Core

THURSDAY, SEPTEMBER 26, 2019
3:00 pm - 4:00 pm
Moderated Posters 4

3:00 pm - 4:00 pm
Management of Antiplatelet Therapy and Anticoagulation in Patients Undergoing PCI - 2
Moderators: Renato D. Lopes, Pascal VranckxDiscussants: David L. Fischman, Kurt Huber, Francesco Pelliccia

3:00 pm TCT 400: Platelet Reactivity and Risk of Stent Thrombosis After Coronary Drug Eluting Stent Implantation in Patients Treated with Oral Anticoagulation: The ADAPT DES Study
Presenting Author: Gennaro Giustino

3:07 pm Discussion
3:10 pm TCT 401: Long Term Efficacy of Extended Dual Antiplatelet Therapy After Left Main Coronary Artery Bifurcation Stenting
Presenting Author: Sungsoo Cho

3:17 pm Discussion
3:20 pm TCT 402: 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

NATURAL HISTORY AND MANAGEMENT OF MITRAL AND TRICUSPID VALVE DISEASE - 5

Natural History and Management of Mitral and Tricuspid Valve Disease - 5

Structural: Valve

THURSDAY, SEPTEMBER 26, 2019
3:00 PM - 4:00 PM
Moderated Posters 1

3:00 PM - 4:00 PM
Natural History and Management of Mitral and Tricuspid Valve Disease - 5
Moderators: Neil P. Fam, Paul D. Mahoney
Discussants: Stamatios Lerakis

3:00 PM TCT 454: Characteristics and Outcomes of Patients who Are Denied From a Percutaneous Edge to Edge Mitral Valve Repair After Being Referred to a Transcatheter Mitral Valve Program: Impact of a Dedicated Multidisciplinary Mitral Heart Team Approach
Presenting Author: Frederic Beaupre

3:07 PM Discussion

3:10 PM TCT 455: Right Ventricular Remodeling Reduces Heart Failure Readmissions in Patients Undergoing Transcatheter Mitral Valve Repair
Presenting Author: Nidhi Kanwar

3:17 PM Discussion

3:20 PM TCT 456: Preexisting Atrial Fibrillation is Associated with Increased Risk of Midterm and Long Term Mortality in Transcatheter Mitral Valve Repair: Systemic review and Meta analysis
Presenting Author: Narut Prasitlumkum

3:27 PM Discussion

3:30 PM TCT 457: Severe Mitral Stenosis in Patients with Severe Mitral Annular Calcification: An Area of Unmet Need
Presenting Author: Rayji Tsutsui

3:37 PM Discussion

3:40 PM TCT 458: In Hospital Outcomes of Transcatheter Mitral Valve Repair in Rheumatic Mitral Valve Disease
Presenting Author: Ayman Elbadawi

3:47 PM Discussion

3:50 PM TCT 459: Transcatheter Mitral Valve in Valve Replacement for Failed Bioprostheses: A Systematic Review
Presenting Author: Kais Hyasat

3:57 PM Discussion

NON-ATHEROSCLEROTIC CAD (SCAD, MINOCA, ETC.) - 1

Non-Atherosclerotic CAD (SCAD, MINOCA, etc.) - 1

Coronary: CHIP

THURSDAY, SEPTEMBER 26, 2019
3:00 PM - 3:50 PM
Moderated Posters 2

3:00 PM - 3:50 PM
Non-atherosclerotic CAD (SCAD, MINOCA, etc.) - 1
Moderators: William T. Abraham, Elmir Omerovic
Discussants: Michael A. Kutcher

3:00 PM TCT 467: In Hospital and Long term Outcomes among Patients with Spontaneous Coronary Artery Dissection presenting with Ventricular Tachycardia/Fibrillation
Presenting Author: Christopher Cheung

3:07 PM Discussion

3:10 PM 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

3:17 PM Discussion

3:20 PM TCT 469: Percutaneous Coronary Intervention performance in Spontaneous Coronary Artery Dissection: insight from an Italian Multicenter Registry
Presenting Author: Giorgio Quadri

3:27 PM Discussion

3:30 PM TCT 470: Acute management of patients with Spontaneous Coronary Artery Dissection. The DISCO Dissezioni Spontanee Coronariche Italian Registry.
Presenting Author: Francesco Tomassini

3:37 PM Discussion

3:40 PM TCT 471: Prognosis and Predictors of Mortality in Patients Suffering Myocardial Infarction with Non Obstructive Coronary Arteries
Presenting Author: You-Hong Lee
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 ThuesenDiscussants: Carlos I. Meno-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

Coronary: CHIP

THURSDAY, SEPTEMBER 26, 2019
4:00 PM - 4:50 PM
Moderated Posters 6

3:00 PM TCT 811: BALANCED BIVENTRICULAR ASSIST VERSUS EXTRACORPOREAL MEMBRANE OXYGENATION IN CARDIAC ARREST
Presenting Author: Erik Packer

3:07 PM Discussion

3:10 PM TCT 812: Modified SCAI Classification for Cardiogenic Shock is Associated with Increasing In Hospital Mortality: A Report from the Cardiogenic Shock Working Group Registry
Presenting Author: Navin K. Kapur

3:17 PM Discussion

3:20 PM TCT 813: Culprit vessel Versus Multi vessel Percutaneous Coronary Intervention in Cardiogenic Shock. Insights from The National Cardiogenic Shock Initiative
Presenting Author: Alejandro Lemor

3:27 PM Discussion

3:30 PM TCT 814: Inflammation as a predictor of outcomes in patients with cardiogenic shock supported by a percutaneous mechanical support device
Presenting Author: Nikolaos Diakos

3:37 PM Discussion

3:40 PM TCT 815: Does addition of percutaneous left ventricular decompression therapy with Impella affect clinical outcomes in Cardiogenic Shock patients on Venoarterial extracorporeal membrane oxygenation: A Nationwide Analysis
Presenting Author: Syed Zaid

3:47 PM Discussion

3:50 PM TCT 816: The Optimal Timing of Mechanical Circulatory Support in Acute Myocardial Infarction Patients with Refractory Cardiogenic Shock
Presenting Author: Ki Hong Choi

3:57 PM Discussion

DRUG-ELUTING BALLOONS AND LOCAL DRUG DELIVERY - 3

Drug-Eluting Balloons and Local Drug Delivery - 3

Coronary: Core

THURSDAY, SEPTEMBER 26, 2019
3:00 PM - 4:00 PM
Moderated Posters 7
**Non-Atherosclerotic CAD (SCAD, MINOCA, ETC.) - 2**

**Coronary: Chip**

**THURSDAY, SEPTEMBER 26, 2019**

**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 Absolut Coronary Blood Flow Quantification in Takosubo Cardiomyopathy**

Presenting Author: Livia Luciana Gheorghe

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**

**Moderated Posters 4**

**Coronary: Core**

**THURSDAY, SEPTEMBER 26, 2019**

4:00 pm - 4:50 pm

**PCI vs. Medical Therapy and Insights Into Trial Design**

Moderators: William E. Boden, Frederick Feit

Discussants: Gennaro Giustino, Mark Goldberger, Robert L. Wilensky

4:00 pm

**TCT 546: Temporal Trends in Characteristics and Outcomes of Patients With Stable Ischemic Heart Disease Treated With and Without Percutaneous Coronary Intervention**

Presenting Author: Taku Inohara

4:07 pm

Discussion

4:10 pm

**TCT 547: Sham Controlled Trials of Invasive Cardiovascular Interventions: A Systematic Review and Meta Analysis**

Presenting Author: Lucas Lauder

4:17 pm

Discussion

4:20 pm

**TCT 548: Clinical and Angiographic Lesion Characteristics Associated With Lack of Angina Relief After PCI: Insights From the RIVER PCI Trial**

Presenting Author: Akiko Fujino

4:27 pm

Discussion
### TAVR: Patient-Prosthesis Mismatch

**Moderators:** Stephen J.D. Brecker, Stanley J. Chetcuti
**Discussants:** Harold L. Dauerman, Ioannis Iakovou, Hasan Jilaihawi, Tsuyoshi Kaneko

#### THURSDAY, SEPTEMBER 26, 2019
**4:00 PM - 4:40 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

**Moderated Posters 1**

#### THURSDAY, SEPTEMBER 26, 2019
**4:00 PM - 4:50 PM**

**TAVR: Valve-in-Valve - 1**

**Presenting Author:** Madeline Mahowald

**4:37 PM**
**Discussion**

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### PULMONARY ARTERY AND PULMONARY VENOUS INTERVENTION

#### Pulmonary Artery and Pulmonary Venous Intervention

**Presenting Author:** Markus Florian Krackhardt

#### THURSDAY, SEPTEMBER 26, 2019
**4:00 PM - 4:40 PM**

**TCT 599:** 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*

**4:37 PM**
**Discussion**

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### Pulmonary Artery and Pulmonary Venous Intervention - 2

**Presenting Author:** Cheng Zhang

#### Moderated Posters 3

**4:00 PM - 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*

**4:40 PM**
**Discussion**

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### Pulmonary Artery and Pulmonary Venous Intervention - 3

**Presenting Author:** Christoph Liebetrau

#### THURSDAY, SEPTEMBER 26, 2019
**4:00 PM - 4:40 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**
VENTRICULAR ASSIST AND MANAGEMENT OF CARDIOGENIC SHOCK - 2

Ventricular Assist and Management of Cardiogenic Shock - 2

THURSDAY, SEPTEMBER 26, 2019
4:00 PM - 5:00 PM
Moderated Posters 7

4:00 PM - 4:50 PM
Ventricular Assist and Management of Cardiogenic Shock - 2
Moderators: Dharam J. Kumbhani, Michael J. LimDiscussants: Amirali Masoumi, Maurizio Menichelli, Amit N. Patel

4:00 PM
TCT 817: Changes in right atrial pressure are associated with outcomes in patients with cardiogenic shock receiving acute mechanical circulatory support devices: Insights from the Cardiogenic Shock Working Group
Presenting Author: Carlos Davila
4:07 PM Discussion
4:10 PM TCT 818: Clinical Outcomes of Awake Extracorporeal Membrane Oxygenation as Bridge to Heart Transplantation
Presenting Author: Taeho Youn
4:17 PM Discussion
4:20 PM TCT 819: Safety and Efficacy of Mechanical Circulatory Support with Impella or Intra Aortic Balloon Pump for High Risk Percutaneous Coronary Intervention and Cardiogenic Shock: Insights from a Network Meta Analysis
Presenting Author: Toshiki Kuno
4:27 PM Discussion
4:30 PM TCT 820: Systematical Review and Meta Analysis on the Use of Inotropes and Vasopressors in Cardiogenic Shock: Time to Close the Gap Between Current Clinical Practice and Evidence
Presenting Author: Mina Karami
4:37 PM Discussion
4:40 PM TCT 821: Incidence and Implications of Vascular Complications Among Patients With Cardiogenic Shock: Insight From A Large US National Database
Presenting Author: Mohit Pahuja
4:47 PM Discussion

VULNERABLE PLAQUES AND HIGH RISK PATIENTS - 1

Vulnerable Plaques and High Risk Patients - 1

Coronary: Core

THURSDAY, SEPTEMBER 26, 2019
4:00 PM - 5:00 PM
Moderated Posters 8

4:00 PM - 5:00 PM
Vulnerable Plaques and High Risk Patients - 1
Moderators: David Erlinge, Massoud A. LeesarDiscussants: Pedro A. Lemos, Jun Li, Pedro R. Moreno, Asif Qasim

4:00 PM
TCT 827: Relationship between hemoglobin A1C and coronary plaque vulnerability in patients undergoing percutaneous coronary intervention: an optical coherence tomography study
Presenting Author: Keisuke Yasumura
4:07 PM Discussion
4:10 PM TCT 828: Quantitative Validation of the Coronary Angioscopic Yellow Plaque by Lipid Core Burden Index Assessed by Intra coronary Near infrared Spectroscopy
Presenting Author: Takashi Omatsu
4:17 PM Discussion

4:00 PM
TCT 755: Prevalence of impaired coronary accessibility after valve in valve transcatheter aortic valve replacement
Presenting Author: Mark Tuttle
4:07 PM Discussion
4:10 PM TCT 756: Incidence of Patient Prosthesis Mismatch following Native and Valve in Valve Transcatheter Aortic Valve Replacement Based on indexed Aortic Valve Area Compared to Energy Loss Index
Presenting Author: Ramy Mando
4:10 PM Discussion
4:20 PM TCT 757: Feasibility of Repeat Transcatheter Aortic Valve Replacement TAVR after Sapien 3 TAVR TAV in TAV: A Pilot Angiographic Study
Presenting Author: Syed Zaid
4:27 PM Discussion
4:30 PM TCT 758: Assessment of Bioprosthetic Valve Leaflet Displacement During Valve in valve TAVI an Ex vivo Bench Study
Presenting Author: Mark Hensey
4:37 PM Discussion
4:40 PM TCT 759: Invasive versus Echocardiographic Evaluation of Suboptimal Valve Hemodynamics and Procedural Futility Following Valve in Valve Transcatheter Aortic Valve Replacement
Presenting Author: Amr E. Abbas
4:47 PM Discussion
4:20 PM  TCT 829: Intensity of Lipid Lowering Therapy Among Patients with Prior or New Revascularization: Insights from the GOULD Registry  
Presenting Author: Benjamin Peterson

4:27 PM  Discussion

4:30 PM  TCT 830: Efficacy of PCSK 9 Inhibitors on Coronary Lipid Rich Plaque Assessed by Serial Near Infrared Spectroscopy  
Presenting Author: Hiroyuki Omori

4:37 PM  Discussion

4:40 PM  TCT 831: Detection Ability of Optical Coherence Tomography for Cholesterol Crystal: Histopathological Validation Study  
Presenting Author: Yosuke Katayama

4:47 PM  Discussion

4:50 PM  TCT 832: Identification of High Risk Plaques by Coronary Angiography: Confirmation of Computational Fluid Dynamics by Optical Coherence Tomography  
Presenting Author: Keisuke Yasumura

4:57 PM  Discussion

FRIDAY, SEPTEMBER 27, 2019
MAIN ARENA II: FRIDAY, SEPT. 27

8:00 AM - 9:30 AM  
Live Cases #3

8:00 AM  Fu Wai Hospital Beijing China Cor  
Live Case Operator: Kefei Dou, Jie Qian, Dong Yin

8:45 AM  NYPHColumbia University Medical Center New York NY SHD  
Live Case Operator: Vinayak N. Bapat, Isaac George, Rebecca T. Hahn, Nadira Hamid, Susheel K. Kodali, Torsten P. Vahl

9:30 AM - 10:00 AM  
Special Session on Drug-Eluting Technologies for PV Intervention

9:30 AM  Session I: Peripheral Drug Eluting Technologies at a Crossroad
9:30 AM  Perspective: The Case Against Ongoing Use of Drug Eluting Technologies for PAD  
Lecturer: Konstantinos Katsanos

9:37 AM  Perspective: The Case for Ongoing Use of Drug Eluting Technologies for PAD  
Lecturer: William A. Gray

9:44 AM  Moderated Panel Discussion

10:00 AM - 10:15 AM  
Innovation Award and Presentation
Moderators: Juan F. Granada  Co-Moderators: Robert S. Schwartz

10:00 AM  Award Presentation  
Lecturer: Juan F. Granada

10:10 AM  TCT 2019 Shark Tank Winner  
Lecturer: David D. Israeli, Felix Mahfoud, Fletcher Wilson

10:15 AM - 10:30 AM  
TCT 2019 Geoffrey O. Hartzler Master Operator Award  
Moderators: Martin B. Leon, Gregg W. Stone
Award Recipients: Shigeru Saito

10:15 AM  Geoffrey O. Hartzler Master Operator Award Presentation  
Lecturer: Martin B. Leon, Gregg W. Stone

10:30 AM - 11:30 AM  
Late-Breaking Trials 2, Co-Sponsored by Journal of the American Medical Association
Moderators: Martin B. Leon  Co-Moderators: Robert O. Bonow
Discussants: Jeroen J. Bax, Philipp Blanke, Jonathon A. Leipsic, Michael J. Mack, Thomas Modine, Stephane Noble, Philippe Pibarot, David G. Rizik, Craig R. Smith, Dee Dee Wang

10:30 AM  SCOPE I: A Randomized Trial of the ACURATE Neo vs. the SAPIEN 3 Bioprosthesis in Patients With Severe Aortic Stenosis  
Lecturer: Jonas Lanz

10:42 AM  Roundtable Discussion

10:50 AM  PORTICO: A Randomized Trial of Portico vs. Commercially Available Transcatheter Aortic Valves in Patients With Severe Aortic Stenosis  
Lecturer: Gregory P. Fontana

11:02 AM  Roundtable Discussion

11:10 AM  PARTNER 3 Low Risk Computed Tomography Substudy: Subclinical Leaflet Thrombosis in Transcatheter and Surgical Bioprosthetic Valves  
Lecturer: Raj Makkar

11:22 AM  Roundtable Discussion

11:30 AM - 12:15 PM  
Live Cases #4
11:30 AM OhioHealthRiverside Methodist Hospital Columbus OH Endo
Live Case Operator: Gary M. Ansel, Charles F. Botti, Jr., Christopher Huff, Michael Jolly, John Phillips, Mitchell J. Silver

12:15 PM Mitral Valve in Valve: 1 Year Outcomes of Transcatheter Mitral Valve Replacement for Degenerated Mitral Bioprostheses
Lecturer: Mayra Guerrero

12:15 PM Live Case Transmission Theater III: Friday, Sept. 27
Live Case Transmission Theater III: Friday, Sept. 27
Structural: Non-ValveStructural: ValveVascular
FRIDAY, SEPTEMBER 27, 2019
8:00 AM - 9:30 AM
Live Case Theater

8:00 AM - 9:30 AM Session I: Live Cases — Endovascular

11:15 AM Ballad Health System CVA Heart Institute Kingsport TN
Live Case Operator: Mark Aziz, D. Christopher Metzger
METALLIC DES PART 2: HIGH-RISK PATIENTS AND REVASCULARIZATION FAILURES

**Metallic DES Part 2: High-Risk Patients and Revascularization Failures**

**Coronary: Core**

**FRIDAY, SEPTEMBER 27, 2019**

**8:00 am - 10:00 am**

**Room 152/154**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Lecturer</th>
<th>Location</th>
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<tbody>
<tr>
<td>8:00 am</td>
<td>Revascularization in Stable CAD: What Do the New 2019 ESC Guidelines Recommend</td>
<td>Jeffrey J. Popma</td>
<td>Room 103/105</td>
</tr>
<tr>
<td>8:07 am</td>
<td>Preview From the Upcoming Ischemia Trial</td>
<td>Jean FAJADET</td>
<td>Room 103/105</td>
</tr>
<tr>
<td>8:14 am</td>
<td>PCI vs. CABG in Multivessel Disease With and Without Diabetes: Latest Clinical Trial Data</td>
<td>Sripal Bangalore</td>
<td>Room 103/105</td>
</tr>
<tr>
<td>8:21 am</td>
<td>Elective High Risk PCI and Hemodynamic Support: Evidence Based and Experience Based Recommendations</td>
<td>Divaka Perera</td>
<td>Room 103/105</td>
</tr>
<tr>
<td>8:28 am</td>
<td>PROTECT III First Look: High Risk PCI Outcomes in 800 Impella Supported Patients</td>
<td>-</td>
<td>Room 103/105</td>
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</tbody>
</table>

**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**

<table>
<thead>
<tr>
<th>Time</th>
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<td>PROTECT III First Look: High Risk PCI Outcomes in 800 Impella Supported Patients</td>
<td>-</td>
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</tbody>
</table>
8:00 am - 9:00 am
Session I: The Debates and "Rules of the Road" for PFO Closure in Secondary Stroke Prevention
Moderators: John D. Carroll, David E. Thaler

8:00 am PFO Closure for Stroke: The Debate Is Over
Lecturer: Stephen J.D. Brecker

8:08 am PFO Closure for Primary Prevention: The Debate Has Started A Case Example and a Clinical Trial Proposal
Case Presenter: Fabian Nietlispach

8:16 am The Heart Brain Team: PFO Closure Should Require the Approval of a Neurologist
Lecturer: Andrew Michael Goldswieg

8:24 am PFO in 2019 A Neurologists Perspective
Lecturer: David E. Thaler

8:34 am Who Should Perform PFO Closure and Where The SCAI Expert Consensus Statement
Lecturer: Clifford J. Kavinsky

8:44 am What is a High Risk PFO and Should it Affect the Decision to Close
Lecturer: Jonathan M. Tobis

8:52 am Roundtable Discussion With Audience QA

9:00 am - 10:00 am
Session II: Clinical Issues in PFO Closure
Moderators: Thomas K. Jones, David E. Thaler
Discussants: Elliott Michael Groves, Clifford J. Kavinsky, Michael J. Mullen, John F. Rhodes, Kolja Sievert, Zachary Steinberg

9:00 am To Close or Not to Close the PFO: Incorporation of Patient Preferences and Shared Decision Making
Lecturer: Suzanne J. Baron

9:08 am Is PFO Closure Only Beneficial in Large Shunts
Lecturer: Srihari S. Naidu

9:16 am The Minimalist Approach to PFO Closure: The Toronto Experience With Fluoroscopic Guidance Alone
Lecturer: Eric Horlick

9:24 am The Minimalist Approach to PFO Closure: The Chinese Experience
Lecturer: Xiangbin Pan

9:32 am Complications of PFO Closure: Just the Facts Maam
Lecturer: Jacqueline Saw

9:40 am The Antiplatelet Drug Test to Determine Responsivity and the Next Generation PFO Closure Migraine Trial
Lecturer: Mark Reisman

9:48 am Roundtable Discussion With Audience QA

INTRAVASCULAR IMAGING STENT GUIDANCE: PART 2 — THE DETAILS

Intravascular Imaging Stent Guidance: Part 2 — The Details

Coronary: Core
TAVR TECHNOLOGY AND ASSOCIATED DEVICES

Case Presenter: Xuebo Liu

11:56 AM Roundtable Discussion With Audience QA

TAVR TECHNOLOGY AND ASSOCIATED DEVICES

Structural Valve

FRIDAY, SEPTEMBER 27, 2019
10:00 AM - 12:28 PM
Room 155/157

10:00 AM - 11:00 AM
Session I: Technology Forum, Part 1 — New TAVR Systems
Moderators: Michael J. Reardon, John G. 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
10:08 AM Program Update: The LOTUS EDGE TAVR System
   Lecturer: Christopher U. Meduri
10:16 AM Program Update: The ACURATE NEO TAVR System
   Lecturer: Michael J. Reardon
10:24 AM Roundtable Discussion with Audience QA

10:30 AM The TAVR NEW Comers: Snapshots
10:36 AM The Self Expanding Single Operator CENTERA TAVR System
   Lecturer: Markus Albert Kasel
10:42 AM The Anatomically Correct Transfemoral JenaValve TAVR System
   Lecturer: Hendrik Treede
10:48 AM The Venus A and A Plus TAVR System
   Lecturer: Horst Sievert
10:54 AM Roundtable Discussion with Audience QA

11:00 AM When Transfemoral IS NOT an Option for TAVR I Prefer...
11:08 AM Percutaneous Transaxillary TAVR: A Brief Tutorial
   Lecturer: Amir Kaki
11:16 AM Open Transcarotid TAVR: A Brief Tutorial
   Lecturer: Keith B. Allen
11:24 AM Roundtable Discussion with Audience QA

11:28 AM Novel Large Hole Access Closure Devices
11:33 AM Large Hole Transfemoral Closure I: The PerQseal Device
   Lecturer: Jeffrey J. Popma
11:38 AM Large Hole Transfemoral Closure II: The InSeal Device
   Lecturer: Ran Kornowski
11:46 AM Roundtable Discussion with Audience QA

11:50 AM Innovation Gone Wild
11:58 AM Roundtable Discussion with Audience QA

12:00 PM A Novel Pre Shaped LV Pacing Guidewire for TAVR
   Lecturer: John G. Webb
12:18 PM The Bay Labs AIDL Point of Care Echo Acquisition and Interpretation System
   Lecturer: Randolph P. Martin
12:26 PM Roundtable Discussion with Audience QA

12:30 PM

LEFT ATRIAL APPENDAGE CLOSURE: PART 2 — UNANSWERED QUESTIONS, FUTURE DIRECTIONS
2:00 - 3:45 PM
Session I: Issues After LAA Closure
Moderators: Saibal Kar, Ramon Quesada
Discussants: 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
Moderators: Jacqueline Saw, Apostolos Tzikas
Discussants: Philippe Garot, Elliott Michael Groves, Hüseyin Ince, Issam D. Moussa, Stefan Verheye, Dee Dee Wang

2:45 PM Keynote Lecture: The Spectrum of LAA Closure Technology Current and Emerging Devices
Lecturer: Horst Sievert

3:00 PM Case Based Device Selection: Matching the Device With the Anatomy
Lecturer: Reda Ibrahim

3:10 PM Roundtable Discussion With Audience QA

3:20 PM Utility of CT for Pre Procedural Planning and Device Selection
Lecturer: Michael Rinaldi

3:27 PM ICE Guidance as the Primary Strategy for LAA Closure: Technique and Data
Lecturer: Mohamad Adnan Alkhouli

3:34 PM Roundtable Discussion With Audience QA

PCI PHARMACOTHERAPY: PART 2

PCI Pharmacotherapy: Part 2

Coronary: Core
TAVR SPECIAL SITUATIONS (VIV, BICUSPID, AR, LOW-FLOW, OTHER)

TAVR Special Situations (VIV, Bicuspid, AR, Low-Flow, Other)

FRIDAY, SEPTEMBER 27, 2019
2:00 PM - 4:00 PM
Room 155/157

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 Roundtable Discussion With Audience QA

THE LEFT MAIN AND BIFURCATION SUMMIT: PART 2

The Left Main and Bifurcation Summit: Part 2
Coronary: CHIP

FRIDAY, SEPTEMBER 27, 2019
2:00 PM - 4:00 PM
Room 151/153

2:00 PM - 3:02 PM
Session I: LM Bifurcation PCI — When?
PHYSIOLOGIC LESION ASSESSMENT AND INTERVENTIONAL PLANNING: PART 2 — NEW DEVELOPMENTS IN CORONARY PHYSIOLOGY

Physiologic Lesion Assessment and Interventional Planning: Part 2 — New Developments in Coronary Physiology
### PULMONARY HYPERTENSION AND ACUTE AND CHRONIC PULMONARY EMBOLI THERAPIES: PART 2

**Pulmonary Hypertension and Acute and Chronic Pulmonary Emboli Therapies: Part 2**

**Vascular**

**FRIDAY, SEPTEMBER 27, 2019**

4:00 PM - 6:00 PM

Room 156/158

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Lecturer Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>4:00 PM</td>
<td>Classification of Pulmonary Hypertension and Overview of CTEPH</td>
<td>Lecturer: Ori Ben-Yehuda</td>
</tr>
<tr>
<td>4:08 PM</td>
<td>Pulmonary Thromboendarterectomy: Experience With Over 4000 Cases at UCSD</td>
<td>Lecturer: Michael M. Madani</td>
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<tr>
<td>4:18 PM</td>
<td>Balloon Pulmonary Angioplasty for CTEPH I: Current Technique and Outcomes</td>
<td>Lecturer: Ehtisham Mahmud</td>
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<tr>
<td>4:26 PM</td>
<td>Balloon Pulmonary Angioplasty for CTEPH II: Patient Selection and Complications</td>
<td>Lecturer: Xhorlina Marko</td>
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<tr>
<td>4:34 PM</td>
<td>Balloon Pulmonary Angioplasty for CTEPH III: Registry Data From Europe</td>
<td>Lecturer: Irene Marthe Lang</td>
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<td>4:42 PM</td>
<td>Roundtable Discussion With Audience QA</td>
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<tr>
<td>4:50 PM</td>
<td>Case 1: Balloon Pulmonary Angioplasty</td>
<td>Case Presenter: Ehtisham Mahmud</td>
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<tr>
<td>4:56 PM</td>
<td>Case 2: Balloon Pulmonary Angioplasty</td>
<td>Case Presenter: Irene Marthe Lang</td>
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</tbody>
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5:02 PM - 6:00 PM

Session II: Pulmonary Artery Denervation and Other PHTN Approaches

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### STEMI, CARDIAC ARREST, AND CARDIOGENIC SHOCK: PART 2

**STEMI, Cardiac Arrest, and Cardiogenic Shock: Part 2**

**Coronary: CHIP**

**FRIDAY, SEPTEMBER 27, 2019**

4:00 PM - 6:00 PM

Room 151/153

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Lecturer Information</th>
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<tbody>
<tr>
<td>4:00 PM</td>
<td>Acute Cardiogenic Shock: The Number One Unresolved Challenge in Cardiovascular Disease</td>
<td>Lecturer: William W. O'Neill</td>
</tr>
<tr>
<td>4:08 PM</td>
<td>Classification Schemes for Cardiogenic Shock</td>
<td>Lecturer: Amir Lotfi</td>
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<tr>
<td>4:15 PM</td>
<td>Mechanical Support in Acute Cardiogenic Shock: State of the Evidence and Future Directions</td>
<td>Lecturer: E. Magnus Ohman</td>
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<tr>
<td>4:23 PM</td>
<td>While Awaiting More Clinical Trial Data: Real World Approaches to Cardiogenic Shock and Hemodynamic Support</td>
<td>Lecturer: Alexander George Truesdell</td>
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<tr>
<td>4:31 PM</td>
<td>The Case for Left and Right Sided Impella in Acute Cardiogenic Shock</td>
<td>Lecturer: Nima Aghili</td>
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<tr>
<td>4:39 PM</td>
<td>The Case for ECMO in Acute Cardiogenic Shock</td>
<td>Lecturer: Daniela Trabattoni</td>
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TRANSCATHETER MITRAL VALVE REPAIR: BEYOND THE MITRACLIP

Transcatheter Mitral Valve Repair: Beyond the MitraClip

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 Sadhi, 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

4:16 PM New Transseptal Technology
Lecturer: Anita Asgar

4:22 PM Roundtable Discussion With Audience QA

4:27 PM Leaflet Technologies and Chordal Replacement: Surgical Lessons Learned
Lecturer: Marc Gillinov

4:33 PM Leaflet Technologies I: Pascal Device Description Results and Ongoing Studies
Lecturer: Scott Lim

4:40 PM Leaflet Technologies II: MitraStitch and Valve Clamp Device Description Results and Ongoing Studies
Lecturer: Mao Chen

4:45 PM Roundtable Discussion With Audience QA

4:51 PM Chordal Replacement Transapical: Neochord and Harpoon Device Description Results and Ongoing Studies
Lecturer: Michael A. Borger

4:59 PM Chordal Replacement Transseptal: Pipeline Chordart and CardioMech Device Description Results and Ongoing Studies
Lecturer: Gorav Ailawadi

5:06 PM Roundtable Discussion With Audience QA

5:12 PM - 6:15 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 AM LATE BREAKING FIM First Case of PIPELINE Chordal Replacement
Lecturer: Steven F. Bolling

6:03 AM Roundtable Discussion With Audience QA

TCT INNOVATION V: KEYNOTE INNOVATION INTERVENTIONAL STUDIES

TCT Innovation V: Keynote Innovation Interventional Studies
Innovation

FRIDAY, SEPTEMBER 27, 2019
8:00 AM - 12:00 PM Innovation & Keynote Theater

8:00 AM - 5:57 PM Interventional Heart Failure and Hypertension Therapies
Moderators: Daniel Burkhoff, Nir UrielDiscussants: Michael Jonas, Ulrich P. Jorde, Susan M. Joseph, JoAnn Lindenfeld, Felix Mahfoud, Clyde W. Yancy

8:00 AM Levoatrial to Coronary Sinus Shunting as a Novel Strategy for Symptomatic Heart Failure: First in Human Experience
Lecturer: Benjamin Hibbert

8:07 AM Pilot Study to Assess Safety and Efficacy of a Novel Atrial Flow Regulator in Patients with HFrEF and HFpEF: 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 II: Emerging Drug-Coated Balloon Technologies
Moderators: Bruno Scheller, Pieter R. StellaDiscussants: Robert M. Bersin, Bernardo Cortese, Neal Fearnott, Sudhir Rathore, Stephan Windecker, Bo Xu

8:49 AM Absence of Risk of Death After Coronary Paclitaxel Coated Balloons: Systematic Review and Meta Analysis of Randomized Trials
Lecturer: Bruno Scheller

8:56 AM Clinical Outcome at 6 Months Between Paclitaxel Coated Balloon vs. Sirolimus Coated Balloon in De Novo Coronary Lesions
Lecturer: Sandeep Basavarajiah

9:03 AM Moderated Discussion

9:09 AM EASTBORNE Registry: 1 Year Follow Up of a Broad Population Treated With a Sirolimus Coated Balloon for Coronary Artery Disease
Lecturer: Bernardo Cortese

9:16 AM SELUTION SLR: A Sustained Limus Release Drug Eluting Balloon First Human Data From a Multicenter Coronary Trial
Lecturer: Stephane Windecker

9:23 AM Moderated Discussion

9:29 AM - 10:27 AM Session XVI: DES and Other Emerging Coronary Technologies

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 Angiolite 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 Enríquez

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. SchneiderDiscussants: Stanislaw Bartus, Lawrence A. Garcia, Robert A. Lookstein, Kenneth Ouriel, Bruno Scheller, Renu Virmani

Lecturer: Srimat 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: Simon J. Walsh
2:00 PM - 3:00 PM
Peripherarterial 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
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

HIGH-IMPACT CLINICAL RESEARCH II: HIGH-RISK DISEASE AND NOVEL THERAPIES

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

3:00 PM - 4:00 PM
High-Risk Disease and Novel Therapies
Moderators: Antonio Colombo, Pieter C. Smits
Discussants: Carlos Collet, Giovanni Esposito, Nicolas Foin, James A. Goldstein, Stephen P. Hoole, Norman E. Lepor

3:00 PM
CIT RESOLVE: A Randomized Trial of Sidebranch Protection in Patients With Coronary Bifurcations and High Predicted Risk of Sidebranch Occlusion
Lecturer: Bo Xu
**HIGH-IMPACT CLINICAL RESEARCH III: PHARMACOTHERAPY STRATEGIES AND CALCIFIED LESIONS**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event Description</th>
<th>Lecturer(s)</th>
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<tbody>
<tr>
<td>3:10 PM</td>
<td>Roundtable Discussion With Audience QA</td>
<td>Divaka Perera</td>
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<tr>
<td>3:15 PM</td>
<td>PROTECCT: A Randomized Trial of Emergency CTA in Patients With Possible ACS and Intermediate Levels of HS Troponin Elevation</td>
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<tr>
<td>3:25 PM</td>
<td>Roundtable Discussion With Audience QA</td>
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<tr>
<td>3:30 PM</td>
<td>MAGSTEMI: A Randomized Trial of a Magnesium Based Sirolimus Eluting Resorbable Scaffold vs. Metallic DES in Patients With STEMI</td>
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<td>3:40 PM</td>
<td>Roundtable Discussion With Audience QA</td>
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<tr>
<td>3:45 PM</td>
<td>ABSORB 5 Year Pooled Analysis: Improving Very Late Outcomes of the Absorb Bioresorbable Scaffold in Coronary Artery Disease From 4 Randomized Trials</td>
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<tr>
<td>3:55 PM</td>
<td>Roundtable Discussion With Audience QA</td>
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**FDA TOWN HALL MEETING PART 2: HOT TOPICS**

**Innovation**

**FRIDAY, SEPTEMBER 27, 2019**

2:00 PM - 5:45 PM
Room 205-206

**Session I: Addressing the Need for Heart Failure Devices — Regulatory, Clinical, and Industry Challenges**

Moderators: Nicole Ibrahim, JoAnn Lindenfeld

- **2:00 PM** Devices for Heart Failure: FDA Perspectives on Trial Designs and Endpoints
  - Lecturer: Bram D. Zuckerman
- **2:07 PM** ARC Initiative for Heart Failure and Shock: HF ARC Shock ARC and More
  - Lecturer: Christopher O’Connor
- **2:14 PM** Industry View on Controlled Trials for Heart Failure and Shock Devices
  - Lecturer: William T. Abraham
- **2:22 PM** Perspectives on Infarct Size as a Surrogate in STEMI
  - Lecturer: Navin K. Kapur
- **2:29 PM** Roundtable Discussion With Audience QA

**Session II: Device Treatment for Shock — Regulatory, Clinical, and Industry Challenges**

Moderators: Fernando Aguel, William W. O’Neill
Discussants: Lori M. Ashby, Lauren S. Baker, David A. Baran, Seth David Bilazarian, Emmanouil S. Brilakis, Juan F. Granada, Cindy L. Grines, Michael Mooney, E. Magnus Ohman, Ileana L. Pina, Holger Thiele

- **2:49 PM** Devices to Treat Shock: Regulatory Perspectives
  - Lecturer: Fernando Aguel
- **2:56 PM** Industry Perspectives on Controlled Trials for Shock Devices
  - Lecturer: Seth David Bilazarian
- **3:03 PM** Designing Controlled Trials for Shock Devices: Population Targets and Safety and Effectiveness Considerations
  - Lecturer: Anthony H. Gershlick
- **3:11 PM** Reimbursement Pathways for Shock Devices
3:19 PM  Roundtable Discussion With Audience QA

3:39 PM - 4:13 PM  Session III: High Bleeding Risk Patients — Trial Designs for Novel Stents and Shortened DAPT Duration
Moderators: Adrian Magee, Roxana Mehran
Discussants: Davide Capodanno, C. Michael Gibson, Mitchell W. Krucoff, David J. Moliterno, Marie-Claude Morice, Dragica Paunovic, Sunil V. Rao, Philip M. Urban, Marco Valgimigli, Stephan Windecker

3:39 PM  Defining High Bleeding Risk: HBR ARC
Lecturer: Philip M. Urban

3:46 PM  Regulatory Considerations for High Bleeding Risk Patients Undergoing PCI
Lecturer: Adrian Magee

3:53 PM  Roundtable Discussion With Audience QA

3:39 PM - 4:13 PM  Session IV: Mitral Repair/Replacement Devices — Evolving Regulatory Considerations
Moderators: Gregg W. Stone, Changfu Wu
Discussants: Lori M. Ashby, Andrew Farb, Ted E. Feldman, Howard C. Herrmann, Nicole Ibrahim, Saibal Kar, Martin B. Leon, Michael J. Mack, Neil E. Moat, Jaime Raben, Kartik Sundareswaran, Eric Vang

4:13 PM  Pivotal Transcatheter FMR Device Trials: Future Perspectives One Year After COAPT and MITRA FR
Lecturer: Gregg W. Stone

4:21 PM  Transcatheter Mitral Valve Repair and Replacement Pivotal Trials: Industry Perspectives
Lecturer: Ted E. Feldman

4:28 PM  Transcatheter Mitral Valve Repair and Replacement Pivotal Trials: Regulatory Considerations
Lecturer: Changfu Wu

4:35 PM  Transcatheter Mitral Valve Repair and Replacement Devices: Reimbursement Considerations
Lecturer: Lori M. Ashby

4:42 PM  Roundtable Discussion With Audience QA

5:02 PM - 5:45 PM  Session V: New Applications for TAVR — Controversies in Approval Pathways
Moderators: Martin B. Leon, Jaime Raben

5:02 PM  Regulatory Considerations for New Valves and Adjunctive Devices
Lecturer: Jennifer Bastijanic

5:10 PM  TAVR for Bicuspid Aortic Stenosis: What Is Known and What Is Not
Lecturer: Michael J. Mack

5:17 PM  TAVR for Aortic Regurgitation: Clinical Device Evaluation Considerations
Lecturer: Vinod H. Thourani

5:24 PM  Roundtable Discussion With Audience QA

FRIDAY, SEPTEMBER 27, 2019
12:15 PM - 1:45 PM  Cath Lab Radiation Management
Room 203

12:15 PM  Introduction and Basics
Lecturer: Stephen Balter

12:25 PM  Physician Safety and Emerging Technology Solutions
Lecturer: James A. Goldstein

12:35 PM  Patient and Staff Safety Considerations
Lecturer: Kristin Bottone, Cynthia Wilson

12:45 PM  Minimizing Patient Radiation Exposure
Lecturer: Sanjog Kalra

12:55 PM  Roundtable Discussion With Audience QA

1:05 PM  VA Healthcare Failure Mode Effect Analysis
Lecturer: Edwin M. Leidholdt, Jr.

1:15 PM  Patient Radiation Tracking and Results
Lecturer: Madan M. Rehani

1:25 PM  JC Fluoro Requirements
Lecturer: Stephen Balter

1:30 PM  Roundtable Discussion With Audience QA

CLINICAL TRIAL DESIGN, STATISTICS, AND LITERATURE INTERPRETATION: THE EVIDENCE-BASED MEDICINE EXPERT — PART 1

Clinical Trial Design, Statistics, and Literature Interpretation: The Evidence-Based Medicine Expert — Part 1

FRIDAY, SEPTEMBER 27, 2019
12:15 PM - 1:45 PM  Clinical Trial Design, Statistics, and Literature Interpretation: The Evidence-Based Medicine Expert
Room 201-202

12:15 PM  Clinical Trial Design, Statistics, and Literature Interpretation: The Evidence-Based Medicine Expert
Moderators: Stuart J. Pocock, Jan G. P. Tijssen

CATH LAB RADIATION MANAGEMENT: IN REMEMBRANCE OF CHARLES CHAMBERS

Cath Lab Radiation Management: In Remembrance of Charles Chambers
**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

12:15 PM - 12:25 PM
Session I: The Search for the Vulnerable Plaque
Moderator: James E. Muller, Gregg W. Stone

12:15 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 IVUS and OCT Imaging for the Detection of Vulnerable Plaque and Patients
Lecturer: Francesco Prati

12:32 PM Updated Results and Implications of the Lipid Rich Plaque Study of NIR Spectroscopy

**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 - 1:45 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
Debate 1: The Diabetic Patient With Multivessel CAD
12:15 PM The Case for Optimal Medical Therapy First in Most
Lecturer: William E. Boden
12:22 PM The Case for CABG in Most
Lecturer: Michael A. Borger
12:29 PM The Case for PCI in Most
Lecturer: Sripal Bangalore

Roundtable Discussion With Audience QA
12:36 PM
12:41 PM
12:48 PM

Debate 2: Stent Choice in the Diabetic Patient
12:41 PM Most Contemporary DES Will Provide Similar Outcomes
Lecturer: Davide Capodanno
12:48 PM Some Stents Are More Equal Than Others e.g. Ultra Thin
Lecturer: David E. Kandzari

Discussion With Audience QA
12:55 PM
1:00 PM
1:07 PM
1:14 PM

Debate 3: Pharmacology in the Post Stent Diabetic Patient
1:00 PM The Case for Long Term 1 Year DAPT
Lecturer: Usman Baber
1:07 PM The Case for Short Term 1 6 Months DAPT
Lecturer: Anand Prasad
1:14 PM Don’t Forget Anticoagulant Therapy
Lecturer: Sanjit S. Jolly

Roundtable Discussion With Audience QA
1:21 PM
1:26 PM
1:33 PM
1:40 PM

Debate 4: Who Should Direct the Management of the Diabetic Patient With CAD
1:26 PM The Cardiologist Should Play a Major Role in Diabetes Management
Lecturer: Matthew Cavender
1:33 PM Leave It to the Endocrinologist
Lecturer: Sonya Burgess

Roundtable Discussion With Audience QA
1:40 PM

TCT ENDOVASCULAR AND VEITH: AORTIC THERAPIES

TCT ENDOVASCULAR: TREATMENT OF ACUTE PULMONARY EMBOLISM

TCT Endovascular: Treatment of Acute Pulmonary Embolism
Vascular

FRIDAY, SEPTEMBER 27, 2019
12:15 PM - 1:45 PM
Room 216

12:15 PM - 1:45 PM
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.

12:15 PM Welcome
Lecturer: Robert A. Lookstein
12:20 PM Acute PE: Scope of the Problem
Lecturer: Gregory Piazza
12:30 PM Catheter Directed Thrombolysis for Submassive Acute PE: The New Standard
Lecturer: Sanjum S. Sethi
12:45 PM Large Bore Thromboaspiration Is a Game Changer: The New Kid on the Block
Lecturer: Thomas M. Tu
12:55 PM Not So Fast: Small Bore Thromboaspiration Is All You Need
Lecturer: Michael Rosenberg
1:05 PM A New Technology for Thrombolysis and Thromboectomy
Lecturer: Riyaz Bashir
1:15 PM PERT is the Only Way to Improve Patient Care and Change the Outcomes
Lecturer: Jay S. Giri
1:25 PM Roundtable Discussion With Audience QA
Lecturer: Robert A. Lookstein
1:40 PM Closing Remarks
Lecturer: Jay S. Giri
TEVAR as an All Percutaneous Approach Under Local Anesthesia: Tricks and Strategies  
Lecturer: Zvonimir Krajcer  
12:33 PM

New Developments in the Management of Acute Uncomplicated TBAD  
Lecturer: Virendra I. Patel  
12:39 PM

Why RCTs Comparing Open Repair for Ruptured AAAs are Misleading and Not Generally Applicable: EVAR is Best if it Can be Done  
Lecturer: Frank J. Veith  
12:45 PM

Roundtable Discussion With Audience QA  
1:00 PM

Strategies to Solve Unexpected Major Complications During Endo Repair of Thoracoabdominal Aneurysms  
Lecturer: William J. Quinones-Baldrich  
1:06 PM

EVAR Explants: Technical Challenges and Outcomes  
Lecturer: Virendra I. Patel  
1:12 PM

Real World Multicenter Experience With the Gore Iliac Branched Devices for Unilateral and Bilateral Iliac Aneurysms: Technical Tips and Outcomes  
Lecturer: Danielle Bajakian  
1:18 PM

EVAR Advantages for the Repair of Ruptured AAAs: Strategies to Increase Its Feasibility  
Lecturer: Brian G. DeRubertis  
1:24 PM

Endovascular Aortobiiliac Stent Grafting for Juxtarenal Aortoiliac Disease: Technique Devices and Results  
Lecturer: Michael B. Silva, Jr.  
1:30 PM

Roundtable Discussion With Audience QA  
1:35 PM

TECHNIQUES AND CASE STUDIES IN PFO CLOSURE  
FRIDAY, SEPTEMBER 27, 2019  
12:15 PM - 1:45 PM  
Room 207

Techniques and Case Studies in PFO Closure  
Structural: Non-Valve

Case Presentation With Discussion: Your Patient Is on the Table for PFO Closure but No PFO Is Found  
Case Presenter: Eric Horlick  
12:15 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  
1:43 PM

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

Session I: Diversity Within the Interventional Cardiology Workforce — What Matters and Why?  
Moderators: Wayne B. Batchelor, Clyde W. Yancy  
Discussants: Oluseun Alli, Marianne Brodmann, Uzoma Ibebuogu, A.J. Conrad C. Smith, Jennifer A. Tremmel  
12:15 PM

Diversity in Medicine: Charting a Path Forward  
Lecturer: Clyde W. Yancy  
12:15 PM

12:15 PM - 1:00 PM

12:15 PM - 1:45 PM  
Room 215
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 SinghDiscussants: Merida Cardenas Manilla, Christian Roguelon, Jack Wei Chieh Tan, Aaron Wong Sung Lung

9:00 am Introduction
Lecturer: Michael Haude

9:05 am Till 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 (Li)

9:40 am Roundtable Discussion With Audience QA

9:45 am Unusual Situation During Transradial Intervention
Lecturer: Purich Surunchuakorn

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

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

**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 Wojakowski
Discussants: Carlos Cabrera, Pedro De Araujo Goncalves, Benjamin Hibbert, Afzalur Rahman
*Case Presenter: Wei Tso Chen*
*Case Presenter: Jesus Omar Hernandez Marquez*
*Case Presenter: Gibran Bhering Nascif*

**4:48 AM** - **4:53 AM**
**Voting Period: TCT Poll App Question Please Vote on the Case You Found Most Challenging Followed by Winner Announcement**
Award Presenter: Wojtek Wojakowski

**5:05 AM** - **5:30 AM**
**Roundtable Discussion With Audience QA**

### INTERNATIONAL COMPLEX CASE SESSION IV:
CORONARY THROMBUS MANAGEMENT AND OTHER SPECIAL PCI SITUATIONS

**Coronary: Core**
**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-Pons
Discussants: Magdy Abdelhamid, Pablo D. Charry-Amaya, Mohamed Chettibi, Ivo Petrov, Li-Wah Tam

**8:30 AM**
**Introduction**
## INTERNATIONAL COMPLEX CASE SESSION V: FEATURED COMPLEX CORONARY CASES

**Lecturer:** Carlos Cabrera  
8:35 AM Croatia Presents: Complex LMCA LAD 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  
Case Presenter: Jorge Villegas  
9:00 AM Roundtable Discussion With Audience QA  
9:05 AM Algeria Presents: Acute Stent Thrombosis An Allergic Cause  
Case Presenter: Mohamed Abed Bouraghda  
9:15 AM Roundtable Discussion With Audience QA  
9:20 AM Belgium Presents: A Case of Cardiogenic Shock Caused by Spontaneous Coronary Artery Dissection of the Left Main  
Case Presenter: Walter Desmet  
9:30 AM Roundtable Discussion With Audience QA  
9:35 AM Germany Presents: Overlapping Covered Stent Implantation for Treatment of Large Aneurysm in Proximal Left Anterior Descending Artery  
Case Presenter: Jochen Wohrle  
9:45 AM Roundtable Discussion With Audience QA  
9:50 AM Romania Presents: Complex Left Main Trifurcation PCI in a Patient With Left Circumflex and Right Coronary Artery CTO  
Case Presenter: Marin Postu  
10:00 AM Roundtable Discussion With Audience QA  
10:05 AM Switzerland Presents: When What You Always Fear Happens  
Case Presenter: Stephane Noble  
10:15 AM Roundtable Discussion With Audience QA  
10:20 AM Final Thoughts  
Lecturer: Jose L. Leiva-Pons

## INTERNATIONAL COMPLEX CASE SESSION VI: 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

**Lecturer:** Mohamed Ahmed Sobhy  
2:30 PM Bangladesh Presents: LAD Ostial PCI by an Innovative Technique  
Case Presenter: Afzalur Rahman  
2:42 PM Roundtable Discussion With Audience QA  
2:50 PM One Two Three Breakdance and Twist  
Lecturer: Tiziana Claudia Aranzulla  
2:57 PM Roundtable Discussion With Audience QA  
3:05 PM Bulgaria Presents: Complete Revascularization in Patient With Complex Coronary Artery Disease  
Case Presenter: Valery Gelev  
3:12 PM Roundtable Discussion With Audience QA  
3:19 PM Germany Presents: Complex Retrograde Recanalization of a Chronic Total Occluded Proximal LAD  
Case Presenter: Julia Seeger  
3:26 PM Roundtable Discussion With Audience QA  
3:33 PM Tunisia Presents: An Unusual Etiology of Stent Thrombosis  
Case Presenter: Habib Gamra  
3:40 PM Roundtable Discussion With Audience QA  
3:47 PM Final Thoughts  
Lecturer: Khalid Omar Tammam

**Lecturer:** Rabin dra Nath Chakraborty  
4:00 PM Taiwan Presents: Re Wipe the RCA CTO
**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
Chairs: Gregg W. Stone, Michael A. Weber
Faculty: Stefan C. Bertog, David E. Kandzari, Melvin D. Lobo, Felix Mahfoud, Horst Sievert

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

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)
Chairs: William F. Fearon
Faculty: Carlos Collet, Subbarao V. Myla, Bruce Samuels, Rahul Prakash Sharma

6:45 am
The Revolution of Image based FFR Introducing the CathWorks FFRangio System

EXPERT EXPERIENCE WITH STENT GRAFTS IN TREATING CHALLENGING PERIPHERAL DISEASE (SPONSORED BY GORE & ASSOCIATES)

**Expert Experience With Stent Grafts in Treating Challenging Peripheral Disease (Sponsored by Gore & Associates)**

**FRIDAY, SEPTEMBER 27, 2019**
6:30 am - 7:45 am
Room 207

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

6:45 am - 7:45 am
Expert Experience With Stent Grafts in Treating Challenging Peripheral Disease
Faculty: Ehrin J. Armstrong, Aravinda Nanjundappa

6:45 am
Treating Challenging SFA Disease in the Era of Paclitaxel Uncertainty
Presenter: Aravinda Nanjundappa

7:15 am
Complex Aortoiliac Occlusive Disease: Achieving Differentiated Performance Through Advanced Technology
Presenter: Ehrin J. Armstrong
LEFT MAIN BIFURCATION SYMPOSIUM (SPONSORED BY INDIA MEDTRONIC PVT. LTD.)

**Speaker:** 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 Lesions Diffuse Disease Results from the Pullback Study
**Presenter:** Carlos Collet

**7:21 AM** FFRangio in Routine Clinical Practice US Experience of First 500 Cases
**Presenter:** Rahul Prakash Sharma

**7:33 AM** FFRangio Future Clinical Direction
**Presenter:** Subbarao V. Myla

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**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** QA Session

**7:05 AM** Double Indication 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** QA Session

**7:25 AM** Impella Facilitated IVUS Guided Left Main With Double CTO Revascularisation in NSTEMI With Severe LV Impairment and Severe Ischaemic Mitral Regurgitation
**Case Presenter:** Kolaivani Mahadevan

**7:40 AM** QA Session

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**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**

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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
Chairs: Jasvindar SinghFaculty: Javier Escaned, Allen Jeremias

6:45 am Introductions
Presenter: Jasvindar Singh

6:50 am Ultra Low Contrast PCI
Presenter: Jasvindar Singh

7:05 am Applying DEFINE PCI to Everyday PCI
Presenter: Allen Jeremias

7:20 am How Artificial Intelligence AI Will Change PCI
Presenter: Javier Escaned

7:35 am QA Session

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)

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)

FRIDAY, SEPTEMBER 27, 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
Optimization of Vessel Access and Closure in Large-Bore Catheter Procedures: Tips and Tricks Case-Based Review
Chairs: Philippe Genereux, Martin B. LeonFaculty: Amir Kaki, James M. McCabe, Michael Rinaldi, Rajiv Tayal, David A. Wood

6:45 am Introduction
Lecturer: Martin B. Leon

6:47 am Getting Optimal Arterial and Venous Access for Large Bore Catheter Procedures
Lecturer: Michael Rinaldi

6:57 am Large Bore Vessel Closure Management: Tips and Tricks and Adjunctive Techniques
Lecturer: Amir Kaki

7:07 am Access and Closure for Alternative Access: Focus on Percutaneous Transaxillary Approach
Lecturer: James M. McCabe

7:17 am Real Time Bleed Detection: Novel Saranas Early Bird Bleed Monitoring
Lecturer: Philippe Genereux

7:27 am Upcoming Closure Device System Dedicated to Large Bore Procedure
Lecturer: David A. Wood

7:37 am Discussion and Conclusion

7:45 am Adjourn

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)

FRIDAY, SEPTEMBER 27, 2019
6:30 am - 7:45 am
Room 209-210

6:30 am - 6:45 am
Check- In & Breakfast

6:45 am - 7:45 am
The Approach to the High Bleeding Risk Patient
Chairs: Roxana Mehran, Philip M. UrbanFaculty: Dominick J. Angiolillo, Robert A. Byrne, Davide Cao, Davide Capodanno, Giuseppe De Luca, Robbert J. De Winter, Ajay J. Kirtane, Mitchell W. Krucoff

6:45 am Welcome and Introductions
Lecturer: Roxana Mehran

6:46 am Case Presentation: A Patient at High Bleeding Risk and CAD Real Management Dilemmas
Case Presenter: Davide Cao

6:50 am Identifying the High Bleeding Risk Patient: The ARC HBR Definitions
Lecturer: Philip M. Urban

6:56 am Clinical Trial Design in HBR Patients: Should Risk Scores Be Incorporated
Lecturer: Davide Capodanno

7:02 am XIENCE ONYX Short DAPT Programs
Lecturer: Mitchell W. Krucoff

7:07 am COMBO REDUCE
Lecturer: Giuseppe De Luca

7:12 am COBRA REDUCE MASTER DAPT
Lecturer: Robert A. Byrne

7:17 am EVOLVE LEADERS Short DAPT Programs
TRANSFORMING ROBOTICS INTO AN ADVANCED CLINICAL TOOL THROUGH AUTOMATION AND REMOTE CAPABILITIES (SPONSORED BY CORINDUS VASCULAR ROBOTICS)

Be Calculated: Case-Based Discussion of Optimizing PCI in Severe Calcific Coronary Artery Disease (Sponsored by Cardiovascular Systems, Inc.)

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)

11:30 AM - 12:30 PM
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
Presentation Theater 4

11:30 AM  State-of-the-Art BP-DES: Optimizing Antiplatelet Therapy After PCI in Complex and High Bleeding Risk Patients
   
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
   Lecturer: Amit Amin

12:05 PM  AKI Reduction in the Cath Lab: Protocol Development Implementation and Outcomes
   Lecturer: Nandish Thukral

12:15 PM  Back to the Case: How Did I Manage This Patient
   Lecturer: Anand Prasad

12:20 PM  Panel Discussion and QA

12:30 PM  Adjourn
1:00 PM - 2:00 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

1:30 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

THE FUTURE OF RENAL DENERVATION 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 - 2:00 PM
The Future of Renal Denervation Is SOUND
Chairs: Ajay J. KirtaneFaculty: Chandan Devireddy, Naomi Fisher

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
Chairs: Jonathan M. Hill, Dean J. KereiakesFaculty: Peter A. Soukas, Rajiv Tayal, Thomas E. Waggoner

THE MODERN ERA OF VALVE THERAPY (SPONSORED BY CRF; SUPPORTED BY ABBOTT)
CHIP ANGIOGRAM REVIEW: WHAT’S NEW? (WITH FOCUSED CASE PRESENTATIONS) (SPONSORED BY CRF; SUPPORTED BY ABBOTT, ABIOMED, INC., BOSTON SCIENTIFIC CORPORATION, AND CSI)


FRIDAY, SEPTEMBER 27, 2019
6:00 AM - 8:00 AM
Yerba Buena Ballroom 8

6:00 AM - 6:30 AM
Check-in and reception

6:30 AM - 8:00 AM
CHIP Angiogram Review: What’s New? (With Focused Case Presentations)
Co-Chairs: Dimitri Karmpaliotis, Ajay J. Kirtane, Martin B. Leon, William L. Lombardi, Jeffrey W. Moses
Faculty: Ziad A. Ali, Aloide Chieffo, Kendra J. Grubb, Ning Guo, Allen Jeremias, Prashant Kaul, Kathleen Kearney, Annapoorna Kini, Azeem Latib, Nicholas J. Lembo, Akiko Maehara, James M. McCabe, Roxana Mehran, Vivian G. Ng, Manish A. Parikh, Andrew Sharp, Jasvinder Singh, Gregg W. Stone, Giora Weisz

6:30 AM Opening Salvo: Is CHIP Relevant and Where PCI Needs to Go in the Next 5 10 Years

Lecturer: Jeffrey W. Moses

6:40 AM Session I: Imaging and Physiology for CHIP
Moderators: Martin B. Leon
Panellists: Ziad A. Ali, Kendra J. Grubb, Ning Guo, Azeem Latib, Nicholas J. Lembo, Akiko Maehara, Gregg W. Stone

6:40 AM Why Imaging and Physiology Are Core Components of CHIP Cases
Lecturer: Allen Jeremias

Complex PCI Case With Imaging and Physiology
Case Presenter: Aloide Chieffo

6:48 AM Clinical Presentation
Angiogram

6:51 AM Discussion of Strategies and Audience Poll

6:56 AM Discussion of What Was Done

7:00 AM Summary With QA

7:05 AM Session II: Coronary Artery Calcium
Moderators: Gregg W. Stone
Panellists: Prashant Kaul, Annapoorna Kini, Jasvinder Singh, Giora Weisz

7:05 AM Keep Your Eyes Open: Insights Into the Treatment of Coronary Calcium
Lecturer: Ajay J. Kirtane

Calcium and Imaging Case Review
Case Presenter: Vivian G. Ng

7:13 AM Clinical Presentation
Angiogram

7:16 AM Discussion of Strategies and Audience Poll

7:22 AM Discussion of What Was Done

7:27 AM Summary With QA

7:32 AM Session III: Complex Multivessel PCI
Moderators: William L. Lombardi
Panellists: Dimitri Karmpaliotis, James M. McCabe, Roxana Mehran, Manish A. Parikh, Andrew Sharp

7:32 AM Weighing Benefits and Risks of Support: A Patient Oriented View
Lecturer: James M. McCabe

High Risk PCI Case Review
Case Presenter: Kathleen Kearney

7:40 AM Clinical Presentation
Angiogram

7:43 AM Discussion of Strategies and Audience Poll

7:49 AM Discussion of What Was Done

7:54 AM Summary With QA

8:00 AM Adjourn
China: Innovations in Structural Heart Disease (Organized by CRF; Sponsored by Venus Medtech)

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
China: Innovations in Structural Heart Disease
Chairs: Runlin Gao, Martin B. Leon
Faculty: Gorav Ailawadi, Mao Chen, Misbahul Ferdous, Jun Jiang, Scott Lim, Liwen Liu, Chaim S. Lotan, Jianfang Luo, Michael J. Mack, Jeffrey W. Moses, Horst Sievert, Ling Tao, Xu Wang, John G. Webb, Bo Xu

6:30 PM Welcome
Chair: Martin B. Leon

6:30 PM Dinovas Practice of New Innovation Model
Lecturer: Michael Zhao

6:37 PM Discussion

6:40 PM Venus Aortic Pipelines and Clinical Results
Lecturer: Jun Jiang

6:47 PM Discussion

6:50 PM Reshaping Strategy During TAVR Procedures
Lecturer: Mao Chen

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

Expanding Applications for Intravenous Platelet Inhibition (Sponsored by CRF; Supported by Chiesi)

FRIDAY, SEPTEMBER 27, 2019
6:00 PM - 8:00 PM
Yerba Buena Ballroom 7

6:00 PM - 6:30 PM
Check-in and reception

6:30 PM - 8:00 PM
Expanding Applications for Intravenous Platelet Inhibition
Co-Chairs: Matthew J. Price, Gregg W. Stone
Faculty: Dominick J. Angiolillo, David Erlinge, Francesco Franchi, Roxana Mehran

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
Challenging Cases 3

Structural: Valve
Coronary: CHIP
Coronary: Core
Vascular

Friday, September 27, 2019
9:15 AM - 10:45 AM
Hall D

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 Coronary Atherectomy for Non ST segment Elevation Myocardial Infarction
Presenting Author: Kohei Yoneda

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

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 1220: 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 SURGERY FOR ANTERIOR POST ISCHEMIC SEPTAL RUPTURE
Presenting Author: Angelo Quaglia

9:15 AM
TCT 1224: A Case of Acute Renal Failure with Hemolysis Caused by Impella
Presenting Author: Masao Takigami

9:15 AM - 10:45 AM
Coronary XII
Discussant: Tarun Chakravarty, Nabil Dib, Ingibjorg J. Gudmundsdottir

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 Ccomplicated by Diffuse Alveolar Hemorrhage DAH: Simultaneous use of an Impella CP and Venous Venous Extracorporeal Membrane Oxygenation ECMO in a case of ST Elevation Myocardial Infarction STEMI
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 Veno Arterial Extra Corporeal Membrane 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
9:15 am - 10:45 am
Endovascular IV
Discussant: Christopher J. Cooper, Beau Hawkins, J. Stephen Jenkins, Schuyler Jones, Zaza Kavteladze, Lee Kirksey, Matthew T. Menard

9:15 am
TCT 1246: Endovascular Treatment of Chronic Total Occlusion of Left Subclavian Artery Tips and Tricks
Presenting Author: Kusum Lata

9:15 am
TCT 1247: A New Approach to Management of Superficial Femoral Artery CTO: A Novel Hybrid Score and Algorithm
Presenting Author: Luai Tabaza

9:15 am
TCT 1248: COMPLEX BELOW THE KNEE VASCULAR INJURY: TRANSCOLATERAL EXCLUSION OF A GIANT PSEUDOANEURYSM AND REVASCULARIZATION WITH CORONARY TECHNIQUE
Presenting Author: Maria Rosa Aymat

9:15 am
TCT 1249: Proximal balloon occlusion to prevent downstream embolization and thus reduce systemic adverse effects of drug coated balloons
Presenting Author: Masayoshi Kimura

9:15 am
TCT 1250: Case of Renal Artery Stent Thrombosis
Presenting Author: Michael Brener

9:15 am
TCT 1251: Double Barrel Bilateral Iliac Artery Stenting Using Bilateral 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 1256: Is the qualification for limb amputation always final
Presenting Author: Przemek Nowakowski

9:15 am
TCT 1257: Endovascular Management of a Large Common Carotid Artery iatrogenic Pseudoaneurysm
Presenting Author: Sameer Nagpal

9:15 am - 10:45 am
Structural V
Discussant: Uzoma Ibebuogu, Vijay Iyer, Biswajit Kar, Marco A. Perin, Rishi Puri, Bernhard Reimers, Henrique B. Ribeiro, Neal Sawlani, Gerhard C. Schuler, Amit Segev

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
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Title</th>
<th>Presenting Author</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:15</td>
<td>TCT 1263: Prophylactic Left Ventricular Outflow Tract Septal Ablation Prior to Transcatheter Mitral Valve Replacement Using an Edwards 3 Sapien Heart Valve</td>
<td>Presenting Author: Kris Kumar</td>
<td></td>
</tr>
<tr>
<td>9:15</td>
<td>TCT 1264: Closure of perivalvular leaks after transapical mitral valve in valve replacement.</td>
<td>Presenting Author: Kunal Jha</td>
<td></td>
</tr>
<tr>
<td>9:15</td>
<td>TCT 1265: Acute mitral regurgitation complicated with cardiogenic shock and treated successfully with double mitracleip implantation</td>
<td>Presenting Author: Luigi Salemme</td>
<td></td>
</tr>
<tr>
<td>9:15</td>
<td>TCT 1266: Transcatheter mitral valve implantation in mitral annular calcification after transcatheter aortic valve implantation</td>
<td>Presenting Author: Mani Arsalan</td>
<td></td>
</tr>
<tr>
<td>9:15</td>
<td>TCT 1267: MitraClip XTR implantation in a patient with subaortic membrane and severe mitral regurgitation</td>
<td>Presenting Author: Theodore David Richards</td>
<td></td>
</tr>
<tr>
<td>2:00</td>
<td>TCT 1278: Severe mitral regurgitation presented at mid term follow up after transcatheter mitral valve implantation in the position of a degenerated mitral ring</td>
<td>Presenting Author: Vassilis Voudris</td>
<td></td>
</tr>
<tr>
<td>2:00</td>
<td>TCT 1279: Transcatheter transeptal Mitral Valve in Valve Replacement and iatrogenic atrial septal defect closure in an unstable patient</td>
<td>Presenting Author: William Kong</td>
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</tbody>
</table>

**CHALLENGING CASES 4**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Title</th>
<th>Presenting Author</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:15</td>
<td>TCT 1275: Carillon implantation in a heart not suitable for surgical annular reduction with coronary compromise during implantation</td>
<td>Presenting Author: Steven Goldberg</td>
<td></td>
</tr>
<tr>
<td>9:15</td>
<td>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</td>
<td>Presenting Author: Timothy Pow</td>
<td></td>
</tr>
<tr>
<td>9:15</td>
<td>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.</td>
<td>Presenting Author: Tobias Ruf</td>
<td></td>
</tr>
<tr>
<td>9:15</td>
<td>TCT 1278: Severe mitral regurgitation presented at mid term follow up after transcatheter mitral valve implantation in the position of a degenerated mitral ring</td>
<td>Presenting Author: Vassilis Voudris</td>
<td></td>
</tr>
</tbody>
</table>

**Transcatheter Valve Therapy**

**Friday, September 27, 2019**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Title</th>
<th>Presenting Author</th>
</tr>
</thead>
<tbody>
<tr>
<td>2:00</td>
<td>TCT 1268: Transcatheter mitral valve repair in congenitally corrected transposition of the great arteries</td>
<td>Presenting Author: Misuki Miura</td>
<td></td>
</tr>
<tr>
<td>9:15</td>
<td>TCT 1269: Early valve thrombosis after mitral valve in valve procedure.</td>
<td>Presenting Author: Nadim Geloo</td>
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</tr>
<tr>
<td>9:15</td>
<td>TCT 1270: Percutaneous transjugular tricuspid valve in valve implantation for degenerated surgical bioprosthetic valve.</td>
<td>Presenting Author: Alain Chieffo</td>
<td></td>
</tr>
<tr>
<td>9:15</td>
<td>TCT 1271: Percutaneous transvenous mitral commissurotomy in ECMO patient the bail out techniqueforunusuallife threatening acute mitral valve bioprosthesist failure.</td>
<td>Presenting Author: Petr Zdrahal</td>
<td></td>
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<tr>
<td>9:15</td>
<td>TCT 1272: PERCUTANEOUS TRANSVENOUS MITRAL COMMISSUROTOMY IN A TUBULAR HEART</td>
<td>Presenting Author: Preeti Gupta</td>
<td></td>
</tr>
<tr>
<td>9:15</td>
<td>TCT 1273: Mitral Valve in Valve: A Challenging Case of TAVR</td>
<td>Presenting Author: Ravinder Singh Rao</td>
<td></td>
</tr>
<tr>
<td>9:15</td>
<td>TCT 1274: Transcatheter Mitral Valve Replacement with the AltaValve: Description of the first case in the United States</td>
<td>Presenting Author: Sachin Goel</td>
<td></td>
</tr>
</tbody>
</table>
TRANSCATHETER VALVE THERAPY | FRIDAY, SEPTEMBER 27, 2019

2:00 PM - 3:30 PM
Coronary XIV
Discussant: Jose A. Alvarez, Sukhdeep Singh Basra, Patricia J. Best, Ronald Caputo, Nicola Corvaja, Donald Cutlip, Steffen Desch

2:00 PM
TCT 1284: Percutaneous intervention of double chronic total occlusions of the left circumflex and right coronary arteries using anterograde and retrograde approach
Presenting Author: Chinmayo Marledy

2:00 PM
TCT 1285: Percutaneous intervention of double chronic total occlusions of the left circumflex and right coronary arteries using anterograde and retrograde approach
Presenting Author: Chinmayo Marledy

2:00 PM
TCT 1295: Percutaneous intervention of double chronic total occlusions of the left circumflex and right coronary arteries using anterograde and retrograde approach
Presenting Author: Chinmayo Marledy

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 Elghamaz, Omer Goktekin, Dean J. Kereiakes

2:00 PM
TCT 1301: A hidden ostial left main in a patient with recurrent LVF
Presenting Author: Puneet Gupta

2:00 PM
TCT 1311: Thrombus storm in leftmain bifurcation 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: Dimitris Tsikaderis

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 which direct wireapacing device.
Presenting Author: Benjamin Faurie

2:00 PM
TCT 1289: PCI optimization in a complex case
Presenting Author: Rajesh Vijayverghiya

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
Presenting Author: Chi Yan Fung

2:00 PM
TCT 1293: Pin 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

2:00 PM
TCT 1297: Overcoming deficiencies in 2 stent LMS bifurcation with ambiguous proximal cap and bifurcation distal cap
Presenting Author: Tang Chang Tang Chang

2:00 PM
TCT 1298: Complex CTO PCI resolved by multiple new technologies of which direct wireapacing device.
Presenting Author: Benjamin Faurie

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: Emad Effat

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 anomalous left main with 100% beaded occlusion with CPR and Impella support she was with successful recovery and discharge home 2.8 year old transplant o left main with 90314 year old male had cardiac arrest resuscitate have 90 left main had LDL 450 xantoma and cholesterol
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 Stentys Self Apposing stent in the setting of ACS
Presenting Author: Mohammed Bholghith

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
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 XVI
Discussant: Tarun Chakravarty, Christopher Cook, Nabil Dib, Liang Dong, Vladimir Dzavik, Mohamed Elsayed Elseitha, Anton Barkas, Marc D. Feldman, Christoph Dietrich Garlisch, Jorge Gaspar, Dietmar H. Glogar, Diego D. Grinfeld, Ingibjorg Johanna Gudmundsdottir, Michalis Hamilos, Hosam Hasan

2:00 PM TCT 1325: case presentationDislodged 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 ostio proximal LAD coronary artery aneurysm with subsequent total occlusion of a tortuous ostial LCX after coil herniation
Presenting Author: Andre Lawrence Tojina

2:00 PM TCT 1329: Management of calcified coronary perforation after LM Bifurcation PCI with Rota ablation
Presenting Author: Ankush Gupta

2:00 PM TCT 1331: Broken Undeatable and Stuck Stent Balloon
Presenting Author: ASHISH JHA

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: Prafull Sharma

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 Undeatable 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

Presenting Author: Judit Karacsonyi

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
Presenting Author: Kotaro Kiyama

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 ImpellaBailout in Valve Transcatheter Aortic Valve Replacement: The Importance of OptimalProcedure 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: Pratfall Sharma

2:00 PM TCT 1351: Calified LADD1 Bifurcation DK Crush to colute technique
PRESENTATION SUMMARY

10:00  -  11:30
Endovascular I
Discussant: Michael D. Pappas, Fabio F. Feres, Giorgi G. Jvania, Lucio J. de la Peña

11:30  -  13:00
Lunch Break

13:00  -  14:30
Endovascular II
Discussant: Todd Thurston, Christopher J. Cooper, Hiroki Saito, Michael K. Wong

14:30  -  16:00
Case Presentations

16:00  -  17:30
Endovascular III
Discussant: Frederic Bydon, Andrew K. Chan, Michael K. Wong, Glenn A. Cohn

17:30  -  19:30
Poster Session

20:00  -  22:00
Social Event

22:00
End of Conference
TRANSCATHETER VALVE THERAPY | FRIDAY, SEPTEMBER 27, 2019

Presenting Author: Taek-Geun Kwon

2:00 PM TCT 1383: A case report of pulmonary vein intervention for pulmonary vein stenosis after radiofrequency ablation for atrial fibrillation.
Presenting Author: TATSUNORI IKEDA

2:00 PM TCT 1384: Three cases of May Thurner syndrome successfully treated by intravascular ultrasound IVUS guided balloon angioplasty and catheter directed thrombolysis through the popliteal vein.
Presenting Author: 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: Yuki Matsubara

2:00 PM TCT 1390: CLI after Femoropopliteal Bypass: Endovascular Approach
Presenting Author: Yulonka Castro-Dominguez

2:00 PM - 3:30 PM Coronary XIX
Discussant: Rabin dra Nath Chakraborty, Jeff Chambers, Kam-Tim Chan, Aakriti Gupta, Martin Hudec, Michael C. Kim, Spencer B. King III, Lloyd W. Klein, Sampath Kumar, Amir Lotfi, Matthias Lutz, Nish Patel

2:00 PM TCT 1391: The tell tale heart: invasive coronary angiography on normothermic ex vivo perfusion
Presenting Author: Pankaj Jain

2:00 PM TCT 1392: An Unusual case of Severe LVSD Secondary to Spontaneous Dissection in both LAD and RCA in a 29 year old man detected due to CKD
Presenting Author: Praveen Sadarmin

2:00 PM TCT 1393: Snowman has come
Presenting Author: Koki Sogame

2:00 PM TCT 1394: Importance of Integrating Coronary Anatomy and Physiology
Presenting Author: Ahmed El Amrawy

2:00 PM TCT 1395: The 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, Robbert J. De Winter, Cameron Dowling, Makram R. Ebeid, Marvin H. Eng, Francisco Fernandez-Avilés, Craig E. Fleishman, Jason Foerst, Christian Frerker

2:00 PM TCT 1398: Alcohol Ablation of Extra cardiac Thoracic Tumor
Presenting Author: Nikoloz Shekiladze

2:00 PM TCT 1399: Novel Vascular Access for Percutaneous Transluminal Septal Myocardial Ablation: Case report of Two Patients with Drug refractory Hypertrophic Obstructive Cardiomyopathy Treated Through Bilateral Distal Racial Artery
Presenting Author: Yukio Mizuguchi

2:00 PM TCT 1400: Surgical Explant of TAVR Valves
Presenting Author: James Edelman

2:00 PM TCT 1401: Redo Mitral Valve Surgery after Transcatheter Mitral Valve Replacement for Infective Endocarditis
Presenting Author: Philipp Kiefer

2:00 PM TCT 1402: Third Times the Challenge: Transcatheter mitral valve in valve implantation valve after bioprosthetic mitral valve deterioration
Presenting Author: Jason Wen

2:00 PM TCT 1403: CoreValve compression due to exterme Aortic Valve Calcification
Presenting Author: Femip philip

2:00 PM TCT 1405: Simultaneous High Risk Multi Vessel Percutaneous Coronary Intervention and Per Axillary Transcatheter Aortic Valve Implantation: Its All About Planning
Presenting Author: Abdalla Hassan

2:00 PM TCT 1407: Uncomplicated Balloon Aortic Valvuloplasty in a Patient with Severe Aortic Stenosis and Left Ventricular Thrombus Using Cerebral Embolic Protection Devices
Presenting Author: Adnan Khalif

2:00 PM TCT 1408: Percutaneous closure of Aorto Right Ventricular Fistula and Paravalvular leak after Transcatheter Aortic Valve Implantation
Presenting Author: Ahmed Alabady

2:00 PM TCT 1409: A tailored approach to Valve in Valve.
Presenting Author: Antonio Mangieri

2:00 PM - 3:30 PM Structural VIII
Discussant: Robert J. Applegate, Jorge A. Belardi, Stefan C. Bertog, Giuseppe Biondi-Zoccai, G. Michael Deeb, Mohamed Mohammed Elmaraghi, Marek Grygier, Vivek Gupta

2:00 PM TCT 1410: Severe Aortic Insufficiency and a Ventricular Septal Defect as a Result of Endocarditis Treated with Valve in Valve TAVR and Ventricular Septal Defect Closure
Presenting Author: Alina Brenner

2:00 PM TCT 1411: TAVR in TAVR in a surgically replaced aortic valve with a homograft.
POSTERS ABSTRACTS II

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 Sema

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

9:15 am
TCT 927: Association Between Duration of Beta blocker Therapy and Clinical Outcomes in Acute Myocardial Infarction Patients Without Heart Failure
Presenting Author: Joo-Yong Hahn

9:15 am
TCT 928: The Relationship Between Culprit Lesions Morphology and Low Density Lipoprotein Cholesterol Levels in the Very Elderly Patients with ST Segment Elevation Myocardial Infarction
Presenting Author: Yoshikuni Kobayashi

9:15 am
TCT 929: Aborted myocardial Infarction in patients with STEMI treated Percutaneous Coronary Interventions
Presenting Author: Lukasz Konarski

9:15 am - 10:45 am
Coronary IX
Discussant: Nabil Farag, Anton Forkas, Marc D. Feldman, Hans R. Figulla, Joo Myung Lee, Edward J. McNulty, Toshiya Muramatsu

9:15 am
TCT 930: Role of simultaneous positron emission tomographymagnetic resonance imaging to detect viable myocardium after acute myocardial infarction
Presenting Author: Jung-Hee Lee

9:15 am
TCT 931: Non ST Elevation Myocardial Infarction in Hospitalized Patients With Atrial Fibrillation
Presenting Author: Pengyang Li

9:15 am
TCT 932: Recognized Sleep Apnea Patients Have Lower Hospital Mortality When Admitted For Acute Myocardial Infarction Compared To Patients Without Sleep Apnea Across US Hospitals
Presenting Author: Muhammad Waqar Liaqat

9:15 am
TCT 933: Impact of Extremely Low Wall Shear Stress in Coronary Aneurysm in Patients With ST Segment Elevation Myocardial Infarction in Comparison With Normal Coronary Arteries
Presenting Author: Yosuke Miyazaki

9:15 am
TCT 934: Advanced Age and Myocardial Injury in ST segment Elevation Myocardial Infarction: a Cardiac Magnetic Resonance Imaging Study
Presenting Author: Ik Hyun Park

9:15 am
TCT 935: Intracoronary Tirofiban Delivered by Controlled Flow Infusion: Marked Reduction of Microvascular Obstruction in a Porcine STEMI Model
Presenting Author: Robert S. Schwartz

9:15 am - 10:45 am
Coronary X
Discussant: Christoph Dietrich Garlich, Jorge Gaspar, Jun Jiang, Yader Sandoval, Ricardo Sanz-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. Winstein

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 Unlistable 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 TermComplications
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
9:15 AM TCT 945: 30 day Readmission Following Revascularization in Patients With Chronic Total Occlusion of Coronary Arteries Presenting With Angina: Insight From Nationwide Readmission Database
Presenting Author: Neel Patel
9:15 AM TCT 946: 30 Day and 1 Year Outpatient PCI Outcomes after Same Day Discharge: A Retrospective Single Center VA Experience
Presenting Author: Sanket Gokhale
9:15 AM TCT 947: Clinical outcomes at 3 years of the Absorb bioresorbable vascular scaffold versus the Xience drug eluting metallic stent in diabetic or non diabetic patients in routine PCI AIDA trial sub study.
Presenting Author: Ruben Tijssen

9:15 AM - 10:45 AM
Coronary XII
Discussant: Lloyd W. Klein, Shahar Lavi, Abdullah Al Shafi Majumder, Carlos E. Uribe, Zhao Wang, Jennifer Yu

9:15 AM TCT 948: Treatment of Very Small De Novo Coronary Artery Disease With 2.25 mm Novel Sirolimus Eluting Stent with fusion coating technology
Presenting Author: Luca Testa
9:15 AM TCT 949: Causes and predictors of 6 month readmission rate after drug eluting stent in the contemporary era A nationwide analysis
Presenting Author: Syed Zaid
9:15 AM TCT 950: Efficacy and Safety of the Bioabsorbable Polymer coated Everolimus eluting coronary stents in Routine Clinical Practice: Data from the IRIS DES Registry
Presenting Author: W.I. Webster

9:15 AM TCT 968: Cancer diagnosis in patients undergoing percutaneous coronary intervention
Presenting Author: KENJI KANENAWA
9:15 AM TCT 969: Prediction Model for Clinically Relevant Diagonal Branches Based on Anatomical Attributes
Presenting Author: Seokhun Yang

Coronary XIII
Discussant: Shigeru Nakamura, Eugenia Nikolsky, Alexander Grigorievich Osiev, George J. Vlachojannis, Alexandre C. Zago

9:15 AM TCT 951: Zero Contrast Percutaneous Coronary Interventions for Protection of Kidney Function in Patients With Severe Renal Impairment and Hemodialysis Subjects With Residual Diuresis
Presenting Author: Jerzy Sacha
9:15 AM TCT 952: Integrating Residual SYNTAX Score to Improve the Predictive Ability of the Age Creatinine and Ejection Fraction ACEF Score for Cardiac Mortality in Percutaneous Coronary Intervention Patients
Presenting Author: Guofeng Gao
9:15 AM TCT 953: Postprocedural Radial Artery Compression Time In Chronic Anticoagulated Patients using StatSeal: The PRACTICAL SEAL Feasibility Study
Presenting Author: Rodrigo Bagur
9:15 AM TCT 955: Coronary Artery Aneurysms
Presenting Author: yoshiyuki okuya
9:15 AM TCT 956: Relationship Between Sclerostin and Coronary Tortuosity in Postmenopausal Females With Non Obstructive Coronary Artery Disease
Presenting Author: El Sayed Farag

9:15 AM - 10:45 AM
Coronary XIV
Discussant: Akram W. Ibrahim, Jan J. Piek, Alfredo E. Rodriguez, Joao Brum Silveira, Glenn Van Langenhove, Mark W.I. Webster

9:15 AM TCT 977: Regional disparities in hospitalization rates for ischemic heart diseases in women between the south and southeast regions of Brazil from 2013 to 2018.
Presenting Author: Marcelo Puzzi
9:15 AM TCT 952: The Role of In Silico Coronary Arterial Vessel Reconstruction in Determining the Accuracy of Virtual Diagnostic Workflows for Coronary Artery Disease
Presenting Author: Roshni Solanki
9:15 AM TCT 953: Reinforcement learning for guidewire navigation in coronary phantom
Presenting Author: Kyoseok Song
9:15 AM TCT 954: Impact of Myocardial Bridge on Late Lumen Enlargement in Distal Reference Segments After Recanalization of Chronic Total Occlusion in Left Anterior Descending Artery
Presenting Author: yoshiyuki okuya
9:15 AM TCT 955: Coronary Artery Aneurysms Caused by Atherosclerosis or Kawasaki Disease have Different Characteristics by Intravascular Ultrasound and Fractional Flow Reserve
Presenting Author: Jeehoon Kang
Presenting Author: Sherif Rizk

  Presenting Author: Kunihiro Shimamura

9:15 AM - 10:45 AM  Coronary XV
Discussant: Hadi Abu-Hantash, Nima Aghili, H. Vernon Anderson, Dimitrios Bliagos, Sonya Burgess, Pavel Cervinka, Riccardo Colantonio

9:15 AM  TCT 957: A Comparison of Cardiac Allograft Vasculopathy Plaque Burden Measured by Optical Coherence Tomography and Intravascular Ultrasound: A Potential for Early Diagnosis 
  Presenting Author: Sean Smith

9:15 AM  TCT 958: Prognostic Evaluation of Point Of Care Lung Ultrasound and Left Ventricle End Diastolic Pressure in Patients With ST Segment Elevation Myocardial Infarction Submitted to Coronary Angiography
  Presenting Author: Rafael Coimbra Ferreira Beltrame

9:15 AM  TCT 960: Comparison of Coronary Artery Dimensions Between Asian and Caucasian Subjects Who Are Free From Coronary Artery Disease CAD. 
  Presenting Author: Jaroslaw Skowroński

9:15 AM  TCT 961: Feasibility of Morphological Assessment of Coronary Artery Calcium with Electrocardiogram gated Non contrast Computed Tomography: A Comparative Study with Optical Coherence Tomography 
  Presenting Author: Yu Takahashi

9:15 AM  TCT 962: Influence of Side Branches in Computational Fractional Flow Reserve derived from Intravascular Ultrasound
  Presenting Author: Cristiano Guedes Bezerra

9:15 AM  TCT 963: Feasibility and Correlation of Angiogram Derived Vessel Fractional Flow Reserve in a Population Undergoing Percutaneous Coronary Intervention
  Presenting Author: Luis Augusto Palma Dallan

9:15 AM - 10:45 AM  Coronary XVI
Discussant: Anvar Babaev, Gregory Barsness, Theodore A. Bass, Ivo Bernat, Salvatore Brugaletta, Jeff Chambers

9:15 AM  TCT 964: Investigation of the Effect of Age on Instantaneous Wave Free Ration in Patients with Intermediate Epicardial Artery Disease 
  Presenting Author: Yasunori Inoue

9:15 AM  TCT 965: Usefulness of the trans stent fractional flow reserve gradient for predicting clinical outcomes after drug eluting stent implantation.
  Presenting Author: Hyoung Mo Yang

9:15 AM  TCT 967: The Utility of iFR for Predictor of MACE in Stable Angina Pectoris
  Presenting Author: Nao Yasuda

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: Riyadh Kherallah

9:15 AM  TCT 979: Acute Changes in Left Ventricular Cardiac Mechanics post Transcatheter Aortic Valve Replacement by Speckle Tracking Echocardiography 
  Presenting Author: Stamatios Lerakis

9:15 AM  TCT 980: Coronary Hemodynamics Improvement due to Left Ventricular Reverse Remodeling after Transcatheter Aortic Valve Replacement
  Presenting Author: Kazuki Mizutani

9:15 AM  TCT 981: Distribution of coronary artery disease in patients with low risk transcatheter aortic valve replacement: A computed tomography coronary angiography study from the LRT trial 
  Presenting Author: Yuichi Ozaki

9:15 AM - 10:45 AM  Structural V
Discussant: Makram R. Ebeid, Mohamed Mohamed Elmaraghi, Mohammad El Tahlawi, Marvin H. Eng, Giovanni Esposito

9:15 AM  TCT 982: Structural Analysis of Transcatheter Aortic Valve Replacement in Bicuspid Aortic Valves 
  Presenting Author: Dong Qiu

9:15 AM  TCT 983: Pre Dilatation Balloon Aortic Valvuloplasty vs. Direct Implantation in Patients Undergoing TAVR: A Meta Analysis 
  Presenting Author: Shiv Raj

9:15 AM  TCT 984: Combination of Preoperative Frailty Status and Cardiac Biomarkers for Improving Risk Stratification in TAVR 
  Presenting Author: Francisco José Romeo

  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

  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: Cecilia Wong

9:15 AM - 10:45 AM
Structural VI
Discussant: Nabil Farag, Craig E. Fleishman, Christian Frerker, George Gellert, James A. Goldstein, Diego D. Grinfeld, Matthias Götberg

9:15 AM
TCT 989: In hospital Outcomes of Transcatheter Aortic Valve Replacement in Patients with Atrial Fibrillation: Nationwide Database Analysis
Presenting Author: FANGCHENG WU

9:15 AM
TCT 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: Saba Ravaghi

9:15 AM
TCT 994: Transcatheter Treatment of Severe Tricuspid Regurgitation: First Experiences With the Edge to Edge Technique Using the MitraClip
Presenting Author: Sylvia Otto

9:15 AM
TCT 995: Novel Bioresorbable Closure Device with Biological Scaffold Seal
Presenting Author: David Reuter, MD

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 - 9:30 AM
Abbott Pavilion

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

NOW THAT I SEE IT, I KNOW HOW TO TREAT IT!: A HANDS-ON OCT SKILLS LAB

The Impact of Design on Coronary Guidewire Performance: A Hands-On Experience

Coronary: CHIP
Coronary: Core

FRIDAY, SEPTEMBER 27, 2019
12:00 PM - 1:30 PM
Abbott Pavilion

12:00 PM - 1:30 PM
The Impact of Design on Coronary Guidewire Performance: A Hands-On Experience
Training Pavilion Faculty: Andrea Gagnor, Jack Hall, Amir Kaki, Robert F. Riley, Jason Wollmuth, Willis Wu

12:00 PM
Introduction
12:05 PM
Didactic on Guidewire Building Blocks and WH Wires
### 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 - 2:15 PM**  
  *Didactic Session*  
  Training Pavilion Faculty: Ziad A. Ali, Kevin J. Croce, Allen Jeremias, Eric Lindley, R. Jay Widmer, Jason Wollmuth

- **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: ValveVascular**

**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, Rajiv Tayal

- **4:20 PM - 5:30 PM**  
  *Hands-On Device Deployment*
**Transseptal Hands-On Training Program**

**Structural: Valve**

**Structural: Non-Valve**

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**FRIDAY, SEPTEMBER 27, 2019**

**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 PM** Introduction
- **12:05 PM** Video Tutorials
- **12:20 PM** Step by Step Transseptal Technique Interventional Tools and Complication Management
- **12:40 PM** Hands On Rotations

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**ADVANCED TECHNIQUES FOR LAAC PROGRAMS**

**Advanced Techniques for LAAC Programs**

**Structural: Non-Valve**

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**FRIDAY, SEPTEMBER 27, 2019**

**2:00 PM - 3:30 PM**

**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

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**TRANSSEPTAL HANDS-ON TRAINING PROGRAM**

**Transseptal Hands-On Training Program**

**Structural: Valve**

**Structural: Non-Valve**

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**FRIDAY, SEPTEMBER 27, 2019**

**4:00 PM - 5:30 PM**

**Who is my Potential RDN Candidate?: An Interactive Discussion on RDN Candidate Selection**

*Training Pavilion Faculty: Chandan Devireddy, Ying-Hsiang Lee, Andrew Sharp, Michael A. Weber, Joachim Weil*

- **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: trHTN Is the Ideal Renal Denervation Patient Profile
- **8:55 AM** Real World Application: Taiwan Experience
- **9:05 AM** Panel Discussion: Global Views on Patient Selection
- **9:15 AM** Patient Preference and Bringing It All Together

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**BIFURCATION PCI: A STEP-BY-STEP TRAINING APPROACH (VISIBLE HEART)**
**Bifurcation PCI: A Step-by-Step Training Approach (Visible Heart)**

**Coronary: Core**

**FRIDAY, SEPTEMBER 27, 2019**

10:00 AM - 11:30 AM

Medtronic Pavilion

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**ONIX 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**

**Coronary: CHIP**

**FRIDAY, SEPTEMBER 27, 2019**

12:00 PM - 1:30 PM

Medtronic Pavilion

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**TAVR IN BICUSPID AORTIC VALVES**

**TAVR in Bicuspid Aortic Valves**

**Structural: Valve**

**FRIDAY, SEPTEMBER 27, 2019**

2:00 PM - 3:30 PM

Medtronic Pavilion

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**CONTEMPORARY CONSIDERATIONS FOR TAVR HEMODYNAMICS**

**Contemporary Considerations for TAVR Hemodynamics**

**Structural: Valve**

**FRIDAY, SEPTEMBER 27, 2019**

4:00 PM - 5:30 PM

Medtronic Pavilion

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**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
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**

**10:00 AM - 11:30 AM**

**CRF Pavilion 1**

**10:00 AM - 11:30 AM**

**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: CHIP**

**Coronary: Core**

**FRIDAY, SEPTEMBER 27, 2019**

**2:00 PM - 3:30 PM**

**CRF Pavilion 1**

**2:00 PM - 3:30 PM**

**See Clearly, Treat Optimally: IVUS Simplified (A Hands-On Skills Training Program)**

**Hands-On Training on ELCA Laser for Complex Coronary Interventions**

**A Journey to LASER Training Requirements**

**Coronary: CHIP**

**Coronary: Core**
WHAT YOU NEED TO KNOW REGARDING THE CLASP IID/IIF PIVOTAL TRIAL: NOVEL MITRAL REPAIR SYSTEM CURRENTLY UNDER CLINICAL STUDY IN THE US

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

8:00 AM Didactic Session: Disease Overview Product Overview and Case Reviews and Clinical Trial Overview

10:00 AM - 11:30 AM
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

10:00 AM Didactic Sessions: Disease Overview Product Overview and Case Reviews and Clinical Trial Overview
10:00 AM Clinical Trial Overview
Training Pavilion Faculty: Scott Lim
10:10 AM Disease Overview What is in CLASP IID What is in IIF and What isn't in Either
Training Pavilion Faculty: Robert L. Smith
10:20 AM PASCAL Device Overview
Training Pavilion Faculty: Scott Lim
10:30 AM Case Reviews
Training Pavilion Faculty: Konstantinos P. Koulogiannis
10:45 AM Device Demonstration

WORLD LAUNCH OF THE EDWARDS BENCHMARK PROGRAM: IMPROVING PATIENT ACCESS AND OUTCOMES WITHOUT COMPROMISING SAFETY — CONSISTENT OUTCOMES, AGNOSTIC OF VOLUME
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

12:00 pm - 1:30 pm
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, Sandra Lauck, Lorie Mariano, Charles Nyman, David A. Wood

12:00 pm Didactic Sessions
1:00 pm Application: Using the App

World Launch of the Edwards BENCHMARK Program: Improving Patient Access and Outcomes Without Compromising Safety — Consistent Outcomes, Agnostic of Volume

FRIDAY, SEPTEMBER 27, 2019
2:00 pm - 3:30 pm
CRF Pavilion 2

2:00 pm - 3:30 pm
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, Sandra Lauck, Lorie Mariano, Douglas F. Muir, Charles Nyman, Mark Spence, Alex Vasquez, David A. Wood

2:00 pm Didactic Sessions
3:00 pm Application: Using the App

CONSIDERATIONS FOR MANAGING TAVR AND CONCOMITANT CORONARY ARTERY DISEASE (CAD) IN THIS NEW WORLD

Considerations for Managing TAVR and Concomitant Coronary Artery Disease (CAD) in This New World

Structural: Valve

FRIDAY, SEPTEMBER 27, 2019
4:00 pm - 5:30 pm
CRF Pavilion 2

4:00 pm Considerations for Managing TAVR and Concomitant Coronary Artery Disease CAD in 2020
Training Pavilion Faculty: Derk Frank, Ethan C. Korngold, Mark J. Russo, Janarthanan Sathananthan, Rahul Prakash Sharma, John G. Webb, David A. Wood

4:00 pm Access to Coronaries after TAVR: The Next Big Thing
Training Pavilion Faculty: John G. Webb

4:10 pm The Scope of the Problem: Review of Recent Evidence
Training Pavilion Faculty: Janarthanan Sathananthan

4:20 pm When is TAVR and PCI not Appropriate: A Surgeons Perspective
Training Pavilion Faculty: Mark J. Russo

4:30 pm Challenging Coronary Access Case
Training Pavilion Faculty: Ethan C. Korngold

4:35 pm Discussion

4:40 pm Challenging Coronary Access Case
Training Pavilion Faculty: Rahul Prakash Sharma

4:45 pm Discussion

4:50 pm Challenging Coronary Access Case
Training Pavilion Faculty: Derk Frank

4:55 pm Discussion

5:00 pm COMPLETE TAVR: Study Design and Rationale
Training Pavilion Faculty: David A. Wood

5:15 pm Discussion and Questions

BE CALCULATED: OPTIMIZING PREPARATION OF SEVERELY CALCIFIED CORONARY LESIONS

Be Calculated: Optimizing Preparation of Severely Calcified Coronary Lesions
Coronary: CHIP

FRIDAY, SEPTEMBER 27, 2019
8:00 am - 9:30 am
CRF Pavilion 3

8:00 am - 9:30 am
Be Calculated: Optimizing Preparation of Severely Calcified Coronary Lesions

Be Calculated: Optimizing Preparation of Severely Calcified Coronary Lesions
Coronary: CHIP
### ESSENTIAL GUIDEWIRE AND MICROCATHERETER TECHNIQUES FOR COMPLEX PCI

**Essential Guidewire and Microcatheter Techniques for Complex PCI**

**Coronary: CHIP**

**FRI Day, September 27, 2019**

**CRF Pavilion 3**

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<tr>
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<tr>
<td>10:00 AM</td>
<td><strong>Introduction</strong></td>
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<td>10:05 AM</td>
<td><strong>Didactic With Case Review</strong></td>
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<td>10:50 AM</td>
<td><strong>Hands On</strong></td>
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**Be Calculated: Optimizing Preparation of Severely Calcified Coronary Lesions**

Training Pavilion Faculty: Khaldoon F. Alaswad, Mitul Patel, George Revtyak, Ramzan M. Zakir

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### LMCA INTERVENTION - 1

**LMCA Intervention - 1**

**Coronary: CHIP**

**FRI Day, September 27, 2019**

**CRF Pavilion 3**

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<tr>
<td>2:30 PM</td>
<td><strong>Case Reviews and Applications of Techniques</strong></td>
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**Essential Guidewire and Microcatheter Techniques for Complex PCI**

Training Pavilion Faculty: Ton J. DeMartini, Robert F. Riley, Craig A. Thompson

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<td>2:30 PM</td>
<td><strong>Case Reviews and Applications of Techniques</strong></td>
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**LMCA Intervention - 1**

Moderators: Darshan Doshi, Runlin Gao
Discussants: Andrejs Erglis, Vasim Farooq, Mirosław Ferenc, Tim A. Fischell

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<tr>
<td>9:30 AM</td>
<td><strong>TCT 382: Technical Issues in Two Stent Distal Left Main Bifurcation Treatment: An EXCEL Trial Intravascular Ultrasound Substudy</strong> Presenting Author: Tatsuhito Fujimura</td>
</tr>
<tr>
<td>9:37 AM</td>
<td><strong>Discussion</strong></td>
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<tr>
<td>9:40 AM</td>
<td><strong>TCT 383: Ten year Clinical Outcomes of Sirolimus Versus Paclitaxel Eluting Stents for Patients With Unprotected Left Main Coronary Artery Disease</strong></td>
</tr>
</tbody>
</table>
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

Left Atrial Appendage Exclusion - 1
Structural: Non-Valve

FRIDAY, SEPTEMBER 27, 2019
9:30 AM - 10:30 AM
Moderated Posters 5

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

MANAGEMENT OF ANTIPLATELET THERAPY AND ANTICOAGULATION IN PATIENTS UNDERGOING PCI - 3

Management of Antiplatelet Therapy and Anticoagulation in Patients Undergoing PCI - 3
Coronary: Core

FRIDAY, SEPTEMBER 27, 2019
9:30 AM - 10:20 AM
Moderated Posters 4

9:30 AM - 10:20 AM
Management of Antiplatelet Therapy and Anticoagulation in Patients Undergoing PCI - 3
Moderators: Dimitrios Alexopoulos, William J. French
Discussants: Gennaro Giustino, Hyo-Soo Kim, Michael A. Kutcher, Freek Verheugt

9:30 AM TCT 406: Clinical Impact of DAPT Cessation Within 12 Months of Drug Eluting Stent Implantation in Caucasians and Minorities: Insights From the PLATINUM Diversity and PROMUS Element Plus Post Approval Study
Presenting Author: Davide Cao

9:37 AM Discussion
9:40 AM TCT 407: Adherence to dual antiplatelet therapy and long term outcome of drug eluting or bare metal stents: A Korean nationwide longitudinal real world cohort study
Presenting Author: Jang Min Rosa Choi

9:47 AM Discussion
9:50 AM TCT 408: Impact of dedicated dual antiplatelet therapy with low dose prasugrel on mid term vascular response after everolimus eluting stent implantation
Presenting Author: Takayoshi Toba

9:57 AM Discussion
10:00 AM TCT 410: Assessing Suitability for Short Term DAPT: Thromboresistance Albumin Retention and Endothelial Function in the Resolute Onyx Zotarolimus versus Biofreedom Biolimus Eluting Coronary Stent Systems
Presenting Author: Hiroyuki Jinnouchi
NATURAL HISTORY AND MANAGEMENT OF BICUSPID AORTIC VALVE DISEASE

Natural History and Management of Bicuspid Aortic Valve Disease

Moderated Posters 1

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 (DUPE)

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

Outcomes After Primary PCI - 5

Moderated Posters 3

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 Telesenting: Exploring the Potential Impact of Network Delays on Telesenting Performance
Presenting Author: Paulina Phomvongsa

9:47 AM
Discussion

9:50 AM
TCT 508: Telemecine Without Borders
Presenting Author: Sameer Mehta

9:57 AM
Discussion

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: Mohammad Rashid

10:27 AM
Discussion

PERIPHERAL VASCULAR INTERVENTION - 2

Peripheral Vascular Intervention - 2

Moderated Posters 7

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

9:40 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

PHYSIOLOGIC LESION ASSESSMENT - 3

**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. LimDiscussants: 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 583: Impact of Diabetes on the Outcomes of Chronic Total Occlusion Percutaneous Coronary Interventions: An Updated Systematic Review and Meta analysis
Presenting Author: Abdelrahman Ali

9:47 AM Discussion

9:50 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

9:57 AM Discussion

10:00 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

**Revascularization in Patients With Diabetes - 2**

Revascularization in Patients With Diabetes - 2
Coronary: CHIP

FRIDAY, SEPTEMBER 27, 2019
9:30 AM - 10:30 AM
Moderated Posters 8

9:30 AM - 10:30 AM Revascularization in Patients With Diabetes - 2
Moderators: Michael Maeng, Robert L. WilenskyDiscussants: Usman Baber, Mark Goldberger

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

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 Implanted With Biodegradable Polymer Everolimus Eluting Stents
Presenting Author: Hui Wen Sim
10:27 AM Discussion

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 217: Predictors for Long term Target Lesion Revascularization of Successful Recanalized Coronary Chronic Total Occlusion Using Drug Eluting Stents
DRUG-ELUTING STENT STUDIES - 3

**Coronary: Core**

**FRIDAY, SEPTEMBER 27, 2019**

10:30 AM - 11:20 AM

**Moderated Posters 8**

10:30 AM - 11:20 AM

**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 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

10:47 AM **Discussion**

10:50 AM **TCT 291:** Comparison of Thromboresistance between Everolimus eluting Fluoropolymer Stent and Currently Available Drug Eluting Stent in an Ex Vivo Swine Shunt Model under Only Single Anti platelet Therapy

**Presenting Author:** Hiroyuki Jinnouchi

10:57 AM **Discussion**

11:00 AM **TCT 292:** Five Years Comparison of Vessel Remodeling Between a Thin Strut Non Drug Eluting Biodesorbable Stent and Bare Metal Stent in Porcine Coronary Arteries

**Presenting Author:** Marco Ferrone

11:07 AM **Discussion**

11:10 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

11:17 AM **Discussion**

LEFT ATRIAL APPENDAGE EXCLUSION - 2

**Coronary: Non-Valve**

**FRIDAY, SEPTEMBER 27, 2019**

10:30 AM - 11:30 AM

**Moderated Posters 5**

10:30 AM - 11:30 AM

**LMCA Intervention - 2**

**Moderators:** Dietmar H. Glogar, Victor Guetta

**Discussants:** Ning Guo, Stuart Head, Saska Kedev

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**
10:30 AM - 11:30 AM
Left Atrial Appendage Exclusion - 2
Moderators: Jason H. Rogers, Apostolos Tzikas
Discussants: Anibal A. Damonte, David E. Thaler

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

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

TCT 378: Percutaneous Left Atrial Appendage Closure in Female Patients
Presenting Author: Konstantinos Voudris

TCT 379: First experience with the ExpanSure Dilation System to streamline transseptal puncture for left atrial appendage closure
Presenting Author: Jacqueline Saw

TCT 380: Feasibility of LAmbré in Occluding Large Left Atrial Appendage
Presenting Author: So Chak Yu

TCT 381: TAVR Patients at high Risk for Bleeding Value of LAAO in this special cohort
Presenting Author: Felix Woitek

10:30 AM - 11:30 AM
TCT 460: Aorto Mitral Angulation and Neo LVOT in Transcatheter Mitral Valve Replacement
Presenting Author: Georg Lutter

Presenting Author: Chris Kovach

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

TCT 463: Transcatheter Mitral Valve Replacement in a Series of Ten Compassionate Use Cases With Mid Term Follow up
Presenting Author: Sebastian Ludwig

TCT 464: The Volume Outcomes for Percutaneous Mitral Valve Repair MitraClip Procedure in a US Registry
Presenting Author: Jad Omran

TCT 465: Automatic Identification and Quantification of the Mitral Annulus for Consistent TMVR Planning A Preliminary Study
Presenting Author: Janelle Schrot

10:30 AM - 11:30 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

NATURAL HISTORY AND MANAGEMENT OF MITRAL AND TRICUSPID VALVE DISEASE - 6

Natural History and Management of Mitral and Tricuspid Valve Disease - 6

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
Presenting Author: Luis Dallan

10:37 AM Discussion

10:40 AM TCT 514: LATIN Telemedicine Demonstrates Longitudinal Cost Savings from Avoiding Unnecessary Transfer of Patients
Presenting Author: Sameer Mehta

10:47 AM Discussion

10:50 AM TCT 515: Marked Variability and Regional Constraints: Observations From a Population based and Telemedicine guided STEMI Program
Presenting Author: Sameer Mehta

10:57 AM Discussion

11:00 AM TCT 516: A New Scoring System for Prediction of No Reflow in Patients with ST elevation Myocardial Infarction
Presenting Author: Ivan Bessonov

11:07 AM Discussion

11:10 AM TCT 517: The KAsh Score Predicts Long Term Mortality After Acute Myocardial Infarction
Presenting Author: Joel Monteiro

11:17 AM Discussion

11:20 AM TCT 518: Utility of Troponin and Creatine Kinase in Predicting Myocardial Infarct Size Left Ventricular Dysfunction and Clinical Outcomes After Acute Anterior Myocardial Infarction: The INFUSE AMI Trial
Presenting Author: Bahira Shahim

11:27 AM Discussion

ALCOHOL SEPTAL ABLATION/HOCM

<table>
<thead>
<tr>
<th>Alcohol Septal Ablation/HOCM</th>
</tr>
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<tbody>
<tr>
<td>Structural: Non-Valve</td>
</tr>
</tbody>
</table>

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 Seggewiss
Discussants: Mayra Guerrero, Igor F. Palacios

11:30 AM TCT 128: Impact of Gender on Clinical Outcomes of Septal Myectomy vs Alcohol Septal Ablation for Hypertrophic Cardiomyopathy in the United States
Presenting Author: Alejandro Lemor

11:37 AM Discussion

11:40 AM TCT 129: Age Stratified Analysis for Patients with Hypertrophic Cardiomyopathy Undergoing Alcohol Septal Ablation or Septal Myectomy.
Presenting Author: Alejandro Lemor

11:47 AM Discussion

PERIPHERAL VASCULAR INTERVENTION - 3

Peripheral Vascular Intervention - 3

Vascular

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 Das
Discussants: Alex Chebl, Peter P. Monte Leone, 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

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
11:50 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 Discussion

12:00 TCT 131: Alcohol Septal Ablation in Patients With Obstructive Hypertrophic Cardiomyopathy Leads to Sustained Long Term Benefits: A Single Centre Experience
Presenting Author: Micha Dorsch

12:07 Discussion

12:10 TCT 132: Simultaneous Interventional Treatment of Patients With Hypertrophic Obstructive Cardiomyopathy and Coexisting Coronary Artery Disease
Presenting Author: Stanislav Fanta

12:17 Discussion

12:20 TCT 133: A Novel concept of catheter based radiofrequency ablation for hypertrophic obstructive cardiomyopathy Cerclage RF Ablation: preliminary animal experiments in swine model
Presenting Author: Min-Ku Chon

12:27 Discussion

CATH LAB OF THE FUTURE - 1

11:30 - 12:30
Cath Lab of the Future - 1
Moderators: Peter J J. Fitzgerald, Discussants: Carlos Collet

11:30 TCT 194: A fully automated classification and segmentation of X ray coronary angiography using deep learning approach
Presenting Author: Jihoon Kweon

11:37 Discussion

11:40 TCT 195: Anatomical Attributes of Myocardial territory of Diagonal Branches Assessed by Coronary Computed Tomography Angiography
Presenting Author: Seokhun Yang

11:47 Discussion

11:50 TCT 196: Automatic Lesion Recognition on Coronary Angiographic Images by Deep Convolutional Neural Network
Presenting Author: Ruolin Yang

11:57 Discussion

12:00 TCT 197: Impact of Patient Sex on Radiation Doses Received During Coronary Angiography
Presenting Author: Erica Osip

12:07 Discussion

12:10 TCT 198: Final Results of the IC CATA RACT 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 Discussion

Presenting Author: Marc-Antoine Carrier

12:27 Discussion

CHRONIC TOTAL OCCLUSIONS - 2

11:30 - 12:30
Chronic Total Occlusions - 2
Moderators: Khaldoon F. Alaswad, Parag Barwad, Discussants: Raja Hatem, Satoru Sumitsuji

11:30 TCT 218: The Efficacy and Safety of Transradial and Transfemoral Approach in Treatment of Coronary Chronic Total Occlusion: A Systematic Review and Meta Analysis
Presenting Author: Mohamad Soud

11:37 Discussion

11:40 TCT 219: In Hospital Outcomes of Chronic Total Occlusion Treated with Percutaneous Coronary Intervention VS. Coronary Artery Bypass Graft
Presenting Author: FANGCHENG WU

11:47 Discussion

11:50 TCT 220: Temporal Trends in Chronic Total Occlusion Percutaneous Coronary Interventions: Insights From the PROGRESS CTO Registry
Presenting Author: Evangelia Vemmou

11:57 Discussion

12:00 TCT 221: Initial Report of Safety and Feasibility of Robotic Assisted Chronic Total Occlusion Coronary Intervention
Presenting Author: Taishi Hirai
ROTATIONAL AND ORBITAL ATERECTOMY, CUTTING/SCORING BALLOONS, AND LITHOTRIPSY

FRIDAY, SEPTEMBER 27, 2019
11:30 am - 12:30 pm
Moderated Posters 7

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 Kala, 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 severe 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

FRIDAY, SEPTEMBER 27, 2019
11:30 am - 12:30 pm
Moderated Posters 3

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 pm
Discussion
TAVR: Valve-in-Valve - 2

Structural: Valve

Friday, September 27, 2019
11:30 AM - 12:10 PM
Moderated Posters 1

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

Structural: Core

Friday, September 27, 2019
11:30 AM - 12:30 PM
Moderated Posters 2

11:30 AM
Vascular Access and Closure in PCI - 2

11:30 AM - 12:30 AM
Treatment of Congenital Heart Diseases - 1
Moderators: Daff B. McElhinney, Michael J. Mullen
Discussants: Alejandro D. Fernandez, Virginia Pascual-Tejerina, Shyam Sathanandam, Anupama Shivaraju

11:30 AM
TCT 765: Anatomical correlates of residual left to right shunt after suture based percutaneous closure of patent foramen ovale
Presenting Author: Gregory Sgueglia

11:37 AM
Discussion

11:40 AM
TCT 766: Relation of Patent Foramen Ovale to Acute Mountain Sickness
Presenting Author: Prateek Kumar

11:47 AM
Discussion

11:50 AM
TCT 767: Safety and Feasibility of Same Day Discharge Using the Vancouver PFO-ASD Clinical Pathway
Presenting Author: Janarthanan Sathananthan

11:57 AM
Discussion

12:00 AM
TCT 768: Suture mediated patent foramen ovale closure with NobleStitch: efficacy at three months transesophageal follow up
Presenting Author: Marco Ancona

12:07 AM
Discussion

12:10 AM
TCT 769: Aortic Remodeling in Patients Treated with Intravascular Stent Therapy for Coarctation: A Long term Follow Up Single Centre Experience
Presenting Author: Louise Pei

12:17 AM
Discussion

12:20 AM
TCT 770: Outcomes after Endograft Facilitated Transcatheter Pulmonary Valve Replacement for Failed Repair: Surgical vs Transcatheter Procedures
Presenting Author: Norihiko Kamioka

12:27 AM
Discussion

TREATMENT OF CONGENITAL HEART DISEASES - 1

Structural: Non-Valve

Friday, September 27, 2019
11:30 AM - 12:30 PM
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 Alabbady
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 andabsoluteradial artery 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: Hassaan 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

**Structural: Valve**

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 TanguayDiscussants: 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
Presenting Author: Michael Haude

2:07 PM Discussion
2:10 PM TCT 189: Magnesium BRS implantation in ACS population midterm follow up
Presenting Author: Magdalena Lanocha

2:17 PM Discussion
2:20 PM TCT 190: Longterm outcome of magnesium BRS implantation in ACS
Presenting Author: Magdalena Lanocha

2:27 PM Discussion
2:30 PM TCT 191: Feasibility and Mid term Outcomes of Bioabsorbable Magnesium Scaffold Implantation in Acute Coronary Syndromes
Presenting Author: LIVIA LUCIANA GHEORGHE

2:37 PM Discussion
2:40 PM TCT 192: Late Coronary Healing Assessed with Optical Coherence Tomography after Magnesium Bioresorbable Scaffold Implantation
Presenting Author: Christian Oliver Fallesen

2:47 PM Discussion
2:50 PM TCT 193: Sustained safety and efficacy of Magmaris bioabsorbable scaffold. A 2 years FU analysis from pooled multicentre italian experience
Presenting Author: Stefano Galli

2:57 PM Discussion

CHRONIC TOTAL OCCLUSIONS - 3

Coronary: CHIP

FRIDAY, SEPTEMBER 27, 2019
2:00 PM - 3:00 PM
Moderated Posters 6

2:00 PM - 3:00 PM Chronic Total Occlusions - 3
Moderators: Richard R. Heuser, Jonathan M. HillDiscussants: Arun Kalyanasundaram, Samer Mansour, Imre Ungi

2:00 PM TCT 224: High Risk Chronic Total Occlusion Percutaneous Coronary Interventions Assisted with Tandem Heart
Presenting Author: Saroj Neupane

2:07 PM Discussion
2:10 PM TCT 225: Gender differences in long term outcomes of medical therapy and successful percutaneous coronary intervention for coronary chronic total occlusions
Presenting Author: Lei Guo

2:17 PM Discussion
2:20 PM TCT 226: ElectroCautery Facilitated Crossing ECFC of Chronic Total Occlusions
Presenting Author: Saroj Neupane

2:27 PM Discussion
2:30 PM TCT 227: Efficacy of Coronary Sinus Reducer in Patients with non Revascularized Chronic Total Occlusions: a Multicentre Experience
Presenting Author: Carlo Zivelonghi

2:37 PM Discussion
2:40 PM TCT 228: Impact of Mildly Impaired Renal Function on Clinical Outcomes of Percutaneous Coronary Intervention vs. Medical Therapy for Coronary chronic total occlusions
Presenting Author: Lei Guo

2:47 PM Discussion
2:50 PM TCT 229: Outcomes of Investment Procedures in Chronic Total Occlusion Interventions
Presenting Author: Iosif Xenogiannis

2:57 PM Discussion

CORONARY BIFURCATION INTERVENTION

Coronary Bifurcation Intervention
Coronary: CHIP

FRIDAY, SEPTEMBER 27, 2019
2:00 PM - 3:00 PM
Moderated Posters 8

2:00 PM - 3:00 PM Coronary Bifurcation Intervention

2:00 PM TCT 242: Detection and Classification of Coronary Bifurcation Lesions by Using Artificial Intelligence
Presenting Author: Xuqing Liu

2:07 PM Discussion
2:10 PM TCT 243: Rotablation approach for bifurcation lesions
Presenting Author: Jorge Palazuelos

2:17 PM Discussion
2:20 PM TCT 244: Impact of Different Methods of Lesion Preparation on Side Branches in Calcified Coronary Bifurcations: A Subanalysis of the Randomized PREPARE CALC Trial.
Presenting Author: Abdelhakim Allali

2:27 PM Discussion
2:30 pm  
TCT 245: Contemporary Bifurcation Treatment Practice: What We Can Learn From a Large Global Registry  
Presenting Author: Bernard R. Chevalier

2:37 pm  
Discussion

2:40 pm  
TCT 246: The Efficacy of Modified Jailed Balloon Technique for Bifurcation Lesions in Long term Follow up  
Presenting Author: Koki Shishido

2:47 pm  
Discussion

2:50 pm  
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

2:57 pm  
Discussion

2:00 pm - 3:00 pm

SVG INTERVENTION

SVG Intervention

Coronary: CHIP

FRIDAY, SEPTEMBER 27, 2019
2:00 pm - 3:00 pm
Moderated Posters 7

2:00 pm  
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

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IMAGING-DERIVED PHYSIOLOGIC LESION ASSESSMENT - 2

Imaging-Derived Physiologic Lesion Assessment - 2

Coronary: Core

FRIDAY, SEPTEMBER 27, 2019
2:00 pm - 3:00 pm
Moderated Posters 4

2:00 pm  
TCT 329: Full Hemodynamic Characterization Of Intracorony Physiology: Merging Advanced Grayscale Intravascular Ultrasound With Fractional Flow Reserve  
Presenting Author: Cristiano Guedes Bezerra, Matthias Götberg, John McBl. Hodgson, Haibo Jia

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 Tomaniak

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

2:37 pm  
Discussion

2:40 pm  
TCT 333: Comparison of Diagnostic Accuracy between Quantitative Flow Ratio QFR Instantaneous Wave free Ratio iFR and DILEMMA score against Fractional Flow Reserve FFR  
Presenting Author: Ojas Mehta

2:47 pm  
Discussion

2:50 pm  
TCT 2000: Long term Outcome Following Deferral of Coronary Revascularization Guided by Instantaneous Wave free Ratio or Fractional Flow Reserve in a Large real world Population From the Svedehart Registry  
Presenting Author: Matthias Götberg

2:57 pm  
Discussion
Presenting Author: Muhammad Siddique Pir

2:47 PM Discussion
2:50 PM TCT 678: Long Term Outcomes of Revascularization Post Coronary Artery Bypass Surgery
Presenting Author: Novalia Purnoma Sidik
2:57 PM Discussion

154

TAVR: CLINICAL ACCESS AND COST-EFFECTIVENESS - 2

Presenting Author: Neel Butala

2:00 PM - 3:00 PM

TAVR: Clinical Access and Cost-Effectiveness - 2
Moderators: Suzanne V. Arnold, Gary Gershony
Discussants: Bernadette S. Speiser

2:00 PM TCT 745: Insights in to Sex Differences in Transfemoral Transcatheter Aortic Valve Implantation from 2007 2018: From the CENTER collaboration a global patient level analysis of 12 381 patients
Presenting Author: Wieneke Vlastra
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

Atrial Fibrillation in Patients Undergoing Catheter-Based Intervention

ATRIAL FIBRILLATION IN PATIENTS UNDERGOING CATHETER-BASED INTERVENTION
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 Trends of Limb Revascularization Procedures in Patients with and without Atrial fibrillation
Presenting Author: Homam Moussa Pacha

3:37 PM
Discussion

3:40 PM
TCT 156: Patterns of Therapy Cessation in Patients with Atrial Fibrillation Undergoing Percutaneous Coronary Intervention: Insights from the AVIATOR 2 International Registry
Presenting Author: Ridhima Goel

3:47 PM
Discussion

3:50 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

Out-of-Hospital Arrest

3:00 PM - 3:50 PM
Moderated Posters 4

3:00 PM - 3:52 PM
Out-of-Hospital Arrest
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

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 barberawi

TCT 521: Immediate Neurologic Recovery After Out of Hospital Cardiac Arrest is the Only Multivariate Predictor of Survival
Presenting Author: Amir Khan

TCT 522: Single tertiary center UK experience across 2 large sites for patients presenting as out of hospital cardiac arrests OHCAs
Presenting Author: Sharmaine Thiru

TCT 524: Sex Differences in Survival From Out of Hospital Cardiac Arrest: Insights from the National Inpatient Sample
Presenting Author: Yulanka Castro

TCT 569: Periprocedural Outcomes of Lead Extraction in Patients With or Without Abandoned Leads: A Metanalysis
Presenting Author: Varun Kohli

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: HIROFUMI OHASHI

TCT 572: Clinical outcomes of critical limb ischemia patients with angiographic dissection after balloon angioplasty for infrapopliteal artery disease.
Presenting Author: TOMOYA FUKAGAWA

TCT 573: Direct transpedal pressure measurement during transpedal below the knee interventions in critical limb ischemia
Presenting Author: Zoltan Ruzsa

TCT 574: More Fresh Thrombi in Cardio Embolic Than Vascular Related Acute Vessel Syndromes
Presenting Author: Martijn Meuwissen

TCT 621: Diagnostic performance of resting full cycle ratio as newly developed non hyperemic indices for physiological lesion assessment when directly compared with fractional flow reserve as a reference standard
Presenting Author: HIROFUMI OHASHI

TCT 622: Respiration related variations in PdPa ratio and fractional flow reserve in resting conditions and during intravenous adenosine administration.
Presenting Author: Rutger Feenstra

TCT 623: Objective identification of stenoses inducing myocardial ischemia using sequential iFR FFR and intracoronary flow measurements
Presenting Author: Rutger Feenstra

RESTING PHYSIOLOGIC INDICES
TRANSCATHETER VALVE THERAPY | FRIDAY, SEPTEMBER 27, 2019

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Presenting Author: Valérie E. Stegehuis
3:27 PM Discussion
3:30 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
3:37 PM Discussion
3:40 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
3:47 PM Discussion

TAVR COMORBIDITIES AND COMPLICATIONS - 1

TAVR Comorbidities and Complications - 1
Structural: Valve
FRIDAY, SEPTEMBER 27, 2019
3:00 PM - 4:00 PM
Moderated Posters 5

3:00 PM - 4:00 PM
TAVR Comorbidities and Complications - 1
Moderators: Talib Majwal, Alan C. Yeung
Discussants: Andrzej J. Ochala, Petra Poliacikova

3:00 PM TCT 691: Clinical Results of Rescue Balloon Valvuloplasty for severe Aortic valve stenosis in patients with severe heart failure and cardiogenic shock in a community hospital without onsite TAVR facility
Presenting Author: Wolfgang Gerhard Bocksch
3:07 PM Discussion
3:10 PM TCT 693: Aortic Valve Calcification Volumes and Chronic Brain Infarctions in Patients Undergoing Transcatheter Aortic Valve Implantation
Presenting Author: Wieneke Vlastra
3:17 PM Discussion
3:20 PM TCT 694: Prognostic Impact of Aortic Valve Calcification in Patients With Low Flow Low Gradient Aortic Stenosis Undergoing Transcatheter Aortic Valve Replacement
Presenting Author: Sebastian Ludwig
3:27 PM Discussion
3:30 PM TCT 695: Protection against Cerebral embolism during Transcatheter Aortic Valve Replacement: A systematic review and Meta analysis
Presenting Author: samineh sehatbakhsh
3:37 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
3:37 PM Discussion

VASCULAR ACCESS FOR TAVR - 1

Vascular Access for TAVR - 1
Structural: Valve

CATH LAB OF THE FUTURE - 2

Cath Lab of the Future - 2

Coronary Perforation and Cardiac Tamponade

CATH LAB OF THE FUTURE - 2

Cath Lab of the Future - 2

Moderated Posters 6
4:00 – 4:50 PM
Coronary Perforation and Cardiac Tamponade
Moderators: Lorenzo Azzalini, Itshac Itsik Ben-Dor
Discussants: Wacin Buddhari, James Cockburn, Tom J. Ford

4:00 PM TCT 248: Coronary Artery Perforation During Chronic Total Occlusion Percutaneous Coronary Intervention: Epidemiology Mechanisms Management and Outcomes
Presenting Author: Lorenzo Azzalini

4:07 PM Discussion

4:10 PM TCT 249: Coronary Artery Perforations: Glasgow Natural History Study of Covered Stent Coronary Interventions GNOCCI study
Presenting Author: Tom J. Ford

4:17 PM Discussion

4:20 PM TCT 250: Prevalence and Predictors of Coronary Artery Perforation during Percutaneous Coronary Interventions data from the ORPKI National Registry in Poland
Presenting Author: Michal Wegiel

4:27 PM Discussion

4:30 PM TCT 251: SOS PK Papyrus an Observational Study of Patients with Covered PK Papyrus Stent.
Presenting Author: Marco Hernández Enríquez

4:37 PM Discussion

4:40 PM TCT 252: Pericardial Tamponade Secondary to Complications of Interventional and Endovascular Procedures
Presenting Author: Daniel Johnsrud

4:47 PM Discussion

STENT THROMBOSIS AND RESTENOSIS - 2

4:10 PM TCT 336: Use of a percutaneous temporary mechanical circulatory support as a bridge to decision in advanced heart failure patients listed for heart transplantation.
Presenting Author: Alexis Okoh

4:17 PM Discussion

4:20 PM TCT 337: Outcomes of heart failure with reduced ejection fraction HFrEF status post implantable cardioverter defibrillator ICD presenting with HFrEF exacerbation with versus without atrial fibrillation AF
Presenting Author: Hassaan Arshad

4:27 PM Discussion

4:30 PM TCT 338: Electrical Microcurrent Therapy for Treatment of Chronic Systolic Heart Failure: Animal and First in Man Data
Presenting Author: L. Christian Napp

4:37 PM Discussion

STENT THROMBOSIS AND RESTENOSIS - 2

4:40 PM TCT 339: Partial Inferior Vena Cava Occlusion During Exercise in Heart Failure Patients Prevents Left Ventricular Pressure Overload Improves Exercise Times and Reduces Respiratory Rate: Mechanical Balancing of Bi Ventricular Function as a Novel Therapy for Heart Failure Quality of Life
Presenting Author: Daniel Kaiser

4:47 PM Discussion

INTERVENTIONAL HEART FAILURE

INTERVENTIONAL HEART FAILURE

FRIDAY, SEPTEMBER 27, 2019
4:00 PM - 4:50 PM
Moderated Posters 5

4:00 PM - 4:50 PM
Interventional Heart Failure
Moderators: Magdy Abdelhamamid
Discussants: Ngai-Yin Chan, Mona Fiuza, Mark Goldberger, Boaz Monash, Oleg Polonetsky, Edgard Alexander Prihadi

4:00 PM TCT 335: Interventionsal Outflow Graft Closure in Patients with Left Ventricular Assist Device Unsuitable for Surgical Explantation
Presenting Author: Marcus Sandri

4:07 PM Discussion

4:10 PM TCT 662: Patients Who Do Not Receive Drug Eluting Stent for In-stent Restenosis Characteristics and Outcomes
Presenting Author: Bimmer E. Claessen

4:07 PM Discussion

4:10 PM TCT 663: Very Very Late Stent Thrombosis Beyond Five Years: Some Wounds Never Heal
Presenting Author: LIVIA LUCIANA GHEORGHE
4:20 PM  
TCT 664: Overlapping Drug Eluting Stent Increases Definite Stent Thrombosis and Revascularization: Results from 15561 Patients in The AUTHENTIC Study  
Presenting Author: Xiang Chen

4:27 PM  
Discussion

4:30 PM  
TCT 665: Experience with Excimer laser in Percutaneous Coronary Intervention with Indications Procedural Characteristics Complications and Outcomes in a Large University Teaching Hospital  
Presenting Author: Muhammad Jawad Ul Qamar

4:37 PM  
Discussion

4:40 PM  
TCT 666: Percutaneous Coronary Intervention in In Stent Restenosis Lesions with Second Generation Drug Coated Balloons: Results at a Long Term Follow Up.  
Presenting Author: IGNACIO SANCHEZ PEREZ

4:42 PM  
Discussion

4:50 PM  
TCT 2006: First Human Use of a Novel Subcutaneous Platelet GP IIbIIIa inhibitor designed for STEMI Point of Care Treatment  
Presenting Author: Dean J. Kereiakes

4:57 PM  
Discussion

VENTRICULAR ASSIST AND MANAGEMENT OF CARDIOGENIC SHOCK - 3

4:00 PM - 4:50 PM  
Ventricular Assist and Management of Cardiogenic Shock - 3  
Moderators: Marco A. Alcocer-Gamba, Fayaz Shawl  
Discussants: 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

4:37 PM  
Discussion

4:40 PM  
TCT 826: Gender Disparities in Survival Outcomes in Acute Myocardial Infarction Complicated by Cardiogenic Shock Treated with Advanced Mechanical Circulatory Support  
Presenting Author: Michael Sobieraj

4:47 PM  
Discussion
SATURDAY, SEPTEMBER 28, 2019
MAIN ARENA III: SATURDAY, SEPT. 28

8:00 AM - 9:30 AM
Live Cases #5

Live Case Moderators: Martin B. Leon
Live Case Operators: Saibal Kar, Francesco Maisano

8:00 AM
Instituto Dante Pazzanese de Cardiologia Sao Paulo Brazil SHD
Lecturers: Alexandre Abizaid, Daniel Chamie, Jose de Ribamar Costa Jr

8:45 AM
Cedars Sinai Medical Center Los Angeles CA SHD
Lecturers: 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

9:30 AM
Featured Lecture: Social Determinants of Health: The Future of Health Assessment in the Digital World
Lecturer: Freddy Abnousi

9:50 AM
Roundtable Discussion

10:15 AM - 10:30 AM
TCT 2019 Linnemeier Young Investigator Award
Moderator: Martin B. Leon, Gregg W. Stone

10:15 AM
TCT 2019 Linnemeier Young Investigator Award Presentation
Award Recipients: Jay S. Giri, Benjamin Hibbert, Celina M. Yong
Lecturers: Martin B. Leon, Gregg W. Stone

10:30 AM - 11:15 AM
Late-Breaking Trials 3
Moderators: Juan F. Granada Co-Moderators: Stuart J. Pocock
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

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
Live Case Operators: Craig M. Walker

11:15 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
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 Neuromodulation Therapy in Patients With Hypertension
Lecturer: Karl-Heinz Kuck

12:55 PM
Roundtable Discussion

1:00 PM
LEVANT: 5 Year Outcomes From Three Randomized Trials of Percutaneous Angioplasty With vs. Without a Drug Coated Balloon in Patients With Femoropopliteal Arterial Disease
Lecturer: Kenneth Ourl

1:10 PM
Roundtable Discussion
### LIVE CASE TRANSMISSION THEATER V: SATURDAY, SEPT. 28

**Live Case Transmission Theater V: Saturday, Sept. 28**

**Coronary: CHIP**

**Coronary: Core**

**SATURDAY, SEPTEMBER 28, 2019**

8:00 am - 12:00 pm

**Session I: Live Cases — Coronary**

Live Case Moderators: George D. Dangas
Live Case Co-Moderators: Susheel K. Kodali
Factoid Faculty: Tomo Ando, Davide Cao, Hussein Rahim, Fumiyasu Seike

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 pm

**Session II: Live Cases — Coronary**

Live Case Moderators: Roxana Mehran
Live Case Co-Moderators: Cindy L. Grines
Factoid Faculty: Tomo Ando, Davide Cao, Hussein Rahim, Fumiyasu Seike
Live Case Discussants: Rasha Al-Lamee, Mauro Carlino, Hector M. Garcia-Garcia, Philippe E. Gaspard, Corey D. Kimmielstiel, E. Magnus Ohman, Pieter C. Smits, Mohamed Ahmed Sobhy, Marco Valgimigli, Pascal Vranckx, Bonnie H. Weiner

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

Live Case Operator: Alexandre Abizaid, Daniel Chamie, Jose de Ribamar Costa Jr

**HYPERTENSION THERAPIES: RENAL DENERVATION AND BEYOND**

**Session III: Live Cases — SHD**

Live Case Moderators: Vinod H. Thourani
Live Case Co-Moderators: Didier Tchetchet
Factoid Faculty: Tomo Ando, Davide Cao, Hussein Rahim, Fumiyasu Seike

4:15 pm

Lankenau Institute for Medical Research Wynnewood PA

Live Case Operator: William A. Gray

5:00 pm

Cedars Sinai Medical Center Los Angeles CA


### LIVE CASE TRANSMISSION THEATER VI: SATURDAY, SEPT. 28

**Live Case Transmission Theater VI: Saturday, Sept. 28**

**Coronary: CHIP**

**Coronary: Core**

**Structural: Valve**

**Vascular**

**SATURDAY, SEPTEMBER 28, 2019**

2:00 pm - 6:00 pm

**Live Case Theater**

**Response:**

2:00 pm

Lankenau Institute for Medical Research Wynnewood PA

Live Case Operator: William A. Gray

2:45 pm

Instituto Dante Pazzanese de Cardiologia Sao Paulo Brazil

Live Case Operators: Alexandre Abizaid, Daniel Chamie, Ricardo A. Costa, Jose de Ribamar Costa Jr

Live Case Guest Operators: Eberhard Grube

3:30 pm

Cedars Sinai Medical Center Los Angeles CA


4:15 pm

Lankenau Institute for Medical Research Wynnewood PA

Live Case Operator: William A. Gray

5:00 pm

Cedars Sinai Medical Center Los Angeles CA


**HYPERTENSION THERAPIES: RENAL DENERVATION AND BEYOND**

**Response:**

**Vascular**

**Response:**
8:00 AM - 12:07 PM
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

8:59 AM - 11:01 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

9:47 AM Roundtable Discussion With Audience QA

9:51 AM Update on CALM II Trial Endovascular Baroreflex Stimulation
Lecturer: Gregg W. Stone

9:58 AM Roundtable Discussion With Audience QA

10:02 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

11:01 AM - 12:07 PM
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
Lecturer: Philipp Lurz

11:09 AM Roundtable Discussion With Audience QA

11:14 AM Sensing Renal Nerve Activity Before and After Denervation I: Autonomix
Lecturer: Robert S. Schwartz

11:20 AM Sensing Renal Nerve Activity Before and After Denervation II: Symap
Lecturer: Jie Wang

TREATMENT OF CORONARY CALCIFICATION

Treatment of Coronary Calcification

Coronary: CHIP

SATURDAY, SEPTEMBER 28, 2019
8:00 am - 10:00 am
Room 151/153

8:00 am - 8:48 am
Section I: Overview and Devices
Moderators: J. Dawn Abbott, Azeem Latib
Discusants: 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, Giara Weiz
Discusants: Annapoorna Kini, Akiko Maehara, Jeffrey W. Moses, Francesco Pelliccia, Tanveer Rab, Juan Terre

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 Don t 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

8:00 am - 9:10 am
Session I: Assessment of Tricuspid Regurgitation Severity and Procedural Planning
8:00 AM  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 Don’t 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  
Lecturer: Alexander Lauten

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  

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

THE CTO SUMMIT: PART 1

Coronary: CHIP

SATURDAY, SEPTEMBER 28, 2019  
10:00 AM - 12:00 PM  
Room 151/153

10:00 AM - 10:50 AM  Session I: CTO PCI in 2019 — New Data, Terminology, Scoring Systems, and Controversies  
Moderators: David E. Kandzari, Paul Hsien  
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
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 Session II: Procedural Basics

10:50 AM CTO Guidewire and Technique Update: Navigating the Equipment Maze and the Role of EscalationDe 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
Lecturer: Simon J. Walsh
11:32 AM Roundtable Discussion With Audience QA
11:40 AM IVUS Usage in CTO PCI Stent Optimization Proximal Cap Ambiguity Dissections Re Entry
Lecturer: Dimitri Karpamatiotis
11:48 AM Maximizing CTO PCI Durability Optimizing Vessel Healing Avoiding Stent Fractures Using Adjunctive Technologies Including Drug Eluting Balloons

2:00 PM Paclitaxel Coated Balloons for Coronary Intervention: Critical Review of Long Term Trial Data in Light of the PAD Controversy The DAEDALUS Collaboration
Lecturer: Robert A. Byrne
2:07 PM Tips and Tricks for DCB Use: Optimal Technique Is Still Important
Lecturer: Azeem Latib
2:14 PM Drug Coated Balloons for Small Vessels: Latest Trial Evidence
Lecturer: Bernardo Cortese
2:21 PM Drug Coated Balloons in De Novo Lesions: Case Vignettes From Europe
Case Presenter: Bernardo Cortese
2:28 PM Drug Coated Balloons in De Novo Lesions: Case Vignettes From Asia
Case Presenter: Paul JL Ong
2:35 PM Emerging Data on Drug Coated Balloon Use in the High Bleeding or High Thrombotic Risk Patient
Lecturer: Bruno Scheller
2:42 PM DAPT After PCI With DCB: Current Guidelines and Special Considerations
Lecturer: Marco Valgimigli
2:49 PM Sirolimus Coated Balloon Therapy: State of Development
Lecturer: Stefan Verheye
2:56 PM Roundtable Discussion With Audience QA

2:00 PM - 3:04 PM Focused Scientific Symposium: Drug-Coated Balloons
Moderators: Fernando Alfonso, Antonio ColomboDiscussants: Kenneth Chin, Pablo Lamelas, Azeem Latib, Jorge F. Saucedo, Bruno Scheller, Pieter R. Stella

3:04 PM - 4:00 PM Focused Scientific Symposium: Biodegradable Scaffolds
3:04 The Absorb BVS Epilogue: How Did We Miss the Safety Signals
Lecturer: Renu Virmani
3:11 Late Benefits From BVS: Theory and Evidence
Lecturer: Gregg W. Stone
3:18 The Post Absorb BVS Era: Lessons Learned and Implications for Trial Design and Device Approval
Lecturer: Andrew Farb
3:25 Roundtable Discussion With Audience QA
3:32 BRS Use in Primary PCI: Rational and Emerging Clinical Data
Lecturer: Manel Sabate
3:39 Magnesium Scaffolds: Clinical Trial Outcomes and Analysis of Device Failures
Lecturer: Hector M. Garcia-Garcia
3:46 Biodegradable Scaffolds: Global Development Pipeline
Lecturer: Yoshinobu Onuma
3:53 Roundtable Discussion With Audience QA

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
Moderators: Ileana L. Pina, Nir Uriel
Discussants: Peter Carson, Ulrich P. Jorde, Susan M. Joseph, JoAnn Lindenfeld, Milton Packer, James E. Udelson

2:00 PM State of the Art: Current and Future of Medical Therapies for HF
Lecturer: Clyde W. Yancy
2:12 PM State of the Art: Device Based Therapies for Heart Failure and Reduced EF
Lecturer: Nir Uriel
2:24 PM State of the Art: Latest Insights into the Pathophysiology and Medical and Device Based Therapies for HFpEF
Lecturer: Peter Carson
2:36 PM Roundtable Discussion With Audience QA
2:48 PM Assessment of Volume Status Cardiomegs Endotronix Sensible

3:00 PM Mitral Regurgitation as a Target for Heart Failure and the Relevance of Proportionate vs. Disproportionate MR
Lecturer: Susan M. Joseph
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. Yancy
Discussants: 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 Aortix
Lecturer: Gabriel Sayer
4:04 PM Improving Renal Perfusion Pressure: Second Heart
Lecturer: Leslie Miller
4:11 PM Reducing Renal Venous Pressure: Revamp Doraya 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
Moderators: Ulrich P. Jorde, Susan M. Joseph
Discussants: Samuel J. Asirvatham, Daniel Burkhoff, Scott Lilly, Chaim S. Lotan, Felix Mahfoud, Mark Reisman

4:42 PM V Wave for HFpEF 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
Lecturer: Felix Mahfoud
5:14 PM Cardiac Contractility Modulation CCM
Lecturer: Daniel Burkhoff
5:22 PM Treating Central Sleep Apnea in CHF: Respicardia
Lecturer: Susan M. Joseph
5:30 PM Ventricular Reshaping for HF: ANCORA
Lecturer: Mark Reisman
THE CTO SUMMIT: PART 2

The CTO Summit: Part 2
Coronary: CHIP

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
Lecturer: James M. McCabe

2:57 PM
Roundtable Discussion With Audience QA

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 Karmpaniotis

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 and/or 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

4:49 PM
My Worst Antegrade Wire Escalation Complication and What I Learned
Case Presenter: Craig A. Thompson

4:55 PM
Roundtable Discussion With Audience QA

4:58 PM
My Worst Retrograde Septal Complication and What I Learned
Case Presenter: Lei Song
TRANSCATHETER MITRAL VALVE REPLACEMENT

Transcatheter Mitral Valve Replacement

Structural: Valve

SATURDAY, SEPTEMBER 28, 2019
2:00 pm - 4:00 pm
Room 155/157

2:00 pm - 3:18 pm
Session I: TMVR Overview and Principle Devices
Moderators: Vinayak N. Bapat, Marc Gillinov

2:00 pm  TMVR: Lessons From Surgery Not to Be Ignored

3:18 pm - 4:00 pm
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
Lecturer: Omar K. Khalique

3:38 pm  LVOTO Solution I: Alcohol Septal Ablation
Lecturer: Dee Dee Wang

3:43 pm  LVOTO Solution II: LAMPOON
Lecturer: James M. McCabe

3:48 pm  LVOTO Solution III: Batman

TRANSCATHETER VALVE THERAPY | SATURDAY, SEPTEMBER 28, 2019
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

3:53 PM  Roundtable Discussion With Audience QA

4:00 PM - 4:28 PM  Session I: Three Hot Mitral Topics
Moderators: Charles J. Davidson, Merilyn T. HolmesDiscussants: Ori Ben-Yehuda, Khalil Fattouch, 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

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
Lecturer: Rhonda Miyasaka

4:58 PM  Nonesophageal Mitral Echo Imaging
Lecturer: Stephen H. Little

5:05 PM  Roundtable Discussion With Audience QA

5:12 PM  Advantages and Limitations of MRI for MR Assessment at Baseline and Post MitraClip

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 RihalDiscussants: Philipp Blanke, Sameer Gafoor, 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. RaoDiscussants: 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
Lecturer: Sunil V. Rao

4:02 PM  Debate: Vascular Access for Primary PCI
4:02 PM  The SAFARI Trial Proves It: Femoral Access Is Preferred for STEMI
Lecturer: Michel R. Le May

4:07 PM  Not So Fast: The Evidence Still Supports Radial Access for STEMI
Lecturer: Sanjay Kumar Chugh

4:12 PM  ARS: What is Your Routine Vascular Access for Primary PCI for STEMI
Roundtable Discussion With Audience QA

ARS: For Left Radial Access Do you Prefer Left Distal Radial or Traditional Proximal Radial
Lecturer: Sunil V. Rao

Debate: Transradial Civil War
4:21 pm Embrace Left Distal Radial Access: Its the New and Best Approach
Lecturer: Ethan C. Korngold
4:26 pm LDTRA Is a Fad: Ill Stick With Traditional Proximal Radial
Lecturer: Ian C. Gilchrist

ARS: For Left Radial Access Do you Prefer Left Distal Radial or Traditional Proximal Radial
Lecturer: Sunil V. Rao

Roundtable Discussion With Audience QA

ARS: What Access Site Do you Prefer in Your Patients Slated for Same day Discharge After PCI
Lecturer: Sunil V. Rao

Debate: Same Day Discharge Radial or Femoral Access
4:40 pm Transradial and Same Day Discharge Are a Natural Fit and Cost Saving
Lecturer: Adhir Shroff
4:45 pm Same Day Discharge Doesnt Mean Radial Access: Safe Femoral Access Makes Sense
Lecturer: Richard Shlofmitz

ARS: What Access Site Do you Prefer in Your Patients Slated for Same day Discharge After PCI
Lecturer: Sunil V. Rao

Roundtable Discussion With Audience QA

ARS
5:29 pm What Anti thrombotic Therapy Would You Use for this Case
Lecturer: Prashant Kaul
5:31 pm What Anti Platelet Therapy Would You Use for this Case
Lecturer: Prashant Kaul
5:33 pm What Access Site Would You Use for this PCI
Lecturer: Prashant Kaul
5:35 pm Would You Use Mechanical Support for this case
Lecturer: Prashant Kaul
5:37 pm What Stent Technique Would You Use
Lecturer: Prashant Kaul
5:39 pm My Approach: How I Would Do This Case No Slides
Lecturer: Alaide Chieffo
5:42 pm My Approach: How I Would Do This Case No Slides
Lecturer: Kimberly Skelding
5:45 pm Case Conclusion: How I Performed This Case
Case Presenter: Francesco Burzotta

HIGH-IMPACT CLINICAL RESEARCH IV: ADJUNCTIVE PHARMACOTHERAPY STUDIES

Coronary: Core

8:00 am - 9:00 am Innovation & Keynote Theater

TICAKOREA: A Randomized Trial of Ticagrelor vs. Clopidogrel in Korean Patients With Acute Coronary Syndromes Intended for Invasive Management
HIGH-IMPACT CLINICAL RESEARCH V: TRANSCATHETER AORTIC VALVE REPLACEMENT

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

HIGH-IMPACT CLINICAL RESEARCH VI: MANAGEMENT OF CARDIOGENIC SHOCK

SATURDAY, SEPTEMBER 28, 2019
10:00 AM - 11:00 AM
Innovation & Keynote Theater

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

SATURDAY, SEPTEMBER 28, 2019
11:00 AM - 12:12 PM
Innovation & Keynote Theater

11:00 AM
Fascinating Lectures

11:00 AM
Innovation
11:00 AM - 12:12 PM

Digital Health, Digital Education, and Social Media

Moderators: David L. Fischman, Sunil V. Rao
Discussants: Salvatore Brugaletta, Mauricio G. Cohen, Gennaro Giustino, Pablo Lamelas, Sheila Sahni, Chuck Simonton

11:00 AM Social Media in the Modern Era of Interventional Cardiology
Lecturer: M Chadi Alraies

11:08 AM Roundtable Discussion With Audience QA

11:12 AM The CardioQuiz: Adapting Twitter Polls to Create Self Assessment Questions via Social Media
Lecturer: Michael P. Savage

11:20 AM Roundtable Discussion With Audience QA

11:24 AM How Could Advances in Digital Health Help in the Prevention of CV Diseases: E Prevention
Lecturer: Mohammad El Tahlawi

11:32 AM Roundtable Discussion With Audience QA

11:36 AM Artificial Intelligence in Cardiology: The Indian Physicians Perspective
Lecturer: Hiteshi K.C. Chauhan

11:44 AM Roundtable Discussion With Audience QA

11:48 AM An Innovative Mobile Learning Platform for Structural Heart Interventions: CATHLAPP
Lecturer: Benjamin Joas Rieck

11:56 AM Roundtable Discussion With Audience QA

12:00 PM The Early Days of Coronary Stenting: A Tribute to Charles Dotter
Lecturer: Philippe E. Gaspard

12:08 PM Roundtable Discussion With Audience QA

2:00 PM - 3:00 PM

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 Hoef

2:00 PM 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 PM Roundtable Discussion With Audience QA

2:15 PM SCAAR Registry: Long Term Outcomes After PCI With or Without Intracoronary Pressure Wire Guidance
Lecturer: Elmir Omerovic

2:25 PM Roundtable Discussion With Audience QA

2:30 PM FIGARO Registry: Frequency and Reasons for Discordance Between FFR and iFR in Assessment of Lesion Hemodynamic Significance
Lecturer: Tomas Kovarnik

2:40 PM Roundtable Discussion With Audience QA

2:45 PM DEFINE LM Registry: Revascularization Deferral in Patients With Left Main Coronary Artery Disease Based on IFR Evaluation
Lecturer: Takayuki Warisawa

2:55 PM Roundtable Discussion With Audience QA

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 PM - 3:00 PM
Innovation & Keynote Theater

3:00 PM - 4:00 PM
Valve Therapies and Non-Cardiac Surgery

Moderators: Isaac George, Vinod H. Thourani
Discussants: Victoria Delgado, Mark Goldberger, Jose Luis Navia, Chuck Simonton, Neil J. Weissman, Giora Weisz

3:00 PM 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 PM Roundtable Discussion With Audience QA

3:15 PM TRUE Registry: A New Prognostic Risk Score for Risk Stratification of Patients With Severe Tricuspid Regurgitation
Lecturer: Alexander Lauten

3:25 PM Roundtable Discussion With Audience QA

3:30 PM TRILUMINATE Trial: 6 Month Outcomes of Percutaneous Edge to Edge Repair for Tricuspid Regurgitation

3:45 PM 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 AM - 5:00 AM
Innovation & Keynote Theater

**CAD Diagnosis and Complex PCI Strategies**

Moderators: Yves R. Louvard, John A. Ormiston
Discussants: Dimitrios Alexopoulos, Shao-Liang Chen, Stefan Harb, Elvin Kedhi, Bjørne Linde Norgaard, Jan G. P. Tijissen

4:00 AM
**PROMISE: Cost Effectiveness Analysis of Non Invasive FFRCT CTA Alone and Functional Testing for Stable Chest Pain Evaluation**
Lecturer: Udo Hoffmann

4:10 AM
**Roundtable Discussion With Audience QA**

4:15 AM
**ASET: DES implantation with an Aspirin free Strategy and Prasugrel Monotherapy in Patients with Chronic Coronary Artery Disease**
Lecturer: Pedro A. Lemos

4:25 AM
**Roundtable Discussion With Audience QA**

4:30 AM
**SR SCAD: Patient Characteristics Management and Outcomes of Spontaneous Coronary Artery Dissection From a Spanish National Registry**
Lecturer: Fernando Alfonso

4:40 AM
**PROPORT: A Randomized Trial of the Proximal Optimization Technique in Coronary Bifurcation Lesions**
Lecturer: Ken Kozuma

4:55 AM
**Roundtable Discussion With Audience QA**

**FDA UNIVERSITY AT TCT**

**FDA University at TCT**

Innovation

**SATURDAY, SEPTEMBER 28, 2019**

9:00 AM - 5:00 PM
Room 205-206

**9:00 AM - 9:05 AM**
**Introduction**
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
**Its Now Official: The New CDRH Organizational Structure and How It May Impact Your Interactions With the FDA Through the Total Product Life Cycle**
Lecturer: Nicole Ibrahim

9:25 AM
**Best Practices in Presubmissions: How to Make Them Useful for Everyone**
Lecturer: Ariel Ash-Shakoor

9:45 AM
**How to Get Your IDE Approved in the First Round: Tips and Common Mistakes to Avoid**
Lecturer: Jennifer Bastijanic

10:05 AM
**The Winding Journey From EFSFIIH 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. Kaluza, 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 AM
**Best Practices in Sterility Studies of Cardiovascular Devices: What Does the FDA Look For**
Lecturer: Hiren Mistry

12:30 AM
**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. Glaw, Rachel Neubrander
Discussants: Lisa A.M. Becker, Jennifer Bolton, Declan Divineen, Adam Donat, Judy Ji, Irene Parker, Samuel Raben, Megha Reddy, Rebecca Ward

2:00 PM
FDA Bioresearch Monitoring BIMO 101: How to Survive Inspections and Avoid Warning Letters
Lecturer: Adam Donat

2:20 PM
After the Champagne for PMA Approval Come Your Obligations: Inspections Postapproval Studies Medical Device Reporting and Recalls
Lecturer: Judy Ji, Megha Reddy

2:50 PM
Real World Data vs. Real World Evidence: How Can It Be Used for Device Labeling Expansion
Lecturer: Rebecca Ward

3:10 PM
FDA Resources at Your Fingertips: Find the Information and Help You Need
Lecturer: Samuel Raben

3:20 PM
Roundtable Discussion With Audience QA
Lecturer: Samuel Raben

3:50 PM
Coffee Break

4:00 PM - 5:00 PM
Session IV: General Topic Roundtable and Q&A
Moderator: Nicole Ibrahim, Martin B. Leon

4:00 PM
Roundtable Discussion: Most Frequently Asked Questions and FDA Chokepoints Industry and Perspectives and FDA Responses
Discussant: Lauren S. Baker, Andrew Cleeland, James S. Eodie, Katherine Kumar, Aaron Lottes, William H. Maisel, Evan Norton, Semih Oktay, Michael Zapien, Bram D. Zuckerman

4:40 PM
Open Mic: Audience QA
Discussant: Hajira Ahmad, Lydia S. Glaw, Claire Hambright, Nicole Ibrahim, Jinny Liu, Natalie Miller, Rachel Neubrander, Greg O’Connell, Changfu Wu

4:55 PM
Wrap Up and Adjourn
Lecturer: Changfu Wu

12:15 PM - 1:45 PM
Balloon Pulmonary Angioplasty for Chronic Thromboembolic Pulmonary Hypertension: Center Expertise and Illustrative Case Demonstrations
Moderators: Ori Ben-Yehuda, Irene Marthe Lang
Discussants: Vikas Aggarwal, Anthony DeMaria, Ehtisham Mahmud, Alex M. K. Rothman

12:15 PM
Introduction: Chronic Thromboembolic Pulmonary Hypertension Where Does BPA Stand in the Treatment Algorithm Today
Lecturer: Irene Marthe Lang

12:30 PM
Balloon Pulmonary Angioplasty Japanese Experience
Lecturer: Hiromi Matsubara

12:42 PM
Balloon Pulmonary Angioplasty French Experience
Lecturer: Philippe Brenot

12:54 PM
Balloon Pulmonary Angioplasty US Experience
Lecturer: Ehtisham Mahmud

1:06 PM
Balloon Pulmonary Angioplasty German Experience
Lecturer: Irene Marthe Lang

1:18 PM
Balloon Pulmonary Angioplasty Polish Experience
Lecturer: Marek Roik

1:30 PM
Roundtable Discussion With Audience QA

CHRONIC KIDNEY DISEASE: PREVENTING AND TREATING CONTRAST NEPHROPATHY

12:15 PM - 1:45 PM
Chronic Kidney Disease: Preventing and Treating Contrast Nephropathy
Moderators: Somjot S. Brar, Hitinder S. Gurm
Discussants: Carlo Briguori, Sanjog Kalra, R. Stefan Kiesz, Richard J. Solomon, George W. Vetrovec, Junjie Zhang

12:15 PM
Contrast Induced Nephropathy: Does It Exist and Does It Matter
Lecturer: Richard J. Solomon

12:25 PM
Roundtable Discussion With Audience QA
Lecturer: Srimal Bangalore

12:30 PM
CIN Risk Prediction and Outcomes
Lecturer: Srimal Bangalore

12:40 PM
Roundtable Discussion With Audience QA

12:45 PM
CIN Prevention I: Contrast Reduction Strategies Devices and Zero Contrast PCI Step by Step

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
**TRANSCATHETER VALVE THERAPY | SATURDAY, SEPTEMBER 28, 2019**

**Lecturer: Ziad A. Ali**

12:55 PM Roundtable Discussion With Audience QA
1:00 PM CIN Prevention II: IV Fluids
   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

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**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**

**Coronary: Core**

**SATURDAY, SEPTEMBER 28, 2019**
12:15 PM - 1:45 PM
Room 201-202

12:15 PM - 1:45 PM
Clinical Trial Design, Statistics, and Literature Interpretation: The Evidence-Based Medicine Expert

Moderators: C. Michael Gibson, Stuart J. Pocock
Discussants: Andrew Althouse, Otavio Berwanger, Mitchell W. Krucoff, Milton Packer, Divaka Perera, Robert W. Yeh

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 COAPT/MITRA FR Case Study
   Lecturer: Milton Packer

12:35 PM Roundtable Discussion With Audience QA
12:45 PM The Challenges of Equipoise and Generalizability
   Lecturer: Robert W. Yeh

12:55 PM TAVR in Low Risk Patients: Strengths and Limitations of the Low Risk Trials
   Lecturer: Robert O. Bonow

1:05 PM Roundtable Discussion With Audience QA
1:15 PM My Strategy for Interpreting And Critiquing Non Inferiority Studies

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**COMBINED STRUCTURAL INTERVENTIONS: TWO VALVES, VALVE AND LAAO, AND MORE**

**Combined Structural Interventions: Two Valves, Valve and LAAO, and More**

**Structural: Valve**

**SATURDAY, SEPTEMBER 28, 2019**
12:15 PM - 1:45 PM
Room 216

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
   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
COMPLEX ADULT CONGENITAL INTERVENTION

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

12:25 PM An Adult With an Aortopulmonary Window
Case Presenter: Eric Horlick

12:35 PM A Fontan Patient Who Had a Thrombus
Case Presenter: Matthew A. Crystal

12:45 PM Pregnancy CHF and a Transcatheter Tricuspid Valve Implantation
Case Presenter: Harsimran Sachdeva Singh

12:55 PM A Case of PIVSD: A Difficult Case With a Difficult Decision
Case Presenter: Zahid Amin

1:05 PM Coarctation Stent Implantation in an Adult With Turner
Case Presenter: Thomas K. Jones

1:15 PM A Left Ventricular Pseudoaneurysm
Case Presenter: John P. Breinholt

1:25 PM A Baffling Occlusion: Transcatheter Fontan Baffle Creation

SPONTANEOUS CORONARY ARTERY DISSECTION: NOVEL INSIGHTS ON DIAGNOSIS AND TREATMENT

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 - 1:00 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, Francesca 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

Moderators: Fernando Alfonso, Jacqueline Saw
Discussants: Patricia J. Best, Carlo Di Mario, Rajiv Gulati, Francesco Prati

12:15 PM - Consensus Documents on SCAD: US and European Perspectives
Lecturer: Carlo Di Mario

12:25 PM - Roundtable Discussion With Audience QA

12:30 PM - Novel Clinical and Angiographic Insights
Lecturer: Rajiv Gulati

12:40 PM - Roundtable Discussion With Audience QA

12:45 PM - SCAD: Value and Safety of Intracoronary Imaging
Lecturer: Fernando Alfonso

12:55 PM - Roundtable Discussion With Audience QA

1:00 PM - Case Presentation: Difficulty in Diagnosing SCAD
Case Presenter: Carlo Di Mario

1:10 PM - Roundtable Discussion With Audience QA

1:15 PM - SCAD: Indications and Results of Coronary Revascularization
Lecturer: Jacqueline Saw

1:25 PM - Roundtable Discussion With Audience QA

1:30 PM - Case Presentation: A Challenging SCAD Revascularization
Case Presenter: Patricia J. Best

1:40 PM - Roundtable Discussion With Audience QA

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

Challenges and Developments in TAVI Procedure: Argentinean and French Experiences — Presented by Groupe Atherome et Cardiologie Interventionnelle (GACI) and Colegio Argentino de Cardioangiólogos Intervencionistas (CACI)

TCT ENDOVASCULAR: NEURO INTERVENTIONS FOR STROKE AND CAROTID STENOSIS

TCT Endovascular: Neuro Interventions for Stroke and Carotid Stenosis

Vascular
CSI-NIC INDIA SESSION @ TCT

CSI-NIC India Session @ TCT
Coronary: CoreCoronary: 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
KumarPanelists: 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

3:00 PM Session I: Imaging
3:00 PM IVUS: Its Present Roles and Advantages
   Lecturer: Debddatta Bhattacharyya
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
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 Golsmit, 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

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

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

INTERNATIONAL COMPLEX CASE SESSION IX: A POTPURRI OF COMPLEX INTERVENTIONAL CASES II

INTERNATIONAL COMPLEX CASE SESSION VIII: A POTPURRI OF COMPLEX INTERVENTIONAL CASES I
ASPIRIN FOR THE INTERVENTIONALIST: MORE THAN MEETS THE EYE (SPONSORED BY CRF; SUPPORTED BY PLX PHARMA)

Aspirin for the Interventionalist: More Than Meets the Eye (Sponsored by CRF; Supported by PLx Pharma)

Coronary: Core

SATURDAY, SEPTEMBER 28, 2019
6:30 am - 7:45 am
Room 211

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

6:45 am - 7:45 am
Aspirin for the Interventionalist: More Than Meets the Eye
Co-Chairs: Dominick J. Angiolillo, Gregg W. StoneFaculty: Davide Capodanno, C. Michael Gibson, Sanjit S. Jolly, Freek Verheugt

6:45 am Aspirin Use for Primary and Secondary Prevention: Critical Appraisal of What We Know and What We Don't
Lecturer: Davide Capodanno

7:00 am Reducing Aspirin Use in ACS and PCI With and Without AFib: How Good Is the Evidence

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
Chairs: Ajay J. Kirtane, Roxana MehranFaculty: Shamir R. Mehta, Jeffrey W. Moses, David Wohns, MD

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)
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)

SATURDAY, SEPTEMBER 28, 2019
6:30 AM - 7:45 AM
Room 203

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

6:45 AM - 7:45 AM
Coronary Drug-Coated Balloons: Current Challenges, Emerging Clinical Indications, and Future Directions
Chairs: Fernando Alfonso, Bruno Scheller
Faculty: Robert A. Byrne, Antonio Colombo, David E. Kandzari

6:45 AM The Changing Coronary Lesion Phenotype Requires a Different Set of Interventional Tools
Lecturer: Antonio Colombo

6:53 AM Critical Analysis of De Novo and ISR Clinical Trial Data
Lecturer: Fernando Alfonso

7:01 AM The Challenges and Hazards of Re Intervention and Stenting
Lecturer: David E. Kandzari

7:09 AM Moderated Discussion

7:19 AM Death Following DCB Use Not Clinical Data from Coronary Trials
Lecturer: Bruno Scheller

7:27 AM Future Developments in Drug Delivery Technologies
Lecturer: Robert A. Byrne

7:35 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.)

Interventional Therapies for Hypertension: Current Evidence and Controversies (Sponsored by CRF Supported by Ablative Solutions, Orchestra BioMed, and ReCor Medical, Inc.)

SATURDAY, SEPTEMBER 28, 2019
6:30 AM - 7:45 AM
Room 216

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

6:45 AM - 7:45 AM
Interventional Therapies for Hypertension: Current Evidence and Controversies
Chairs: Felix Mahfoud, Michael A. Weber
Faculty: Michel Azizi, Melvin D. Lobo, Andrew Sharp

Current Perspectives and Future Technologies in Below-the-Knee Intervention (Sponsored by CRF; Supported by Medtronic and WL Gore & Associates)

Current Perspectives and Future Technologies in Below-the-Knee Intervention (Sponsored by CRF; Supported by Medtronic and WL Gore & Associates)
6:45 AM Welcome and Introductions
Lecturer: Michael A. Weber

6:47 AM In Case You Missed It: Whats 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

6:45 AM Welcome and Introductions
Lecturer: Michael A. Weber

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Lecturer: Melvin D. Lobo

7:41 AM Moderated Discussion

7:45 AM Adjourn
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
Co-Chairs: Saibal Kar, Francesco Maisano
Faculty: Vinayak N. Bapat, Michael J. Mack, Gilbert H.L. Tang

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

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)

SATURDAY, SEPTEMBER 28, 2019
11:30 AM - 12:30 PM
Presentation Theater 1

The Role of the Interventional Cardiologist in Lipid Management
Chairs: Ori Ben-Yehuda Faculty: Wolfgang Koenig, R. Scott Wright

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

ABILITY TO TREAT DIABETIC PATIENTS: WITH A NOVEL COMBINED DES AND DCB IN A SINGLE PLATFORM (SPONSORED BY CONCEPT MEDICAL, INC.)

SATURDAY, SEPTEMBER 28, 2019
1:00 PM - 2:00 PM
Presentation Theater 2

Ability to Treat Diabetic Patients: With a Novel Combined DES and DCB in a Single Platform
Chairs: Antonio Colombo, Roxana Mehran, Marie-Claude Morice Faculty: Sameer Dani, Alfonso Ielasi, Prathap Kumar, Azeem Latib, Luca Testa, Paolo Vicinelli

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.)

Novel Technologies From Meril’s Armamentarium (Sponsored by Meril Life Sciences Pvt. Ltd.)

SATURDAY, SEPTEMBER 28, 2019
1:00 PM - 2:00 PM
Presentation Theater 3

1:00 PM Opening Remarks
Presenter: Teguh Santoso

1:05 PM Ultra Thin DES Clinical Update: meriT clinical trials to Billar spanish registry
Presenter: Enric Domingo

1:13 PM Two year clinical and Imaging results of Thin Strut BioResorbable scaffolds: MeRes 1 Extend Study
Presenter: Sasko Kedev

1:21 PM Science Clinical updates of Myval THV

1:29 PM Myval THV Landmark Study
Presenter: Andreas Baumbach

1:37 PM Precision TAVR for Complex and Unique clinical situations Case based learnings
Presenter: Manik Chopra

1:45 PM Myval THV case experience sharing for valve in valve interventions

1:53 PM Panel Discussion

THE GREAT CROSSINGS: CHIP MASTERCLASS (SPONSORED BY BOSTON SCIENTIFIC INDIA PVT. LTD.)

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

1:00 PM Use of IVUS in Diffuse Coronary Lesions
Presenter: Debdatta Bhattacharya

1:08 PM QA and Panel Discussion

1:12 PM CrossBoss Catheter in Balloon Undilatable Lesions
Presenter: ANUPAM JENA

1:20 PM QA and Panel Discussion

1:24 PM Rotablation in Resistant CTO Lesions
Presenter: Rajasekhar Varada

1:32 PM QA and Panel Discussion

1:36 PM Should I Rotablate First or Regret Later
Presenter: Rajesh Vijayvergiya

1:44 PM QA and Panel Discussion

1:48 PM Solo Surviving Vessel Rota Intervention: Is it a No No

OPTIMIZING LDL-C MANAGEMENT IN PATIENTS UNDERGOING REVASCULARIZATION: MORE THAN JUST THE METAL (SPONSORED BY AMGEN, INC.)
DAPT AND TRIPLE THERAPY: A CASE-BASED GUIDE TO OPTIMAL ANTIPLATELET THERAPIES (SPONSORED BY CRF; SUPPORTED BY ABBOTT, BOSTON SCIENTIFIC CORPORATION, AND MEDTRONIC)

DAPT and Triple Therapy: A Case-Based Guide to Optimal Antiplatelet Therapies (Sponsored by CRF; Supported by Abbott, Boston Scientific Corporation, and Medtronic)
Coronary: CHP

SATURDAY, SEPTEMBER 28, 2019
6:00 PM - 8:00 PM
Yerba Buena Ballroom 7

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
Co-Chairs: Ajay J. Kirtane, Roxana Mehran
Lecturers: C. Michael Gibson, James B. Hermiller Jr, Sunil V. Rao

6:30 PM  Welcome Introductions and Session Goals
Lecturer: Roxana Mehran

6:35 PM  Optimal Strategies for DAPT: Concise Summaries
6:35 PM  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

8:00 PM  Adjourn

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

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

Presenting Author: Mark Chang
Discussion

8:40 AM  TCT 7: Blinded Outcomes Assessment of Absorb Bioresorbable Scaffolds Implanted With Improved Technique: Two year Results From the ABSORB IV Randomized Trial
Presenting Author: Gregg W. Stone
Discussion

9:00 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
Discussion

9:15 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
Discussion

9:30 AM  TCT 6: Incidence And Predictors Of Hemodynamic Deterioration of Transcatheter and Surgical Bioprosthetic Aortic Valves: Pooled Analysis from the CoreValve Pivotal Trials

TRANSCATHETER VALVE THERAPY | SATURDAY, SEPTEMBER 28, 2019
CHALLENGING CASES 5

Presenting Author: Liliya Sorokhtey

9:15 AM TCT 1425: The case of self treatment of the coronary muscle bridge
Presenting Author: Lina Ya’qoub

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 1668: Mechanical Circulatory Support in High Risk Acute Coronary Syndrome Associated with Ventricular Arrhythmia
Presenting Author: Lina Ya’qoub

9:15 AM TCT 1425: The case of self treatment of the coronary muscle bridge
Presenting Author: Liliya Sorokhtey

9:15 AM - 10:45 AM Coronary XXI

9:15 AM TCT 1437: Utilization of Minimal Dose Radiation in Percutaneous Coronary Intervention During ST Elevation Myocardial Infarction with Cardiogenic Shock
Presenting Author: 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 aterior 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 Ramses

9:15 AM TCT 1445: Shock and Bore: A Hybrid PCI Approach to Severely Calcific Lesions of Both Coronary Ostia
Presenting Author: Konstantinos Kalogeras

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 5 F guiding catheter system to reduce dye consumption in a case of true bifurcation lesion
Presenting Author: Hidetsugu Sakai

9:15 AM TCT 1449: Shockwave Lithotripsy Assisted PTCA in Right Coronary Artery CTO
Presenting Author: Ho-hin Choy

9:15 AM TCT 1450: Late left internal mammary graft acute occlusion
Presenting Author: Ilias Nikolakopoulos

9:15 AM TCT 1451: A True Solution to a 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

9:15 AM TCT 1453: 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: Kalaivani Mahadevan

9:15 AM TCT 1458: Successful Percutaneous Coronary Intervention of a Chronically Severely Under Expanded Stent With Shockwave Intravascular Lithotripsy After Failure of Super High Pressure Non Compliant Balloon Combined With Double Buddy Wire Technique
Presenting Author: Antoine Gerbay

9:15 AM TCT 1459: How to use dual lumen microcatheterin case of ambiguousproximal cap in CTO
Presenting Author: krzysztof bryniarski

9:15 AM TCT 1460: Occluding balloon as a bailout of reverse wire technique in percutaneous coronary intervention for right coronary artery chronic total occlusion involving distal bifurcation
Presenting Author: Kuan-Liang Liu

9:15 AM TCT 1461: is there still a difference in radial and femoral access in CTO recanalization clinical case
Presenting Author: Leszek Bryniarski

9:15 AM TCT 1462: ECMO 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 Duz Gutierrez

9:15 AM TCT 1464: Zero Contrast Diagnostic Angiography and Multivessel PCI for NSTEMI in a Patient with CKD V
Presenting Author: Mahesh V. Madhavan

9:15 AM TCT 1465: Post Atherectomy No Flow Management
Presenting Author: Muzaffar Ali

9:15 AM TCT 1466: 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 - 10:45 AM
Coronary XXIII
Discussant: Robert J. Gil, Dmitry S. Stolyarov, Carlos E. Uribe, Freek Verheugt, Mladen I. Vidovich, George J. Vlachojannis, Mark W.J. Webster, Junqing Yang, Wei-Hsian Yin, Alexandre C. Zago

9:15 AM TCT 1454: Percutaneous Coronary Intervention of a Right Coronary Artery Chronic Total Occlusion Combined with Complex Trifurcating Left Main Lesion
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Presenting Author: Ka Chun Alan Chan

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Presenting Author: Nireen Okasha

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Presenting Author: Norikiyo Oka
9:15 AM | TCT 1476: Shock after successful Primary PCIa 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 undeployedStent Loss in LCx artery during Percutaneous Intervention
Presenting Author: Imran Iftikhar

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 Elgazy

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 veoplasty 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
Presenting Author: Ádám Csavajda

9:15 AM | TCT 1486: ENDOVASCULAR TREATMENT OF POST TRAUMATIC ARTERIOVENOUS FISTULA AVF WITH MECHANICAL TOTAL OCCLUSION TO OF SUPERFICIAL FEMORAL ARTERY SFA
Presenting Author: ALEJANDRO MARIO MARTINEZ

9:15 AM | TCT 1487: Stealing from the heart: A case of an intercostal branch of a left internal mammary artery graft
Presenting Author: Asif Uddin

9:15 AM | TCT 1488: The case of multi stage treatment of arteriovenous malformations of the uterus and pelvis
Presenting Author: Bauryzhan Ormanov

9:15 AM | TCT 1489: Go where there is no path and leave a trail: a case ofchronic iliac vein occlusionrequiring repeated attempts for recannalization.
Presenting Author: Bryan Yan

9:15 AM | TCT 1490: Transcollateral recanalization of Popliteal ATA and PTA
Presenting Author: Farhat Fouladvand

9:15 AM | TCT 1491: Endovascular therapy for iliac arteries via Distal Radial Artery in Hemodialysis Patient
Presenting Author: ALEJANDRO MARIO MARTINEZ

9:15 AM | TCT 1492: A rare case of acute idiopathic axillary artery occlusion DVT amp Massive pulmonary emboilsm
Presenting Author: Sreekala Padmanabhan

9:15 AM | TCT 1493: High Output Cardiac Failure Resulting from Renal Artery Stenosis Related to an Aortic Endoluminal Graft
Presenting Author: Srikshana Sridhara

Presenting Author: Gustavo Carvalho

9:15 AM | TCT 1495: Stroke due toparadoxical emboli from pulmonary arteriovenous malformation
Presenting Author: Ki Buom Lee

9:15 AM | TCT 1496: My most challenging case
Presenting Author: Mark Abelson

Presenting Author: Nikita Litvinyuk

9:15 AM - 10:45 AM
Coronary XIV
Discussant: Xuebo Liu, Massimo Mancone, Lampros Michalis, Michael Mooney, Graham Nichol, Eugenia Nikolsky, Manotosh Panja, Jiancheng Xiu, Yuejin Yang, Azfar G. Zaman, Chris Zambikides, Feng Zhang

9:15 AM | TCT 1498: A Case of Spontaneous Coronary Artery Dissection Managed Based on NIRS IVUS Findings
Presenting Author: Adnan Kassier

9:15 AM | TCT 1499: 3 D OCT guided Culotte intervention of LAD and D 1 bifurcation : Step by step
Presenting Author: Ganesan Nambirajan

9:15 AM | TCT 1500: OCT guided exclusion of expanding multiple coronary aneurisms induced by bioresorbable scaffolds
Presenting 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.
Presenting Author: Hiroyuki Nagai

9:15 AM | TCT 1502: A Case of Multivessel Recanalization of Organized thrombus
Presenting Author: Hwa Jung Kim

9:15 AM | TCT 1503: OCT Guided PCI of Left Main Coronary Artery Stenting in Acute Coronary Syndrome
Presenting Author: Jeetender kumar kala

9:15 AM | TCT 1504: Zero Contrast Minimal Contrast Image Guided PCI
Presenting Author: KARTHIK VASUDEVAN

9:15 AM | TCT 1505: Instant neotherosclerotic dissection versus geographic miss with dissection: need for multimodal imaging
Presenting Author: Maya Safarova

9:15 AM | TCT 1506: MILKING THROUGH THE STENT
Presenting Author: roopali reddy dandu

9:15 AM | TCT 1507: An unstable angina case caused by coronary spasm not noticed without intravascular ultrasound finding
Presenting Author: Shyam Sasidharan

9:15 AM | TCT 1477: Shock after successful Primary PCIa 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

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Presenting Author: Sayed Elgazy

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  
Structural IX
Discussant: Amr E. Abbas, Ramesh Adiraju, Carla Agatiello, Matthias Göteborg, Issam D. Moussa, Christoph A. Nienaber, Mark Osten, Jai-Wun Park, Mehul Patel

9:15 AM  
TCT 1513: The Use of Multimodality Imaging to Diagnose Late Onset Complication Post TAVR: The Utility of MRI derived 4D Flow  
Presenting Author: Atul Chugh

9:15 AM  
TCT 1514: Transcatheter Repair of Anterior Mitral Leaflet Perforation and Hemolysis: Deploy Retrieve Redeploy  
Presenting Author: Abdul Qazi

9:15 AM  
TCT 1515: PCI to iatrogenic Left Main stenosis occurring after the sequential replacement of a defective aortic valve  
Presenting Author: Austin Komaranchath

9:15 AM  
TCT 1516: Video Assisted Thoracoscopic Repair of a Penetrating Cardiac Injury with a Percutaneous ASD Occlusion Device: A Structural Heart Team Approach  
Presenting Author: Joshua goldberg

9:15 AM  
TCT 1518: A Case Series of Late Valve Migration after Transcatheter Aortic Valve Implantation  
Presenting Author: Eric Cantey

9:15 AM  
TCT 1519: MitraClip XTR embolization and retrieval Gripper Line Failure  
Presenting Author: femi philip

9:15 AM  
TCT 1520: Out of the frying pan avoiding the fire: A IVV procedure resulting in a VSD  
Presenting Author: Hasan Rehman

9:15 AM  
TCT 1521: when a simple interventional procedure turns into a nightmare  
Presenting Author: heba nossier

9:15 AM  
TCT 1522: Slip N Slide: ValveEmbolization During Valve in Valve Transcatheter Aortic Valve Replacement  
Presenting Author: John Medamana

9:15 AM  
TCT 1523: Left Main Coronary Artery Occlusion during TAVR with Evolut R due to Skirt Obstruction of Sinus after Successful Left BASILICA  
Presenting Author: Alisha Goyal

9:15 AM  
TCT 1524: An Infolded EvolutTM: Unexpected Complication of Bicuspid Valve TAVR  
Presenting Author: Kamran I. Muhammad

9:15 AM  
TCT 1525: Percutaneous transcatheter closure of iatrogenic aorto right atrial fistula using the Amplatzer duct occluder  
Presenting Author: Kyung Hoon Roh

9:15 AM  
TCT 1526: Percutaneous closure of a post TAVR Aorta RV fistula  
Presenting Author: Michael Megaly

9:15 AM  
TCT 1527: Aortic para valvular leak repair Can TAVR be the answer  
Presenting Author: Mohamed Abdel-Aal Ahmed

9:15 AM - 10:45 AM  
Structural X
Discussant: Martine Gilard, Antoine Lafont, Reginald I. Low, Pranav Loyalka, Carl Agatiello, Matthias Göteborg, Issam D. Moussa, Christoph A. Nienaber, Mark Osten, Jai-Wun Park, Mehul Patel

9:15 AM  
TCT 1528: Percutaneous retrieval of an embolized 27 mm WATCHMAN device from the left ventricle using a combined transseptal and transarterial approach  
Presenting Author: Nikolaos Spilias

9:15 AM  
TCT 1529: Balloon Rupture Management During Bio prosthetic Aortic Valve Fracture.  
Presenting Author: Sayf Altabaqchali

9:15 AM  
TCT 1530: Successful implantation of MitraClip after cardiac tamponade  
Presenting Author: Shingo Mizuno

9:15 AM  
TCT 1414: Transcatheter Aortic Valve Replacement via the Common Carotid Artery - A Case Series  
Presenting Author: Giorgio Medranda

9:15 AM  
TCT 1532: Removal of Leadless pacemaker using double snare catheters  
Presenting Author: Tadashi YAMAMOTO

9:15 AM  
TCT 1533: Ruptured sinus of valseva complicating transcatheter aortic valve replacement Lessons and practical considerations for percutaneous closure.  
Presenting Author: Thato Mabote

9:15 AM  
TCT 1534: Percutaneous VA ECMO supported Transcatheter Valve in Valve implantation for Severe Bioprosthetic Pulmonic Valve Dysfunction  
Presenting Author: oakash garg

9:15 AM  
TCT 1535: A Rare Case of Carcinoid Heart Disease with Multi valvular Involvement Solved With Transcatheter Therapy  
Presenting Author: Kimberly Atianzar

9:15 AM  
TCT 1536: Successful coil embolization of a large RCA coronary sinus fistula causing coronary steal and a significant left to right shunt  
Presenting Author: Akanksha Thakkar

9:15 AM  
TCT 1537: Large LVOT pseudoaneurysm closed percutanously from novel apical approach  
Presenting Author: Andrew Chatfield

9:15 AM  
TCT 1538: Percutaneous Closure of an Apical Pseudoaneurysm with an Amplatz VSD Occluder viaRetrograde Approach  
Presenting Author: Andrew Chatfield
Presenting Author: Josef Bis

TCT 1553: TAVR for an aortic valve insufficiency in a very young patient with an initial diagnosis of a congenital aortic stenosis.
Presenting Author: Jaroslaw Trebacz

2:00 AM - 3:30 AM

Coronary: CoreCoronary: CHIPStructural: Non-ValveStructural: Valve

CHALLENGING CASES 6

SALUTY, SEPTEMBER 28, 2019
2:00 AM - 3:30 AM
Hall D

2:00 AM

TCT 1564: Anomalous left main coronary origin from right coronary sinus in 69 year old male with advanced atherosclerotic multivessel disease left main in stent stenosis and proximal left cx severe stenosis
Presenting Author: Ahmad Fathy
2:00 PM - 2:30 PM
TCT 1565: Post TAVI PCI for Inferior Infarction The challenge
Presenting Author: Ahmed Ashraf Eissa

2:00 PM - 2:30 PM
Presenting Author: Ahmed Elghamaz

2:00 PM - 2:30 PM
TCT 1567: How can you transform a simple cruch case to a hushle Overconfidence is a sin
Presenting Author: Ahmed Mowafy

2:00 PM - 2:30 PM
TCT 1568: RADIAL PCI IVUS GUIDED IN ANOMALY RARE LM AND MVDS
Presenting Author: ahmed zaid

2:00 PM - 2:30 PM
TCT 1569: Giant coronary aneurysm treated with stent and a ball of coils
Presenting Author: Anita Paggi

2:00 PM - 2:30 PM
TCT 1453: Challenging Access Preparation and Imaging Guided Complex Single Remaining Vessel Left Main PCI under Hemodynamic Support in a Patient with Impaired LV Function and Generalized Atherosclerosis
Presenting Author: Jonas Haener

2:00 PM - 2:30 PM
TCT 1571: Successful Angioplasty of a Very High Pressure Resistant Angulated Calcified Coronary Artery Lesion With a Shockwave IVL Catheter Advanced Using a Guide Catheter Extension
Presenting Author: Antoine Gerbay

2:00 PM - 2:30 PM
TCT 1572: Lower dose of tissue plasminogen activator used for ultrasound assisted catheter directed thrombolysis for high risk pulmonary embolism in a post operative patient with a high risk of bleeding
Presenting Author: Anika Aggarwal

2:00 PM - 2:30 PM
TCT 1573: IVUS GUIDED LEFT MAIN DK CRUSH PTCA WITH ROTABATION AND IABP SUPPORT IN A CASE OF TENSION PNEUMOTHORAX ON VENTILATOR.
Presenting Author: Arshad Mushahafil

2:00 PM - 2:30 PM
TCT 1574: Successful staged PCI with atherectomy of LAD and RCA followed by TAVR in a patient with multivessel CAD and severe aortic stenosis.
Presenting Author: Ashvarya Mangla

2:00 PM - 2:30 PM
TCT 1575: Antegrade fenestration and re entry AFR with small diameter balloons.
Presenting Author: Mauro Carlino

2:00 PM - 2:30 PM
TCT 1576: A Non Usual Critical Stenosis with Cardiogenic Shock after Cardiac Surgery.
Presenting Author: marc bedossa

2:00 PM - 2:30 PM
TCT 1577: Thrombus Embolization while Attempting Access for Mitral Clip
Presenting Author: Marios Charalambous

2:00 PM - 2:30 PM
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 - 2:30 PM
Coronary XXVII
Discussant: Christos Christou, Jorge Cortes Lawrenz, Alejandro Goldsmith, Tarek Helmy

2:00 PM - 2:30 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 - 2:30 PM
TCT 1580: A challenging CTO case with a forgotten complication
Presenting Author: mohamed Abo Bakr Elbayoumi

2:00 PM - 2:30 PM
TCT 1581: Take the risk or lose the chance A very critical distal LM Bifurcational PCI
Presenting Author: Moheb Wadie

2:00 PM - 2:30 PM
TCT 1583: FUNCTIONAL ASSESSMENT OF SEQUENTIAL CORONARY ARTERY FISTULA AND CORONARY ARTERY STENOSIS WITH INSTANTANEOUS WAVE FREE RATIO IFR
Presenting Author: Muhammad Siddiqui

2:00 PM - 2:30 PM
TCT 1585: The art of retrograde approach in chronic total occlusion: Externalisation to facilitate our difficulties
Presenting Author: NAY THU WIN

2:00 PM - 2:30 PM
TCT 1586: Intra Coronary Rotaglide Injection To Facilitate Passage Of Rotafloppy Wire Across An Uncrossable Severely Calcified Lesion.
Presenting Author: Nirmal Kaur

2:00 PM - 2:30 PM
TCT 1587: Kiss kiss and kiss its healthy
Presenting Author: Osama Shoeib

2:00 PM - 2:30 PM
TCT 1588: Emergency Shockwave assisted PCI to underexpanded left main stem stents in Acute MI.
Presenting Author: Arvindra Krishnamurthy

2:00 PM - 2:30 PM
TCT 1590: Left Main Bifurcation Stenting by DK Crush technique
Presenting Author: Preeti Sharma

2:00 PM - 2:30 PM
TCT 1591: COMPLEX HIGH RISK PTCA FROM LM OSTIUM TO DISTAL LAD IN CLACIFIED ARTERY USING BUDDY WIRE TECHNIQUE
Presenting Author: RAGHAV SHARMA

2:00 PM - 2:30 PM
TCT 1592: I had a crushI kissed but still its not a love story
Presenting Author: RAHMATULLAH ASIF

2:00 PM - 2:30 PM
TCT 1593: Complex Retrograde RCA CTO PCI
Presenting Author: Raj Chandwaney

2:00 PM - 3:30 PM
Coronary XXVII
Discussant: Amr E. Abbas, Ramesh Adiraju, Nickolas Nodar Kipshidze, Nick Lokkis, Hung Q. Ly, Sandeep Nathan, Marin Postu, Michael F. Savage, Sayan Sen

2:00 PM - 2:30 PM
TCT 1594: Just a mess
Presenting Author: ramy atlm

2:00 PM - 2:30 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 - 2:30 PM
TCT 1596: Line em up A comprehensive heart team approach to multiple severe vascular conditions
Presenting Author: Rohan Mehta

2:00 PM - 2:30 PM
TCT 1597: Going in the opposite way is not always bad
Presenting Author: Rosa Alba Abellas

2:00 PM - 2:30 PM
TCT 1598: THROMBUS OR DISSECTION:WHICH IS THE WORST ENEMY
Presenting Author: RAGHAV SHARMA

2:00 PM - 2:30 PM
TCT 1599: Combined Transcatheter Aortic Valve Replacement and Transcatheter Mitral VIV Replacement for Mixed Aortic Stenosis and Severe Mitral Prosthesis Stenosis and Regurgitation
TCT 1600: Chronic Total Occlusion Percutaneous Coronary Intervention of Left Anterior Descending Artery in a Patient with Severe Anaphylaxis to Iodinated Contrast Agents
Presenting Author: Saroj Neupane

TCT 1601: Severely Resistant Lesion of Right Coronary Artery Managed with High Pressure Balloon
Presenting Author: Sasa Loncar

TCT 1602: Making the impossible possible: Appropriate use of hybrid techniques
Presenting Author: SATNAM SINGH

TCT 1603: Primary revascularization of occluded saphenous vein graft to detect anastomosis with IVUS guidance for treatment of Long RCA CTO lesion
Presenting Author: SEIJU KANO

TCT 1604: How to manage an unusual complication after primary percutaneous intervention
Presenting Author: Marouane Boukhris

TCT 1605: An Odd Exit: Story of a LM
Presenting Author: Md Minhaj Arefin

TCT 1606: Stuck in a Crossroad
Presenting Author: Michael Chiang

TCT 1607: Recover an Acutely Occluded Side Branch with a Small Balloon over a Jailed Wire Following Provisional Stenting
Presenting Author: Michael Liang

TCT 1608: OCT Saved The Day A Complication never reported before
Presenting Author: Milan Chag

TCT 1609: Stuck IVUS causing damage to the stent on pullback.
Presenting Author: Mohit Sharma

TCT 1610: DISLODGERENSTUCK TWICE
Presenting Author: MUHAMMED SHALOOB

TCT 1611: Coronary perforation complicated with balloon shaft rupture
Presenting Author: ERTUGRUL OKUYAN

TCT 1612: Delayed covered coronary wall rupture following rotational atherectomy in the subintimal space during percutaneous recanalization of a long and heavily calcified LAD CTO successfully treated with implantation of two newer generation thin strut covered stents.
Presenting Author: Sophie Degrauwe

TCT 1613: A balloon a day takes a day a non deflation night mare
Presenting Author: SUHAIL MUHAMMED

TCT 1614: Stuck Intracoronary balloon catheter with broken shaft Nightmare in Cathlab
Presenting Author: SUNIL KUMAR SRINIVAS

TCT 1615: Unintentional coronary stent extraction postdeployment due to wire trapping
Presenting Author: SUNIL KUMAR SRINIVAS

TCT 1616: ECMO TO THE RESCUE IN A CASE OF REPEATED STENT THROMBOSIS AFTER A PAMI FOR RIGHT VENTRICULAR MIYOCARDIAL INFARCTION
Presenting Author: Suresh Davis

TCT 1617: IATROGENIC DOUBLE HELIX IN ACUTE MI BLURRING TO BLIND
Presenting Author: vijaychaitanya borra

TCT 1620: A kinky problem
Presenting Author: Usha Rao

TCT 1621: Percutaneous intervention in LEVOATRIAL CARDINAL VEIN With Stent Implantation In The Coronary Sinus
Presenting Author: Sergey P. Semitko

TCT 1622: High Risk Transcatheter Pulmonic Valve Replacement of a Stenosed Conduit in a Hypercoagulable Patient
Presenting Author: Marc Gerdisch

TCT 1623: Percutaneous closure of post traumatic ventricular septal defects by PDA device: A case report.
Presenting Author: Tung Son Nguyen

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: Title: Anterior Aorta to Right Atrium Tunnel A rare Cause of right sided overload
Presenting Author: shah zeb

TCT 1626: Percutaneous intervention in LEVOATRIAL CARDINAL VEIN
Presenting Author: Soumya Patra

TCT 1627: Cardiac Arrest from Traumatic Aortopulmonary Window
Presenting Author: Tung Son Nguyen

TCT 1628: A Peculiar Path to the Pulmonic Valve
Presenting Author: Vignay Bang

TCT 1629: New onset decompensated heart failure secondary to biventricular non compaction cardiomyopathy and atrial septal defect in a female presenting in the 7th decade of life.
Presenting Author: Yash Jobanputra
2:00 PM
TCT 1644: Simultaneous TAVR and endovascular repair in 93 year old patient with severe aortic stenosis and severe aorto iliac disease
Presenting Author: Nadish Garg

2:00 PM
TCT 1635: Three In One Intervention in a Patient with Severe Transvalvular Bioprosthetic Aortic Regurgitation Severe Left Main Stem and Proximal Right Coronary Artery Disease amp Obstructive Peripheral Vascular Disease
Presenting Author: Neal Uren

2:00 PM - 3:30 PM
Structural III
Discussant: Joanna Chikwe, Abdallah El Sabbagh, Giovanni Esposito, Anton Farkas, Khalil Fattouch, Jason Foerst, George Gellert, Paul Gurbel, Joseph A. Hill, Vijay Iyer, Katherine Kearney, Nish Patel

2:00 PM
TCT 1637: Transcatheter heart valve performed in Patient with Bicuspid Aortic Valve with low coronary height
Presenting Author: Rajasekhar Varada

2:00 PM
TCT 1639: Ruptured Sapien balloon during TAV that resulted in death
Presenting Author: Ramesh Daggubati

2:00 PM
TCT 1517: After TAVI PVL treatment complications how much is too much
Presenting Author: Dariusz Jagielak

2:00 PM
TCT 1640: Percutaneous Closure of AortoRight Ventricular Fistula following Transcatheter Aortic Valve Replacement
Presenting Author: samineh sehatbakhsh

2:00 PM
TCT 1641: Intravascular Lithotripsy For Heavily Calcified Subclavian Artery Stenosis To Facilitate Transclavian TAVR Valve Delivery
Presenting Author: Saurabh Joshi

2:00 PM
TCT 1642: Plugging Paravalvular Leak in Transcatheter Aortic Valves
Presenting Author: Sean Conte

2:00 PM
TCT 1643: Transcatheter Aortic Valve Replacement in a Heavily Calcified Bicuspid Valve using Antegrade Annular Crossing
Presenting Author: Vinodh Kumar Paul pandi

2:00 PM
TCT 1644: Transcatheter heart valve performed in patient with severe calcific aortic stenosis with mild aortic regurgitation
Presenting Author: SHAJUDEEN k

2:00 PM
TCT 1645: Valve in valve Transcatheter Aortic Valve Replacement in a patient with late failure of Bentall procedure
Presenting Author: Simone Budassi

2:00 PM
TCT 1646: First Transfemoral Implantation of a JenaValveTM for severe aortic regurgitation in a failing autograft 12 years after Ross operation
Presenting Author: Stephan Fichtlscherer

2:00 PM
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

2:00 PM
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: Mohammed Alshehri

2:00 PM
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: Takayoishi Kanie

2:00 PM
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

2:00 PM
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: Tomoo Fujioka

2:00 PM
TCT 1652: Fortune favours the bold
Presenting Author: Vladimir Rubimbura

2:00 PM
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

2:00 PM
TCT 1406: Balloon Valve Expansion for the Treatment of Paravalvular Regurgitation
Presenting Author: Adib Chaus

2:00 PM
TCT 1655: Transcatheter Aortic Valve Replacement after Endovascular Aortic Repair
Presenting Author: Yoshimitsu Takaoka

2:00 PM
TCT 1656: a case of impending rupture of aortic aneurysm few days after TAVI for bicuspid valve
Presenting Author: YUSUKE TOKUDA

2:00 PM - 3:30 PM
Coronary XXX
Discussant: Robert J. Applegate, Stefan C. Bertog, Quang T. Bui, Marvin H. Eng, Francisco Fernandez-Aviles

2:00 PM
TCT 1657: Peri procedural mechanical circulatory support
Presenting Author: Lina Ya'qoub

2:00 PM
TCT 1659: Hemodynamic support in LM intervention is a cornerstone for saving the patient especially in acute situation
Presenting Author: Mohamed Oraby

2:00 PM
TCT 1660: Cardiogenic Shock due to STEMI and NO surgeons on site Staying Alive
Presenting Author: Dimitris Dampasis

2:00 PM
TCT 1661: Perfusionism a double edged sword
Presenting Author: YEE SIN TEY

2:00 PM
TCT 1662: Stuck In a Tight SpotThe Entrapment of an Inflated Balloon in the Left Main after VIVTAVR. Saved By IABP and RescueLeft Main Stenting.
Presenting Author: ABDEL RAHMAN OMER

2:00 PM
TCT 1664: IABP support in anterior STEMI with cardiogenic shock bilateral PEs and multifocal pneumonia.
Presenting Author: Bryce Rhodehouse
2:00 PM 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

2:00 PM TCT 1666: Every Interventionists nightmare: Intra aortic balloon pump IABP saved the day
Presenting Author: Siddhartha Mengi

2:00 PM TCT 1667: Axillary intra aortic balloon counterpulsation for severe ischemic mitral regurgitation and cardiogenic shock
Presenting Author: Klio Constantinou

2:00 PM 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

2:00 PM TCT 1682: Coronary obstruction following valve in valve TAVR despite BASILICA: Ready for the debris
Presenting Author: Faisal Khan

2:00 PM TCT 1683: RP Impella Post Right Ventricular Infarction
Presenting Author: Elise Anderson

2:00 PM 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

2:00 PM TCT 1690: Emergent PCI of a Critical Left Main Stenosis in Cardiogenic Shock with Hemodynamic Support using Impella CP
Presenting Author: Giorgio Medranda

2:00 PM TCT 1692: PROLONGED wins the race...
Presenting Author: Rimsha Hasan

2:00 PM TCT 1696: Impella supported LMS IVL PCI with pacemaker inhibition
Presenting Author: Claudia Cosgrove

2:00 PM TCT 1697: Successful Impella Supported Percutaneous Coronary Intervention in a Patient with Non ST Segment Elevation Myocardial Infarction Complicated by Cardiogenic Shock
Presenting Author: Michael Brener

2:00 PM TCT 1698: Ventricular fibrillation storm with multiple shocks while patient is awake thanks to Impella overcome byStellate Ganglion Block
Presenting Author: Bader Abu Ghalyoun

2:00 PM TCT 1699: Urgent Impella Guided High Risk PCI
Presenting Author: Ujjwal Rastogi

2:00 PM TCT 1703: Impella CP and intravascular lithotripsy in a case of high risk left main PCI
Presenting Author: Francesca Ristalli

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

2:00 PM 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: Franco Simon

2:00 PM TCT 1672: Biventricular Percutaneous Support With Biventricular Impella Support in a Patient With Profound Cardiogenic Shock
Presenting Author: Rohan Mehta

2:00 PM TCT 1673: Successful use of impellaCP through femoral access in a patient with bilateral iliac and aortic endoprostheses in the setting of cardiogenic shock
Presenting Author: Luis Dallan

2:00 PM TCT 1671: Impella Support in Transgender Patient Receiving Hormone Replacement Therapy Presenting with STEMI and Cardiogenic Shock.
Presenting Author: Iliana Samara Hurtado Rendon

2:00 PM TCT 1675: Cardiogenic Shock Complicated by Diffuse Alveolar Hemorrhage DAH: Simultaneous use of an Impella CP and Venous Venous VV Extracorporeal Membrane Oxygenation ECMO in a Case of ST Elevation Myocardial Infarction STEMI requiring tissue Plasminogen Activator tPA
Presenting Author: Peter Nguyen

2:00 PM TCT 1676: Hemodynamic Support or Not: High risk PCI in STEMI and Cardiogenic Shock Presenting with Cardiac Arrest
Presenting Author: Jian Liang Tan

2:00 PM TCT 1677: Percutaneous Axillary Access for Mechanical Circulatory Support in Complex Higher Risk Indicated Procedures CHIP
Presenting Author: Luai Tabaza

2:00 PM TCT 1678: HAPPY HAIL MARY. CHIP: Alternative Access in Surgical Turndown
Presenting Author: Francois Simon

2:00 PM TCT 1681: Impella supported Left Main PCI in a Patient with RCA CTO
Presenting Author: Michael Megaly

2:00 PM TCT 1685: Bi ventricular support with oxygenator as alternative to VA ECMO in cases refractory cardiopulmonary failure
Presenting Author: HASSAN ALKHAWAM

2:00 PM TCT 1686: Lean on Me: Impella Support in Unprotected Left Main Following Cardiac Arrest
Presenting Author: David Wong

2:00 PM TCT 1688: Mechanical Assistance with Impella Device for Treatment of Shock in Patients Undergoing TAVR.
Presenting Author: Jay Patel

2:00 PM TCT 1689: Line em up A comprehensive heart team approach to multiple severe vascular conditions.
Presenting Author: Rohan Mehta

2:00 PM TCT 1691: How to Patch a Garden Hose
Presenting Author: sabaeda kadavath

2:00 PM TCT 1693: Multivessel coronary artery disease and severe aortic stenosis with reduced left ventricular function. Impact of mechanical support device in combined high risk structural heart and coronary artery intervention
Presenting Author: Serdar Farhan

2:00 PM TCT 1694: When Should We Interfer
Presenting Author: Mohammad El Tahlawi

2:00 PM TCT 1695: Transgender Patient receiving Cross Sex Hormone Therapy presenting as an Anterior STEMlcomplicated byCardiogenic Shock with Successful Acute Unloading of the LV using Impella CP
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

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

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: 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, Rajiv Tayal

10:20 AM - 11:30 AM
Hands-On Device Deployment
Training Pavilion Faculty: Adhir Shroff, Rajiv Tayal

NOW THAT I SEE IT, I KNOW HOW TO TREAT IT!: A HANDS-ON OCT SKILLS LAB

Now That I See It, I Know How To Treat It!: A Hands-On OCT Skills Lab
Coronary: Core

SATURDAY, SEPTEMBER 28, 2019
12:00 PM - 1:30 PM
Abbott Pavilion

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

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, Rajiv Tayal

2:20 PM - 3:30 PM
Hands-On Device Deployment
Training Pavilion Faculty: Adhir Shroff, Rajiv Tayal

PHYSIOLOGY SIMPLIFIED: A HANDS-ON RFR SKILLS LAB

SATURDAY, SEPTEMBER 28, 2019
4:00 PM - 5:30 PM
Abbott Pavilion

4:00 PM - 4:15 PM
Didactic Session
Training Pavilion Faculty: Kevin J. Croce, Eric Lindley, Bruce Samuels, R. Jay Widmer

4:15 PM - 5:30 PM
Hands-On Activity Guided by Five Case Scenarios: Utilizing a Wet Model to Perform RFR and FFR
Training Pavilion Faculty: Kevin J. Croce, Eric Lindley, Bruce Samuels, R. Jay Widmer

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 - 8:30 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

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
Training Pavilion Faculty: Perwaiz M. Meraj, Srini Potluri, Anthony J. Spaedy

10:00 AM
Introduction
10:05 AM
Complex Lesion Algorithmic Approach: Proven Devices and New Applications
10:35 AM
Hands On Rotations

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: Yiannis S. Chatzizisis, Allen Jeremias, Arnold Seto

12:00 PM
Introduction
12:05 PM
Protected TAVR: An Interactive Experience with Sentinel Cerebral Protection System
12:35 PM
Hands On Rotations
### LOW-RISK TAVR: Case Selection and Lifetime Treatment Pathway Considerations

**Structure: Valve**

**SATURDAY, SEPTEMBER 28, 2019**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tr>
<td>12:00PM</td>
<td>Introduction</td>
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<tr>
<td>12:05PM</td>
<td>Low Risk Data Review</td>
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<tr>
<td>12:15PM</td>
<td>Low Risk Patient Selection and Treatment Pathways: Considerations and Shared Decision Making</td>
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<tr>
<td>12:45PM</td>
<td>Interactive Discussion on Patient Scenarios</td>
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**Training Pavilion Faculty:** James Harvey, Tsuyoshi Kaneko

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### How Things Work: The Science of RDN

**Vascular**

**SATURDAY, SEPTEMBER 28, 2019**

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<tr>
<th>Time</th>
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<tr>
<td>2:00PM</td>
<td>Session Objectives</td>
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<tr>
<td>2:05PM</td>
<td>Preclinical Evidence About Renal Denervations Mechanism of Action</td>
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<tr>
<td>2:25PM</td>
<td>Renal Denervation Response and Affecting Factors: What About Isolated Systolic Hypertension</td>
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</table>

**Training Pavilion Faculty:** Alok Finn, Philipp Lurz, John W. Osborn, Konstantinos P. Tsioufis

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### Onyx ONE and the High Bleeding Risk Patient: Real-World Case Reviews and Discussion

**Coronary: CHIP**

**SATURDAY, SEPTEMBER 28, 2019**

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<tr>
<td>8:00AM</td>
<td>Onyx ONE and the High Bleeding Risk Patient: Real-World Case Reviews and Discussion</td>
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**Training Pavilion Faculty:** Alok Finn, Elvin Kedhi, Daniel I. Simon, Stephan Windecker

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### Bifurcation PCI: A Step-by-Step Training Approach (Visible Heart)

**Coronary: CHIP**

**SATURDAY, SEPTEMBER 28, 2019**

<table>
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<tr>
<td>10:00AM</td>
<td>Bifurcation PCI: A Step-by-Step Training Approach (Visible Heart)</td>
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**Training Pavilion Faculty:** Francesco Burzotta, Jens Flensted Lassen, Goran Stankovic

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### Protected TAVR: An Interactive Experience with Sentinel Cerebral Protection System

**Training Pavilion Faculty:** Vijay Iyer, Tamim M. Nazif

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**12:00PM - 1:30PM**

**Transcatheter Valve Therapy | Saturday, September 28, 2019**

**Hands On Simulation**

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**Last Updated 09/30/2019 Page: 199**
TIPS, TOOLS, AND TECHNIQUES FOR SUCCESSFUL POST-TAVR PCI

Tips, Tools, and Techniques for Successful Post-TAVR PCI

Structural: ValveCoronary: CHIPCoronary: Core

SATURDAY, SEPTEMBER 28, 2019
4:00 PM - 5:30 PM
Medtronic Pavilion

4:00 PM - 5:30 PM
Tips, Tools, and Techniques for Successful Post-TAVR PCI
Training Pavilion Faculty: Stanley J. Chetcuti, Poonam Velagapudi

4:00 PM Introduction to Post TAVR PCI
4:15 PM Cases With Common Access Challenges
4:35 PM Simulation Demo
4:45 PM Hand On Simulation

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
### 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**

**Interventional Treatment of Cardiogenic Shock: Hands-on Training with Impella, Protek DUO, and ECLS Systems (Session II)**

- **Training Pavilion Faculty:** David A. Baran, Arthur Garan, Maximilian Halbe, Colin Hirst, Amir Kaki, Francesco Maisano, Dennis Lynn Morris, William W. O’Neill, Luca Vincentini

**10:00 AM**

**Session I: Overview**

- **10:00 AM: 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**

**SATURDAY, SEPTEMBER 28, 2019**

**2:00 PM - 3:30 PM**

**CRF Pavilion 1**
Interventional Treatment of Cardiogenic Shock: Hands-on Training with Impella, Protek DUO, and ECLS Systems (Session III)

Training Pavilion Faculty: David A. Baran, Arthur Garan, Maximilian Halbe, Amir Kaki, Sanjog Kalra, Navin K. Kapur, Dennis Lynn Morris, Luca Vincentini

2:00 PM - 3:30 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

Rotation: Hands On Training With LivaNova ECLS Equipment
Training Pavilion Faculty: David A. Baran
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 the Protek Duo Cannula Insertion and Pump for Right Heart Support
Training Pavilion Faculty: Dennis Lynn Morris
2:10 PM Rotation 1
2:10 PM Rotation 2
2:30 PM Rotation 3
2:50 PM Rotation 4

Rotation: Hands On Training With the CardioHelp Device
Training Pavilion Faculty: Amir Kaki
2:10 PM Rotation 1
2:30 PM Rotation 2
2:50 PM Rotation 3
3:10 PM Rotation 4

Rotation: Understanding the Hemodynamics of MCS: Harvi Simulator
Training Pavilion Faculty: Arthur Garan
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  
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  

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  

SATURDAY, SEPTEMBER 28, 2019  
8:00 am - 9:30 am  
CRF Pavilion 2  

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  

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  

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  

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  

COMPLEX LESION MANAGEMENT IN SFA INTERVENTION  

Complex Lesion Management in SFA Intervention  
Vascular
Complex Lesion Management in SFA Intervention

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

TIPS AND TRICKS FOR CHIP/COMPLEX PCI

Tips and Tricks for CHIP/Complex PCI

SATURDAY, SEPTEMBER 28, 2019
2:00 PM - 3:30 PM
CRF Pavilion 2

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
CTO MASTERS OPERATOR WORKSHOP @ TCT 2019: PART 1

CTO Masters Operator Workshop @ TCT 2019: Part 1
Coronary: CHIP

SATURDAY, SEPTEMBER 28, 2019
8:00 am - 9:30 am
CRF Pavilion 3

8:00 am - 8:05 am
Introduction and Opening Speech
Training Pavilion Faculty: Junbo Ge

8:05 am - 8:20 am
Practice-Based Lecture: Antegrade Approach for CTO — How and Why?
Training Pavilion Faculty: Jie Zhao

8:20 am - 8:35 am
Practice-Based Lecture: ADR for CTO — How and Why?
Training Pavilion Faculty: Bin Nie

8:35 am - 8:50 am
Practice-Based Lecture: IVUS-Guided CTO PCI — How and Why?
Training Pavilion Faculty: Chunjian Li

8:50 am - 9:30 am
Meet the Experts 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

CTO Masters Operator Workshop @ TCT 2019: Part 2
Coronary: CHIP

SATURDAY, SEPTEMBER 28, 2019
8:00 am - 9:30 am
CRF Pavilion 2

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: Rajiv Tayal

Tips and Tricks for CHIP/Complex PCI

Coronary: CHIP

SATURDAY, SEPTEMBER 28, 2019
4:00 pm - 5:30 pm
CRF Pavilion 2

4:00 pm
Tips and Tricks for CHIP/Complex PCI Session II
Training Pavilion Faculty: Dimitrios Bliagos, David Hildick-Smith, Saidur Rahman Khan, Rajiv Tayal, 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: Rajiv Tayal
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

CINCHING THE MITRAL APPARATUS TO TREAT FMR: CARILLON MITRAL CONTOUR SYSTEM HANDS-ON TRAINING

SATURDAY, SEPTEMBER 28, 2019
2:00 PM - 3:30 PM
CRF Pavilion 3

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

2:15 PM - 2:25 PM
The Carillon Mitral Contour System
Training Pavilion Faculty: Steven Goldberg, Klaus Witte

2:25 PM - 3:25 PM
Breakout Sessions
Training Pavilion Faculty: Steven Goldberg, Klaus Witte

2:25 PM
Station 1: Dry Model Deployment of the Carillon Mitral Contour System
Training Pavilion Faculty: ma jianying, Weiming Li

2:25 PM
Station 2: Animal Model Deployment of the Carillon Mitral Contour System
Training Pavilion Faculty: ma jianying, Weiming Li

2:25 PM
Station 3: Wet Model Deployments of the Carillon Mitral Contour System Showing Improvements in Hemodynamics and Cinching of the Mitral Apparatus

3:25 PM - 3:30 PM
Close and Adjourn
Training Pavilion Faculty: Steven Goldberg, Klaus Witte

CINCHING THE MITRAL APPARATUS TO TREAT FMR: CARILLON MITRAL CONTOUR SYSTEM HANDS-ON TRAINING

SATURDAY, SEPTEMBER 28, 2019
4:00 PM - 5:30 PM
CRF Pavilion 3

4:00 PM - 4:05 PM
Introduction
Training Pavilion Faculty: Steven Goldberg, Klaus Witte

4:05 PM - 4:10 PM
Cardiac Dimensions’ Mission
Training Pavilion Faculty: Steven Goldberg, Klaus Witte

4:15 PM - 4:25 PM
The Carillon Trial: IDE Study Currently Enrolling Sites and Patients
Training Pavilion Faculty: Steven Goldberg, Klaus Witte

4:25 PM - 5:25 PM
Breakout Sessions
Training Pavilion Faculty: Steven Goldberg, Klaus Witte

4:25 PM
Station 1: Dry Model Deployment of the Carillon Mitral Contour System

4:25 PM
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

4:25 PM

Training Pavilion Faculty: Steven Goldberg, Klaus Witte

5:25 PM - 5:30 PM
Close and Adjourn

BIORESORBABLE SCAFFOLDS - 4

Bioresorbable Scaffolds - 4

SATURDAY, SEPTEMBER 28, 2019
9:30 AM - 10:30 AM
Moderated Posters 4

9:30 AM - 10:30 AM
Bioresorbable Scaffolds - 4
Moderators: Jean-François TanguayDiscussants: Stefan Verheyen, Nick E. J. West

9:30 AM
TCT 182: Peri strut low intensity areas and neointimal response evaluation by serial optical coherence tomography at baseline 1 2 and 5 years after bioresorbable scaffold implantation in STEMI
Presenting Author: Dorota Ochijewicz

9:37 AM
Discussion

9:40 AM
TCT 183: The Impact of Atherosclerotic Plaque Type on Strut Penetration and Local Hemodynamics in Bioresorbable Scaffolds
Presenting Author: ERHAN TENEKCI OGLU

9:47 AM
Discussion

9:50 AM
TCT 184: Early Scaffold Disruption and Late Structural Discontinuity after Implantation of the Aptitude Sirolimus Eluting Bioresorbable Scaffold in Normal Porcine Coronary Arteries: An OCT Study
Presenting Author: Yanping Cheng

9:57 AM
Discussion

10:00 AM
TCT 185: ABSORB CTO study. Long term follow up and vasomotor and OCT findings.
Presenting Author: LIVIA LUCIANA GHEORGHE

10:07 AM
Discussion

10:10 AM
TCT 186: Preclinical Evaluation of a Novel Thin strut PLLA Bioresorbable Scaffold in Porcine Coronary Artery at 6 month Follow up
Presenting Author: Kuniaki Takahashi

10:17 AM
Discussion

10:20 AM
TCT 187: Reduction of Strut Thickness Improves Early up to 180 Days Arterial Response To The Ultra High Molecular Weight Amorphous PLLA Sirolimus Eluting Bioresorbable Scaffolds in Normal Porcine Coronary Arteries
Presenting Author: Pawel P. Gasior

10:27 AM
Discussion

TCT 294: Clinical Outcomes in Women and Minorities According to the Urgency of Percutaneous Coronary Intervention
Presenting Author: Davide Cao

9:37 AM
Discussion

9:40 AM
TCT 295: Prognosis of percutaneous coronary intervention with very long stents implantation in real clinical practice.
Presenting Author: IGNACIO SANCHEZ PEREZ

9:47 AM
Discussion

9:50 AM
TCT 296: Comparison between the use of very long stents and overlapping stents for the treatment of diffuse coronary artery disease. A real life registry
Presenting Author: IGNACIO SANCHEZ PEREZ

9:57 AM
Discussion

10:00 AM
TCT 297: Performing percutaneous coronary interventions with pre dilatation using non compliant balloons at high pressure versus conventional pre dilatation with semi compliant balloons. Insights from two randomized studies using optical coherence tomography
Presenting Author: Matthias Bossard

10:07 AM
Discussion

10:10 AM
TCT 298: Outcomes of Patients Undergoing Complex Percutaneous Coronary Intervention
Presenting Author: Lorenzo Azzalini

10:17 AM
Discussion

10:20 AM
TCT 299: The Impact of Left Ventricular Ejection Fraction on Long term Outcomes in Patients Undergoing PCI: Analysis from a large pooled randomized trial dataset
Presenting Author: mingyou zhang

10:27 AM
Discussion

HEMODYNAMIC SUPPORT DURING PCI
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. Stuckey

**Discussants:** John McB. Hodgson, Michael A. Kutcher, 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-khadra

- **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

**INTRAVASCULAR IMAGING - 4**

**Intravascular Imaging - 4**

**Coronary:** Core

SATURDAY, SEPTEMBER 28, 2019
9:30 AM - 10:30 AM
Moderated Posters 2

9:30 AM - 10:30 AM
**Intravascular Imaging - 4**

**Moderators:** Vincent On-Hing Kwok

**Discussants:** Atul Abhyankar, Haibo Jia, Sean Madden, Lucy Sofi, Zhiqing Zhao

- **9:30 AM**
  - TCT 358: Clinical impact of intravascular ultrasound guidance in stenting for angiographically moderate to severe calcified coronary lesion
    - Presenting Author: Sang-Cheol Cho

- **9:37 AM**
  - Discussion

- **9:40 AM**
  - TCT 359: Intravascular Coronary Plaque Characterization Using Hybrid Intravascular Ultrasound and Optical Coherence Tomography: a Preliminary Study Based on User Interpretation Compared to Histology Reference
    - Presenting Author: Brian Li

- **9:47 AM**
  - Discussion

- **9:50 AM**
  - TCT 360: Infrapopliteal Arterial Dissections Following Balloon Angioplasty and Orbital Atherectomy Using Intravascular Ultrasound
    - Presenting Author: W John Shammas

- **9:57 AM**
  - Discussion

- **10:00 AM**
  - TCT 361: Optical Coherence Tomography in Routine Clinical Practice
    - Presenting Author: Jonas Haener

- **10:07 AM**
  - Discussion

- **10:10 AM**
  - TCT 362: Comparison of Outcomes in Patients undergoing Percutaneous Coronary Intervention Using Intravascular Ultrasound or Intravascular optical coherence tomography
    - Presenting Author: Fahed Darmoch

- **10:17 AM**
  - Discussion

- **10:20 AM**
  - TCT 363: In hospital Outcomes of Intracoronary Imaging guided Versus Angiographic guided Percutaneous Coronary Intervention
    - Presenting Author: Fahed Darmoch

- **10:27 AM**
  - Discussion

**NOVEL AORTIC DEVICES AND APPROACHES**

**Novel Aortic Devices and Approaches**

**Structural: Valve**

SATURDAY, SEPTEMBER 28, 2019
9:30 AM - 10:30 AM
Moderated Posters 5

9:30 AM - 10:30 AM
**Novel Aortic Devices and Approaches**
PRE-ClinICAL MODELS AND STUDIES

PRE-ClinICAL MODELS AND STUDIES

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: Transfemoral aortic valve implantation using self expanding New Valve Technology NVT Allegra bioprosthesis: short and long term results
Presenting Author: Dariusz Jagielak
9:57 AM Discussion
10:00 AM TCT 480: Specific intraprocedural adverse events with new generation self expandable TAVR devices: Is it all a matter of device size
Presenting Author: Verena Veulemans
10:07 AM Discussion
10:10 AM TCT 481: Transcatheter Transapical Aortic Valve Resection: NewDevices
Presenting Author: Georg Lutter
10:17 AM Discussion
10:20 AM TCT 482: Temporal evaluation of a biological response and functionality of a novel balloon expandable transcatheter aortic valve system MyVal in a model of aortic banding
Presenting Author: Piotr P. Buszman
10:27 AM Discussion

RENAL DENERVATION

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 Cava 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

SATURDAY, SEPTEMBER 28, 2019
9:30 AM - 10:05 AM
Moderated Posters 3

9:30 AM - 10:05 AM
Renal Denervation
Moderators: Dmitriy N. FeldmanDiscussants: Ian C. Gilchrist, Richard R. Heuser, Kintur A. Sanghvi, Andrew Sharp, Konstantinos P. Tsioufis

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 Noradrenalin 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
Discussion

9:47 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 - 2

Vulnerable Plaques and High-Risk Patients - 2
Coronary: Core

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
Moderators: Imad Sheiban, Robert L. Wilensky
Discussants: Lei Song, Konstantinos Toutouzas

9:30 AM TCT 833: Inflammatory Risk Status Is Age Dependent in Women but Not in Men Undergoing Percutaneous Coronary Intervention
Presenting Author: Rishi Chandiramani
Discussion

9:37 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
Discussion

9:47 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
Discussion

9:50 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
Discussion

10:00 AM TCT 837: Diagnosed Obstructive Sleep Apnea Is Associated With Improved in hospital Mortality In Patients With Non ST Elevation Myocardial Infarction
Presenting Author: Sakiru Isa
Discussion

10:17 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
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 - 11:30 AM Detection and Closure of Paravalvular Leaks
Moderators: Jose Luis Navia, Carlos E. Ruiz
Discussants: Andres Pineda

10:20 AM TCT 253: Transtacketer Device Closure of Paravalvular Leaks a Single Centre Experience
Presenting Author: Raghuram Palaparti
Discussion

10:27 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
Discussion

10:30 AM TCT 255: Impact of the Aortic Annulus Maximal Diameter on Oversizing the Self Expandable Valve Medtronic and on the Reduction of Post Transcatheter Aortic Valve Implantation Paravalvular Leak
Presenting Author: Bechara El JOURDI
Discussion

10:37 AM TCT 256: Minimally Invasive Transradial Approach for Percutaneous Closure of Aortic Paravalvular Leaks: a single center experience
Presenting Author: Luis Ortega-Paz
Discussion

10:47 AM TCT 257: Effect of Post Dilatation Irrespective of the Degree of Residual Paravalvular Leakage Following Balloon Expandable Transcatheter Aortic Valve Replacement
Presenting Author: TOMOHIRO KAWAGUCHI
Discussion

10:57 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

11:30 AM - 11:30 AM
Drug-Eluting Stent Studies - Biodegradable Polymers
Moderators: Olivier F. Bertrand, Stephen G. Ellis
Discussants: Stephen P. Hoole, Detlef G. Mathey

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: Two year Outcomes From Real World Patient Population From the T Flex Registry
Presenting Author: POTHINENI RAMESH BABU

10:57 AM Discussion

11:00 AM TCT 303: Efficacy and Safety of the Biodegradable polymer sirolimus eluting stents in Routine Clinical Practice: Data from the IRIS DES Registry
Presenting Author: Kyunglin 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

10:30 AM - 11:30 AM
Management of Antiplatelet Therapy and Anticoagulation in Patients Undergoing PCI - 4
Moderators: Ahmed Magdy
Discussants: Simon R. Dixon, Michael Maeng, Zuzana Motovska, Thomas D. Stuckey, Jean-François Tanguay

10:30 AM TCT 412: Comparative Safety and Efficacy of Second Generation P2Y12 inhibitors versus Clopidogrel in Combination with Oral Anticoagulation in Atrial Fibrillation Patients Undergoing Percutaneous Coronary Intervention: A Systematic Review and Meta Analysis
Presenting Author: Shaun Giancaterino

10:37 AM Discussion

10:40 AM TCT 413: Different Safety Pattern of Ticagrelor Monotherapy Following Percutaneous Coronary Interventions Related to Pulse Pressure Levels: A Sub analysis of the GLOBAL LEADERS Randomized Multicenter Trial
Presenting Author: Rodrigo Modolo

10:47 AM Discussion

10:50 AM TCT 414: Anticoagulation Regimens in Patients with Atrial Fibrillation undergoing Percutaneous Coronary Intervention Network Meta analysis.
Presenting Author: 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
10:30 AM - 11:30 AM
PCI and Bleeding Complications
Moderators: Philip M. Urban
Discussants: Nicola Corvaja, Mark B. Effron

10:30 AM
TCT 540: The Prognostic Impact of Bleeding and Ischemic Events on Mortality in Atrial Fibrillation Patients Undergoing Percutaneous Coronary Intervention Results From Multicenter Registry
Presenting Author: Hisao Otsuki

10:37 AM
Discussion

10:40 AM
TCT 541: Validation of the Academic Research Consortium High Bleeding Risk Criteria for Patients Undergoing Percutaneous Coronary Intervention
Presenting Author: Davide Cao

10:47 AM
Discussion

10:50 AM
TCT 542: Impact of Baseline Anemia and Thrombocytopenia on 1 Year Clinical Outcomes in Patients Undergoing Percutaneous Coronary Intervention
Presenting Author: Ridhima Goel

10:57 AM
Discussion

11:00 AM
TCT 543: Long term incidence and details of bleeding event after everolimus eluting stent implantation 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: Ridhima Goel

11:17 AM
Discussion

11:20 AM
TCT 545: Development and validation of a prediction rule for transfusion in patients undergoing percutaneous coronary intervention using administrative clinical parameters: A Korean nationwide longitudinal cohort study
Presenting Author: Jin-Ho Choi

11:27 AM
Discussion
### Transcatheter Valve Therapy | Saturday, September 28, 2019

**Moderated Posters 5**

**10:30 AM - 11:30 AM**

**TAVR vs. SAVR and TAVR vs. TAVR - 2**

**Moderators:** Joachim Schofer
**Discussants:** Carlos D. Caldera, 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:* Mahesh Anantha Narayanan

10:47 AM  
**Discussion**

10:50 AM  
*TCT 729: Short Term Outcomes with Transcatheter vs. Surgical Aortic Valve Replacement in Low Risk Patients: A Meta Analysis of Randomized Controlled Trials*

*Presenting Author:* Amartya Kundu

10:57 AM  
**Discussion**

11:00 AM  
*TCT 730: Key Cardiovascular Outcomes After Balloon Expandable Versus Self Expandable Transcatheter Aortic Valve Implantation*

*Presenting Author:* Haris Riaz

11:07 AM  
**Discussion**

11:10 AM  
*TCT 731: Varying Pressure Recovery characteristics between Balloon Expandable Versus Self Expanding Valves*

*Presenting Author:* Lakshmi Dasi

11:17 AM  
**Discussion**

11:20 AM  
*TCT 732: Corevalve Evolut PRO versus Evolut R: a case matched comparison in severely calcified anatnomes*

*Presenting Author:* Kerstin Piayda

11:27 AM  
**Discussion**

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### Vascular Access and Closure in PCI - 3

**Moderated Posters 2**

**10:30 AM - 11:30 AM**

**Vascular Access and Closure in PCI - 3**

**Moderated Posters 6**

**10:30 AM - 11:30 AM**

**Vulnerable Plaques and High Risk Patients - 3**

**Moderators:** Neal Gordon Uren, Bernhard Witzenbichler
**Discussants:** John A. Ambrose, Sohail Q. Khan, Nick E. J. West

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**Vulnerable Plaques and High Risk Patients - 3**

## SATURDAY, SEPTEMBER 28, 2019

**10:30 AM - 11:30 AM**

**Vascular Access and Closure in PCI - 3**

**Coronary: Core**

**SATURDAY, SEPTEMBER 28, 2019**

**10:30 AM - 11:30 AM**

**Moderated Posters 2**
10:30 TCT 839: The relationship between winter time and increased air pollution expressed as PM10 concentration and the frequency of percutaneous coronary interventions in patients with acute coronary syndromes
Presenting Author: Rafał Januszek
Discussion

Presenting Author: Sharmaine Thiru
Discussion

10:47 TCT 841: The Impact of HIV on Coronary Artery Procedure in Patients of Coronary Artery Disease
Presenting Author: Amer N. Kadri
Discussion

Presenting Author: Megha Prasad
Discussion

11:07 TCT 843: Burden of 30 days readmission after PCI to non index Hospital vs index Hospital in the United states: Insights from the Nationwide Readmission Database NRD
Presenting Author: boutros karam
Discussion

11:17 TCT 844: Very Late gt1 Year Stent Related Adverse Cardiovascular Events: Individual Patient Data and Network Meta Analyses from Nineteen Randomized Clinical Trials
Presenting Author: Mahesh V. Madhavan
Discussion

11:27 TCT 845: Comparison of long term outcomes of young acute myocardial infarction patients undergoing percutaneous coronary intervention and coronary artery bypass grafting: a meta-analysis
Presenting Author: Dong Joo Oh
Discussion

BIOMARKERS AND OUTCOMES

11:30 - 12:10
Biomarkers and Outcomes

11:30 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
TRANSCATHETER VALVE THERAPY | SATURDAY, SEPTEMBER 28, 2019

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 Transcriptional Signature of Reticulated Platelets
   Presenting Author: Dario Bongiovani

12:07 PM Discussion

CORONARY ARTERY SURGERY

CATH LAB OF THE FUTURE - 3

Cath Lab of the Future - 3
Coronary: Core

SATURDAY, SEPTEMBER 28, 2019
11:30 AM - 12:30 PM
Moderated Posters 7

11:30 AM - 12:30 PM
Cath Lab of the Future - 3
Moderators: Ryan D. MadderDiscussants: 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: Rodrigo Modolo

12:07 PM Discussion

11:30 AM TCT 236: Coronary artery bypass grafting in patients presenting with ST segment elevation myocardial infarction: The optimal timing and impact on outcomes: Insights from the TOTAL trial
   Presenting Author: Matthias Bossard

11:37 AM Discussion
11:40 AM TCT 237: Revascularization Options for Females with Coronary Artery Disease: A Meta Analysis of Randomized Controlled Trials
   Presenting Author: Tayyab Shah

11:47 AM Discussion
11:50 AM TCT 238: Detailed statistical analysis of intraoperative coronary bypass angiography in 1000 patients after surgical myocardial revascularization.  
   Presenting Author: Karen V. Petrosyan

11:57 AM Discussion
12:00 AM 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
MORTALITY AFTER PCI

**TAVR COMORBIDITIES AND COMPLICATIONS - 3**

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**Mortality After PCI**

**Coronary: CHIP**

**SATURDAY, SEPTEMBER 28, 2019**

11:30 AM - 12:30 PM

Moderated Posters 8

**TCT 418: Rates and Independent Correlates of 10 Year Major Adverse Events and Mortality in Patients Undergoing Left Main Revascularization**

*Presenting Author: Tae oh Kim*

**TCT 419: Predictors of Five Year Mortality After PCI: An Individual Patient Data Pooled Analysis of 32882 Patients From 21 Randomized Controlled Trials**

*Presenting Author: mayank yadav*

**TCT 420: Derivation and External Validation of a Novel Risk Score for Prediction of 30 Day Mortality After Percutaneous Coronary Intervention**

*Presenting Author: Sorin J. Brener*

**TCT 421: Predicting 2 years all cause mortality after contemporary PCI: revising and updating the logistic clinical SYNTAX score in the GLOBAL LEADERS study**

*Presenting Author: Ply Chichareon*

**TCT 422: Clinical Outcomes and Predictors of Mortality Among 847 Nonagenarians Undergoing Percutaneous Coronary Intervention: Insights From a Brazilian Nationwide PCI Registry CENIC Registry**

*Presenting Author: Fábio Augusto Pinton*

**TCT 423: Periprocedural Myocardial Infarction is Associated with Mortality in Stable Angina Pectoris Patients Undergoing Elective Coronary Intervention**

*Presenting Author: Mohamad Soud*

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**TAVR Comorbidities and Complications - 3**

**Structural: Valve**

**SATURDAY, SEPTEMBER 28, 2019**

11:30 AM - 12:30 PM

Moderated Posters 1

**TCT 703: Outcomes following aortic valve replacement for cardiogenic shock: transcatheter versus surgical approaches**

*Presenting Author: Samuel Maidman*

**TCT 704: Long Term Bleeding Following Transcatheter Aortic Valve Replacement in Patients with Chronic Kidney Disease is Associated with Increased Mortality**

*Presenting Author: Shawn Li*

**TCT 705: Thrombocytopenia and Outcomes after Transcatheter Aortic Valve Implantation**

*Presenting Author: Shinya Ito*

**TCT 706: Can Clinical Predictive Models Identify Patients Who Should Not Receive TAVR**

*Presenting Author: Benjamin Wessler*

**TCT 707: Effect of Hemodynamic Profile on Mortality in Veteran Patients with Pulmonary Hypertension Undergoing TAVR**

*Presenting Author: Timothy Pow*

**TCT 708: Outcomes of Transcatheter Aortic Valve Replacement in Oncology Patients with Severe Aortic Stenosis**

*Presenting Author: Fábio Augusto Pinton*
TAVR VS. SAVR AND TAVR VS. TAVR - 3

TAVR vs. SAVR and TAVR vs. TAVR - 3

Structural: Valve

SATURDAY, SEPTEMBER 28, 2019
11:30 AM - 12:30 PM
Moderated Posters 5

11:30 AM - 12:30 PM
TAVR vs. SAVR and TAVR vs. TAVR - 3
Moderators: Pieter R. Stella, Marco V. WainsteinDiscussants: Carlos D. Calderas, 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
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

VASCULAR ACCESS AND CLOSURE IN PCI - 4

Vascular Access and Closure in PCI - 4

Coronary: Core

SATURDAY, SEPTEMBER 28, 2019
11:30 AM - 12:30 PM
Moderated Posters 2

11:30 AM - 12:30 PM
Vascular Access and Closure in PCI - 4
Moderators: David X. ZhaoDiscussants: Anton Farkas, Ramzan M. Zakir

11:30 AM
TCT 795: Trends in the Prevalence and In Hospital Outcomes of Radial Versus Femoral Access in Percutaneous Coronary Intervention: a Report with 158363 Patients From the Brazilian Nationwide PCI Registry CENIC
Presenting Author: Fabio Augusto Pinton

11:37 AM
Discussion

11:40 AM
TCT 796: Physician Self Directed Transition From Femoral to Radial Access for Primary Percutaneous Coronary Intervention Does Not Adversely Affect Key Time Intensive Metrics: A Community Medical Center Experience
Presenting Author: Stephen Long

11:47 AM
Discussion

11:50 AM
TCT 797: Clinical Outcome in Femoral Access of High volume Radial Percutaneous Coronary Intervention Center in Patients With ST segment Elevation Myocardial Infarction
Presenting Author: Hyeon Jeong Kim

11:57 AM
Discussion

12:00 AM
TCT 798: Patent radial artery after transradial coronary intervention via distal radial access at anatomical snuffbox: optical coherent tomography study
Presenting Author: Daehwan Bae

12:07 AM
Discussion

12:10 AM
TCT 799: A Pilot Study of Accelerated Radial Artery Hemostasis Following Percutaneous Transradial Coronary Angiography Intervention Utilizing a Novel Topical Hemostatic Agent in Conjunction With Surface Compression
Presenting Author: Rojeev 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: Ziijing Liu

12:27 AM
Discussion

CHRONIC TOTAL OCCLUSIONS - 4

Chronic Total Occlusions - 4

Coronary: CHIP
TAVR COMORBIDITIES AND COMPLICATIONS - 4

TAVR Leaflet Thickening and Thrombosis

Structural: Valve

SATURDAY, SEPTEMBER 28, 2019
12:30 PM - 1:30 PM
Moderated Posters 5

12:30 PM - 1:30 PM
TAVR Leaflet Thickening and Thrombosis

SATURDAY, SEPTEMBER 28, 2019
12:30 PM - 1:30 PM
Moderated Posters 1
12:30 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 Discussion

12:40 TCT 716: Transcatheter Heart Valve Under Expansion increases the Likelihood of Leaflet Thrombosis
   Presenting Author: Farhan Khodaee

12:47 Discussion

12:50 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 Discussion

1:00 TCT 718: Subclinical Leaflet Thrombosis is Associated With Prosthesis Oversizing in Balloon Expandable Transcatheter Aortic Valve Replacement
   Presenting Author: Vaughan Tuohy

1:07 Discussion

1:10 TCT 719: Antithrombotic Strategies after Transcatheter Aortic Valve Implantation: Insights from a Network Meta Analysis
   Presenting Author: Toshiki Kuno

1:17 Discussion

1:20 TCT 720: Antithrombotic Treatment in Patients Undergoing Transcatheter Aortic Valve Replacement: a Single Center Experience
   Presenting Author: Fabian Plank

1:27 Discussion

SUNDAY, SEPTEMBER 29, 2019
MAIN ARENA IV: SUNDAY, SEPT. 29

8:00 AM - 8:45 AM
TCT Celebrates Clinical Science & Practice
Moderators: Juan F. Granada, David Hildick-Smith
Discussants: Giuseppe Biondi-Zoccai, John D. Carroll, Carlos Collet, Nicolas Foin, Timothy D. Henry, Michel R. Le May, Brij Maini, Stephane Noble, Grayson H. Wheatley

8:00 AM  Best Abstract of TCT 2019
   Presenter: Brian K. Whisenant

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
Moderators: Clyde W. Yancy
Discussants: Anita Asgar, Ori Ben-Yehuda, Samjot S. Brar, Donald Cutlip, Sameer Gafoor, Sanjay Kaul, Roxana Mehran, Eric A. Secemsky, Roseann M. White

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
Moderators: Martin B. Leon, Gregg W. Stone
Discussants: Maurice Buchbinder, Anthony DeMaria, John S. Douglas Jr, James S. Forrester, Philippe E. Gaspard, Chaim S. Lotan, Julio C. Palmaz, Jeffrey J. Popma, Chuck Simonton, Frederick G. St. Goar

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