ORAL ABSTRACTS: ADVANCED FFR-GUIDED DECISION MAKING

1:00 PM - 2:00 PM
Advanced FFR-Guided Decision Making
Moderators: William F. Fearon, Allen Jeremias
Discussants: Jose de Ribamar Costa Jr, Stephen P. Hoole, Matthias Niccoli, Expedito E. Ribeiro, Sayan Sen

1:00 PM  TCT 9: Coronary Pressure and Flow in Patients With Severe Aortic Stenosis and Coronary Artery Disease Undergoing TAVI: Implications for Clinical Indices of Coronary Stenosis Severity
Lecturers: Yousif Ahmad, MD

1:10 PM  Roundtable Discussion With Audience QA

1:15 PM  TCT 10: Physiological Versus Angiographic Guidance for Myocardial Revascularization in Patients Undergoing Transcatheter Aortic Valve Implantation
Lecturers: Gabriele Pesarini

1:25 PM  Roundtable Discussion With Audience QA

1:30 PM  TCT 11: Assessment of the Adenosine Dependent Hyperemic Response During the Subacute Phase of a Myocardial Infarction: Insights for FFR Guided Coronary Revascularization in Non Infarcted Related Arteries
Lecturers: Hernan Mejia-Renteria

1:40 PM  Roundtable Discussion With Audience QA

1:45 PM  TCT 12: Elevated FFR Values at the Acute Moment in Non Culprit Vessels of STEMI Patients due to Decreased Adenosine Responsiveness: A Comparison with the Adenosine Free iFR
Lecturers: Nina Van der Hoeven

1:55 PM  Roundtable Discussion With Audience QA

ORAL ABSTRACTS: AMI OUTCOMES

1:00 PM - 2:00 PM
AMI Outcomes
Moderators: Harold L. Dauerman, Rajesh M. Dave
Discussants: Angeles Alonso Garcia, Roberto Botelho, Warren J. Cantor, Jaya Chandrasekhar, Nabil Dib, Roberto Diletti

1:00 PM  TCT 21: Prognostic Impact of SYNTAX II Score in Patients With ST Elevation Myocardial Infarction Undergoing Primary Percutaneous Coronary Intervention: Analysis of an 8 year All Comers Registry
Lecturers: Ana Belen Cid Alvarez

1:10 PM  Roundtable Discussion with Audience QA

1:15 PM  TCT 22: The Residual SYNTAX Score Predicts Prognosis in ST Elevation Myocardial Infarction in Both Single Vessel and Multivessel Disease
Lecturers: Sonya Burgess

1:25 PM  Roundtable Discussion with Audience QA

1:30 PM  TCT 23: Derivation and Validation of Temperature Recovery Time as an Invasive Predictor of Microvascular Obstruction and Prognosis After ST Segment Elevation Myocardial Infarction
Lecturers: Annette Maznyczka

1:40 PM  Roundtable Discussion with Audience QA

1:45 PM  TCT 24: Impact of Bleeding on Outcome and Predictive Value of Bleeding Scores in Patients With Cardiogenic Shock – a Substudy of the CULPRIT SHOCK trial
Lecturers: Anne Freund

1:55 PM  Roundtable Discussion with Audience QA

ORAL ABSTRACTS: COMPLEX AND HIGHER RISK PROCEDURES FOR INDICATED PATIENTS (CHIP)
Complex and Higher Risk Procedures for Indicated Patients (CHIP)
Moderators: Jean Fajadet, Jeffrey W. Moses
Discussants: Todd J. Brinton, Cindy L. Grines, Jens Flensted Lassen, Robert T. Pyo, William M Suh, George W. Vetrovec

1:00 PM  TCT 25: Radial Artery Access And Outcomes For Left Main Stem PCI: An Analysis of 19482 Cases From the British Cardiovascular Intervention Society National Database
Lecturers: Tim Kinnaird

1:10 PM  Roundtable Discussion with Audience QA

1:15 PM  TCT 26: Recanalization of Chronic Total Occlusions in Patients With vs Without Chronic Kidney Disease: the Impact of Contrast Induced Acute Kidney Injury
Lecturers: Lorenzo Azzalini

1:25 PM  Roundtable Discussion with Audience QA

1:30 PM  TCT 27: Left Ventricular Function Following Higher Risk Percutaneous Coronary Intervention Performed With Hemodynamic Support
Lecturers: Juan Russo

1:40 PM  Roundtable Discussion with Audience QA

1:45 PM  TCT 28: Repeat Chronic Total Occlusion Angioplasty Following an Unsuccessful CTO PCI Attempt: Predictors of Success and Association of Success with Angina Symptoms
Lecturers: Adam C. Salisbury

1:55 PM  Roundtable Discussion with Audience QA

ORAL ABSTRACTS: EXCEL TRIAL SUBSTUDIES

FRIDAY, SEPTEMBER 21, 2018
1:00 PM - 2:00 PM
Room 33B-C, Upper Level

1:00 PM  TCT 33: Mortality After Repeat Revascularization Following PCI or CABG for Left Main Coronary Artery Disease: The EXCEL Trial
Lecturers: Gennaro Giustino

1:10 PM  Roundtable Discussion With Audience QA

1:15 PM  TCT 34: Effect of Baseline Anemia on Outcomes After PCI and CABG in Patients With Left Main Disease: The EXCEL Trial
Lecturers: Prakriti Gaba

1:25 PM  Roundtable Discussion With Audience QA

1:30 PM  TCT 35: Impact of Cardiovascular Rehospitalizations Following PCI vs CABG for Left Main Coronary Artery Disease: A Sex Specific Analysis From the EXCEL Trial
Lecturers: Ioanna Kosmidou

1:40 PM  Roundtable Discussion With Audience QA

1:45 PM  TCT 36: The Impact of Guideline Directed Medical Therapy after Revascularization in Patients With Left Main Coronary Artery Disease: Analysis From the EXCEL Trial
Lecturers: R. Jay Widmer

1:55 PM  Roundtable Discussion With Audience QA

ORAL ABSTRACTS: HYPERTENSION AND RENAL DENERVATION

FRIDAY, SEPTEMBER 21, 2018
1:00 PM - 2:00 PM
Room 32A-B, Upper Level
1:00 PM - 2:00 PM

Hypertension and Renal Denervation
Moderators: David E. Kandzari, Sidney C. Smith
Discussants: Michael Böhm, Richard R. Heuser, Piotr Jankowski, Ajay J. Kirtane, Paul A. Sobotka

1:00 PM  TCT 29: Procedural and Anatomic Predictors of Response in RADIANCE HTN SOLO: A Multicenter Randomized Sham Controlled Trial Of Endovascular Ultrasound Renal Denervation
Lecturers: Ajay J. Kirtane

1:10 PM  Roundtable Discussion With Audience QA

1:15 PM  TCT 30: Renal Denervation Improves Cardiac Function in a Swine Model of Heart Failure
Lecturers: Traci Goodchild

1:25 PM  Roundtable Discussion With Audience QA

1:30 PM  TCT 31: Comparison of Standard Renal Denervation Procedure versus Novel Distal and BranchVessel Procedure with Brachial Arterial Access
Lecturers: Ivo Petrov

1:40 PM  Roundtable Discussion With Audience QA

1:45 PM  TCT 32: ConfidenHTTM System  Diagnostic Electrical Mapping of Renal Nerves for Optimizing Renal Denervation Procedures
Lecturers: Konstantinos P. Tsioufis

1:55 PM  Roundtable Discussion With Audience QA

ORAL ABSTRACTS: NOVEL STRUCTURAL HEART DISEASE THERAPIES

FRIDAY, SEPTEMBER 21, 2018
1:00 PM - 2:00 PM
Room 27A-B, Upper Level

1:00 PM - 2:00 PM
Novel Structural Heart Disease Therapies
Moderators: Eric Eeckhout, Glenn Van Langenhove
Discussants: Steven L. Almany, Igor F. Palacios, Lars Sondergaard, Brian K. Whisenant

1:00 PM  TCT 17: Tricuspid Valve Regurgitation Reduction Following Concomitant Subvalvular and Annulus Level Treatment  Ex Vivo Study
Lecturers: Michal Jaworek

1:10 PM  Roundtable Discussion With Audience QA

1:15 PM  TCT 18: Novel Concept Of Catheter Based Treatment For Tricuspid Regurgitation Cerclage TR Block: A Preliminary Animal Experiment in a Swine Model
Lecturers: Min-Ku Chon

1:25 PM  Roundtable Discussion With Audience QA

1:30 PM  TCT 19: Predicting TMVR Related LVOT Obstruction:Concept of Fluid Mechanics Modeling
Lecturers: Keshav Kohli

1:40 PM  Roundtable Discussion With Audience QA

1:45 PM  TCT 20: Left Ventricular Fluid Dynamics Simulation for Transcatheter Mitral Valve Replacement
Lecturers: James Otton

1:55 PM  Roundtable Discussion With Audience QA

ORAL ABSTRACTS: TAVR PIVOTAL TRIALS

FRIDAY, SEPTEMBER 21, 2018
1:00 PM - 2:00 PM
Room 26A-B, Upper Level

1:00 PM - 2:00 PM
TAVR Pivotal Trials
Moderators: Charles J. Davidson
Discussants: Daniel J. Blackman, Susheel K. Kodali, Eliano Pio Navarese, Jeffrey J. Popma, Michael J. Reardon, Alan Zajarias

1:00 PM  TCT 13: 5 Year Outcomes From the Randomized Corevalve USPivotal High Risk Trial: Final Results
Lecturers: Thomas Gleason

1:10 PM  Roundtable Discussion With Audience QA
1:15 PM  TCT 14: Final 5 Year Outcomes Of The REPRISE II Study: Long Term Outcomes With the Fully Repositionable and Retrievable Lotus Transcatheter Aortic Valve
Lecturers: Nicolas Dumontiel

1:25 PM  Roundtable Discussion With Audience QA

1:30 PM  TCT 15: Two Year Outcomes After Transcatheter Aortic Valve Replacement With Mechanically versus Self Expandable Valves: Results From The REPRISE III Randomized Trial
Lecturers: Michael J. Reardon

1:40 PM  Roundtable Discussion With Audience QA

1:45 PM  TCT 16: Incidence Outcomes And Microbiologic Profile Of Prosthetic Valve Endocarditis After TAVR And SAVR: Insights From PARTNER
Lecturers: Matthew Summers

1:55 PM  Roundtable Discussion With Audience QA

---

**ORAL ABSTRACTS: BIORESORBABLE VASCULAR SCAFFOLDS**

**FRIDAY, SEPTEMBER 21, 2018**
2:00 PM - 3:00 PM
Room 33B-C, Upper Level

---

2:00 PM  TCT 62: Five Year Clinical Outcomes With Everolimus Eluting Bioresorbable Scaffolds: Results From the Randomized ABSORB II Trial
Lecturers: Patrick W. Serruys

2:10 PM  Roundtable Discussion With Audience QA

2:15 PM  TCT 61: Clinical Outcomes Following Complete Bioresorption of the Absorb Everolimus Eluting Bioresorbable Scaffold: Four year Results from the ABSORB III Trial
Lecturers: Dean J. Kereiakes

2:25 PM  Roundtable Discussion With Audience QA

2:30 PM  TCT 63: Safety and Clinical Performance of the Drug Eluting Absorbable Metal Scaffold in the Treatment of Subjects with de Novo Lesions in Native Coronary Arteries: 24 month follow up - BIOSOLVE II and BIOSOLVE III
Lecturers: Michael Haude

2:40 PM  Roundtable Discussion With Audience QA

2:45 PM  TCT 64: Two Year Clinical and Imaging Outcomes of Thin Strut Sirolimus Eluting Bioresorbable Vascular Scaffolds in De Novo Coronary Artery Lesions: The MeRes 1 Trial
Lecturers: Ricardo A. Costa

2:55 PM  Roundtable Discussion With Audience QA

---

**ORAL ABSTRACTS: CORONARY ARTERY SURGERY**

**FRIDAY, SEPTEMBER 21, 2018**
2:00 PM - 3:00 PM
Room 28D-E, Upper Level

---

2:00 PM  TCT 105: Non Perioperadural Myocardial Infarction After CABG in Patients With Left Main Disease: Analysis From the EXCEL Trial
Lecturers: Bjorn Redfors

2:10 PM  Roundtable Discussion With Audience QA

2:15 PM  TCT 107: Patient Centered Decision Making of Revascularization Strategy for Left Main or Multi Vessel Coronary Artery Disease in Real World Practice
Lecturers: Choongki Kim

2:25 PM  Roundtable Discussion With Audience QA

2:30 PM  TCT 108: Long term Survival After Hybrid Coronary Revascularization for Triple Vessel Disease: How Does It Compare to Coronary Artery Bypass Surgery or Multi Vessel Percutaneous Intervention
Lecturers: Craig Basman
2:40 PM  Roundtable Discussion With Audience QA

2:45 PM  TCT 106: Are Outcomes Following CABG for Left Main Disease Improving Over the Last Decade A Propensity Matched Analysis From the EXCEL and SYNTAX Randomized Trials
Lecturers: Patrick W. Serruys

2:55 PM  Roundtable Discussion With Audience QA

ORAL ABSTRACTS: CT-FFR, QFR, AND OCT-FFR

FRIDAY, SEPTEMBER 21, 2018
2:00 PM - 3:00 PM
Room 238-C, Upper Level

2:00 PM  CT-FFR, QFR, and OCT-FFR
CT-FFR, QFR, and OCT-FFR
Moderators: Javier Escaned, Tim P. van de Hoef
Discussants: Yaron Almagor, Niels R. Holm, Sreenivas Arramraju Kumar, Carmelo Panetta, Neal G. Uren, Bo Xu

2:00 PM  TCT 37: Diagnostic Performance of On Site CT Derived FFR Comparison With Fusion Myocardial Perfusion and Invasive FFR
Lecturers: Ryota Fukuoka

2:10 PM  Roundtable Discussion With Audience QA

2:15 PM  TCT 38: Impact of FFRCT on Decision Making and Outcomes in Stable Coronary Artery Disease in North America: Results of the International ADVANCE Registry
Lecturers: Koen Nieman

2:25 PM  Roundtable Discussion With Audience QA

2:30 PM  TCT 39: Functional Assessment of In stent Restenosis With Quantitative Flow Ratio QFR A Comparison With De Novo Coronary Stenoses
Lecturers: Catherine Liontou

2:40 PM  Roundtable Discussion With Audience QA

2:45 PM  TCT 40: Diagnostic Accuracy of Intracoronary Optical Coherence Tomography based Quantitative Flow Ratio for Assessment of Coronary Stenosis
Lecturers: Shengxian Tu

2:55 PM  Roundtable Discussion With Audience QA

ORAL ABSTRACTS: MITRALCLIP STUDIES

FRIDAY, SEPTEMBER 21, 2018
2:00 PM - 3:00 PM
Room 27A-B, Upper Level

2:00 PM  MITRALCLIP STUDIES
MitralClip Studies
Moderators: Eric A. Cohen, Brij Maini
Discussants: Bruce Bowers, John D. Carroll, Florian Georg Deuschl, Omar K. Khalique, Neil J. Weissman

2:00 PM  TCT 45: Quality of Life Outcomes after Transcatheter Mitral Valve Repair in an Unselected Population A Report from the STSACC TVT RegistryTM
Lecturers: Suzanne V. Arnold

2:10 PM  Roundtable Discussion With Audience QA

2:15 PM  TCT 46: Mitral Valve Gradient Heart Failure Admissions and One Year Mortality Following MitraClip Repairin 5378 Patients: Results from the ACCSTS TVT Registry
Lecturers: Lowie Van Assche

2:25 PM  Roundtable Discussion With Audience QA

2:30 PM  TCT 47: Longitudinal Adaption Of High Risk Patients Surviving Five Years After Successful MitraClip Implantation
Lecturers: Eike Tigges

2:40 PM  Roundtable Discussion With Audience QA

2:45 PM  TCT 48: Predictors of Procedural and Clinical Outcomes in Patients with Symptomatic Tricuspid Regurgitation Undergoing Transcatheter Edge to Edge Repair
Lecturers: Philipp Lurz

ORAL ABSTRACTS: NEW TAVR DEVICES
FRIDAY, SEPTEMBER 21, 2018
2:00 PM - 3:00 PM
Room 26A-B, Upper Level

2:00 PM - 3:00 PM
New TAVR Devices
Moderators: Martin B. Leon
Discussants: Haim Danenberg, David Hildick-Smith, Samir R. Kapadia, Bernard Prendergast, Gerhard C. Schuler

2:00 PM  TCT 41: Acute and Six month Outcomes of a Novel Self Expanding Transcatheter Heart Valve
Lecturers: Ulrich Schäfer

2:10 PM  Roundtable Discussion With Audience QA

2:15 PM  TCT 42: An Early Feasibility Study to Assess Safety and Effectiveness of the Transfemoral JenaValve Pericardial TAVR System in the Treatment of Patients With Symptomatic Severe Aortic Stenosis AS
Lecturers: Hendrik Treede

2:25 PM  Roundtable Discussion With Audience QA

2:30 PM  TCT 43: First In Human Experience of a Novel Transradial Device for Embolic Deflection During Transcatheter Aortic Valve Replacement
Lecturers: Darren Mylotte

2:40 PM  Roundtable Discussion With Audience QA

2:45 PM  TCT 44: Comparative Effectiveness and Safety of Five Leading New Generation TAVI Devices: 12 Month Results from The RISPEVA Study
Lecturers: Giuseppe Biondi-Zoccai

2:55 PM  Roundtable Discussion With Audience QA

ORAL ABSTRACTS: PULMONARY ARTERY INTERVENTION

FRIDAY, SEPTEMBER 21, 2018
2:00 PM - 3:00 PM
Room 32A-B, Upper Level

2:00 PM - 3:00 PM
Pulmonary Artery Intervention
Moderators: Shao-Liang Chen, Irene M. Long
Discussants: Andrew J. Klein, Peter P. Monte Leone, Alex M. K. Rothman, Amit Segev, Akhilesh K. Sista, Mitchell Weinberg

2:00 PM  TCT 57: Hemodynamic and Functional Improvement Following Balloon Pulmonary Angioplasty for Chronic Thromboembolic Pulmonary Hypertension: Initial Experience at a High Volume Pulmonary Thromboendarterectomy Center
Lecturers: Ehtisham Mahmud

2:10 PM  Roundtable Discussion With Audience QA

2:15 PM  TCT 58: Cryoablation method for Pulmonary Artery Sympathetic Denervation in Patients with Chronic Heart Failure and Pulmonary Hypertension
Lecturers: Boris Rudenko

2:25 PM  Roundtable Discussion With Audience QA

2:30 PM  TCT 59: Outcomes of Catheter Directed Thrombolysis versus Standard Medical Therapy in Patients Admitted to Intensive Care Units with Submassive Pulmonary Embolism
Lecturers: Stephen D'Avila

2:40 PM  Roundtable Discussion With Audience QA

2:45 PM  TCT 60: Stent Treatment of Branch Pulmonary Artery Stenosis in Children With Congenital Heart Disease After Cardiac Surgery
Lecturers: Saule Kadirova

2:55 PM  Roundtable Discussion With Audience QA

ORAL ABSTRACTS: VULNERABLE PLAQUES AND VULNERABLE PATIENTS

FRIDAY, SEPTEMBER 21, 2018
2:00 PM - 3:00 PM
Room 31B-C, Upper Level

2:00 PM - 3:00 PM
**Vulnerable Plaques and Vulnerable Patients**  
Moderators: John A. Ambrose, Farouc A Jaffer  
Discussants: Patrick A. Calvert, Kalpa De Silva, Uzoma Ibebuogu, John A. McPherson, Nick E. J. West

2:00 PM  
**TCT 53:** Role of Single OCT Morphological Variable in the CLIMA Trial Relationship between Coronary plaque morphology of the left anterior descending artery and long term clinical outcome  
Lecturers: Enrico Romagnoli

2:10 PM  
**Roundtable Discussion With Audience QA**

2:15 PM  
**TCT 54:** The Distribution of High Risk Plaques with Respect to Artery Stenosis in Non Culprit Non Ischemic Native Coronary Lesions of Diabetic Patients data from COMBINE OCT FFR study  
Lecturers: Tomasz Roleder

2:25 PM  
**Roundtable Discussion With Audience QA**

2:30 PM  
**TCT 55:** Clinical Predictors of Obstructive Coronary Artery Disease in Individuals with Suspected Coronary Artery Disease  
Lecturers: Subhi Al'Aref

2:40 PM  
**Roundtable Discussion With Audience QA**

2:45 PM  
**TCT 56:** High Resolution Intravascular OCT NIRF Molecular Imaging for In Vivo Assessment of Inflammation in Atherosclerosis and Vascular Injury  
Lecturers: Zhonglie Piao

2:55 PM  
**Roundtable Discussion With Audience QA**

---

**ORAL ABSTRACTS: CARDIOGENIC SHOCK AND HEMODYNAMIC SUPPORT**

**FRIDAY, SEPTEMBER 21, 2018**

3:00 PM - 4:00 PM  
Room 31B-C, Upper Level

3:00 PM - 4:00 PM  
**Cardiogenic Shock and Hemodynamic Support**  
Moderators: J. Dawn Abbott, Simon Redwood  
Discussants: Biswajit Kar, Maurizio Menichelli, Vincent J. Pompili, Fayaz Shawl, Pascal Vranckx

3:00 PM  
**TCT 81:** The Comparative Effectiveness and Safety of Impella Versus Intra Aortic Balloon Pump in Patients who Underwent Percutaneous Coronary Intervention: Insights from the Blue Cross Blue Shield of Michigan Cardiovascular Consortium BMC2  
Lecturers: Devraj Sukul

3:10 PM  
**Roundtable Discussion With Audience QA**

3:15 PM  
**TCT 82:** Race based Disparities in the Management and Outcomes of Cardiogenic Shock Complicating Acute Myocardial Infarction: A 15 Year National Study  
Lecturers: Saraschandra Vallabhajosyula

3:25 PM  
**Roundtable Discussion With Audience QA**

3:30 PM  
**TCT 83:** Lactate and Cardiac Power Output Measurements at 12 24 Hours Reliably Predict Outcomes in Cardiogenic Shock: Insights from the National Cardiogenic Shock Initiative  
Lecturers: Mir Basir

3:40 PM  
**Roundtable Discussion With Audience QA**

3:45 PM  
**TCT 84:** Percutaneous Extracorporeal Membrane Oxygenation ECMO Utilization in Real World All Comers Population with Refractory Cardiac Arrest  
Lecturers: Sachin Kumar

---

**ORAL ABSTRACTS: CEREBRAL VASCULAR EVENTS IN TAVR PATIENTS**

**FRIDAY, SEPTEMBER 21, 2018**

3:00 PM - 4:00 PM  
Room 26A-B, Upper Level

3:00 PM - 4:00 PM  
**Cerebral Vascular Events in TAVR Patients**  
Moderators: Alex Chebl, Alexandra J. Lansky  
Discussants: Scott E. Kasner, Jan Kovac, Axel Linke, Reginald I. Low, Michael J. Rinaldi, Jochen Wöhrle

3:00 PM  
**TCT 69:** Transcatheter Aortic Heart Valves: Histological Analysis Providing Insight to Leaflet Thickening and Structural Valve Degeneration  
Lecturers: Stephanie Sellars

3:10 PM  
**Roundtable Discussion With Audience QA**
3:15 PM  TCT 70: Incidence Trends and Risk Factors for Early Stroke after Transcatheter Aortic Valve Replacement in the First 5 years of US Clinical Practice: Report of the STSACC TVT Registry
  Lecturers: Chetan Huded

3:25 PM  Roundtable Discussion With Audience QA

3:30 PM  TCT 71: Predictors Incidence and Outcomes of Patients Undergoing Transcatheter Aortic Valve Implantation Complicated by Stroke From the CENTER Collaboration
  Lecturers: Wienieke Vlastra

3:40 PM  Roundtable Discussion With Audience QA

3:45 PM  TCT 72: A Prospective Evaluation for Hypoattenuated Leaflet Thickening Following Transcatheter Aortic Valve Replacement
  Lecturers: Liang Tang

3:55 PM  Roundtable Discussion With Audience QA

---

**ORAL ABSTRACTS: CTO INTERVENTION**

**FRIDAY, SEPTEMBER 21, 2018**

3:00 PM - 4:00 PM
Room 28D-E, Upper Level

3:00 PM  CTO Intervention

  Moderators: Dimitri Karmpaliotis
  Discussants: Kevin J. Croce, David F. Kong, William L. Lombardi, Elmir Omerovic, Dmitri Stolyarov

  3:00 PM  TCT 77: Procedural Success and Outcomes With Increasing Use of Enabling Strategies for Chronic Total Occlusion Intervention: An Analysis of 28050 Cases From the British Cardiovascular Intervention Society Database
    Lecturers: Tim Kinnaird

  3:10 PM  Roundtable Discussion With Audience QA

  3:15 PM  TCT 78: Impact of Collateral Channel Type on the Outcomes of Chronic Total Occlusion Percutaneous Coronary Intervention
    Lecturers: Judit Karacsonyi

  3:25 PM  Roundtable Discussion With Audience QA

  3:30 PM  TCT 79: Quality of Life in Patients With Refractory Angina After Chronic Total Occlusion Angioplasty
    Lecturers: Taishi Hirai

  3:40 PM  Roundtable Discussion With Audience QA

  3:45 PM  TCT 80: Natural Change of the Distal Bed Following Percutaneous Coronary Intervention With Drug Eluting Stents for Chronic Total Occlusion Lesions
    Lecturers: Osung Kwon

  3:55 PM  Roundtable Discussion With Audience QA

---

**ORAL ABSTRACTS: INTERVENTIONAL TREATMENT OF DISEASES OF THE AORTA**

**FRIDAY, SEPTEMBER 21, 2018**

3:00 PM - 4:00 PM
Room 32A-B, Upper Level

3:00 PM  Interventional Treatment of Diseases of the Aorta

  Moderators: Jacques Busquet, Christoph A. Nienaber
  Discussants: Costantino Del Giudice, Philip Green, Kendra J. Grubb, Zaza Kavteladze, Hugo F. Londero, Virendra I Patel, Kazuo Shimamura

  3:00 PM  TCT 85: Endovascular Repair of Penetrating Atherosclerotic Ulcers With the Cardiatis Multilayer Flow Modulator Implant as an Alternative to Covered Endografts to Preserve Branch Vessel Patency
    Lecturers: Daniela Tirziu

  3:10 PM  Roundtable Discussion With Audience QA

  3:15 PM  TCT 86: 3 years Follow Up of Successful Endovascular Interventions in Takayasu Arteritis involving Aorta and Aortic Arch Vessels
    Lecturers: Ajaya Paudel

  3:25 PM  Roundtable Discussion With Audience QA

  3:30 PM  TCT 87: Thirty Day Readmission Rate Etiologies after Endovascular Repair of Abdominal Aortic Aneurysm: A Nationwide Analysis
    Lecturers: Varunsiri Atti
3:40 PM  Roundtable Discussion With Audience QA

3:45 PM  TCT 88: Optimal Cerebral Protection in Cardiac and Aortic Interventions: Vascular Filters vs Balloon Occlusion
Lecturers: Michael Zhadkevich

3:55 PM  Roundtable Discussion With Audience QA

ORAL ABSTRACTS: INTRAVASCULAR IMAGING

FRIDAY, SEPTEMBER 21, 2018
3:00 PM - 4:00 PM
Room 238-C, Upper Level

3:00 PM  TCT 68: Clinical Impact Of Post Stent Optical Coherence Tomography Findings: Two Year Follow Up From A Single Center Registry
Lecturers: Akiko Maehara

3:10 PM  Roundtable Discussion With Audience QA

3:15 PM  TCT 65: High Definition Micro Optical Coherence Tomography for Endothelial Cell Visualization in the Coronary Arteries
Lecturers: Kensuke Nishimiya

3:25 PM  Roundtable Discussion With Audience QA

3:30 PM  TCT 66: The Effects of Stent Post Dilatation During Primary Percutaneous Coronary Intervention PPCI for ST elevation Myocardial Infarction STEMI: Insights from Optical Coherence Tomography OCT and Coronary Physiology
Lecturers: Grigoris Karamasis

3:40 PM  Roundtable Discussion With Audience QA

3:45 PM  TCT 67: Post Stent OCT vs IVUS Predictors of 2 Year Outcomes
Lecturers: Xiao Wang

3:55 PM  Roundtable Discussion With Audience QA

ORAL ABSTRACTS: STENT VS STENT STUDIES

FRIDAY, SEPTEMBER 21, 2018
3:00 PM - 4:00 PM
Room 338-C, Upper Level

3:00 PM  TCT 197: Early Vascular Healing After Implantation of a Biolimus Coated BioFreedom Stent or a Sirolimus Eluting Orsiro Stent in Patients with ST segment Elevation Myocardial Infarction
Lecturers: Kirstine Hansen

3:10 PM  Roundtable Discussion With Audience QA

3:15 PM  TCT 90: Clinical Outcomes Three Year After Revascularization With a Biodegradable Polymer Ultra thin Strut Sirolimus Eluting Stent and a Biodegradable Polymer Biolimus eluting Stent From the SORT OUT VII Trial
Lecturers: Julia Ellert

3:25 PM  Roundtable Discussion With Audience QA

3:30 PM  TCT 91: Ultrathin Bioresorbable Polymer Sirolimus Eluting Stents versus Thin Durable Polymer Everolimus Eluting Stents in Patients Undergoing Coronary Revascularization BIOFLOW V: Acute Coronary Syndrome Subgroup Analysis
Lecturers: Ariel Roguin

3:40 PM  Roundtable Discussion With Audience QA

3:45 PM  TCT 92: Randomized Comparison of Ridaforolimus and Zotarolimus Eluting Coronary Stents: 2 Year Clinical Outcomes of the Pooled BIONICS and NIREUS Trials
Lecturers: David E. Kandzari

3:55 PM  Roundtable Discussion With Audience QA
ORAL ABSTRACTS: TRICUSPID VALVE INTERVENTION

FRIDAY, SEPTEMBER 21, 2018
3:00 PM - 4:00 PM
Room 27A-B, Upper Level

3:00 PM - 4:00 PM
Tricuspid Valve Intervention
Moderators: Rebecca T. Hahn, Jose Luis Navia
Discussants: Christopher U. Meduri, Fabien Praz, Maurizio Taramasso, Yan Topilsky, Bernard Vasquez

3:00 PM   TCT 73: Treatment of Severe TRicuspid Regurgitation in Patients with Advanced Heart Failure with CASaVeN VALve TRICAVAL: a controlled prospective randomized trial
Lecturers: Henryk Dreger
3:10 PM   Roundtable Discussion With Audience QA
3:15 PM   TCT 74: SCOUT Study: Trialign results at 30 days from combined US and EU cohort for the treatment of functional TR
Lecturers: Christopher U. Meduri
3:25 PM   Roundtable Discussion With Audience QA
3:30 PM   TCT 75: Physiological and Clinical Consequences of Relief of Right Ventricular Volume Overload After Transcathether Repair of the Tricuspid Valve Insights from Cardiac Magnetic Resonance
Lecturers: Philipp Lurz
3:40 PM   Roundtable Discussion With Audience QA
3:45 PM   TCT 76: Long Term Outcomes Following Transcatheter Tricuspid Valve Repair With the FORMA System
Lecturers: Luis Asmarats
3:55 PM   Roundtable Discussion With Audience QA

ORAL ABSTRACTS: COMPLEX TAVR PROCEDURES

FRIDAY, SEPTEMBER 21, 2018
4:00 PM - 5:00 PM
Room 26A-B, Upper Level

4:00 PM - 5:00 PM
Complex TAVR Procedures
Moderators: Alain G. Cribier, Helene Eltchaninoff
Discussants: Andreas Baumbach, Adam B. Greenbaum, Mariann Gyöngyösi, Raj Makkar, Molly Szerlip, Wilson Y. Szeto

4:00 PM   TCT 97: Preserving Coronary Access After Valve in TAVI: A Glimpse Into the Future
Lecturers: Nicola Buzzatti
4:10 PM   Roundtable Discussion With Audience QA
4:15 PM   TCT 98: Early Clinical Impact of Cerebral Embolic Protection With Transcatheter Aortic Valve Replacement a Multicenter Study in the Netherlands
Lecturers: Herbert Kroon
4:25 PM   Roundtable Discussion With Audience QA
4:30 PM   TCT 99: Does Valve in Valve TAVR Carry a Higher Risk for Diffusion Weighted MRI Brain Lesions Compared to Native Valve TAVI
Lecturers: Christina Brinkmann
4:40 PM   Roundtable Discussion With Audience QA
4:45 PM   TCT 100: Emergency TAVR for Cardiogenic ShockRight Heart Function and Early Mechanical Circulatory Support Improve Outcomes
Lecturers: Hans Huang
4:55 PM   Roundtable Discussion With Audience QA

ORAL ABSTRACTS: DES CLINICAL OUTOMES

FRIDAY, SEPTEMBER 21, 2018
4:00 PM - 5:00 PM
Room 33B-C, Upper Level
4:00 PM - 5:00 PM

**DES Clinical Outomes**
Moderators: Michael A. Kutcher, Tullio Palmerini
Discussants: Sripal Bangalore, Adriano Caixeta, Salvatore Cassese, Stefan K. James, Sohail Q. Khan

4:00 PM  TCT 117: The Burden of Restenosis after Coronary Stent Implantation in the United States: Temporal Trends Clinical Presentation Treatment Strategies and In Hospital Outcomes  
Lecturers: Issam D. Moussa

4:10 PM  Roundtable Discussion With Audience QA

4:15 PM  TCT 118: The Impact of Bifurcation Stenting Techniques on the Clinical Events: the Stratified Analysis of 2510 Bifurcated Lesions According to MADS Classification in the Global LEADERS Trial  
Lecturers: Norihiro Kogame

4:25 PM  Roundtable Discussion With Audience QA

4:30 PM  TCT 119: Impact of Clinical Syndrome on Outcomes After PCI: Analysis From a Large Pooled Randomized Trial Dataset  
Lecturers: Masaru Ishida

4:40 PM  Roundtable Discussion With Audience QA

4:45 PM  TCT 120: Long term Outcomes in Women and Men Following Percutaneous Coronary Intervention: An Individual Patient Data Pooled Analysis from 21 Randomized Trials  
Lecturers: Ioanna Kosmidou

4:55 PM  Roundtable Discussion With Audience QA

---

**ORAL ABSTRACTS: LEFT ATRIAL APPENDAGE EXCLUSION**

**FRIDAY, SEPTEMBER 21, 2018**
4:00 PM - 5:00 PM  
Room 27A-B, Upper Level

---

4:00 PM - 5:00 PM

**Left Atrial Appendage Exclusion**
Moderators: Shephal Doshi, Fabian Nietlispach
Discussants: Sameer Gafoor, David R. Holmes Jr., DJ Lakkireddy, James E. Muller, Tracy Y. Wang, Steven J. Yakubov

4:00 PM  TCT 101: Comparison of Transesophageal Echocardiography And Cardiac CT for Detection of Device Related Thrombosis Following Left Atrial Appendage Occlusion  
Lecturers: Kasper Korsholm

4:10 PM  Roundtable Discussion With Audience QA

4:15 PM  TCT 102: Incidence Predictors and Outcomes of Device Related Thrombus After Left Atrial Appendage Closure With The WATCHMAN Device Insights From the EWOLUTION Real World Registry  
Lecturers: Alexander Sedaghat

4:25 PM  Roundtable Discussion With Audience QA

4:30 PM  TCT 103: Ultraseal Left Atrial Appendage Occluder: Initial Multicenter Experience  
Lecturers: Lluis Asmarats

4:40 PM  Roundtable Discussion With Audience QA

4:45 PM  TCT 104: Comparative Data on the Use of Intracardiac and Transesophageal Echocardiography for Left Atrial Appendage Occlusion in the Amulet Observational Study  
Lecturers: Jens Erik Nielsen-Kudsk

4:55 PM  Roundtable Discussion With Audience QA

---

**ORAL ABSTRACTS: LOWER EXTREMITY INTERVENTION**

**FRIDAY, SEPTEMBER 21, 2018**
4:00 PM - 5:00 PM  
Room 32A-B, Upper Level

---

4:00 PM - 5:00 PM

**Lower Extremity Intervention**
Moderators: Tony Das
Discussants: Hans Erik Botker, Lawrence A. Garcia, Kei Ichihashi, Constantino S. Pena, Christopher J. White, Nattawut Wongpraparut

4:00 PM  TCT 113: Effectiveness of Atherectomy vs Balloon Angioplasty for Limb Salvage in Occlusive Tibioperoneal Arterial Disease  
Lecturers: Payal Sharma

4:10 PM  Roundtable Discussion With Audience QA

4:15 PM  TCT 114: Comparing Effectiveness of Different Atherectomy Device Systems in Occlusive Lower Extremity Peripheral Artery Disease: Analysis of a Large National Database  
Lecturers: Tonga Nfor

4:25 PM  Roundtable Discussion With Audience QA

4:30 PM  TCT 115: Long Term Follow up of the PADI Trial: Percutaneous Transluminal Angioplasty Versus Drug Eluting Stents for Infrapopliteal Lesions in Critical Limb Ischemia  
Lecturers: Thijs Wakkie

4:40 PM  Roundtable Discussion With Audience QA

4:45 PM  TCT 116: Spot Stenting versus Full Coverage Stenting After Endovascular Therapy for Femoro popliteal Artery Lesions  
Lecturers: Yusuke Tomoi

4:55 PM  Roundtable Discussion With Audience QA

---

**ORAL ABSTRACTS: NEW INTRACORONARY PHYSIOLOGY TECHNIQUES AND STUDIES**

**FRIDAY, SEPTEMBER 21, 2018**  
4:00 PM - 5:00 PM  
Room 23B-C, Upper Level

4:00 PM - 5:00 PM  
**New Intracoronary Physiology Techniques and Studies**

Moderators: Ziad A. Ali, Justin E. Davies  
Discussants: Joost Daemen, Thomas Engstroem, Juan Luis Gutierrez-Chico, Michal Hawranek, Jan J. Piek

4:00 PM  TCT 93: The Physiological Pattern of Disease Assessed by Pressure Wire Pullback has an Influence on Fractional Flow Reserve Instantaneous Wave Free Ratio Discordance: Insight From Multicenter AJIP Registry  
Lecturers: Takayuki Warisawa

4:10 PM  Roundtable Discussion With Audience QA

4:15 PM  TCT 94: Continuous Infusion of Saline for Assessment of Absolute Hyperemic Flow and Minimal Microvascular Resistance: Validation in Humans Using 15OH2O PET  
Lecturers: Henk Everaars

4:25 PM  Roundtable Discussion With Audience QA

4:30 PM  TCT 95: A Simplified Formula to Calculate Fractional Flow Reserve in Sequential Lesions Circumventing the Measurement of Coronary Wedge Pressure During Balloon Inflation: the APIS S pilot study  
Lecturers: Carlos Cortes

4:40 PM  Roundtable Discussion With Audience QA

4:45 PM  TCT 96: Predicting Angina Limited Exercise Capacity Using Coronary Physiology  
Lecturers: Christopher Cook

4:55 PM  Roundtable Discussion With Audience QA

---

**ORAL ABSTRACTS: PHARMACOTHERAPY IN PATIENTS UNDERGOING PCI**

**FRIDAY, SEPTEMBER 21, 2018**  
4:00 PM - 5:00 PM  
Room 31B-C, Upper Level

4:00 PM - 5:00 PM  
**Pharmacotherapy in Patients Undergoing PCI**

Discussants: George D. Dangas, Germano Di Sciascio, Yaling Han, Michelle O'Donoghue, Georgios J. Vlachojannis

4:00 PM  TCT 109: Intracoronal Administration of Tacrolimus Improves Reperfusion of Microvasculature and Left Ventricular Function in Patients with ST Segment Elevation Myocardial Infarction COAT STEMI Undergoing Primary Percutaneous Coronary Intervention  
Lecturers: Pei-Hsun Sung
4:10 PM  Roundtable Discussion With Audience QA
4:15 PM  TCT 110: Incidence predictors and outcomes of DAPT disruption due to non compliance versus bleeding after PCI: insights from the PARIS Registry
Lecturers: Kamilia Moalem
4:25 PM  Roundtable Discussion With Audience QA
4:30 PM  TCT 111: Efficacy and Safety of Glycoprotein IIbIIa Inhibitors on Top of a Potent P2Y12 Inhibitor in STEMI: A Pre Specified Sub Analysis of the ATLANTIC Trial
Lecturers: Anne Tavenier
4:40 PM  Roundtable Discussion With Audience QA
4:45 PM  TCT 112: Patient Oriented Clinical Outcomes and Net Adverse Cardiovascular Event in the Global Leaders Trial
Lecturers: Patrick W. Serruys
4:55 PM  Roundtable Discussion With Audience QA

ORAL ABSTRACTS: PRIMARY PCI STRATEGIES IN THE AMI PATIENT

FRIDAY, SEPTEMBER 21, 2018
4:00 PM - 5:00 PM
Room 28D-E, Upper Level

4:00 PM - 5:00 PM  Primary PCI Strategies in AMI Patient
Moderators: David A. Cox, Dariusz Dudek
Discussants: Larry S. Dean, Dmitriy N. Feldman, Jorge Gaspar, Timothy D. Henry, Dirk Sibbing, Jean-François Tanguay

4:00 PM  TCT 49: Transformational Pathways for AMI Management in Developing Countries  Rolling 600000 Remote Patient Encounters to D2B Interventions
Lecturers: Sameer Mehta
4:10 PM  Roundtable Discussion With Audience QA
4:15 PM  TCT 50: Fiscal Impact of Avoiding Unnecessary Transfers and Hospitalization in STEMI Interventions Results from Latin America Telemedicine Infarct Network LATIN
Lecturers: Sameer Mehta
4:25 PM  Roundtable Discussion With Audience QA
4:30 PM  TCT 51: Long term Mortality Comparison of Patients With Acute Myocardial Infarction and Cardiogenic Shock Treated With Culprit Only or Multivessel Percutaneous Coronary Intervention
Lecturers: Ruben Vergara
4:40 PM  Roundtable Discussion With Audience QA
4:45 PM  TCT 52: Intravascular Imaging guided Urgent Percutaneous Coronary Intervention for Acute Myocardial Infarction and Long term 3 years Prognosis: A Land Mark Analysis of J MINUET
Lecturers: Hiroyuki Okura
4:55 PM  Roundtable Discussion With Audience QA

CARDIOVASCULAR PROFESSIONALS (CVP) COURSE: 27TH ANNUAL CARDIOVASCULAR NURSE AND TECHNOLOGIST SYMPOSIUM: RCIS REVIEW WITH HANDS-ON-HEARTS

FRIDAY, SEPTEMBER 21, 2018
8:00 AM - 1:00 PM
Room 28A-C, Upper Level

8:00 AM – 9:55 AM  Session I. Deep Dive - Cardiac Catheterization and PCI
Moderators: Jeff Davis, Thomas H. Maloney
Discussants: Mary K. Egan, Marsha Holton, David P. Lee, George W. Vetrovec

8:00 AM  Case Introduction: A Patient with Atypical Chest Pain and Shortness of Breath
Lecturers: George W. Vetrovec
8:10 AM  Assessment of the Patient
Lecturers: Marsha Holton
8:20 AM  Right Heart Catheterization Matched with Interactive Cadaver Heart Dissection
Lecturers: Robert Kutys
8:35 AM  Medications for Diagnostic Cardiac Catheterization
Lecturers: Mary K. Egan
8:45 AM  Left Heart Catheterization with Interactive Cadaver Heart Dissection  
Lecturers: Robert Kutys, George W. Vetrovec

8:50 AM  Coronary Angiography with Interactive Cadaver Heart Dissection  
Lecturers: Robert Kutys, George W. Vetrovec

9:10 AM  Medications for PCI  
Lecturers: Mary K. Egan

9:15 AM  Devices for PCI Wires Balloons Stents FFR Imaging  
Lecturers: David P. Lee

9:30 AM  Stent Selection and Technique  
Lecturers: David P. Lee, George W. Vetrovec

9:45 AM  Roundtable Discussion With Audience QA

9:55 AM - 11:45 AM  
Session II. Deep Dive - The Aortic Valve  
Moderators: Jeff Davis, Thomas H. Maloney  
Discussants: Philippe Genereux, Azeem Latib, Dmitry B. Levin, Paul D. Mahoney, Elizabeth M. Perpetua

9:55 AM  Case Introduction: Symptoms Suggestive of Aortic Stenosis  
Lecturers: Paul D. Mahoney

10:05 AM  Fundamental Knowledge: Aortic Valve Anatomy with Interactive Cadaver Heart Dissection  
Lecturers: Robert Kutys, Dmitry B. Levin

10:15 AM  Hemodynamics of Aortic Stenosis and Valve Calculations  
Lecturers: Jeff Davis

10:35 AM  Interpretation of Hemodynamic CT and Echo Data for TAVR Clinical Decision Making  
Lecturers: Azeem Latib

10:55 AM  Case Demonstration: Transcatheter Aortic Valve Replacement  
Case Presenter: Paul D. Mahoney

11:35 AM  Roundtable Discussion with Audience QA

11:45 AM - 12:30 PM  
Hands-on-Hearts Demonstration  
Lecturers: Jeff Davis, Marsha Holton, Matthew Kutyna, Robert Kutys, Maria E. Romero, Torie Samuda, Renu Virmani

12:30 PM - 1:00 PM  
Afternoon Break and Refreshments, Sponsored by Boston Scientific Corporation

CARDIOVASCULAR PROFESSIONALS (CVP) COURSE: 27TH ANNUAL CARDIOVASCULAR NURSE AND TECHNOLOGIST SYMPOSIUM: AN AFTERNOON IN THE CATH LAB

FRIDAY, SEPTEMBER 21, 2018  
1:00 PM - 5:30 PM  
Room 28A-C, Upper Level

1:00 PM - 1:35 PM  
Session I. Cath Lab Efficiency and Productivity  
Moderators: Marian C. Hawkey  
Discussants: Regina Deible, Mary K. Egan, Julie Logan, Thomas H. Maloney, Martina Kelly Speight

1:00 PM  Welcome and Introduction  
Lecturers: Marian C. Hawkey

1:25 PM  Roundtable Discussion with Audience QA

1:35 PM - 2:20 PM  
Session II: Complex PCI  
Moderators: Thomas H. Maloney  
Discussants: Russell J. D'So, Regina Deible, Elizabeth Willette

1:35 PM  Complex PCI Case Introduction  
Case Presenter: Thomas H. Maloney

1:40 PM  The CHIP Team  
Lecturers: Elizabeth Willette
The CHIP Toolkit Techniques Imaging Equipment Troubleshooting
Lecturers: Russell J. D'Sa

Complex PCI Case Conclusion
Case Presenter: Thomas H. Maloney

Roundtable Discussion with Audience QA

2:20 PM - 3:05 PM
Session III: Left Atrial Appendage Closure with the Watchman Device
Moderators: Martina Kelly Speight
Discussants: Asma Hussaini, David P. Lee, Elizabeth M. Perpetua

2:20 PM Case Introduction: A Patient With Non Valvular Atrial Fibrillation
Case Presenter: Elizabeth M. Perpetua

2:25 PM Anatomical Considerations for Patient Selection
Lecturers: Asma Hussaini

2:35 PM Overview of the Watchman Procedure and Complications
Lecturers: David P. Lee

2:50 PM Case Conclusion
Lecturers: Elizabeth M. Perpetua

2:55 PM Roundtable Discussion with Audience QA

3:05 PM - 3:50 PM
Session IV: Transcatheter Aortic Valve Replacement
Moderators: Sarah Clarke
Discussants: Kim Guibone, Marian C. Hawkey, Sandra Lauck

3:05 PM Case Introduction: Aortic Stenosis
Case Presenter: Sarah Clarke

3:10 PM Current Indications and Guidelines for TAVR
Lecturers: Kim Guibone

3:20 PM Individualizing the Patient Care Pathway
Lecturers: Sandra Lauck

3:35 PM Case Conclusion
Case Presenter: Sarah Clarke

3:40 PM Roundtable Discussion with Audience QA

3:50 PM - 4:35 PM
Session V: Peripheral Intervention
Moderators: Michelle Maier
Discussants: Julie Logan, Sameer Nagpal, Samit Shah

3:50 PM Case Introduction: Critical Limb Ischemia
Case Presenter: Michelle Maier

3:55 PM What Is CLI and How Do We Prevent It
Lecturers: Samit Shah

4:05 PM What are the Treatments for CLI
Lecturers: Sameer Nagpal

4:20 PM Case Conclusion
Case Presenter: Michelle Maier

4:25 PM Roundtable Discussion with Audience QA

4:35 PM - 5:30 PM
Session VI: What Else is Going on in The Cath Lab?
Moderators: Regina Deible
Discussants: Kate Dalton, Allen Jeremias

4:35 PM Update on iFR and FFR
Lecturers: Julie Logan

4:45 PM Update on Current Imaging Modalities: IVUS vs OCT vs NIRS
Lecturers: Allen Jeremias

4:55 PM Update on Vascular Access Selection: Radial vs Femoral
Lecturers: Mary K. Egan
REGIONAL SNAPSHOT MEETINGS: THE BEST OF INTERVENTION FROM EUROPE: FLASH DEBATES

FRIDAY, SEPTEMBER 21, 2018
9:00 AM - 11:00 AM
Room 24A-B, Upper Level

9:00 AM - 10:00 AM
Session I. What is New in Coronary Artery Disease  From Diagnosis to Treatment
Moderators: Jeroen J. Bax, Stephan Windecker
Discussants: Robert A. Byrne, Javier Escaned, Michael Haude, Patrick W. Serruys, Holger Thiele

9:00 AM  CT Angiography Versus Ischemia Testing for Detection of Coronary Artery Disease
Lecturers: Jeroen J. Bax

9:06 AM  Beyond ORBITA: The Role of PCI in Stable Ischemic CAD
Lecturers: Adrian P. Banning

9:12 AM  Novel Hemodynamic Assessment Parameters and Intracoronary Imaging to Optimize PCI Outcomes
Lecturers: Javier Escaned

9:18 AM  The New 2018 ESC/ACLS Guidelines on Myocardial Revascularization: Focus on Multivessel and Left Main Disease
Lecturers: Robert A. Byrne

9:24 AM  What is the Future of Bioresorbable Scaffolds
Lecturers: Michael Haude

9:30 AM  Revascularization in Cardiogenic Shock: New Insights
Lecturers: Holger Thiele

9:36 AM  Atrial Fibrillation and ACS PCI: The End of Triple Therapy
Lecturers: Stephan Windecker

9:42 AM  Does Aspirin Have a Role in the Management of Patients Undergoing PCI
Lecturers: Patrick W. Serruys

9:48 AM  Roundtable Discussion With Audience QA

10:00 AM - 11:00 AM
Session II. What is New in Structural Heart Disease
Moderators: Jeroen J. Bax, Stephan Windecker
Discussants: Jörg Hausleiter, Axel Linke, Felix Mahfoud, Georg Nickenig, Thomas Pilgrim, Lars Søndergaard

10:00 AM  Durability of Transcatheter Heart Valves
Lecturers: Bernard Prendergast

10:06 AM  TAVR: New Indications and Unmet Needs
Lecturers: Thomas Pilgrim

10:12 AM  Stroke Prevention Strategies in TAVR
Lecturers: Axel Linke

10:18 AM  Antithrombotic Therapy in Patients Undergoing TAVR
Lecturers: Ole De Backer

10:24 AM  The Future of Transcatheter Mitral Valve Intervention: Repair or Replace
Lecturers: Georg Nickenig

10:30 AM  How to Select Patients for Tricuspid Valve Repair
Lecturers: Jörg Hausleiter

10:36 AM  Percutaneous PFO Closure: Finally Arrived
Lecturers: Lars Søndergaard

10:42 AM  Renal Denervation: Light on the Horizon
Lecturers: Felix Mahfoud

10:48 AM  Roundtable Discussion With Audience QA

REGIONAL SNAPSHOT MEETING: THE BEST OF INTERVENTION FROM LATIN AMERICA: SELECTED TOPICS IN INTERVENTIONAL CARDIOLOGY
The Best of Intervention from Latin America: Selected Topics in Interventional Cardiology
Moderators: Alexandre Abizaid, Jose L. Leiva-Pons
Discussants: Mario Araya, Roberto Botelho, Anibal A. Damonte, Efrain Gaxiola, Alfaro Marchena, Henrique B. Ribeiro

REGIONAL SNAPSHOT MEETING: THE BEST OF INTERVENTION FROM CHINA

Session I. Innovations From China
Moderators: Runlin Gao, Martin B. Leon
Discussants: Ori Ben-Yehuda, YunDai Chen, Juan F. Granada, Azeem Latib, Jian Liu, Sunil V. Rao

1:00 PM New TAVR Devices: VitaFlow Venus A Plus and Venibri
Lecturers: Junbo Ge

1:08 PM Roundtable Discussion With Audience QA

1:10 PM Update of the NeoVas BRS Clinical Trials
Lecturers: Yaling Han

1:18 PM Roundtable Discussion With Audience QA

1:20 PM Iron Based BRS: Design Features Experimental Studies and FIM Experience
Lecturers: Kefei Dou

1:28 PM Roundtable Discussion With Audience QA

1:30 PM Pulmonary Artery Denervation: Updates of Experimental and Clinical Studies
Lecturers: Shao-Liang Chen

1:38 PM Roundtable Discussion With Audience QA

1:40 PM Intelligent Recognition of Coronary Angiography Based on Deep Learning Technology
Lecturers: Bo Xu

1:48 PM Roundtable Discussion With Audience QA

1:50 PM Quantitative Flow Ratio QFR: A Valuable Tool in the Cath Lab
Lecturers: Shengxian Tu

1:58 PM Roundtable Discussion With Audience QA

2:00 PM - 3:00 PM
Session II. Complex and High-Risk PCI: Case-Based Discussions
Moderators: Ajay J. Kirtane, Yuejin Yang
Discussants: Ziad A. Ali, George D. Dangas, Lei Ge, J. Aaron Grantham, Ning Guo, Gary S. Mintz

2:00 PM Case 1: FFR and IVUS Guidance of Left Main Bifurcation PCI
Case Presenter: Juying Qian

2:06 PM Roundtable Discussion With Audience QA

2:10 PM Case 2: Antegrade Dissection and Re Entry CTO
Case Presenter: Zening Jin

2:16 PM Roundtable Discussion With Audience QA

2:20 PM Case 3: OCT Guided PCI in a Severely Calcified Lesion
Case Presenter: Junjie Zhang

2:26 PM Roundtable Discussion With Audience QA

2:30 PM Case 4: STEMI With Cardiogenic Shock
Case Presenter: Kaixu

2:36 PM Roundtable Discussion With Audience QA

2:40 PM Case 5: Post CABG PCI
Case Presenter: Qi Zhang

2:46 PM  Roundtable Discussion With Audience QA

2:50 PM  Case 6: PCI in a Patient With Severe Left Ventricular Dysfunction
         Case Presenter: Jun Jiang

2:56 PM  Roundtable Discussion With Audience QA

REGIONAL SNAPSHOT MEETING: THE BEST OF INTERVENTION FROM JAPAN: ADVANCED PCI TECHNIQUES AND ENDOVASCULAR INTERVENTION

FRIDAY, SEPTEMBER 21, 2018
3:00 PM - 5:10 PM
Room 2A4-B, Upper Level

3:00 PM - 3:40 PM
Session I. Advanced PCI Techniques
Moderators: Lei Ge, Masahiko Ochiai
Discussants: Adrian P. Banning, Eric Eeckhout, Scott Harding, Nicholas J. Lembo, Ashish Pershad, Sudhir Rathore

3:00 PM  The Latest Strategies for CTO in Japanese Fashion
         Lecturers: Makoto Sekiguchi

3:12 PM  Role of Debulking in the Era of DES
         Lecturers: Hisayuki Okada

3:24 PM  PPAP Proximal Palm Artery Puncture: Should We Shift to It from Radial Artery
         Lecturers: Shingo Kaneko

3:36 PM  Roundtable Discussion with Audience QA

3:40 PM - 4:30 PM
Session II. Coronary Imaging and Physiologic Assessment
Moderators: Takashi Akasaka, Akiko Maehara
Discussants: Nils Johnson, Hitoshi Matsuo, Masato Nakamura, Takafumi Ueno

3:40 PM  OCT Guided PCI In Daily Clinical Practice: Strategy Based on ILUMIEN III
         Lecturers: Ziad A. Ali

3:47 PM  Roundtable Discussion With Audience QA

3:50 PM  OCT Guided Bifurcation PCI
         Lecturers: Takashi Kubo

4:00 PM  Roundtable Discussion With Audience QA

4:05 PM  Aortic Stenosis With Coronary Artery Disease: Angiography Is Enough

4:13 PM  Aortic Stenosis With Coronary Artery Disease: Physiology Is Essential
         Lecturers: Flavio L. Ribichini

4:23 PM  Roundtable Discussion With Audience QA

4:30 PM - 5:10 PM
Session III. Endovascular Intervention
Moderators: Osamu Iida, Shigeru Saito
Discussants: Masahiko Fujihara, Daizo Kawasaki, Masato Nakamura, Yoshimitsu Soga

4:30 PM  IVUS Guided Recanalization for the Infrainguinal Chronic Total Occlusions
         Lecturers: Daizo Kawasaki

4:37 PM  Roundtable Discussion With Audience QA

4:40 PM  Drug Solutions in Peripheral Intervention
         Lecturers: Yoshimitsu Soga

4:47 PM  Roundtable Discussion With Audience QA

4:50 PM  Evolution of SFA Intervention in the Last Decade: The Retrospective Multicenter MK3 Study
         Lecturers: Masahiko Fujihara

4:57 PM  Roundtable Discussion With Audience QA

5:00 PM  Three year Outcomes of Surgical Vs Endovascular Revascularization for Critical Limb Ischemia: The SPINACH Study
         Lecturers: Osamu Iida
ABCS OF INTERVENTIONAL CARDIOLOGY

FRIDAY, SEPTEMBER 21, 2018
8:00 AM - 12:00 PM
Room 28D-E, Upper Level

8:00 AM - 9:15 AM
Session I. Basics of Cardiac Anatomy and Angiography
Moderators: George D. Dangas, John M. Lasala
Discussants: Theodore A. Bass, Ricardo A. Costa, Hemal Gada, Verghese Mathew, Miodrag C. Ostojic, Tanveer Rab

8:00 AM Overview of Cardiac Valvular and Coronary Anatomy
Lecturers: Vijay Kunadian
8:12 AM Roundtable Discussion With Audience QA
8:15 AM Vascular Access Routes Complications and Vascular Rescue
Lecturers: Jose M. Wiley
8:27 AM Roundtable Discussion With Audience QA
8:30 AM Coronary Angiography: Setup Views Artifacts and Pitfalls
Lecturers: Verghese Mathew
8:42 AM Roundtable Discussion With Audience QA
8:45 AM Intravascular Imaging: Core Concepts of IVUS OCT NIRS and More
Lecturers: Gary S. Mintz
8:57 AM Roundtable Discussion With Audience QA
9:00 AM Right and Left Heart Hemodynamic Support Options
Lecturers: John M. Lasala
9:12 AM Roundtable Discussion With Audience QA

9:15 AM - 10:30 AM
Session II. Overview of Cardiovascular Disease and Treatment
Moderators: David A. Cox, Henning Kelbaek
Discussants: Vasim Farooq, Alok V. Finn, Grzegorz L. Kaluza, Elvin Kedhi, Afzalur Rahman, Elias Sanidas

9:15 AM Coronary Artery Disease: Pathology and Pathogenesis
Lecturers: Grzegorz L. Kaluza
9:27 AM Roundtable Discussion With Audience QA
9:30 AM Coronary Physiology: FFR and iFR
Lecturers: Allen Jeremias
9:42 AM Roundtable Discussion With Audience QA
9:45 AM Acute Coronary Syndromes: Treatment of NSTE ACS and STEMI
Lecturers: Michael C. Kim
9:57 AM Roundtable Discussion With Audience QA
10:00 AM Left Main and Bifurcation Interventions
Lecturers: Ehtisham Mahmud
10:12 AM Roundtable Discussion With Audience QA
10:15 AM Interventional Pharmacology Essentials for PCI and ACS
Lecturers: Piera Capranzano
10:27 AM Roundtable Discussion With Audience QA

10:30 AM - 12:00 PM
Session III. Introduction to PCI and Valve Disease Interventions
Moderators: Joseph P. Carrozza Jr, Jose M. Wiley
Discussants: Peter Barlis, Bimmer E. Claessen, Giuseppe De Luca, Robert J. Gil, Hadley Wilson, Clemens von Birgelen

10:30 AM Cath Lab Room Setup and Basic Equipment Guiding Catheters Wires and Balloons
Lecturers: Jasvindar Singh
SPECIAL SESSION: CONSENSUS SUMMIT ON TRANSLATIONAL PATHWAYS FOR CARDIOVASCULAR DEVICES (SPONSORED BY INTERNATIONAL SOCIETY FOR CARDIOVASCULAR TRANSLATIONAL RESEARCH)

FRIDAY, SEPTEMBER 21, 2018
8:00 AM - 5:00 PM
Room 30A-C, Upper Level

8:00 AM - 8:20 AM
Introduction

8:00 AM  Welcome Statement
Lecturers: Spencer B. King III

8:05 AM  ISCTR Mission and Statement of Meeting Purpose
Lecturers: Nabil Dib

8:20 AM - 10:30 AM
Session I: Requirements for CV Devices Approval; Regulatory, Payers, and Practice Guidelines
Moderators: Spencer B. King III, Bram D. Zuckerman

8:20 AM  Regulatory Requirement for Marketing Approval including the Parallel Review NEST and Beyond
Lecturers: Bram D. Zuckerman

8:35 AM  CMS Requirement for Reimbursement for Innovation
Lecturers: Lori Ashby

8:50 AM  Practice Guideline Requirement for New Technology
Lecturers: Alice K. Jacobs

9:05 AM  Pre Clinical and Clinical Trial Design and Endpoints for Device Approval
Lecturers: Chris Mullin, Roseann M White

9:20 AM  Early Feasibility Studies for Device Evaluation
Lecturers: Andrew Farb

9:35 AM  The Patients Voice
Lecturers: Mark Mercola

9:45 AM  Panel Discussion
Discussants: Phil Adamson, Lori Ashby, Robert O. Bonow, Andrew Farb, Alice K. Jacobs, Louis Jacques, Spencer B. King III, Mitchell W. Krucoff, Chris Mullin, David Reuter, Stan Rowe, Chuck Simonton, Roseann M White

10:15 AM  Break

10:30 AM - 12:00 PM
Session II: ISCTR Award Presentation and Keynote Address
Moderators: Robert O. Bonow, Stan Rowe

10:30 AM  Presentation of the Glen and Marilyn Nelson Award for Innovation and Translation in Cardiovascular Medicine to Alain Cribier and Martin Leon presented by Stan Rowe and Robert Bonow
10:40 AM  Video Presentation of the Glen and Marilyn Nelson Award for Innovation and Translation in Cardiovascular Medicine

10:45 AM  The TAVR Development from Concept to First in Man
Lecturers: Alain G. Cribier

11:05 AM  The TAVR Development from First in Man to Phase 3 and Beyond
Lecturers: Martin B. Leon

11:25 AM  Lunch

12:00 PM - 12:50 PM  Session III: Translational Pathway for Transcatheter Aortic Valve Development
Moderators: Jeroen J. Bax, Martin B. Leon

12:00 PM  The Methods for Aortic Valve Development
Lecturers: Stan Rowe

12:15 PM  The Endpoints for Aortic Valve Development
Lecturers: Ori Ben-Yehuda

12:30 PM  Panel Discussion
Discussants: Jeroen J. Bax, Robert O. Bonow, Ian Meredith, Stan Rowe, Susan Strong, Bernard Vasseur, Bram D. Zuckerman

12:50 PM - 1:40 PM  Session IV: The Translational Pathway for Transcatheter Mitral/Tricuspid Valve Development
Moderators: Robert O. Bonow, John C Laschinger

12:50 PM  The Methods for Translational Mitral/Tricuspid Valve Development
Lecturers: Michael J. Mack

1:05 PM  The Endpoints for Translational Mitral/Tricuspid Valve Development
Lecturers: Blase A. Carabello

1:20 PM  Panel Discussion
Discussants: Wade Aubry, Blase A. Carabello, Steven L. Goldberg, Michael J. Mack, David Reuter, Sharon Saeger, Gregg W. Stone, Robert Thatcher, Patrick Verta, Changfu Wu

1:40 PM - 2:45 PM  Session V: The Translational Pathway for Coronary Stent Development
Moderators: Mitchell W. Krucoff, Gregg W. Stone

1:40 PM  The Methods for Coronary Stent Development
Lecturers: Chuck Simonton

1:55 PM  The Methods for Coronary Stent Development
Lecturers: Donald Cutlip

2:10 PM  Panel Discussion
Discussants: Donald Cutlip, John Dominguez, Neal Fearnot, Michael C. John, Spencer B. King III, Ian Meredith, Laura Perkins, Chuck Simonton

2:30 PM  Break

2:45 PM - 3:35 PM  Session VI: The Translational Pathway for Catheter Ablation Development
Moderators: Marco Cannella, Douglas Packer

2:45 PM  The Methods for Catheter Ablation Development
Lecturers: Douglas Packer

3:00 PM  The Endpoints for Catheter Ablation Development
Lecturers: Marco Cannella

3:15 PM  Panel Discussion
Discussants: Wade Aubry, Jun Dong, Larry Haffner, Anthony Hong, Timothy Laske, Amit Shanker

3:35 PM - 4:25 PM  Session VII: The Translational Pathway for Left Ventricular Assist Device Development
Moderators: Ileana L. Pina, Magdi Yacoub

3:35 PM  The Methods for LVAD Development
Lecturers: Francis Pagani

3:50 PM  The Endpoints for LVAD Evaluation
Lecturers: Keith Aaronson

4:05 PM  Panel Discussion
Discussants: Keith Aaronson, Phil Adamson, Neil Argo, Robin Bostic, Kevin Bourque, Michael Minogue, Francis Pagani, Bernard Vasseur, Changfu Wu
Session VIII: Application of the Consensus Document
Moderators: Spencer B. King III, Bram D. Zuckerman

4:25 PM  Panel Discussion
Lecturers: Jeroen Bax
Discussants: Keith Aaronson, Lori Ashby, Jeroen J. Bax, Blase A. Carabello, Andrew Farb, Alice K. Jacobs, Chris Mullin, Douglas Packer, Stan Rowe, Chuck Simonton, Roseann M White

SPECIAL SESSION: TAVR FOUNDATIONS FOR FELLOWS (SPONSORED BY EDWARDS LIFESCIENCES)

FRIDAY, SEPTEMBER 21, 2018
8:00 AM - 6:00 PM
Room 30D-E, Upper Level

8:00 AM  TAVR Foundations for Fellows
Lecturers: M. Andrew Morse, MD, Heidi Myers
Faculty: Rita Birchard, Rebecca T. Hahn, Marian C. Hawkey, Omar K. Khalique, Susheel K. Kodali, Tamim Nazif, Mark J. Russo, Torsten P. Vahl

Welcome and Introduction
Lecturers: Rita Birchard

TAVR Evolution and PARTNER Data Overview
Lecturers: Susheel K. Kodali

Valve Clinic Structure and Patient Screening
Lecturers: Marian C. Hawkey

Break

Echocardiography for TAVR
Lecturers: Rebecca T. Hahn

CT Imaging for TAVR
Lecturers: Torsten P. Vahl

Transfemoral Procedure: Device Overview and Case Review
Lecturers: Tamim Nazif

Break and Box Lunch

Dont Dismiss the Importance of TAVR Economics
Lecturers: Heidi Myers

Case Study Panel: Complex Cases and Complications
Alternative AccessComplex Cases and Challenging Anatomy and Complication Management
Lecturers: Mark J. Russo

Hands on Workshops: Room 31A  CT Workstation Echo Workstation Procedure Simulator and Hands on Device Demonstration
Lecturers: Omar K. Khalique, M. Andrew Morse, MD

Aortic and Mitral Valve in Valve Procedure and Case Review

Panel Discussion: Transitioning to a TAVR Center
Lecturers: Mark J. Russo

TCT ENDOVASCULAR: CONTROVERSIES AND COMPLEX DECISION-MAKING IN VASCULAR DISEASE

FRIDAY, SEPTEMBER 21, 2018
8:00 AM - 5:10 PM
Room 25A-B, Upper Level

Session I: SFA and Popliteal Therapies
Moderators: Gary M. Ansel, Ehrin J. Armstrong
Discussants: George S Chrysant, Brian G. DeRubertis, Eric J. Dippel, Lawrence A. Garcia, Steve Henao, Osamu Iida, Sahil A. Parikh

Case Study: A Long Segment SFA CTO
Case Presenter: Mohammad Mehdi Ansari

How to Optimize Intraluminal Antegrade Crossing for SFA CTOs: Dedicated Wires and Crossing Devices
Lecturers: Steve Henao

When Antegrade Fails: Retrograde Crossing Strategies for SFA CTOs
Lecturers: Arthur C. Lee
8:24 AM Percutaneous Bypass: Update on the DETOUR and DETOUR II Trials
Lecturers: Grzegorz Halena

8:32 AM Re Entry Required: When to Pull Which Device to Get Back Into the True Lumen
Lecturers: Beau Hawkins

8:40 AM A Hybrid Algorithm for Crossing SFA and Popliteal CTOs
Lecturers: Subhash Banerjee

8:48 AM Roundtable Discussion Crossing SFA CTOs

8:57 AM Severe Calcification in the SFA: Definitions and Associations With Outcomes
Lecturers: Jeffrey J. Popma

9:05 AM Roundtable Discussion Treatment Strategies for Long Segment SFA CTOs

9:15 AM How to Treat Long Calcified SFA Lesions
Lecturers: Sahil A. Parikh

9:23 AM Will Adjunctive Atherectomy Improve the Outcomes of Drug Coated Balloons in Complex SFA Lesions
Lecturers: Mehdi H. Shishehbor

9:31 AM Roundtable Discussion Calcified SFA Lesions

9:40 AM Debate: Stents are Still the Best Endovascular Treatment for Long Segment SFA CTOs
Lecturers: Gary M. Ansel

9:45 AM Debate: Drug Coated Balloons Should be the Primary Treatment Strategy for Long Segment SFA CTOs
Lecturers: Carlos J. Mena-Hurtado

9:50 AM Roundtable Discussion Treatment Strategies for Long Segments SFA CTOs

9:59 AM Angiographic Dissections After Balloon Angioplasty and Their Association With Outcomes
Lecturers: Osamu Iida

10:07 AM Is Intravascular Imaging Necessary to Accurately Identify and Quantify Dissections After Balloon Angioplasty
Lecturers: Nicolas W Shammas

10:15 AM New Treatment Approaches for SFA Disease: Tacks Shocks and Adventitial Drug Delivery
Lecturers: Ehrin J. Armstrong

10:23 AM What is the Optimal Endovascular Treatment for SFA In Stent Occlusions
Lecturers: Craig M. Walker

10:31 AM Treatment Strategies to Optimize Endovascular Outcomes of TASC CD Aortoiliac Lesions
Lecturers: Patrice Mwipatayi

10:39 AM Debate: Common Femoral Artery Lesions Can be Treated with Endovascular Techniques
Lecturers: Yann Gouëffic

10:44 AM Debate: Common Femoral Artery Disease Should be Treated Surgically
Lecturers: Niten Singh

10:49 AM Roundtable Discussion Optimal Treatment of Common Femoral Artery Disease

10:58 AM - 12:54 PM Session II. Aortic/Mesenteric Therapies
Moderators: Sahil A. Parikh, Virendra I Patel

10:58 AM Renal Artery Interventions After ASTRAL and CORAL: Who Should We Treat
Lecturers: Kenneth Rosenfield

11:06 AM Optimal Renal Stenting Technique
Lecturers: Sahil A. Parikh

11:14 AM ISR and Complex Anatomy in Renal Stenting
Lecturers: Mark C. Bates

11:22 AM Roundtable Discussion The Uncertain in Renal Artery Intervention

11:27 AM Open Endovascular Management of Acute Mesenteric Ischemia
Lecturers: Robert Lancaster

11:35 AM Patient and Procedure Selection for Chronic Mesenteric Ischemia to Optimize Outcomes
Lecturers: Zubin Irani

11:43 AM Roundtable Discussion Optimal Percutaneous Techniques in Mesenteric Ischemia

11:48 AM Consensus Guidelines for Timing and Treatment of Abdominal Aortic Aneurysms
Lecturers: S. Jay Mathews

11:56 AM Managing Challenging Access to Ensure Successful Aortic Endografting
Lecturers: Craig M. Walker

12:04 AM New Devices and Future Technologies for Management of Infra-renal Aortic Aneurysms
Lecturers: Robert M. Bersin
Open vs Endovascular Aortic Aneurysm Repair: Important Factors in Clinical Decision making
Lecturers: Virendra I Patel

Management of Endoleaks and New Data on Long term Durability of Aortic Endografts
Lecturers: Christopher Abularrage

Case Presentation: Complex Endograft FEVAR
Case Presenter: Matt Eagleton

Case Presentation: Endograft for Aortoiliac Occlusive and Aneurysmal Disease
Case Presenter: Darren B Schneider

Roundtable Discussion Training Requirements for EVAR

After the ATTRACT Trial: Which Patients With Acute Deep Vein Thrombosis Should Receive Endovascular Therapy
Lecturers: Teresa L. Carman

Status of Venous Stents to Treat Venous Obstruction
Lecturers: Mahmood K. Razavi

Existing and Future Therapies for Chronic Deep Vein Thrombosis
Lecturers: Brooke Spencer

Novel Therapies for Superficial Venous Insufficiency: Thermal and Nonthermal Technologies
Lecturers: Raghu Kolluri

Case Presentation: Worst DVT Ever
Case Presenter: Gregory Piazza

Case Presentation: Reconstruction of Complex Venous Occlusion
Case Presenter: John Moriarty

Catheter Based Therapy for Acute Pulmonary Embolism: What Does the Data Tell Us
Lecturers: Akhilesh K. Sista

Emerging Technologies to Treat Acute Pulmonary Embolism
Lecturers: Mahmood K. Razavi

Case Presentation: Endovascular Treatment of a Massive Pulmonary Embolism
Case Presenter: John Moriarty

Indications for IVC Filters in 2018
Lecturers: Ido Weinberg

Case Presentation: Extreme IVC Filter Removal
Case Presenter: John Moriarty

Roundtable Discussion with Audience QA

Session III. Venous Disease Therapies
Moderators: Raghu Kolluri, Mahmood K. Razavi
Discussants: Teresa L. Carman, Sanjiv Lakhanpal, John Moriarty, Gregory Piazza, Brooke Spencer

Carotid Artery Disease Access: Femoral Radial and Direct Carotid Techniques
Lecturers: Christopher J. Kwolek

Carotid Artery Disease Access: When and How Should a Difficult Arch be Navigated
Lecturers: Adnan Siddiqui

Carotid Artery Disease Technical Considerations: Embolic Protection Options and Selection
Lecturers: Srin S. Iyer

Carotid Artery Disease Patient Selection: Impact of Plaque Morphology and Advanced Imaging Options
Lecturers: Javier Romero

Carotid Artery Stenting: Synthesizing the Current Randomized Trial Evidence
Lecturers: Kenneth Rosenfield

Roundtable Discussion Carotid Artery Disease Patient Selection and Technical Considerations

Acute Stroke Treatments: Rapid Review of the Latest Data
Lecturers: Raul Nogueira

Logistics of Stroke Care: Requirements of an Effective Care System

Role of Artificial Intelligence in Patient Selection
Lecturers: Michael Lev

Thrombectomy Techniques: Aspiration vs Stent Retriever
**Lecturers:** Johanna T. Fifi

**3:53 PM**  
**Edges of Patient Selection for Stroke Thrombectomy: Low NIHSS and Large Core**  
**Lecturers:** Raul Nogueira

**4:01 PM**  
**Roundtable Discussion  Future of Stroke Care**

---

**4:10 PM - 5:10 PM**  
**Session V. Best Cases of the Year**

**Moderators:** Robert A. Lookstein, Sahil A. Parikh  
**Discussants:** Danielle Bajakian, Marco Manzi, Aman B. Patel, Virendra I Patel

**4:10 PM**  
**My Best Case Lower Extremity PAD Intervention**  
**Case Presenter:** Danielle Bajakian

**4:20 PM**  
**My Best Case Deep Venous Disease Intervention**  
**Case Presenter:** Robert A. Lookstein

**4:30 PM**  
**My Best Case CLI Intervention**  
**Case Presenter:** Marco Manzi

**4:40 PM**  
**My Best Case Neuro Intervention**  
**Case Presenter:** Aman B. Patel

**4:50 PM**  
**My Best Case Aortic Intervention**  
**Case Presenter:** Virendra I Patel

**5:00 PM**  
**My Best Case Combined Coronary and Peripheral Intervention**  
**Case Presenter:** Sahil A. Parikh

---

### INTERVENTIONAL INNOVATION I

**FRIDAY, SEPTEMBER 21, 2018**  
**8:00 AM - 1:30 PM**  
**Room 29A-B, Upper Level**

---

**8:00 AM - 9:20 AM**  
**Coronary Interventions and Technologies**

**Discussants:** Fernando Alfonso, Giovanni Esposito, Julio C. Palmaz, Francesco Prati, Evelyn S. Regar, Bruno Scheller

**8:00 AM**  
**Featured Lecture: Innovation in Percutaneous Coronary Intervention: Remaining Clinical Needs Challenges and Opportunities**

**9:20 AM - 10:20 AM**  
**Innovations in Peripheral Vascular Interventions**

**Moderators:** George L Adams, William A. Gray  
**Lecturers:** Luis Mariano Palena  
**Discussants:** Tony Das, Krishna J. Rocha-Singh, Kenneth Rosenfield

**9:20 AM**  
**Featured Lecture: Reconciling Clinical Needs and Fiscal Responsibility in Peripheral Vascular Interventions**  
**Lecturers:** George L Adams

**9:27 AM**  
**Peripheral CTO crossing with the SoundBite Active Wire SoundBite**  
**Lecturers:** Eric Therasse

**9:34 AM**  
**First Report of the 12 Month Outcomes of SELUTION Trial: A Novel Sirolimus Coated DCB Technology Evaluated in SFA MedAlliance**  
**Lecturers:** Klaus Brechtle

**9:41 AM**  
**Moderated Discussion with QA**

**9:48 AM**  
**Clinical Outcomes of Sirolimus Eluting Bioresorbable Peripheral Scaffold System in Subjects with Critical Limb IschImei Disease due to De Novo Lesions Meril**  
**Lecturers:** Gireesh Warwadekar

**9:55 AM**  
**Percutaneous Deep Vein aRterialization for the Treatment of Late Stage Critical LiMb ISchEmia The PROMISE Trial: Early Feasibility Interim Results LimFlow**  
**Lecturers:** Jihad Mustapha

**10:09 AM**  
**BlueLeaf: Initial Experience with a Percutaneous Approach to Deep Vein Reflux**  
**Lecturers:** Ramon L Varcoe

**10:12 AM**  
**Moderated Discussion with QA**

---

**10:20 AM - 11:30 AM**  
**Interventional Heart Failure**

**Moderators:** Daniel Burkhoff, Ulrich P. Jorde  
**Discussants:** Navin K. Kapur, John M. Lasala, Liwen Liu, Jeffrey W. Moses, Ileana L. Pina, Boris Rudenko
10:20 AM  Featured Lecture: New Interventional Opportunities for Device Development in the Heart Failure
Lecturers: Ulrich P. Jorde

10:30 AM  Cryoablation Method for Pulmonary Artery Sympathetic Denervation in Patients with Chronic Heart Failure and Pulmonary Hypertension First in Man Study
Lecturers: Boris Rudenko

10:38 AM  New Treatment Option for HOCM  Percutaneous Intramyocardial Radiofrequency Ablation
Lecturers: Liwen Liu

10:46 AM  Cardiac Autonomic Nerves Stimulation Improves Hemodynamics: A Pilot Study in Advanced Heart Failure Patients
Lecturers: Michael Cuchiara

10:54 AM  Moderated Discussion with QA

11:04 AM  Occlusion of the Superior Vena Cava to Reduce Cardiac Filling Pressures is Safe and Feasible in Acutely Decompensated Heart Failure: A First in Man Proof of Concept Study
Lecturers: Novin K. Kapur

11:12 AM  Selective CRP Apheresis as a New Treatment Option in Acute Myocardial Infarction: First Results of the CAMI1 Study
Lecturers: Christoph Garlichs

11:20 AM  Moderated Discussion With QA

11:30 AM - 1:30 PM  
**Featured Session in Digital Health Care**

Moderators: Sanjeev Bhavnani, Issam D. Moussa
Lecturers: Ken Persen
Discussants: Mohua Choudhury, Peter J. Fitzgerald, Seth Martin, Lonny Reisman

11:30 AM  Featured Lecture 1: Digital Health Solutions in Cardiology: The Hope the Hype and the Future
Lecturers: Sanjeev Bhavnani

1:30 PM - 3:30 PM  
**INTERVENTIONAL INNOVATION II**

FRIDAY, SEPTEMBER 21, 2018
1:30 PM - 5:30 PM
Room 29A-B, Upper Level

1:30 PM - 2:50 PM  
**TAVR Innovation and Ancillary Technologies**
Moderators: Axel Linke, John G. Webb
Discussants: Hemal Gada, Isaac George, Adam B. Greenbaum, Neal S. Kleiman, Ran Kornowski, Thomas Modine, Giuseppe Tarantini

Lecturers: Martin B. Leon

2:50 PM - 4:20 PM  
**Trans-Catheter Mitral Valve Intervention**
Moderators: Vinayak Bapat, Juan F. Granada
Discussants: Steven L. Almany, Samir R. Kapadia, Issam D. Moussa, David W.M. Muller, Ulrich Schäfer, Mathew Williams

2:50 PM  Featured Lecture: Trans Catheter Mitral Valve Intervention: Technical and Clinical Lessons Learned from Early Human Clinical Studies
Lecturers: Vinayak Bapat

4:20 PM - 5:30 PM  
**Trans-catheter Tricuspid Valve Intervention**
Moderators: Azeem Latib, Georg Nickenig
Discussants: Charles J. Davidson, Paolo Denti, Rebecca T. Hahn, Christopher U. Meduri, Issam D. Moussa, Maurizio Taramasso

4:20 PM  Featured Lecture: Catheter Based Tricuspid Intervention: Current Technical Challenges and Early Clinical Experiences
Lecturers: Maurizio Taramasso

4:30 PM  Simplifying TTVR with a Novel Cinching System Tricinch
Lecturers: Jan Van der Heyden

4:37 PM  Minimally Invasive Tricuspid Valve Annuloplasty Repair Technology MIATM MicroInterventional Devices: Early Clinical Experience
Lecturers: Mathew Williams

4:44 PM  Transcatheter Tricuspid Valve Repair: Results From The Multicenter Trial 6 Month Outcomes
Lecturers: Georg Nickenig

4:51 PM  Moderated Discussion With QA

5:00 PM  First in human Transcatheter Tricuspid Valve Repair by the Mistral device Mitralix
Lecturers: Haim Danenberg

5:00 PM  
Lecturers: Martin B. Leon

5:00 PM  
**Featured Lecture: Trans Catheter Mitral Valve Intervention: Technical and Clinical Lessons Learned from Early Human Clinical Studies**
Lecturers: Vinayak Bapat

5:00 PM  
**Featured Lecture: Catheter Based Tricuspid Intervention: Current Technical Challenges and Early Clinical Experiences**
Lecturers: Maurizio Taramasso

5:00 PM  
**Simplifying TTVR with a Novel Cinching System Tricinch**
Lecturers: Jan Van der Heyden

5:00 PM  
**Minimally Invasive Tricuspid Valve Annuloplasty Repair Technology MIATM MicroInterventional Devices: Early Clinical Experience**
Lecturers: Mathew Williams

5:00 PM  
**Transcatheter Tricuspid Valve Repair: Results From The Multicenter Trial 6 Month Outcomes**
Lecturers: Georg Nickenig

5:00 PM  
**Moderated Discussion With QA**

5:00 PM  
Lecturers: Martin B. Leon

5:00 PM  
**Featured Lecture: Trans Catheter Mitral Valve Intervention: Technical and Clinical Lessons Learned from Early Human Clinical Studies**
Lecturers: Vinayak Bapat

5:00 PM  
**Featured Lecture: Catheter Based Tricuspid Intervention: Current Technical Challenges and Early Clinical Experiences**
Lecturers: Maurizio Taramasso

5:00 PM  
**Simplifying TTVR with a Novel Cinching System Tricinch**
Lecturers: Jan Van der Heyden

5:00 PM  
**Minimally Invasive Tricuspid Valve Annuloplasty Repair Technology MIATM MicroInterventional Devices: Early Clinical Experience**
Lecturers: Mathew Williams

5:00 PM  
**Transcatheter Tricuspid Valve Repair: Results From The Multicenter Trial 6 Month Outcomes**
Lecturers: Georg Nickenig

5:00 PM  
**Moderated Discussion With QA**

5:00 PM  
**First in human Transcatheter Tricuspid Valve Repair by the Mistral device Mitralix**
Lecturers: Haim Danenberg
Compassionate Use of the PASCAL System for Transcatheter Tricuspid Repair: A Multicenter First in Human Experience Edwards

Lecturers: Ralph Stephan von Bardeleben

Moderated Discussion With QA
BREAKFAST PROGRAM: FUTURE PERSPECTIVES AND TECHNOLOGIES IN BTK INTERVENTION (SPONSORED BY CRF, SUPPORTED BY ABBOTT, BOSTON SCIENTIFIC CORPORATION, AND MEDTRONIC)

SATURDAY, SEPTEMBER 22, 2018
6:30 AM - 8:00 AM
Room 30D-E, Upper Level

6:30 AM - 7:00 AM
Check-In & Breakfast

7:00 AM - 8:00 AM
Future Perspectives and Technologies in BTK Intervention
Co Chairs: Juan F. Granada, Sahil A. Parikh
Lecturers: William A. Gray
Faculty: George L Adams, Ehrin J. Armstrong

7:00 AM Introduction and Session Objectives
Lecturers: Sahil A. Parikh

7:02 AM Case Presentations: Unmet Needs in CLI
Lecturers: George L Adams

7:14 AM Crossing Technologies: Available Tools and Outcomes
Lecturers: Ehrin J. Armstrong

7:24 AM Moderated Discussion

7:26 AM Dedicated Scaffolds and Stents
Lecturers: Sahil A. Parikh

7:36 AM Moderated Discussion

7:38 AM Emergent Drugs and Local Drug Delivery Systems
Lecturers: William A. Gray

7:48 AM Moderated Discussion

7:50 AM Panel Discussion: Unmet Needs in BTK Intervention: Where Are We Now and Where Are We Going

8:00 AM Adjourn

BREAKFAST PROGRAM: INTRA-AORTIC BALLOON COUNTERPULSATION FOR PERCUTANEOUS AORTIC VALVE OR COMPLEX PCI PROCEDURES - AWARD WINNING CASE PRESENTATIONS (ORGANIZED BY CRF, SPONSORED BY GETINGE)

SATURDAY, SEPTEMBER 22, 2018
6:30 AM - 8:00 AM
Room 24A-B, Upper Level

6:30 AM - 8:00 AM
Intra-aortic Balloon Counterpulsation for Percutaneous Aortic Valve or Complex PCI Procedures - Award Winning Case Presentations
Chairs: Tayo A. Addo, George D. Dangas, Jose M. Wiley
Faculty: Lampson Fan, Tomasz Gasior, Stefanos Votsis

6:30 AM Check in Breakfast

7:00 AM Rocks and Balloons
Lecturers: Lampson Fan

7:15 AM QA

7:20 AM How to Fix a Broken Heart - Percutaneous Management of Acute Ischemic Left Ventricular Free Wall Rupture
Lecturers: Tomasz Gasior

7:35 AM QA

7:40 AM Intra aortic Balloon Pump Utilization in a Patient With Cardiogenic Shock Following Cardiac Arrest Due To Partial Left Main Coronary Artery Occlusion Which Was Caused By Valve annulus Remodeling of a Bioprosthetic Aortic Valve 60 Days After TAVR Procedure
Lecturers: Stefanos Votsis
### BREAKFAST PROGRAM: NEW TREATMENT STRATEGIES FOR CARDIOGENIC SHOCK: IMPELLA EXPANDED INDICATIONS (ORGANIZED BY CRF, SPONSORED BY ABIOMED, INC.)

**Saturday, September 22, 2018**  
6:30 AM - 8:00 AM  
Room 238-C, Upper Level  

**6:30 AM - 7:00 AM**  
**Check-In & Breakfast**

**7:00 AM - 8:00 AM**

**New Treatment Strategies for Cardiogenic Shock: Impella Expanded Indications**  
*Chairs: William W. O’Neill*  
*Faculty: Cindy L. Grines, Navin K. Kapur*

- **7:00 AM**  
  Advances in the Treatment of Cardiovascular Disease in Women: PCI MI Shock Myocarditis SCAD and Post partum Cardiomyopathy  
  *Lecturers: Cindy L. Grines*

- **7:15 AM**  
  Discussion

- **7:20 AM**  
  The Impact of The Cardiogenic Shock Initiative NCSI: One Year Later  
  *Lecturers: William W. O’Neill*

- **7:35 AM**  
  Discussion

- **7:40 AM**  
  Understanding the Importance of Ventricular Unloading in Management of AMI and Cardiogenic Shock  
  *Lecturers: Navin K. Kapur*

- **7:55 AM**  
  Discussion

**8:00 AM**  
**Adjourn**

### BREAKFAST PROGRAM: PCI COMPLICATIONS: THE BEST OF THE WORST (SPONSORED BY CRF, SUPPORTED BY MEDTRONIC)

**Saturday, September 22, 2018**  
6:30 AM - 8:00 AM  
Room 28D-E, Upper Level  

**6:30 AM - 7:00 AM**  
**Check-In & Breakfast**

**7:00 AM - 8:00 AM**

**PCI Complications: The Best of the Worst**  
*Co Chairs: Manish A. Parikh, Jasvindar Singh*  
*Faculty: Nirat Beohar, David A. Cox, James B. Hermiller Jr, Dimitri Karmpaliotis*

- **7:00 AM**  
  The Coronary Perforation Nightmare  
  *Lecturers: Dimitri Karmpaliotis*

- **7:10 AM**  
  Discussion

- **7:15 AM**  
  The Coronary that Spiraled Out of Control  
  *Lecturers: James B. Hermiller Jr*

- **7:25 AM**  
  Discussion

- **7:30 AM**  
  The Slam Dunk STEMI No Reflow and Beyond  
  *Lecturers: David A. Cox*

- **7:40 AM**  
  Discussion

- **7:45 AM**  
  My Worst Vascular Complication of the Year  
  *Lecturers: Nirat Beohar*

- **7:55 AM**  
  Discussion
BREAKFAST PROGRAM: RENAL DENERVATION: TRIAL DESIGN REALLY MATTERS (SPONSORED BY CRF, SUPPORTED BY MEDTRONIC)

SATURDAY, SEPTEMBER 22, 2018
6:30 AM - 8:00 AM
Room 26A-B, Upper Level

6:30 AM - 7:00 AM
Check-In & Breakfast

7:00 AM - 8:00 AM
Renal Denervation: Trial Design Really Matters
Chairs: David E. Kandzari
Faculty: Felix Mahfoud, Andrew Sharp, Michael A. Weber

7:00 AM Welcome
Lecturers: David E. Kandzari

7:05 AM The SPYRAL OFF and ON MEDS Program and Next Steps
Lecturers: Andrew Sharp

7:17 AM Renal Denervation in Clinical Practice: Real World Experience and Lessons Learned
Lecturers: Felix Mahfoud

7:29 AM What Additional Evidence I Need or Don’t to Incorporate RDN into Clinical Practice
Lecturers: Michael A. Weber

7:41 AM Discussion

8:00 AM Adjourn

BREAKFAST PROGRAM: SIMPLIFY AND OPTIMIZE YOUR PCI WITH ENHANCED IMAGING AND ADVANCED PHYSIOLOGY (SPONSORED BY ACIST & MEDTRONIC)

SATURDAY, SEPTEMBER 22, 2018
6:30 AM - 8:00 AM
Room 25A-B, Upper Level

6:30 AM - 8:00 AM
Simplify and Optimize Your PCI with Enhanced Imaging and Advanced Physiology
Chairs: Ziad A. Ali
Faculty: Joost Daemen, Morton J. Kern, Arnold Seto

6:30 AM Check in Breakfast

7:00 AM Welcome
Lecturers: Ziad A. Ali

7:05 AM Current Practices and New Approaches for Best Outcomes
Lecturers: Morton J. Kern

7:15 AM Resting Indices for Physiologic Assessment Are they all created equally
Lecturers: Arnold Seto

7:25 AM Using Physiology and Imaging Tools for Post PCI Assessment Are you finished
Lecturers: Joost Daemen

7:40 AM Imaging and Physiology Guided PCI Without Contrast Administration Is this the future
Lecturers: Ziad A. Ali

7:55 AM Wrap up and QA

8:00 AM Adjourn

MAIN ARENA I, SATURDAY, SEPT. 22

SATURDAY, SEPTEMBER 22, 2018
8:00 AM - 1:00 PM
Main Arena, Hall F, Ground Level

8:00 AM - 9:30 AM
**Live Cases #1**
Live Case Moderators: Martin B. Leon
Live Case Co Moderators: Michael J. Mack
Live Case Discussants: Alexandre Abizaid, John K. Forrest, J. Aaron Grantham, David Hildick-Smith, Dimitri Karmpaliotis, Susheel K. Kodali, Amir Lerman, Michael J. Reardon, Carlos E. Uribe, R. Michael Wyman
Factoid Faculty: Christine J. Chung, Amirali Masoumi, Megha Prasad, Sabato Sorrentino, Eisuke Usui

8:00 AM  
**University of Washington Medical Center Regional Heart Center Seattle WA**
Live Case Operators: Ravi S. Hira, William L. Lombardi, James M. McCabe

8:45 AM  
**Mayo Clinic Rochester MN**
Live Case Operators: Mackram F. Eleid, Robert Frantz, Mayra Guerrero, Chet Rihal, Gurpreet S. Sandhu

9:30 AM - 10:00 AM
**Rapid Fire Case Controversies: Coronary**
Moderators: Antonio Colombo, Ajay J. Kirtane
Discussants: Junbo Ge, Michael Haude, Stuart J. Head, Simon Redwood, Gennaro Sardella

9:30 AM  
**Complex Coronary Artery Disease: PCI vs CABG**
Case Presenter: Davide Capodanno

9:40 AM  
**STEMI With Multivessel Disease: How To Proceed**
Case Presenter: Pieter C. Smits

9:50 AM  
**High Risk Elective PCI: Is Hemodynamic Support Necessary**
Case Presenter: David G. Rizik

10:00 AM - 10:15 AM
**TCT 2018 Geoffrey O. Hartzler Master Operator Award**
Moderators: Martin B. Leon, Gregg W. Stone
Award Recipients: John G. Webb

10:00 AM  
**TCT 2018 Geoffrey O. Hartzler Master Operator Award**
Moderators: Martin B. Leon, Gregg W. Stone
Award Recipients: John G. Webb

10:15 AM - 11:15 AM
**Late-Breaking Trials 1, Sponsored by the Lancet**
Moderators: Gregg W. Stone
Co Moderator: Stuart Spencer
Discussants: Gary M. Ansel, Robert A. Byrne, Didier Carrié, Michael R. Jaff, Jens Flenssted Lassen, Tullio Palmerini, Sahil A. Parikh, Thomas Pilgrim, Mahmood K. Razavi, Manel Sabate

10:15 AM  
**IMPERIAL: A Randomized Trial of Drug Eluting Stents for Treatment of Femoropopliteal Artery Lesions**
Lecturers: William A. Gray

10:27 AM  
**Roundtable Discussion**

10:35 AM  
**BIONYX: A Randomized Trial Evaluating an Ultra Thin Strut Bioresorbable Polymer Based Coronary Drug Eluting Stent in an All Comers Patient Population**
Lecturers: Clemens von Birgelen

10:47 AM  
**Roundtable Discussion**

10:55 AM  
**ReCre8: A Randomized Trial Evaluating a Polymer Free Coronary Drug Eluting Stent in an All Comers Patient Population**
Lecturers: Pieter R. Stella

11:07 AM  
**Roundtable Discussion**

11:15 AM - 12:00 PM
**Live Case #2**
Live Case Moderators: Ajay J. Kirtane
Live Case Co Moderators: Irene M. Long
Factoid Faculty: Christine J. Chung, Amirali Masoumi, Megha Prasad, Sabato Sorrentino, Eisuke Usui

11:15 AM  
**University of California San Diego San Diego CA**
Live Case Operators: Ang Lawrence, Ehtisham Mahmud, Mitul Patel, Ryan Reeves
12:00 PM - 1:00 PM
Late-Breaking Trials 2, Co-Sponsored by Circulation
Moderators: Sunil V. Rao
Co Moderator: Rob Gropler, Dharam J. Kumbhani
Discussants: Andreas Baumbach, Donald Cutlip, David E. Kandziora, Marie-Claude Morice, Francesco Prati, Sigmund Silber, Giulio G. Stefanini, Philip M. Urban

12:00 PM LEADERS FREE II: Evaluation of a Polymer Free Coronary Drug Eluting Stent in High Bleeding Risk Patients With One Month Dual Antiplatelet Therapy
Lecturers: Mitchell W. Krucoff
12:12 PM Roundtable Discussion
12:20 PM SORT OUT IX: A Randomized Trial Comparing a Polymer Free Coronary Drug Eluting Stent With an Ultra Thin Strut Biodegradable Polymer Based Drug Eluting Stent in an All Comers Patient Population
Lecturers: Lisette Okkels Jensen
12:32 PM Roundtable Discussion
12:40 PM TALENT: A Randomized Trial Evaluating an Ultra Thin Strut Biodegradable Polymer Based Coronary Drug Eluting Stent in an All Comers Patient Population
Lecturers: Patrick W. Serruys
12:52 PM Roundtable Discussion

LIVE CASE THEATER I, SATURDAY, SEPT. 22
SATURDAY, SEPTEMBER 22, 2018
8:00 AM - 12:00 PM
Ballroom 20, Upper Level

8:00 AM - 10:00 AM
Session I. Live Cases: Robot-CHIP/CHIP
Live Case Moderators: Giora Weisz
Live Case Co Moderators: Jeffrey W. Moses
Live Case Discussants: J. Dawn Abbott, Yaron Almagor, Rafael Beyar, Kenneth Chin, Javier Escaned, Jean Fajadet, Gary Gershony, Aaron V. Kaplan, Akiko Maehara, Richard Shlofmitz
Factoid Faculty: Matthew T Finn, Paul Guedeney, Amirali Masoumi, Masahiko Noguchi, Evan Shlofmitz

8:00 AM University of California San Diego San Diego CA
Live Case Operators: Ang Lawrence, Ehtisham Mahmud, Mitul Patel, Ryan Reeves
9:00 AM Scripps Clinic and Research Foundation La Jolla California
Live Case Operators: Matthew J. Price, Curtiss T. Stinis, Paul S. Teirstein

10:00 AM - 12:00 PM
Session II. Live Cases: SHD
Live Case Moderators: Francesco Maisano
Live Case Co Moderators: Maurice E. Sarano
Factoid Faculty: Matthew T Finn, Paul Guedeney, Amirali Masoumi, Masahiko Noguchi, Evan Shlofmitz

10:00 AM University of Washington Medical Center Regional Heart Center
Live Case Operators: Danny Dvir, G. Burkhard Mackensen, James M. McCabe, Mark Reisman
Lecturers: Gabriel Aldea
11:00 AM Mayo Clinic Rochester MN
Live Case Operators: Mackram F. Eleid, Robert Frantz, Mayra Guerrero, Chet Rihal, Gurpreet S. Sandhu

LIVE CASE THEATER II, SATURDAY, SEPT. 22
SATURDAY, SEPTEMBER 22, 2018
2:00 PM - 6:00 PM
Ballroom 20, Upper Level

2:00 PM - 4:00 PM
Session I. Live Case: LM/Bifurc
Live Case Moderators: Jean Fajadet
Live Case Co Moderators: Erick Schampaert
Live Case Discussants: Dietmar H. Glogar, Nicholas J. Lembo, Yves R. Louvard, Simon Redwood, Bernhard Reimers, Samin K. Sharma, Bernhard Witzenbichler, Bo Xu
Factoid Faculty: Matthew T Finn, Paul Guedeney, Amirali Masoumi, Evan Shlofmitz, Eisuke Usui
KEYNOTE INTERVENTIONAL STUDIES I: ENDOVASCULAR INTERVENTIONS

SATURDAY, SEPTEMBER 22, 2018
1:00 PM - 2:00 PM
Ballroom 6A, Upper Level

1:00 PM - 2:00 PM
Keynote Interventional Studies I: Endovascular Interventions
Moderators: Bruno Scheller, Craig M. Walker
Discussants: George L Adams, Subhash Banerjee, Tony Das, Eric J. Dippel, Khosrow Niazi, Mahmood K. Razavi, Eric A Secemsky, Gunnar Tepe

1:00 PM IMPACT DCB: Pooled Multistudy Assessment of Drug Coated Balloon Treatment for Femoropopliteal Peripheral Artery Disease
Lecturers: Mehd H. Shishehbor
1:10 PM Discussion
1:15 PM EFFPac RCT: A Randomized Trial Evaluating a Drug Coated Balloon in Superficial Femoral and Popliteal Arteries
Lecturers: Ulf Teichgräber
1:25 PM Discussion
1:30 PM DANCE: Two Year Outcomes of Adventitial Dexamethasone Delivery During Femoropopliteal Revascularization
Lecturers: Ehrin J. Armstrong
1:40 PM Discussion
1:45 PM Use and Outcomes With Drug Coated Balloons in Patients With Lower Extremity Peripheral Artery Disease
Lecturers: Schuyler Jones
1:55 PM Discussion

KEYNOTE INTERVENTIONAL STUDIES II: ACUTE CORONARY SYNDROMES, CARDIOGENIC SHOCK, AND HEMODYNAMIC SUPPORT

SATURDAY, SEPTEMBER 22, 2018
3:00 PM - 4:00 PM
Ballroom 6A, Upper Level

3:00 PM - 4:00 PM
Keynote Interventional Studies II: Acute Coronary Syndromes, Cardiogenic Shock, and Hemodynamic Support
Moderators: Jonathan M. Hill, E. Magnus Ohman
Discussants: Christian W. Hamm, Biswajit Kar, Upendra Kaul, Zuzana Motovska, Graham Nichol, Duane S. Pinto, Pieter C. Smits, William M Suh

3:00 PM AMICS: Predictors of Survival in Patients With Acute Myocardial Infarction and Cardiogenic Shock Supported With a Percutaneous Left Ventricular Assist Device
Lecturers: William W. O’Neill
3:10 PM Discussion
3:15 PM SHIELD II: Acute Outcomes and 90 Day Results in Patients Undergoing High Risk PCI Supported With a Percutaneous Left Ventricular Assist Device
Lecturers: David E. Kandzari
3:25 PM Discussion

3:30 PM TROPICAL ACS: Platelet Reactivity and Clinical Outcomes in Acute Coronary Syndrome Patients Treated With Prasugrel and Clopidogrel
Lecturers: Dániel Aradi

3:40 PM Discussion

3:45 PM CvLPRIT: Long term Follow up From a Randomized Trial of Early Complete Revascularization in Patients With Acute Myocardial Infarction and Multivessel Disease
Lecturers: Anthony H. Gershlick

3:55 PM Discussion

KEYNOTE INTERVENTIONAL STUDIES III: IMAGING AND PHYSIOLOGY

SATURDAY, SEPTEMBER 22, 2018
4:00 PM - 5:00 PM
Ballroom 6A, Upper Level

4:00 PM - 5:00 PM
Keynote Interventional Studies III: Imaging and Physiology
Moderators: Nick Curzen, Nils Johnson
Discussants: Carlo Di Mario, Hector M. Garcia-Garcia, Amir Lerman, Francesco Prati, Jennifer A. Tremmel, Gerald S. Werner, Nick E. J. West, Tim P. van de Hoef

4:00 PM DEFERRAL Meta Analysis: Outcomes after FFR based Deferred Revascularization of Nonculprit Stenoses in Acute Coronary Syndromes vs Stable Coronary Artery Disease
Lecturers: Javier Escaned

4:10 PM Discussion

4:15 PM iFR SWEDGEHEART: Two Year Follow up From a Randomized Trial of Instantaneous Wave Free Ratio vs Fractional Flow Reserve Guided PCI
Lecturers: Ole Fröbert

4:25 PM Discussion

4:30 PM IRIS FFR: Prognostic Performance of Five Resting Pressure Derived Indexes of Coronary Physiology
Lecturers: Jung-Min Ahn

4:40 PM Discussion

4:45 PM FORZA: A Randomized Trial of Fractional Flow Reserve vs Optical Coherence Tomography to Guide Revascularization of Intermediate Coronary Stenoses
Lecturers: Antonio Maria Leone

4:55 PM Discussion

INTERVENTIONAL INNOVATION: SHARK TANK INNOVATION COMPETITION

SATURDAY, SEPTEMBER 22, 2018
8:00 AM - 11:00 AM
Ballroom 6A, Upper Level

8:00 AM - 11:00 AM
Shark Tank Innovation Competition
Moderators: Louis A. Cannon, Juan F. Granada
Judge: Daniel Burkhoff, Peter J. Fitzgerald, Steven Hochberg, Frank Litvack, Chaim S. Lotan, Stanton J. Rowe, Robert S. Schwartz

8:00 AM Introduction and Objectives
Lecturers: Juan F. Granada

8:05 AM Announcing the Jon DeHaan Foundation Award for Interventional Innovation
Lecturers: Robert S. Schwartz

8:10 AM Keynote Lecture: Cardiovascular Innovation: Reconciling Todays Clinical Needs With the Future of Medical Technologies
Lecturers: Sanjeev Bhavnani

8:20 AM Roundtable Discussion

8:30 AM A Vascular Compliance Enhancing Device for Treatment of Pulmonary Arterial Hypertension: Aria CV
Lecturers: John Scandurra

8:40 AM QA

8:50 AM A Bioinspired Transcatheter Mitral Valve Replacement System: AValve
Lecturers: Mohammad Sarraf
9:00 AM  QA
9:10 AM  Intelligent Voice Assistant for Heart Disease Patients: Cardiocube
   Lecturers: Tomasz Jadczak
9:20 AM  QA
9:30 AM  Novel Transseptal Neochordal System for Precise Mitral Valve Repair: Chordart
   Lecturers: Alberto Weber
9:40 AM  QA
9:50 AM  Controlled Flow Infusion: A New Approach to Measure Dynamic Microvascular Resistance and to Treat Microvascular Obstruction in Acute Heart Attack Patients in the Cath Lab: CorFlowTherapeutics AG
   Lecturers: Jon Hoem
10:00 AM  QA
10:10 AM  New System for Measurement of Pulmonary and Systemic Blood Flow and Intracardiac Shunts: Innova Medical
   Lecturers: Josef Stasek
10:20 AM  QA
10:30 AM  Comprehensive Solution for Tricuspid Regurgitation and RV Dysfunction: Trisol Medical
   Lecturers: Giora Weisz
10:40 AM  QA
10:50 AM  Roundtable Discussion

DIDACTIC SESSION: DRUG-ELUTING STENTS, BIORESORBABLE SCAFFOLDS, AND CORONARY DRUG-COATED BALLOONS, PART 1

SATURDAY, SEPTEMBER 22, 2018
8:00 AM - 12:15 PM
Room 2, Upper Level

8:00 AM - 8:43 AM
Session I. Metallic DES Progress and Failures
Moderators: Renu Virmani, Clemens von Birgelen
Discussants: Salvatore Cassese, Aloke V. Finn, Nicolas Foin, John A. Ormiston, Dinesh Shah, Sigmund Silber

8:00 AM  Keynote: Why Do Contemporary DES Fail Early and Late Restenosis and Thrombosis
   Lecturers: Michael Joner
8:15 AM  Can Contemporary DES Be Improved by Altering the Drug Polymer Alloy or Construction
   Lecturers: David E. Kandzari
8:25 AM  Ultra Thin Strut DES: A Meaningful Advance
   Lecturers: Sripal Bangalore
8:33 AM  Roundtable Discussion With Audience QA

8:43 AM - 9:46 AM
Session II. DAPT Duration and Triple Therapy
Moderators: Philip M. Urban, Robert W. Yeh
Discussants: Michael A. Kutch, Roxana Mehran, Michelle O'Donoghue, Manel Sabate, Robert M. Schainfeld, Daniel I. Simon

8:43 AM  Latest Thinking on DAPT Duration: Balancing Risk vs Benefit
   Lecturers: Tullio Palmerini
8:53 AM  Roundtable Discussion With Audience QA
8:56 AM  Algorithmic Pharmacology Recommendations for the PCI Patient With Atrial Fibrillation
   Lecturers: C. Michael Gibson
9:06 AM  Roundtable Discussion With Audience QA
9:09 AM  Stent Selection for 1 3 Month DAPT: Current Evidence Ongoing Studies
   Lecturers: Stephan Windecker
9:19 AM  Roundtable Discussion With Audience QA
9:22 AM  DAPT Duration Case Presentation 1: NSTEMI in a High Bleeding Risk Patient Case Introduction
   Case Presenter: Elvin Kedhi
9:25 AM  Case discussion With Audience QA
9:31 AM  Case Conclusion
   Lecturers: Elvin Kedhi
9:34 AM  DAPT Duration Case Presentation 2: PCI in Stable CAD With LMCD and MVD Case Introduction
Case Presenter: Alaide Chieffo

9:37 AM  Case Discussion With Audience QA

9:43 AM  Case Conclusion
Case Presenter: Alaide Chieffo

9:46 AM - 10:42 AM  Session III. PCI and OMT for Ischemia and QOL
Moderators: David J. Cohen, Sunil V. Rao
Discussants: Rasha Al-Lamee, John A. Bittl, Rajiv Gulati, Lloyd W. Klein, Dharam J. Kumbhani, Mamas Mamas

9:46 AM  Optimal Medical Therapy With and Without Coronary Revascularization: Which Drugs Matter Symptoms Ischemia or Prognosis And Magnitude of Impact
Lecturers: David J. Maron

9:56 AM  Roundtable Discussion With Audience QA

10:01 AM  Increasing Emphasis on QOL Outcomes: From Patient Preference to Instrument Validation
Lecturers: John A. Spertus

10:09 AM  Roundtable Discussion With Audience QA

10:12 AM  PCI for Ischemia Part I: Critical Analysis of the FAME Trials and ORBITA
Lecturers: Bernard J. Gersh

10:22 AM  Roundtable Discussion With Audience QA

10:27 AM  PCI for Ischemia Part II: Why the ISCHEMIA Trial Might be Positiveor Negative
Lecturers: Ajay J. Kirtane

10:37 AM  Roundtable Discussion With Audience QA

10:42 AM - 12:15 PM  Session IV. Revascularization in Complex CAD
Moderators: Antonio Colombo, Jeffrey W. Moses

10:42 AM  Defining What Constitutes a Clinically Relevant Peri Procedural MI: Analysis in 17000 Patients
Lecturers: Jung-Min Ahn

10:52 AM  Roundtable Discussion With Audience QA

10:57 AM  Mortality and Stroke Outcomes of PCI vs CABG in MVD and LMD With and Without Diabetes
Lecturers: Stuart J. Head

11:07 AM  Roundtable Discussion With Audience QA

11:10 AM  How Much Has PCI and CABG Improved in MVD and LMD: Insights From SYNTAX II and SYNTAX EXCEL Comparative Analyses
Lecturers: Patrick W. Serruys

11:17 AM  Roundtable Discussion With Audience QA

11:20 AM  PCI for MVD: Is Complete Revascularization the Missing Link Anatomic or Functional
Lecturers: William F. Fearon

11:30 AM  Roundtable Discussion With Audience QA

11:33 AM  Hybrid Revascularization as an Alternative to PCI or CABG
Lecturers: John D. Puskas

11:40 AM  Roundtable Discussion With Audience QA

11:43 AM  MVD Case Presentation With Heart Team Discussion Case Introduction
Case Presenter: Alan C. Yeung

11:46 AM  Case Discussion With Audience QA

11:53 AM  Case Conclusion
Case Presenter: Alan C. Yeung

11:56 AM  Is It Time to Move Beyond Angiography for Procedural Planning SYNTAX III
Lecturers: Antonio L. Bartorelli

12:03 PM  Is It Time to Move Beyond Angiography for Procedural Planning DECISION
Lecturers: Gregg W. Stone

12:10 PM  Roundtable Discussion With Audience QA

DIDACTIC SESSION: INTERVENTIONAL HEART FAILURE AND HEMODYNAMIC SUPPORT, PART 1
8:00 AM - 9:34 AM
Session I. Acute Cardiogenic Shock: What Is the Right Treatment Algorithm?
Moderators: Cindy L. Grines, E. Magnus Ohman
Discussants: Emmanouil S. Brilakis, Marisa Cevasco, Anthony H. Gershlick, Navin K. Kapur, Ashish Pershad

8:00 AM
Defining Cardiogenic Shock: Update From the SCAIHFSA Working Group
Lecturers: David A Baran

8:08 AM
Acute Cardiogenic Shock: Pathophysiology and Treatment Goals
Lecturers: Timothy D. Henry

8:16 AM
Roundtable Discussion With Audience QA

8:21 AM
Major Learnings From IABP Shock II and CULPRIT Shock
Lecturers: Holger Thiele

8:31 AM
IABP in Cardiogenic Shock: Reconciling Clinical Trial Results and Guidelines With Real World Experience With Practical use Recommendations
Lecturers: Richard Smalling

8:39 AM
Roundtable Discussion With Audience QA

8:44 AM
Use of Impella CP and RP in Cardiogenic Shock: From Hemodynamics to Clinical Outcomes
Lecturers: William W. O'Neill

8:59 AM
Roundtable Discussion With Audience QA

9:08 AM
Use of ECMO in Cardiogenic Shock: When and How Complications and Outcomes
Lecturers: A. Reshad Garan

9:16 AM
Use of ECMO during Cardiac Arrest: When and How Complications and Outcomes
Lecturers: Sachin Kumar

9:24 AM
Roundtable Discussion With Audience QA

9:34 AM - 12:15 PM
Session II. Interventional Therapies for Chronic Heart Failure
Moderators: James E. Udelson, Clyde W. Yancy
Discussants: Angeles Alonso Garcia, Colin M. Barker, Timothy D. Henry, Howard C. Herrmann, Biswajit Kar, George W. Vetrovec

9:34 AM
State of the Art: Medical Therapies for CHF With a Focus on Diabetes
Lecturers: Ileana L. Pina

9:42 AM
State of the Art: Device based Therapies for CHF
Lecturers: Jerry D Estep

9:56 AM
State of the Art: Device and Drug based Strategies to Reduce the Incidence of Heart Failure Following AMI
Lecturers: Navin K. Kapur

10:06 AM
Role of Right Heart Failure in Patients With Chronic Heart Failure and Post LVAD
Lecturers: Nir Uriel

10:16 AM
Roundtable Discussion With Audience QA

10:26 AM
PCI and CABG for Chronic Heart Failure
Lecturers: Divaka Perera

10:36 AM
Percutaneous Mitral Repair for Heart Failure
Lecturers: Stefan Anker

10:46 AM
Tricuspid Valve Repair for CHF
Lecturers: Rebecca T. Hahn

10:56 AM
TAVR in Heart Failure: UNLOAD
Lecturers: Ori Ben-Yehuda

11:02 AM
Roundtable Discussion With Audience QA

11:12 AM
Interatrial Shunts I: Corvia
Lecturers: Sanjiv Shah

11:20 AM
Interatrial Shunts II: V wave
Lecturers: JoAnn Lindenfeld

11:28 AM
Cardiac Contractility Modulation for HFrEF and HFmrEF
Lecturers: William T. Abraham

11:36 AM
Aortic Arch Neuromodulation for Chronic Heart Failure: EnoPace
Lecturers: Felix Mahfoud

11:44 AM
Percutaneous Ventricular Reshaping of the LV for Chronic Heart Failure: Ancora
DIDACTIC SESSION: TRANSCATHETER AORTIC VALVE INTERVENTIONS, PART 1

SATURDAY, SEPTEMBER 22, 2018
8:00 AM - 12:00 PM
Room 5, Upper Level

8:00 AM - 9:00 AM
Session 1. Treatment of Bicuspid Aortic Valves (BAV)
Moderators: Joseph E. Bavaria, Horst Sievert
Discussants: Jung-Min Ahn, Stanley J. Chetcuti, Helene Eltchaninoff, Hasan Jilaihawi, John C Laschinger, Jonathon A. Leipsic, Mathew Williams

8:00 AM A Surgeons Perspective on BAV Treatment: Why Surgery is Preferred in Many Most BAV Patients
Lecturers: Joseph E. Bavaria

8:08 AM A CT Imaging Perspective on BAV Treatment: Which Patients are Poor Candidates for TAVR
Lecturers: Jonathan A. Leipsic

8:16 AM A Structural Interventionalist Perspective on BAV Treatment: The Next TAVR Frontier Almost All Patients are TAVR Candidates
Lecturers: Mathew Williams

8:24 AM The Voice of Reason: Why a Randomized Trial is Necessary to Decide if Surgery or TAVR are Preferred in BAV Patients
Lecturers: Eric E. Roselli

8:29 AM Device Selection and CT Sizing for TAVR Treatment of BAV
Lecturers: Lars Sondergaard

8:37 AM TAVR Outcomes for BAV in Asian Patients
Lecturers: Jung-Min Ahn

8:45 AM Case Based Discussion on BAV Rapid Fire Presentation of 3 BAV Cases
Case Presenter: Hasan Jilaihawi

9:00 AM - 10:00 AM
Session 2: Strokes and Cerebral Embolic Protection During TAVR
Moderators: Alexandra J. Lansky, Axel Linke
Discussants: Saif Anwaruddin, Alain G. Cribier, Sammy Elmariah, Nicole Ibrahim, Jean-Claude Laborde, Joachim Schofer, Jochen Wöhrle

9:00 AM A Stroke after TAVR Primer: Time Course Changing Incidence Ascertainment Challenges and Comparison vs Surgery
Lecturers: Samir R. Kapadia

9:10 AM Discussion

9:30 AM Discussion

9:35 AM Keystone TRIGUARD Cerebral Embolic Protection During TAVR: New Generation Devices and the Status of Ongoing Clinical Trials
Lecturers: Tamim Nazif

9:45 AM Discussion

10:00 AM - 11:00 AM
Session 3: Expanding Clinical Indications for TAVR
Moderators: Allan Schwartz, Stephan Windecker
Discussants: Nirat Beohar, Philippe Genereux, Rajiv Jauhar, Philippe Pibarot, Jeffrey J. Popma, Michael J. Reardon, Eric Van Belle

10:00 AM The Case for TAVR in Low Risk Patients: Rationale Current Data Clinical Trends and Updates from the Ongoing Clinical Trials
Lecturers: Jeffrey J. Popma

10:08 AM My Crystal Ball Predicting the Role of Surgery and Surgeons in the Treatment of Aortic Stenosis Once the Cycle of Low Risk Studies is Completed
Lecturers: Michael J. Reardon

10:16 AM Discussion

10:46 AM Discussion

10:50 AM Status Update of the TAVR UNLOAD Trial Moderate AS Patients with Reduced Ejection Fraction and Heart Failure
Lecturers: Joost Daemen

10:58 AM Discussion
Session 4: Bioprosthetic Aortic Valve Failure: Valve-in-Valve Treatment, Valve Leaflet Thrombosis, and Valve Durability

Moderators: Michael J. Mack, Bernard Prendergast
Discussants: Vinayak Bapat, Davide Capodanno, Adnan K. Chhatriwalla, Danny Dvir, Adam B. Greenbaum, Ran Kornowski, John C Laschinger, Lars Sondergaard, John G. Webb

11:00 AM  Clinical Lessons from the Global Aortic VIVID Registry  Optimizing Procedural Outcomes
Lecturers: Danny Dvir

11:08 AM  How to Screen for Risk of Coronary Obstruction Risk on CT Prior to Aortic Valve in Valve Procedures
Lecturers: Philipp Blanke

11:14 AM  To Crack or Not to Crack: The Role of Fracturing Bioprosthetic Valves During ViV Procedures
Lecturers: Adnan K. Chhatriwalla

11:20 AM  To Split or Not to Split: The Role of BASILICA to Reduce the Risk of Coronary Obstruction During ViV and other TAVR Procedures
Lecturers: Adam B. Greenbaum

11:26 AM  Discussion

11:30 AM  The Spectrum of Leaflet Thrombosis in Bioprosthetic Aortic Valves  Prevalence Clinical Consequences and Practical Management Strategies
Lecturers: Lars Sondergaard

11:38 AM  New Guidelines and Classification of Bioprosthetic Valve Dysfunction and Failure: Implications and Thoughts on TAVR Durability
Lecturers: Davide Capodanno

11:46 AM  Should We Anticoagulate All Bioprosthetic Aortic Valves Rationale Ongoing Studies and Recent Trends
Lecturers: George D. Dongos

11:54 AM  Discussion

DIDACTIC SESSION: DRUG-ELUTING STENTS, BIORESORBABLE SCAFFOLDS, AND CORONARY DRUG-COATED BALLOONS, PART 2

SATURDAY, SEPTEMBER 22, 2018
2:00 PM - 6:00 PM
Room 2, Upper Level

2:00 PM - 2:31 PM  Session V. Stent Thrombosis, Restenosis, and Drug-Coated Balloons
Moderators: Fernando Alfonso, Azeem Latib
Discussants: Hiram G. Bezerra, Bernardo Cortese, Kevin J. Croce, Lisette Okkels Jensen, Ashish Pershad, Jose M. de la Torre Hernandez

2:00 PM  Is There a Standard Work Up for Stent Thrombosis Hematology Imaging and More
Lecturers: Robert A. Byrne

2:10 PM  Case Study: Mechanism and Treatment of Stent Thrombosis
Case Presenter: Hector M. Garcia-Garcia

2:17 PM  Roundtable Discussion With Audience QA

2:22 PM  Options for Stent Under Expansion With ISR: Laser Stentablation and More
Lecturers: Antonio Colombo

2:30 PM  POBA Drug Coated Balloons DES and BRS for DES ISR: Advantages Disadvantages Theory and Evidence
Lecturers: Fernando Alfonso

2:40 PM  De Novo Coronary Applications for Drug Coated Balloons: From Data to Practical Cases
Lecturers: Bruno Scheller

2:48 PM  Next Generation Drug Coated Balloons: Limus and Beyond
Lecturers: Juan F. Granada

2:56 PM  Role of Brachytherapy for Refractory ISR in 2018
Lecturers: Ron Waksman

3:04 PM  Case Study: Mechanism and Treatment of Refractory ISR
Case Presenter: Toyo A. Addo

3:11 PM  Roundtable Discussion With Audience QA

3:21 PM - 4:32 PM  Session VI. Long-Term ABSORB Data and Perspectives
Moderators: Bernard R. Chevalier, Stephen G. Ellis
Discussants: Salvatore Brugaletta, Daniel Chamie, Stephen P. Hoole, Giulio G. Stefanini, Corrado Tamburino, Robert-Jan van Geuns

3:21 PM  ABSORB Beyond 3 Years: ABSORB II 5 Year Data
Lecturers: Patrick W. Serruys
3:28 PM  ABSORB Beyond 3 Years: ABSORB Japan 4 Year Data  
Lecturers: Kengo Tanabe

3:35 PM  ABSORB Beyond 3 Years: ABSORB China 4 Year Data  
Lecturers: Runlin Gao

3:42 PM  ABSORB Beyond 3 Years: ABSORB III 4 Year Data  
Lecturers: Dean J. Kereiakes

3:49 PM  ABSORB 4 Year Meta Analysis: Individual Patient Data Analysis  
Lecturers: Gregg W. Stone

3:56 PM  How to Improve BRS Outcomes: Focus on the Device  
Lecturers: Yoshinobu Onuma

4:04 PM  How to Improve BRS Outcomes: Focus on Imaging and Technique  
Lecturers: Ziad A. Ali

4:12 PM  Falcon Development and Status  
Lecturers: Richard J. Rapoza

4:17 PM  Roundtable Discussion With Audience QA

4:32 PM - 6:00 PM  
Session VII: Active BRS Programs  
Moderators: Alexandre Abizaid, Ron Waksman  
Discussants: Bill D. Gogas, Yasuhiro Honda, Matthias Lutz, Manel Sabate, Huay Cheem Tan, Bo Xu

4:32 PM  Progress With Progressively Thin Strut Ultra High Molecular Weight PLLA Based Polymeric BRS: From Aptitude to Magnitude  
Lecturers: Juan F. Granada

4:42 PM  Ongoing Activities With a Radiopaque Tyrosine Carbonate Based Polymeric BRS: Fantom  
Lecturers: Ulf Landmesser

4:52 PM  Update With A Novel Thin Strut Hybrid Cell Design PLLA Based Polymeric BRS: MeRes 100  
Lecturers: Ashok Seth

5:02 PM  Latest Results and Future Directions With the DESolve NXT PLLA Based BRS With Contoured Struts  
Lecturers: Alexandre Abizaid

5:12 PM  Emerging Polymeric and Metallic BRS from China  
Lecturers: Yaling Han

5:22 PM  Imaging and Clinical Results With the Latest Magmaris Magnesium Based Scaffold  
Lecturers: Michael Haude

5:42 PM  Roundtable Discussion With Audience QA

DIDACTIC SESSION: INTERVENTIONAL HEART FAILURE AND HEMODYNAMIC SUPPORT, PART 2

SATURDAY, SEPTEMBER 22, 2018  
2:00 PM - 6:02 PM  
Room 6D, Upper Level

2:00 PM - 3:28 PM  
Session I. Implanted and Non-invasive Sensors for Monitoring  
Moderators: Stefan Anker, Ileana L. Pina  
Discussants: Angeles Alonso Garcia, Jozef Bartunek, Mark Goldberger, Amit N. Patel, Pascal Vranckx

2:00 PM  State of the Art: Congestion and Prognosis in HF  
Lecturers: Gregg Fonarow

2:12 PM  State of the Art: Invasive and Noninvasive Technologies for Monitoring Congestion  
Lecturers: William T. Abraham

2:27 PM  Cardiomems: Update and Ongoing Studies  
Lecturers: JoAnn Lindenfeld

2:39 PM  Endotronix: Differentiating Features and Results  
Lecturers: Katrin Leadley

2:51 PM  Noninvasive Monitoring With Sensible Medical for Preventing Heart Failure Rehospitalizations  
Lecturers: Daniel R. Bensimhon

3:03 PM  Back to the Future: CHF Patient Management Using Digital Technologies  
Lecturers: Adam DeVore

3:13 PM  Roundtable Discussion With Audience QA
Session II. Devices to Protect the Kidney and Reduce Congestion
Moderators: William T. Abraham, JoAnn Lindenfeld
Discussants: Jeroen J. Bax, Peter Carson, Darshan Doshi, Hans R. Figulla, Chaim S. Lotan, Paul A. Sobotka

3:28 PM Renal Physiology of Heart Failure
Lecturers: Uri Elkayam

3:36 PM Intraaortic Continuous Flow Pumps for ADHF
Lecturers: Navin K. Kapur

3:50 PM Renal Vein Pressure Decompression for ADHF: Magenta
Lecturers: David D Israeli

4:04 PM Direct Lymphatic Decompression for ADHF: Whiteswell
Lecturers: William T. Abraham

4:18 PM Ventricular and Pulmonary Decompression by Intravenous Balloon Occlusion: PreCardia
Lecturers: Navin K. Kapur

4:32 PM Roundtable Discussion With Audience QA

4:47 PM - 6:02 PM
Session III. Bridging and Chronic Mechanical Circulatory Support
Moderators: Nir Uriel, Hadley Wilson
Discussants: David A Baran, Marisa Cevasco, Victoria Delgado, Sundeep Mishra, Marvin J. Slepian, Osama Soliman

4:47 PM State of the Art: Latest Innovations in Durable LVADs
Lecturers: Ulrich P. Jorde

5:02 PM The Impella Family of Devices: Utility of Different Tools for Different Conditions Short term and Long term Use
Lecturers: Jeffrey W. Moses

5:17 PM Percutaneous Ventricular and Pulmonary Support: TandemLife
Lecturers: Biswajit Kar

5:27 PM NuPulse: Implantable Counterpulsation for Advanced CHF
Lecturers: Valluvan Jeevanandam

5:37 PM Ventricular Counterpulsation for Percutaneous Ventricular Support: PulseCath
Lecturers: Joost Daemen

5:47 PM Roundtable Discussion With Audience QA

DIDACTIC SESSION: PFO CLOSURE - EMERGING EVIDENCE, INDICATIONS, AND DEVICES

SATURDAY, SEPTEMBER 22, 2018
2:00 PM - 6:20 PM
Room 1, Upper Level

2:00 PM - 2:58 PM
Session I. Evidence for PFO Closure and Global Practices
Moderators: Teiji Akagi, John D. Carroll

2:00 PM Case 1: Should This PFO Be Closed in a Patient With A Cryptogenic Stroke
Case Presenter: Dominik M. Wiktor

2:08 PM Updated RCT Data for PFO Closure in All Comers and Subgroups With Cryptogenic Stroke: How Should the Guidelines Be Updated
Lecturers: Konstantinos Dean Boudoulas

2:20 PM Evolving PFO Closure Practice and Challenges in Canada
Lecturers: Eric Horlick

2:27 PM Evolving PFO Closure Practice and Challenges in Asia
Lecturers: Teiji Akagi

2:34 PM Evolving PFO Closure Practice and Challenges in Europe
Lecturers: Lars Sondergaard

2:41 PM Evolving PFO Closure Practice and Challenges in the US
Lecturers: Richard Smalling

2:48 PM Roundtable Discussion With Audience QA

2:58 PM - 4:02 PM
Session II. Patient Selection for PFO Closure: Evidence-Based and Judgment-Based
Moderators: Michael J. Mullen, David E. Thaler
Discussants: Joseph Carozza, Ted Feldman, Craig E Fleishman, David Hildick-Smith, Jacqueline Saw, Jochen Wührle

2:58 PM Case 2: Should This PFO Be Closed in a Patient With a TIA
Case Presenter: Ted Feldman

3:06 PM Overview of Indications and Patient Selection for PFO Closure
Lecturers: John F. Rhodes

3:16 PM PFO Closure in Older Patients: Clinical and Technical Challenges
Lecturers: Robert J. Sommer

3:28 PM PFO Closure for Primary Prevention
Lecturers: Brian K. Whisenant

3:36 PM PFO Closure for Migraine: Current Status
Lecturers: Robert J. Sommer

3:44 PM PFO Closure for Hypoxemia
Lecturers: Joseph Kay

3:52 PM Roundtable Discussion With Audience QA

4:02 PM - 5:20 PM
Session III. PFO Closure Devices and Techniques
Moderators: William A. Gray, Horst Sievert
Discussants: Steven R. Bailey, Nirat Beohar, Brian Clapp, Eric Eeckhout, Matthew J. Price, Lars Sondergaard

4:02 PM Case 3: A Complex PFO Closure With Technique Challenges
Case Presenter: Sameer Gafoor

4:10 PM Assessment of Shunts: TCD vs Echo
Lecturers: Eustaquio Maria Onorato

4:18 PM Approach to Challenging PFO Anatomy
Lecturers: Zahid Amin

4:26 PM The Landscape of Devices for PFO Closure
Lecturers: Horst Sievert

4:36 PM PFO Closure With the CardioForm: Device Description Ideal and Non Ideal Anatomy Technique and Complications
Lecturers: John F. Rhodes

4:46 PM PFO Closure With the Amplatzer PFO Occluder: Device Description Ideal and Non Ideal Anatomy Technique and Complications
Lecturers: Eric Horlick

4:56 PM Complications of PFO Closure
Lecturers: Jacqueline Saw

5:04 PM Roundtable Discussion With Audience QA

5:20 PM - 6:20 PM
Session IV. Program Building and Hurdles
Moderators: Robert J. Sommer, Christian Spies
Discussants: Suzanne J. Baron, Reda Ibrahim, Carey D. Kimmelstiel, Srihari S. Naidu, Zoltan G. Turi, Dominik M. Wiktor

5:20 PM Case 4: Should This PFO be Closed in a Patient With a Migraine
Case Presenter: David E. Thaler

5:28 PM Neurology Cardiology Partnership
Case Presenter: Mohamad Adnan Alkhouli

5:36 PM Post Procedure Care Issues
Lecturers: Christian Spies

5:44 PM SCAI Operator and Institution Requirements
Lecturers: Clifford J. Kavinsky

5:52 PM To PFO Close or Not to PFO Close: Shared Decision Making
Lecturers: Megan Coylewright

6:00 PM Coding Reimbursement for PFO Closure
Lecturers: Ted Feldman

6:08 PM Roundtable Discussion With Audience QA

DIDACTIC SESSION: PULMONARY HYPERTENSION AND ACUTE CHRONIC PULMONARY EMBOLI THERAPIES
2:00 PM - 3:30 PM
Session I. Group I - Pulmonary Arterial Hypertension
Moderators: Ori Ben-Yehuda, Nick H. Kim
Discussants: Teresa L. Carman, Shao-Liang Chen, Irene M. Lang, Alex M. K. Rothman, Harsimran Sachdeva Singh

2:00 PM  Overview of Group I Pulmonary Hypertension
Lecturers: Nick H. Kim

2:12 PM  Pulmonary Artery Denervation I: Concepts and Pre Clinical Data
Lecturers: Alex M. K. Rothman

2:24 PM  Pulmonary Artery Denervation II: RF Ablation Device and Latest Results
Lecturers: Shao-Liang Chen

2:36 PM  Pulmonary Artery Denervation III: Ultrasound Based Therapy and Results
Lecturers: Ori Ben-Yehuda

2:48 PM  Roundtable Discussion With Audience QA

3:00 PM  Implantable Devices for Pulmonary Hypertension
Lecturers: William T. Abraham

3:12 PM  Aria: A Device Based Approach to RV Failure and Pulmonary Compliance
Lecturers: Irene M. Lang

3:24 PM  Roundtable Discussion With Audience QA

3:30 PM - 4:30 PM
Session II. Acute Pulmonary Embolism
Moderators: Kenneth Rosenfield, Victor F. Tapson
Discussants: Riyaz Bashir, Mark C. Bates, Jay S. Giri, Rahul S. Patel, Gregory Piazza, Thomas M. Tu

3:30 PM  Incidence and Diagnosis
Lecturers: Victor F. Tapson

3:42 PM  Systemic Therapy for Acute PE
Lecturers: Jay S. Giri

3:54 PM  Catheter Directed Therapy for Acute PE
Lecturers: Gregory Piazza

4:06 PM  PERT: The Time is Now
Lecturers: Kenneth Rosenfield

4:18 PM  Roundtable Discussion With Audience QA

4:30 PM - 6:00 PM
Session III. Group IV Pulmonary Hypertension: CTEPH
Moderators: Irene M. Lang, Ehtisham Mahmud

4:30 PM  Incidence Pathophysiology and Diagnosis of CTEPH
Lecturers: William R. Auger

4:40 PM  Pulmonary Thromboendarterectomy is the Definitive Therapy for CTEPH
Lecturers: Michael M. Madani

4:50 PM  Balloon Pulmonary Angioplasty for CTEPH: Evolution of a New Therapy for CTEPH
Lecturers: Ehtisham Mahmud

5:00 PM  Balloon Pulmonary Angioplasty for CTEPH: Patient Selection for Therapy
Lecturers: Nick H. Kim

5:10 PM  Balloon Pulmonary Angioplasty for CTEPH: The Japanese Experience
Lecturers: Hiromi Matsubara

5:20 PM  Balloon Pulmonary Angioplasty for CTEPH: The European Experience
Lecturers: Irene M. Lang

5:30 PM  Balloon Pulmonary Angioplasty for CTEPH: The San Diego Experience
Lecturers: Ehtisham Mahmud

5:40 PM  Roundtable Discussion With Audience QA
DIDACTIC SESSION: TRANSCATHETER AORTIC VALVE INTERVENTIONS, PART 2

SATURDAY, SEPTEMBER 22, 2018
2:00 PM - 6:00 PM
Room 5, Upper Level

2:00 PM - 3:00 PM
Session 5: Policy Controversies on Aortic Valve Replacement Therapy - Patient Access, Volume Thresholds, and Parity
Moderators: Robert O. Bonow, Martin B. Leon

3:00 PM - 4:00 PM
Session 6: TAVR New Technology Forum
Moderators: Jeffrey J. Popma, Hendrik Treede
Discussants: Alexandre Abizaid, Gregory P. Fontana, Howard C. Herrmann, Susheel K. Kodali, Michael J. Reardon, Vinod H. Thourani, Mathew Williams

4:00 PM - 5:00 PM
Session 7. TAVR World Cup at TCT - Clinical Case Challenges
Moderators: Tamim Nazif, Torsten P. Vahl
Discussants: Saif Anwaruddin, Anita Asgar, Vasilis Babaliaros, Marco Barbanti, Colin M. Barker, John K. Forrest, Kendra J. Grubb, David A. Wood

5:00 PM - 6:00 PM
Session 8. TAVR World Series - The Best of the Rest!
Moderators: Susheel K. Kodali, Vinod H. Thourani

5:15 PM  A Growing Conundrum: Coronary Access after TAVR Technical Tips and Tricks
Lecturers: James B. Hermiller Jr

5:21 PM  Rationale for Combining TAVR and LAAC in AF Patients: An Introduction to the WATCH TAVR Trial
Lecturers: Samir K. Kapadia

5:37 PM  Innovation Gone Wild: The Pi Cardia Leaflex Aortic Valve Remodeling System
Lecturers: Philippe Genereux

5:43 PM  TAVR to Treat Pure Aortic Regurgitation: The TVT Registry Experience
Lecturers: Saif Anwaruddin

5:49 PM  A Clinical Algorithm for Diagnosing and Managing Patients with Low Flow Low Gradient Aortic Stenosis
Lecturers: Philippe Pibarot

5:55 PM  Discussion

TCT ENDOVASCULAR: FELLOWS COURSE

SATURDAY, SEPTEMBER 22, 2018
8:00 AM - 11:00 AM
Room 33B-C, Upper Level

8:00 AM - 8:50 AM
Session I. Vascular Disease Past, Present, and Future
Moderators: Jay S. Giri, Sahil A. Parikh
Discussants: Gary M. Ansel, Douglas E. Drachman, Andrew J. Klein, Craig M. Walker, Mitchell Weinberg

8:00 AM  Training in Endovascular Intervention
Lecturers: Sahil A. Parikh

8:10 AM  Roundtable Discussion With Audience QA

8:15 AM  Highlights From the Updated PAD Guidelines and SCAI AUC
Lecturers: Douglas E. Drachman

8:25 AM  Roundtable Discussion With Audience QA

8:30 AM  Most Important Clinical Trials in Vascular Medicine and Intervention in the Past 10 Years
Lecturers: Jay S. Giri

8:45 AM  Roundtable Discussion With Audience QA
8:50 AM - 10:00 AM

Session II. Core Curriculum: So You Think You Can Be a Vascular Specialist?
Moderators: Douglas E. Drachman, Michael R. Jaff

8:50 AM  **Clinical Pearls: Carotid Disease Diagnosis and Treatment**  
Lecturers: Herbert D. Aronow

9:00 AM  **Clinical Pearls: Lower Extremity PAD Diagnosis and Treatment**  
Lecturers: Douglas E. Drachman

9:10 AM  **Clinical Pearls: CLI Diagnosis and Treatment**  
Lecturers: Mehdi H. Shishehbor

9:20 AM  **Clinical Pearls: VTEPE Diagnosis and Treatment**  
Lecturers: Kenneth Rosenfield

9:30 AM  **Clinical Pearls: AAA Diagnosis and Treatment**  
Lecturers: Ehrin J. Armstrong

9:40 AM  **Clinical Pearls in Superficial Venous Disease**  
Lecturers: Raghu Kolluri

9:50 AM  **Roundtable Discussion With Audience QA**

10:00 AM - 11:00 AM

Session III. Case Reviews: So You Think You Can Be a Vascular Specialist?
Moderators: Ehrin J. Armstrong, Douglas E. Drachman, Mehdi H. Shishehbor
Discussants: Herbert D. Aronow, J. Michael Bacharach, Danielle Bajakian, Andrew J. Klein, Khusrow Niazi

10:00 AM  **Case 1 Introduction: Iliac Disease**  
Case Presenter: Mehdi H. Shishehbor

10:05 AM  **Discussion of Strategies**

10:15 AM  **Case 1 Conclusion: Iliac Disease**  
Case Presenter: Mehdi H. Shishehbor

10:20 AM  **Case 2 Introduction: SFA Disease**  
Case Presenter: Douglas E. Drachman

10:25 AM  **Case 2: Discussion of Strategies**

10:35 AM  **Case 2 Conclusion: SFA Disease**  
Case Presenter: Douglas E. Drachman

10:40 AM  **Case 3: CLI**  
Case Presenter: Ehrin J. Armstrong

10:45 AM  **Case 2: Discussion of Strategies**

10:55 AM  **Case 3 Conclusion: CLI**  
Case Presenter: Ehrin J. Armstrong

---

TCT ENDOVASCULAR: EXPERT CASE REVIEWS - CAROTID AND VERTEBRAL INTERVENTIONS

SATURDAY, SEPTEMBER 22, 2018  
12:15 PM - 1:45 PM  
Room 32A-B, Upper Level

12:15 PM - 1:45 PM

**Expert Case Reviews: Carotid and Vertebral Interventions**
Moderators: William A. Gray, Aman B. Patel
Discussants: Gavin Britz, Shafir H. Ellozy, Peter L. Faries, Adnan Siddiqui, Jose M. Wiley

12:15 PM  **Case 1: Carotid Artery Intervention for Asymptomatic Carotid Artery Stenosis: Why And How**  
Lecturers: Gary S. Roubin

12:25 PM  **Case 2: Carotid Artery Intervention After Stroke: Timing and Other Considerations**  
Case Presenter: Christopher J Stapleton

12:35 PM  **Case 3: Endovascular Intervention for Fibromuscular Dysplasia**  
Case Presenter: Gary M. Ansel

12:45 PM  **Case 4: Carotid Artery Stenting for Carotid Artery Dissection: Why When and How**  
Case Presenter: Adnan Siddiqui

12:55 PM  **Case 5: Carotid Artery Stenting With Complex Arch Navigation**  
Case Presenter: William A. Gray
Case 6: Trans Cervical Carotid Artery Stenting: Silk Road  
Case Presenter: Christopher J. Kwolek

Case 7: Stenting of Vertebral Artery Origin: Indications Techniques Complications  
Case Presenter: Rahul Saktiija

Case 8: Wingspan Stenting for Intracranial Atherosclerosis

Roundtable Discussion with Audience QA

**TCT ENDOVASCULAR: EXPERT CASE REVIEWS - SFA, POPLITEAL, AND BELOW THE KNEE INTERVENTION**

**SATURDAY, SEPTEMBER 22, 2018**

**12:15 PM - 1:45 PM**
**Room 30D-E, Upper Level**

**12:15 PM - 1:45 PM**
*Expert Case Reviews: SFA, Popliteal, and Below the Knee Intervention*

Moderators: Herbert D. Aronow, Brian G. DeRubertis  
Discussants: Nelson Bernardo, Alrik Farber, Osamu Iida, Andrew J. Klein, Kenneth Rosenfield, Niten Singh

12:15 PM - Case 1: Use of Reentry Device to Puncture a Retrograde Balloon in a Difficult SFA Occlusion  
Case Presenter: Tony Dos

12:25 PM - Case 2: Crack and Pave Technique for a Highly Calcified SFA  
Case Presenter: Andrej Schmidt

12:35 PM - Case 3: Retrograde SFA Access for a Complex Proximal SFA Occlusion  
Case Presenter: Ehrin J. Armstrong

12:45 PM - Case 4: Intravascular Lithoplasty for a Highly Calcified SFA  
Case Presenter: Philip Green

12:55 PM - Case 5: Pedal Loop Reconstruction for Critical Limb Ischemia  
Case Presenter: Marco Manzi

1:05 PM - Case 6: Transmetatarsal Access  
Case Presenter: Arthur C. Lee

1:15 PM - Case 7: Combined Antegrade-Retrograde Crossing of a Complex Tibial CTO  
Case Presenter: Brian G. DeRubertis

1:25 PM - Case 8: Intravascular Tack Deployment to Treat Infrapopliteal Post Angioplasty Dissection  
Case Presenter: Nicolas W Shammas

1:35 PM - Roundtable Discussion With Audience QA

**TCT ENDOVASCULAR: CRITICAL LIMB ISCHEMIA DEEP DIVE**

**SATURDAY, SEPTEMBER 22, 2018**

**2:00 PM - 4:10 PM**
**Room 30D-E, Upper Level**

**2:00 PM - 4:10 PM**
*Critical Limb Ischemia Deep Dive*

Moderators: Ehrin J. Armstrong, Sahil A. Parikh  
Discussants: Masahiko Fujihara, Marco Manzi, Matthew T. Menard, Luis Mariano Palena, Nicolas W Shammas, Ramon L Varcoe

2:00 PM - Multidisciplinary Care in CLI: How Do We Accomplish It  
Lecturers: Michael R. Jaff

2:10 PM - How the Best CLI Trial Will Change Clinical Practice  
Lecturers: Matthew T. Menard

2:18 PM - Disparities in Critical Limb Ischemia Treatment: Can We Minimize Variation  
Lecturers: Schuyler Jones

2:26 PM - Roundtable Discussion  Multidisciplinary Care of CLI

2:31 PM - How to Optimize Success in Crossing Tibial Occlusions  
Lecturers: Larry J. Diaz

2:39 PM - Role of Atherectomy in Treating Tibial Vessels: Case Examples and Data  
Lecturers: Jaafer Golzar

2:45 PM - Intravascular Imaging to Optimize Tibial Interventions
2:51 PM Debate: Pedal Loop Angioplasty is Crucial to Optimize Wound Healing  
Lecturers: Steve Henao

2:56 PM Debate: Pedal Loop Angioplasty Does Not Improve Outcomes in CLI  
Lecturers: Peter A. Soukas

3:01 PM Roundtable Discussion Optimizing Outcomes of Tibial Interventions

3:06 PM Adventitial Drug Therapy for Treatment of Critical Limb Ischemia  
Lecturers: Ehrin J. Armstrong

3:14 PM Cell Based and Biologic Therapies for Critical Limb Ischemia  
Lecturers: Mehd H. Shishehbor

3:22 PM Optimal Medical Therapy of Patients With Critical Limb Ischemia  
Lecturers: Douglas E. Drachman

3:30 PM Debate: Drug Coated Balloons Will Eventually Show Benefit for Infrapopliteal Arteries  
Pro Lecturers: Bryan T. Fisher

3:35 PM Debate: Drug Coated Balloons Will Eventually Show Benefit for Infrapopliteal Arteries  
Con Lecturers: Carlos I. Mena-Hurtado

3:40 PM Drug Eluting Stents For Tibial Disease: Data and Case Examples  
Lecturers: Robert A. Lookstein

3:47 PM Intravascular Lithotripsy for Treatment of Calcified Tibial Vessels  
Lecturers: Ramon L Varcoe

3:55 PM Roundtable Discussion With Audience QA

REGIONAL SNAPSHOT MEETING: THE BEST OF INTERVENTION FROM ASIA-PACIFIC

SATURDAY, SEPTEMBER 22, 2018
2:00 PM - 4:00 PM
Room 31B-C, Upper Level

2:00 PM - 3:00 PM
Session I. My Worst Nightmare Complications
Moderators: Vinay K. Bahl, Huay Cheem Tan
Discussants: Jun-Jack Cheng, Kenneth Chin, Shirish Hiremath, Jeehoon Kang, Linda Lison, Fazila T. Malik

2:00 PM Case 1: From Indonesia: Catheter Induced Dissection With Acute Vessel Closure Aortic Dissection and Perforation  
Case Presenter: Sodiqur Rifqi

2:07 PM Roundtable Discussion With Audience QA

2:12 PM Case 2: From Taiwan: Lightening Will Strike Again 2 Wire Breakages Happening in 1 Procedure  
Case Presenter: Chih-Fan Yeh

2:19 PM Roundtable Discussion With Audience QA

2:24 PM Case 3: From India: Rotational Atherectomy With Left Main Perforation  
Case Presenter: O. Sai Satish

2:31 PM Roundtable Discussion With Audience QA

2:36 PM Case 4: From Singapore: Finding a Missing Bioresorbable Scaffold  
Case Presenter: Joshua P. Loh

2:43 PM Roundtable Discussion With Audience QA

2:48 PM Case 5: From South Korea: Tear of a Calcified Coronary Artery  
Lecturers: Do-Yoon Kang

2:55 PM Roundtable Discussion With Audience QA

3:00 PM - 4:00 PM
Session II. CHIPS from Asia
Moderators: Teguh Santoso, Wei-Hsian Yin
Discussants: Mohammed Badiuzzaman, Kenneth Chin, Samuel K Mathew, Seung-Jung Park, Huay Cheem Tan, Chiung Jen Wu

3:00 PM Case 6: From Malaysia: Recurrent ISR at the Distal Anastomotic Site of a 10 Year Old Saphenous Vein Graft  
Case Presenter: Kenneth Chin

3:07 PM Roundtable Discussion With Audience QA

3:12 PM Case 7: From Bangladesh: Post CABG Heavily Calcified Left Main Double Stent Strategy

TRANSATHER CARDIOVASCULAR THERAPEUTICS | SATURDAY, SEPTEMBER 22, 2018
3:19 PM Roundtable Discussion With Audience QA

3:24 PM Case 8: From India: Trans Radial Rotational Atherectomy of a Critical Left Main Stenosis
Case Presenter: Anand M Rao

3:31 PM Roundtable Discussion With Audience QA

3:36 PM Case 9: From Taiwan: Heavily Calcified LM Bifurcation and Near Ostial Occlusion of a Highly Angulated Dominant LCX

3:43 PM Roundtable Discussion With Audience QA

Case Presenter: Teguh Santoso

3:55 PM Roundtable Discussion With Audience QA

HOT TOPIC LUNCH: ECHO GUIDANCE OF INTERVENTIONAL PROCEDURES (SPONSORED BY THE AMERICAN SOCIETY OF ECHOCARDIOGRAPHY)

SATURDAY, SEPTEMBER 22, 2018
12:15 PM - 1:45 PM
Room 33B-C, Upper Level

12:15 PM - 1:45 PM
Echo Guidance of Interventional Procedures
Moderators: Rebecca T. Hahn, Stephen H. Little
Discussants: Paul A. Grayburn, Chad Kliger, Sunil V. Mankad, Alina A. Nicoara, Muhamed Saric, Frank E. Silvestry

12:15 PM Imaging Pearls for the Interventional Cardiologist
Lecturers: Sunil V. Mankad

12:25 PM Who is the Interventional Imager And How Do We Pay For Them
Lecturers: Paul A. Grayburn

12:35 PM Roundtable Discussion With Audience QA

12:40 PM Imaging Guidance I: Percutaneous ASD VSD Repair
Lecturers: Frank E. Silvestry

12:50 PM Imaging Guidance II: MitraClip Moving Beyond A2P2
Lecturers: Stephen H. Little

1:00 PM Imaging Guidance III: Tricuspid Valve Interventions Imagers Breaking New Ground
Lecturers: Rebecca T. Hahn

1:10 PM Roundtable Discussion with Audience QA

1:15 PM DEBATE: The Minimalist Approach to Imaging is Safe And Heres the Data
Lecturers: Muhamed Saric

1:25 PM DEBATE: Optimizing Outcomes Means TEE Imaging And Heres The Data
Lecturers: Alina A. Nicoara

1:35 PM Roundtable Discussion with Audience QA

HOT TOPIC LUNCH: THE DIABETIC PATIENT REVASCULARIZATION AND MEDICAL THERAPIES

SATURDAY, SEPTEMBER 22, 2018
12:15 PM - 1:45 PM
Room 23B-C, Upper Level

12:15 PM - 1:45 PM
The Diabetic Patient: Revascularization and Medical Therapies
Moderators: David J. Maron, Steven P. Marso
Discussants: Jaya Chandrasekhar, Michael E. Farkouh, Vasim Farooq, Fazila T. Malik, Miodrag C. Ostojic, Robert L. Wilensky, Clemens von Birgelen

12:15 PM Introduction: Framing the Issues
Lecturers: Steven P. Marso

12:20 PM The Diabetes Heart Team: Role for Incorporating the Endocrinologist
Lecturers: Silvio Inzucchi

12:28 PM Comprehensive CV Risk Reduction Strategy in Diabetics
Lecturers: Fatima Rodriguez
Medical Therapy for Whom and When: What is the Ceiling of Medical Therapy
Lecturers: Jonathan D Newman

Newer Diabetes Agents: What All Interventional Cardiologists Need to Know
Lecturers: Steven P. Marso

Roundtable Discussion With Audience QA

CABG Remains the Default Therapy For All Diabetics With Multivessel and Left Main Disease

When is PCI a Valid Alternative To Only Medical Therapy or CABG in the Diabetic Patient
Lecturers: Sripal Bangalore

Complete Revascularization is the Missing Link to Improve Diabetic PCI Outcomes
Lecturers: J. Aaron Grantham

CHIP in The Diabetic Patient: Special Considerations
Lecturers: James M. McCabe

Roundtable Discussion With Audience QA

Summary Comments and Take Home Messages
Lecturers: David J. Maron

COMPLEX INTERVENTIONS: EXPERT CASE REVIEWS - BALLOON ANGIOPLASTY FOR CHRONIC THROMBOEMBOLIC PULMONARY HYPERTENSION (CTEPH )

SATURDAY, SEPTEMBER 22, 2018
12:15 PM - 1:45 PM
Room 24A-B, Upper Level

12:15 PM - 1:45 PM
Balloon Angioplasty for Chronic Thromboembolic Pulmonary Hypertension (CTEPH)
Moderators: Irene M. Lang, Ehtisham Mahmud

12:15 PM Introduction: What Do We Hope to Learn From These Cases
Lecturers: Irene M. Lang

12:20 PM Case 1: A Case of Balloon Pulmonary Angioplasty for CTEPH Emphasizing Optimal Clinical and Anatomic Patient Selection
Lecturers: William R. Auger

12:30 PM Case 2: A Case of Balloon Pulmonary Angioplasty for CTEPH: Focus on Technique and Metrics for Success
Case Presenter: Francesco Saia

12:40 PM Case 3: A Case of Balloon Pulmonary Angioplasty for CTEPH: Focus on Vessel Selection and Number of Procedures
Case Presenter: Irene M. Lang

12:50 PM Case 4: A Case of Balloon Pulmonary Angioplasty for CTEPH Demonstrating the Utility of Intravascular Imaging
Case Presenter: Hiromi Matsubara

1:00 PM Case 5: A Case of Balloon Pulmonary Angioplasty for CTEPH: Advanced Techniques Including Functional Assessment
Case Presenter: Ehtisham Mahmud

1:10 PM Case 6: A Case Demonstrating the Potential Long Term Benefits of Balloon Pulmonary Angioplasty for CTEPH
Case Presenter: Riyaz Bashir

1:20 PM Case 7: A Case of Balloon Pulmonary Angioplasty for CTEPH Complicated by Reperfusion Pulmonary Edema
Case Presenter: Nick H. Kim

1:30 PM Case 8: A Case of Balloon Pulmonary Angioplasty for CTEPH Complicated by Perforation
Case Presenter: Sanjum S Sethi

1:40 PM Take Home Messages: What Did We Learn From These Cases
Lecturers: Ehtisham Mahmud

COMPLEX INTERVENTIONS: EXPERT CASE REVIEWS - COMPLEX ADULT CONGENITAL INTERVENTION

SATURDAY, SEPTEMBER 22, 2018
12:15 PM - 1:53 PM
Room 28D-E, Upper Level

12:15 PM Complex Adult Congenital Intervention
Moderators: Lee N. Benson, Eric Horlick
Discussants: Zahid Amin, Makram R. Ebeid, Ioannis Iakovou, Michael J. Lim, Mark Osten, Harsimran Sachdeva Singh, Nathan W Taggart

12:15 PM Introduction: What do We Hope to Learn From These Cases
Lecturers: Lee N. Benson

12:18 PM Case 1: The Domino Effect
Case Presenter: Reda Ibrahim

12:27 PM Case 2: TBD
Case Presenter: Daniel S Levi

12:36 PM Case 3: Tricuspid Valve in Valve
Case Presenter: Nathan W Taggart

12:45 PM Case 4: A Fontan Baffle Obstruction
Case Presenter: Mark Osten

12:54 PM Case 5: TBD
Case Presenter: Michael J. Lim

1:03 PM Case 6: Percutaneous Pulmonary Valve Placement: Mishap After Mishap
Case Presenter: Zahid Amin

1:12 PM Case 7: Bifurcation Stenting for Pulmonary Vein Stenosis
Case Presenter: Harsimran Sachdeva Singh

1:21 PM Case 8: A Large Coronary Fistula: Should it be Closed and How
Case Presenter: Ioannis Iakovou

1:30 PM Case 9: Catheter Opening of Occluded Superior Baffle Post Trial Switch With Assisted Transhepatic Approach
Case Presenter: Makram R. Ebeid

1:39 PM Case 10: An Arch Complication After Aortic Coarctation Stenting
Case Presenter: Eric Horlick

1:48 PM Take home Messages: What Did We Learn From these Cases
Lecturers: Lee N. Benson

COMPLEX INTERVENTIONS: EXPERT CASE REVIEWS - CTO ANTEGRADE REENTRY TECHNIQUES

SATURDAY, SEPTEMBER 22, 2018
12:15 PM - 1:45 PM
Room 25A-B, Upper Level

12:15 PM - 1:45 PM
CTO Antegrade Reentry Techniques
Moderators: Dimitri Karmpaliotis, Etsuo Tsuchikane
Discussants: Pierfrancesco Agostoni, Alfredo R. Galassi, Junbo Ge, Lukasz Klima, Leif Thuesen, R. Michael Wyman

12:15 PM Introduction: What Do We Hope to Learn From These Cases
Lecturers: Etsuo Tsuchikane

12:20 PM Case 1: A Case of Demonstrating the Contemporary Utility of the Parallel Wire Technique
Case Presenter: Gerald S. Werner

12:30 PM Case 2: A Case Demonstrating an Advanced Antegrade Dissection and Reentry Technique
Case Presenter: R. Michael Wyman

12:40 PM Case 3: A Case Demonstrating the Knuckle Wire Technique
Case Presenter: Sunao Nakamura

12:50 PM Case 4: A Case of Antegrade Fenestration and Re Entry
Case Presenter: Mauro Carlino

1:00 PM Case 5: A CTO Case in Which Antegrade Persistence Payed Off
Case Presenter: Nicholas J. Lembo

1:10 PM Case 6: A Case of Real Time Fusion CT Imaging to Guide CTO PCI
Case Presenter: Farouc A Jaffer

1:20 PM Case 7: A Case Demonstrating Active Antegrade True Lumen Seeking
Case Presenter: Yuejin Yang

1:30 PM Case 8: A Major Complication During Antegrade CTO PCI Hint Not a Perforation
Lecturers: Roberto Diletti

1:40 PM Take Home Messages: What Did We Learn From these Cases
Lecturers: Dimitri Karmpaliotis

COMPLEX INTERVENTIONS: EXPERT CASE REVIEWS - FFR-CT CASE STUDIES: NONINVASIVE DIAGNOSIS AND PROCEDURAL PLANNING

SATURDAY, SEPTEMBER 22, 2018
12:15 PM - 1:45 PM
Room 32A-B, Upper Level
FFRCT Case Studies: Noninvasive Diagnosis and Procedural Planning

Moderators: Nick Curzen, Robert D. Safian
Discussants: Colin Berry, Pamela S. Douglas, Jonathon A. Leipsic, Hitoshi Matsuo, Erick Schampaert

12:15 PM - 1:45 PM

**Introduction: What Do We Hope to Learn From These Cases**
Lecturers: Robert D. Safian

12:19 PM **Case 1: An FFRCT Case That Convinced Me of Its Utility**
Case Presenter: Michael Mooney

12:28 PM **Case 2: A Case Where FFRCT Was More Accurate Than All Other Imaging Modalities From PACIFIC**
Case Presenter: Paul Knaapen

12:37 PM **Case 3: A Case Where FFRCT Identified Ischemia in a Mild Coronary Stenosis From the ADVANCE Registry**
Case Presenter: Takashi Akasaka

12:46 PM **Case 4: A Real World Case Where FFRCT Provided Unique Insights**
Case Presenter: Hitoshi Matsuo

12:55 PM **Case 5: A Case of FFRCT to Evaluate Dyspnea and Atypical Symptoms**
Case Presenter: Daniel I. Simon

1:04 PM **Case 6: A Case of FFRCT Assessment During Plaque Rupture**
Case Presenter: Jonathon A. Leipsic

1:13 PM **Case 7: A Case in Which FFRCT Provided Some But Not All of the Needed Data**
Case Presenter: Justin E. Davies

1:22 PM **Case 8: A Case of Revascularization Planning by FFRCT From SYNTAX III**
Case Presenter: Patrick W. Serruys

1:31 PM **Case 9: A Case of PCI Planning and Virtual Stenting Using the Interactive FFRCT Planner**
Case Presenter: Andrejs Erglis

1:40 PM **Take Home Messages: What Did We Learn From These Cases**
Lecturers: Nick Curzen

---

**COMPLEX INTERVENTIONS: EXPERT CASE REVIEWS - INTERVENTIONAL RICH EMOTIONAL EXPERIENCES (AKA COMPLICATIONS) I: CORONARY**

SATURDAY, SEPTEMBER 22, 2018
12:15 PM - 1:45 PM
Room 28A-B, Upper Level

12:15 PM - 1:45 PM

**Interventional Rich Emotional Experiences (AKA Complications) I: Coronary**
Moderators: Ran Kornowski, William L. Lombardi
Discussants: Nirat Beohar, David Daniels, Miroslaw Ferenc, Mamas Mamas, James Nolan, Bernhard Witzenbichler

12:15 PM **Introduction: What Do We Hope To Learn From These Cases**
Lecturers: Ran Kornowski

12:20 PM **Case 1: A Case of a Massive Coronary Perforation**
Case Presenter: Nicholas J. Lembo

12:30 PM **Case 2: A Case of a Collateral Perforation**
Case Presenter: Sanjog Kalra

12:40 PM **Case 3: A Case of Refractory No Reflow**
Case Presenter: Rahul Sakhuja

12:50 PM **Case 4: A Case of a Lost Stent in the Left Main**
Case Presenter: Woleed El Awady

1:00 PM **Case 5: A Complication That Occurred When I Treated a Post MI VSD**
Case Presenter: Biswojit Kar

1:10 PM **Case 6: A Most Uncommon PCI Complication**
Case Presenter: Barry D. Rutherford

1:20 PM **Case 7: A Radial Artery Access Disaster**
Case Presenter: Ramon Quesada

1:30 PM **Case 8: A Case of Major Peripheral Vascular Complications During Coronary Intervention**
Case Presenter: Dmitry N. Feldman

1:40 PM **Take Home Messages: What Did We Learn From These Cases**
Lecturers: William L. Lombardi

---

**COMPLEX INTERVENTIONS: EXPERT CASE REVIEWS - MITRACLIP COMPLEX CASE STUDIES AND TECHNIQUE**
**MitraClip Complex Case Studies and Technique**

Moderators: Hüseyin Ince, Matthew J. Price
Discussants: Anita Asgar, Eric A. Cohen, Oscar A. Mendiz, Frederick G. St. Goar, Corrado Tamburino, Brian K. Whisenant

- **12:15 PM**
  - **Introduction:** What Do We Hope to Learn From These Cases
  - **Lecturers:** Matthew J. Price

- **12:20 PM**
  - **Case 1:** A Case of Progressive Stenosis After a Successful MitraClip
  - **Case Presenter:** Ulrich Schäfer

- **12:30 PM**
  - **Case 2:** MitraClip for Annuloplasty Ring Dehiscence
  - **Case Presenter:** Peter Wenaweser

- **12:40 PM**
  - **Case 3:** MitraClip for Prolapse of a Trileaflet Mitral Valve
  - **Case Presenter:** Manuel Pan

- **12:50 PM**
  - **Case 4:** Transcatheter MitraClip Repair for Commissural Regurgitation
  - **Case Presenter:** Joachim Schofer

- **1:00 PM**
  - **Case 5:** A Case of Transcatheter Mitral Valve Repair in the Setting of Cardiogenic Shock
  - **Case Presenter:** Paolo Denti

- **1:10 PM**
  - **Case 6:** A Challenging MitraClip Decision: Whether to Implant a Second Clip
  - **Case Presenter:** Konstantinos Spargias

- **1:20 PM**
  - **Case 7:** TBD
  - **Case Presenter:** Jörg Hausleiter

- **1:30 PM**
  - **Case 8:** An Iatrogenic ASD During Transcatheter Mitral Valve Repair: When and Why to Close
  - **Case Presenter:** George S. Hanzel

- **1:40 PM**
  - **Take home Messages:** What Did We Learn From these Cases
  - **Lecturers:** Hüseyin Ince

**TAVR Valve in Valve, Valve in Ring, Valve in MAC and Valve in Bicuspid AS**

**COMPLEX INTERVENTIONS: EXPERT CASE REVIEWS**

**SATURDAY, SEPTEMBER 22, 2018**

**12:15 PM - 1:46 PM**

**Room 26A-B, Upper Level**

**TAVR Valve in Valve, Valve in Ring, Valve in MAC and Valve in Bicuspid AS**

Moderators: Danny Dvir, Massimo Napodano
Discussants: Robert J. Applegate, Vinayak Bapat, Aloide Chieffo, Jan Kovac, Bernard Prendergast

- **12:15 PM**
  - **Introduction:** What Do We Hope to Learn From These Cases
  - **Lecturers:** Danny Dvir

- **12:19 PM**
  - **Case 1:** A Case of TAVR ViV Requiring an Advanced Approach
  - **Case Presenter:** Mohamed Abdel-Wahab

- **12:28 PM**
  - **Case 2:** A Case of TAVR in TAVR
  - **Case Presenter:** Marco Barbanti

- **12:37 PM**
  - **Case 3:** A Case of Bioprosthetic Valve Fracture To Facilitate TAVR ViV
  - **Case Presenter:** Keith B. Allen

- **12:47 PM**
  - **Case 4:** Bioprosthetic Valve Fracture Before or After TAVR ViV
  - **Case Presenter:** Adnan K. Chhatriwalla

- **12:56 PM**
  - **Case 5:** A Case of TAVR in a Stentless Surgical Valve Tips and Tricks to Know
  - **Case Presenter:** David X. Zhao

- **1:05 PM**
  - **Case 6:** A Case of Failed TAVR ViV
  - **Case Presenter:** Curtiss T. Stinis

- **1:14 PM**
  - **Case 7:** A Case of TAVR ViR With Complications
  - **Case Presenter:** Azeem Latib

- **1:23 PM**
  - **Case 8:** A Case of a TAVR in MAC With Complications
  - **Case Presenter:** Torsten P. Vahl

- **1:32 PM**
  - **Case 9:** A Case of TAVR in Bicuspid Aortic Stenosis Technical Considerations
  - **Case Presenter:** Albert Markus Kasel

- **1:41 PM**
  - **Take Home Messages:** What Did We Learn From these Cases
FASCINATING LECTURES I: THE GLOBAL REACH OF INTERVENTIONAL CARDIOLOGY

SATURDAY, SEPTEMBER 22, 2018
2:00 PM - 3:00 PM
Ballroom 6A, Upper Level

2:00 PM - 3:00 PM
The Global Reach of Interventional Cardiology
Moderators: James E. Muller, Giora Weisz
Discussants: Andrea Abizaid, Graham A. Cassel, David F. Kong, Ehtisham Mahmud, Robert D. Safian

2:00 PM Balloons on the Battlefield: Novel Endovascular Techniques for Military Resuscitation
Lecturers: Paul Rees

2:10 PM Fascinating QA

2:15 PM PCI for Syrian Refugees in Jordan With the Syrian American Medical Society SAMS
Lecturers: Stefan Harb

2:25 PM Fascinating QA

2:30 PM Interventional Cardiology Acronyms and the Suffering of the Syrian People During the Civil War
Lecturers: Waleed Y Kadro

2:40 PM Fascinating QA

2:45 PM Robotic Tele Stenting Over Long Geographic Distances: Progress and Barriers
Lecturers: Ryan D. Maddern

2:55 PM Fascinating QA

SPECIAL @TCT SESSION: CVREP@TCT - THE CHIP FORUM

SATURDAY, SEPTEMBER 22, 2018
2:30 PM - 4:00 PM
Room 238-C, Upper Level

2:30 PM - 2:35 PM
Introduction and Session Goals

2:30 PM Introduction and Session Goals

2:35 PM - 3:05 PM
Session I. Calcified Lesions
Moderators: Amr Kamal, Mohamed Ahmed Sobhy, Sherif Wagdy
Discussants: Tarek Helmy

2:35 PM Case 1: Complex Diffuse Coronary Artery Disease
Lecturers: Amr Mahmoud Zaki

2:45 PM Roundtable Discussion

2:50 PM Case 2: Complex Multivessel PCI With Severely Calcified Lesions
Lecturers: Mohamed Sadaka

3:00 PM Roundtable Discussion

3:05 PM - 3:30 PM
Session II. CTO
Moderators: Amr Kamal, Mohamed Ahmed Sobhy, Sherif Wagdy
Discussants: Ayman Abou El Magd, Ziad A. Ali, Tyrone J. Collins

3:05 PM Case 3: A Challenging CTO Antegrade Case
Case Presenter: Sherif Elbeltagui

3:15 PM Case 4: Antegrade Fenestration and Re Entry A New Technique
Case Presenter: Yasser Sadek
### 3:25 PM  Roundtable Discussion

### 3:30 PM - 4:00 PM  Session III. Multivessel With High Euro Score
Moderators: Amr Kamal, Mohamed Ahmed Sobhy, Sherif Wagdy  
Discussants: George D. Dangas, Hossam I. Kandil, Mahmoud Soliman

#### 3:30 PM  Case 5: ACS And Multivessel Disease  
Case Presenter: Mohamed Loutfi

#### 3:40 PM  Case 6: NSTEMI and Multivessel Disease  
Case Presenter: Mohamed Setiha

#### 3:50 PM  Roundtable Discussion

#### 3:55 PM  Summary and Take Home Messages  
Lecturers: Ori Ben-Yehuda

---

### SPECIAL SESSION: TCT RUSSIA

**SATURDAY, SEPTEMBER 22, 2018**  
3:00 PM - 5:00 PM  
Presentation Theater 1, Hall B2, Ground Level

**3:00 PM - 5:00 PM  Complex Interventional Procedures in the High-risk Patient: A Case-Based Symposium in Collaboration With TCT Russia**  
Moderators: Bagrat Alekyan, Juan F. Granada  
Discussants: Vladimir Ganyukov, Samir R. Kapadia, Zaza Kavteladze, Roxana Mehran, Jeffrey W. Moses, Alex Nikanorov, Roman Tarasov, Narek Zakaryan

#### 3:00 PM  Introduction  
Lecturers: Jeffrey W. Moses

#### 3:05 PM  Featured Lecture: Hemodynamic Support in Complex Interventional Procedures  
Clinical Indications Available Devices and Clinical Outcomes  
Lecturers: Jeffrey W. Moses

#### 3:15 PM  Case Presentation: Complex Left Main and Retrograde Right Coronary Recanalization Procedure  
Case Presenter: Narek Zakaryan

#### 3:25 PM  Case Presentation: ECMO Assisted TAVR  
Case Presenter: Vladimir Ganyukov

#### 3:35 PM  Roundtable Discussion

#### 3:45 PM  Featured Lecture: The High risk Patient: Risk Assessment and Current Recommendations for DAPT and OAC  
Lecturers: Roxana Mehran

#### 3:55 PM  Case Presentation: Hybrid Approach in Treatment of Patient With Critical Aortic Stenosis Unprotected Left Main Lesion and Stomach Cancer  
Case Presenter: Bagrat Alekyan

#### 4:05 PM  Case Presentation: Endovascular Interventions Following Large Open Surgery  
Case Presenter: Zaza Kavteladze

#### 4:15 PM  Roundtable Discussion

#### 4:25 PM  Featured Presentation: Simultaneous LAA Closure With Structural Heart Procedures  
Indications and Postinterventional Management  
Lecturers: Samir R. Kapadia

#### 4:35 PM  Case Presentation: Stenting of the Right Ventricular Outflow Tract in a Child With Tetralogy of Fallot: Clinical Results and Histological Data of the Explanted Stent  
Case Presenter: Roman Tarasov

#### 4:45 PM  Roundtable Discussion

#### 4:55 PM  Take home Messages  
Lecturers: Bagrat Alekyan

---

### SPECIAL SESSION: DISCUSSIONS WITH THE LATE BREAKING TRIAL PRINCIPAL INVESTIGATORS I

**SATURDAY, SEPTEMBER 22, 2018**  
5:00 PM - 6:00 PM  
Ballroom 6A, Upper Level

**5:00 PM - 6:00 PM  Discussions With the Late Breaking Trial Principal Investigators I**
Moderators: Sripal Bangalore, Christopher J. White  

5:00 PM  **BIONYX: Summary and Clinical Implications**  
Lecturers: Clemens von Birgelen

5:05 PM  Discussion

5:15 PM  **TALENt: Summary and Clinical Implications**  
Lecturers: Patrick W. Serruys

5:20 PM  Discussion

5:30 PM  **ReCre8: Summary and Clinical Implications**  
Lecturers: Pieter R. Stella

5:35 PM  Discussion

5:45 PM  **IMPERIAL: Summary and Clinical Implications**  
Lecturers: William A. Gray

5:50 PM  Discussion

---

**PRESENTATION THEATER PROGRAM:**  
LOTUS EDGE AND ACURATE NEO2 AND SENTINEL CEREBRAL PROTECTION SYSTEM: NEXT-GENERATION TAVR  
(SPONSORED BY BOSTON SCIENTIFIC CORPORATION)

**SATURDAY, SEPTEMBER 22, 2018**  
11:30 AM - 12:30 PM

Presentation Theater 4

11:30 AM - 12:30 PM  
**LOTUS Edge and ACURATE neo2 and Sentinel Cerebral Protection System: Next-Generation TAVR**  
*Chairs:* Ted Feldman  
*Faculty:* Robert Gooley, Helge Möllmann, Michael J. Reardon, Michael J. Rinaldi, Julia Seeger

11:30 AM  The Ulm University Experience With Sentinel  
Lecturers: Julia Seeger

11:35 AM  Sentinel: A Real World Experience

11:45 AM  LOTUS Edge: Cutting Edge Experience  
Lecturers: Robert Gooley

11:55 AM  **ACURATE neo2: Building the Evidence**  
Lecturers: Helge Möllmann

12:05 PM  The Future Clinical Trial Landscape of TAVR  
Lecturers: Michael J. Reardon

12:15 PM  Panel Discussion  
*Moderators:* Ted Feldman  
*Discussants:* Robert Gooley, Helge Möllmann, Michael J. Reardon, Michael J. Rinaldi, Julia Seeger

12:28 PM  Wrap Up  
Lecturers: Ted Feldman

12:30 PM  Adjourn

---

**PRESENTATION THEATER PROGRAM:**  
MAGMARIS MAGNESIUM RMS: IN A CLASS OF ITS OWN (SPONSORED BY BIOTRONIK)

**SATURDAY, SEPTEMBER 22, 2018**  
11:30 AM - 12:30 PM

Presentation Theater 5

11:30 AM - 12:30 PM  
**Magmaris Magnesium RMS: In a Class of Its Own**  
*Co Chairs:* Michael Haude, Ron Waksman  
*Faculty:* Stefano Galli, Michael Joner, Michael Kang-Yin Lee

11:30 AM  Why do we need scaffolds  
Lecturers: Michael Haude

11:40 AM  Discussion
11:45 AM  Magmaris: Reducing the risk of neoatherosclerosis
Lecturers: Michael Joner

11:55 AM  Discussion

12:03 PM  Neointimal Healing Evaluated by Optical Coherence Tomography after Drug Eluting Absorbable Metal Scaffold Implantation in denovo Native Coronary Lesions
Lecturers: Parsi Karjalainen

12:10 PM  Discussion

12:15 PM  New clinical insights from BIOSOLVE IV
Lecturers: Michael Kang-Yin Lee

12:23 PM  Discussion

12:28 PM  Key learnings and take away
Lecturers: Ron Waksman

12:30 PM  Adjourn

PRESENTATION THEATER PROGRAM: TRANSRADIAL ANGIO CLUB - COMPLEX CORONARY INTERVENTIONS SYMPOSIUM (SPONSORED BY CORDIS, A CARDINAL HEALTH COMPANY)

SATURDAY, SEPTEMBER 22, 2018
11:30 AM - 12:30 PM
Presentation Theater 3

PRESENTATION THEATER PROGRAM: LEADING THE WAY AS TAVR BECOMES THE GOLD-STANDARD FOR TREATING AS (A CASE-BASED DISCUSSION) (SPONSORED BY CRF, SUPPORTED BY EDWARDS LIFESCIENCES)

SATURDAY, SEPTEMBER 22, 2018
1:00 PM - 2:00 PM
Presentation Theater 1

1:00 PM - 2:00 PM  Leading the Way as TAVR Becomes the Gold-Standard for Treating AS (A Case-Based Discussion)
Co Chairs: Martin B. Leon, John G. Webb
Faculty: Megan Coylewright, Tsuyoshi Kaneko, Sandra Lauck, Wilson Y. Szeto, Vinod H. Thourani, David A. Wood

2:00 PM  Final Thoughts  Adjourn

PRESENTATION THEATER PROGRAM: PREPARE TO SUCCEED IN COMPLEX PCI: CASE-BASED INSIGHTS FOR TECHNICAL SUCCESS THROUGH ADVANCED GUIDANCE AND TREATMENT TOOLS (SPONSORED BY PHILIPS)

SATURDAY, SEPTEMBER 22, 2018
1:00 PM - 2:00 PM
Presentation Theater 5

PRESENTATION THEATER PROGRAM: THE CASE FOR COMPLETE CEREBRAL EMBOLIC PROTECTION - REFLECT (SPONSORED BY KEYSTONE HEART, LTD.)

SATURDAY, SEPTEMBER 22, 2018
1:00 PM - 2:00 PM
Presentation Theater 4

1:00 PM  The Case for Complete Cerebral Embolic Protection - REFLECT
Chairs: Alexandra J. Lansky, Tamim Nazif
Faculty: Abhijeet Doble, MD, John K. Forrest, Michael J. Mack, Raj Makkar, Jeffrey W. Moses, Joachim Schofer, Rahul Sharma, Pieter R. Stella

1:00 PM  Current Cerebral Embolic Protection Landscape  Keystone Heart TriGUARD Data Review
Lecturers: Jeffrey W. Moses

1:10 PM  REFLECT Clinical Update with TriGUARD 3
Lecturers: Tamim Nazif
### PRESENTATION THEATER PROGRAM: THE RADIANCE GLOBAL CLINICAL TRIAL PROGRAM: THE FUTURE OF RENAL DENERVATION IS SOUND! (SPONSORED BY RECOR MEDICAL)

**SATURDAY, SEPTEMBER 22, 2018**
**1:00 PM - 2:00 PM**
Presentation Theater 3

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
</table>
| 1:00 PM | Introduction to Session  
Lecturers: Ajay J. Kirtane |
| 1:05 PM | RADIANCE HTN SOLO off medication cohort: in depth analysis of primary efficacy and safety outcomes  
Lecturers: Ajay J. Kirtane |
| 1:15 PM | Q A  |
| 1:20 PM | RDN procedure with the ReCor Paradise technology: anatomy treatment location procedure standardization and simplicity  
Lecturers: Felix Mahfoud |
| 1:35 PM | Q A  |
| 1:40 PM | Clinical Context of SOLO Results and the RADIANCE Global Clinical Trial Program  
Lecturers: Melvin D. Lobo |
| 1:55 PM | Q A Close session |
| 2:00 PM | Adjourn |

### PRESENTATION THEATER PROGRAM: TREATING LOWER LIMB DISEASE WITH SUPERA: OVERVIEW AND CASE EXAMPLES (SPONSORED BY ABBOTT)

**SATURDAY, SEPTEMBER 22, 2018**
**1:00 PM - 2:00 PM**
Presentation Theater 2

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
</table>
| 1:00 PM | Welcome  
Lecturers: Sahil A. Parikh |
| 1:05 PM | Supera Overview Case Examples  
Lecturers: Ethan C Korngold |
| 1:35 PM | Supera Case Examples  
Lecturers: Sahil A. Parikh |
| 1:50 PM | Closing and Remarks  
Lecturers: Ethan C Korngold, Sahil A. Parikh |
| 2:00 PM | Adjourn |

### TRAINING: ABBOTT PAVILION #1 - MITRAL CLIP NTR & XTR: DEVICE & PROCEDURAL TECHNIQUES

**SATURDAY, SEPTEMBER 22, 2018**
**8:00 AM - 9:30 AM**
ABBOTT PAVILION, Interactive Training Workshops (Sails Pavilion), Upper Level
**MitraClip NTR & XTR: Device & Procedural Techniques**
Interactive Training Faculty: Gorav Ailawadi, Anita Asgar, Wayne B. Batchelor, Bob Burke, Steve Burstoe, Bassem Chehab, Paolo Denti, Nicolas Dumonteil, Rodrigo Estevez-Loureiro, GEORGE GELLERT, Carmelo Grasso, James B. Hermiller Jr, Scott Lim, Paul D. Mahoney, Moody M Makar, Andrew Morse, Ahmed Mustafa, Mark J. Ricciardi, Michael J. Rinaldi, David G. Rizik, Evelio Rodriguez, Joshua Rovin, Gagan D Singh, Thomas Smith, Maurizio Taramasso

**TRAINING: BOSTON SCIENTIFIC PAVILION #1 - IMAGING/PHYSIOLOGY: OPTIMIZE PCI - NEW PHYSIOLOGIC INDICES AND HIGH DEFINITION IVUS**

**SATURDAY, SEPTEMBER 22, 2018**
8:00 AM - 9:30 AM
BOSTON SCIENTIFIC PAVILION, Interactive Training Workshops (Sails Pavilion), Upper Level

**TRAINING: CHIP - ADVANCED PCI TECHNIQUES PAVILION #1 - PREPARE TO SUCCEED IN COMPLEX PCI**

**SATURDAY, SEPTEMBER 22, 2018**
8:00 AM - 9:30 AM
CHIP PAVILION, Interactive Training Workshops (Sails Pavilion), Upper Level

**TRAINING: ENDOVASCULAR PAVILION #1 - TIBIOPEDAL ACCESS**

**SATURDAY, SEPTEMBER 22, 2018**
8:00 AM - 9:30 AM
ENDOVASCULAR PAVILION, Interactive Training Workshops (Sails Pavilion), Upper Level

**TRAINING: HEMODYNAMIC SUPPORT AND PATIENT MANAGEMENT PAVILION #1 - LARGE BORE ACCESS AND CLOSURE**

**SATURDAY, SEPTEMBER 22, 2018**
8:00 AM - 9:30 AM
HEMODYNAMIC PAVILION, Interactive Training Workshops (Sails Pavilion), Upper Level
Hands on Percutaneous Axillary AccessLarge Bore Access and Closure

TRAINING: INTERVENTIONAL IMAGING PAVILION #1 - TRANS-SEPTAL CROSSING FOR LAA USING TEE AND 3D VOLUME ICE

SATURDAY, SEPTEMBER 22, 2018
8:00 AM - 9:30 AM
CHIP-Advanced PCI Techniques Pavilion, Interactive Training Workshop, Upper Level

8:00 AM - 9:30 AM
Trans-septal Crossing for LAA Using TEE and 3D Volume ICE
Interactive Training Faculty: Isaac George, Rebecca T. Hahn, Ignacio Inglessis-Azuaje, Brij Maini, Robert J. Sommer, Torsten P. Vahl

TRAINING: MEDTRONIC PAVILION #1 - STRUCTURAL HEART: TAVR IN BICUSPID AORTIC VALVE TRAINING WORKSHOP

SATURDAY, SEPTEMBER 22, 2018
8:00 AM - 9:30 AM
MEDTRONIC PAVILION, Interactive Training Workshops (Sails Pavilion), Upper Level

8:00 AM - 9:30 AM
Structural Heart: TAVR in Bicuspid Aortic Valve Training Workshop
Interactive Training Faculty: Basel Ramlawi

8:00 AM
Introduction
8:05 AM
Overview of Bicuspid Aortic Valve Disease State
8:25 AM
Identification and Classification of Bicuspid Aortic Valves
8:45 AM
Sizing methodology controversies and Procedural Considerations for Performing TAVR in Bicuspid

TRAINING: TAVR PAVILION #1 - ADVANCING ANESTHESIA CARE

SATURDAY, SEPTEMBER 22, 2018
8:00 AM - 9:30 AM
TAVR PAVILION, Interactive Training Workshops (Sails Pavilion), Upper Level

8:00 AM - 9:30 AM
Advancing Anesthesia Care
Interactive Training Faculty: Saif Anwaruddin, GEORGE GELLERT, Chad Kliger, William M Suh

TRAINING: ABBOTT PAVILION #2 - NOW THAT I SEE IT, I KNOW HOW TO TREAT IT! A HANDS-ON SKILLS LAB

SATURDAY, SEPTEMBER 22, 2018
10:00 AM - 11:30 AM
ABBOTT PAVILION, Interactive Training Workshops (Sails Pavilion), Upper Level

10:00 AM - 11:30 AM
Now That I See It, I Know How to Treat It! A Hands-On Skills Lab
Interactive Training Faculty: Ziad A. Ali, Hiram G. Bezerra, Jonathan M. Hill, Vamsi Krishsna, Bruce McLellan, Evan Shlofmitz, Richard Shlofmitz

10:00 AM
OCT: Now that I see it Presentation

TRAINING: BOSTON SCIENTIFIC PAVILION #2 - IMAGING/PHYSIOLOGY: OPTIMIZE PCI - NEW PHYSIOLOGIC INDICES AND HIGH DEFINITION IVUS

SATURDAY, SEPTEMBER 22, 2018
10:00 AM - 11:30 AM
BOSTON SCIENTIFIC PAVILION, Interactive Training Workshops (Sails Pavilion), Upper Level

10:00 AM - 11:30 AM
Now That I See It, I Know How to Treat It! A Hands-On Skills Lab
Interactive Training Faculty: Haider A. Emtia, Hiram G. Bezerra, Jonathan M. Hill, Vamsi Krishsna, Bruce McLellan, Evan Shlofmitz, Richard Shlofmitz
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:00 AM</td>
<td>Welcome Remarks</td>
</tr>
<tr>
<td>10:05 AM</td>
<td>Coronary physiology toolbox and new options in non hyperemic pressure ratios NHPR</td>
</tr>
<tr>
<td>10:12 AM</td>
<td>When to use what in coronary physiology</td>
</tr>
<tr>
<td>10:19 AM</td>
<td>FFR best practices and common artifacts</td>
</tr>
<tr>
<td>10:27 AM</td>
<td>HD IVUS in complex cases</td>
</tr>
</tbody>
</table>

**TRAINING: CHIP - ADVANCED PCI TECHNIQUES PAVILION #2 - PREPARE TO SUCCEED IN COMPLEX PCI**

**SATURDAY, SEPTEMBER 22, 2018**

10:00 AM - 11:30 AM  
CHIP PAVILION, Interactive Training Workshops (Sails Pavilion), Upper Level

**TRAINING: ENDOVASCULAR PAVILION #2 - TIBIOPEDAL ACCESS**

**SATURDAY, SEPTEMBER 22, 2018**

10:00 AM - 11:30 AM  
ENDOVASCULAR PAVILION, Interactive Training Workshops (Sails Pavilion), Upper Level

10:00 AM - 11:30 AM  
**BTK (Tibiopedal Access) Session II**  
Interactive Training Faculty: Philip Green, Karthik R. Gujja, Steve Henao, Arthur C. Lee, Luis Mariano Palena, Justin A. Ratcliffe, Anish Thomas, Ramzan Zakir

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:00 AM</td>
<td>Video Introduction: The Need for Guided Alternate Access Tibiopedal Antegrade</td>
</tr>
</tbody>
</table>

**TRAINING: HEMODYNAMIC SUPPORT AND PATIENT MANAGEMENT PAVILION #2 - CARDIOGENIC SHOCK (NCSI)**

**SATURDAY, SEPTEMBER 22, 2018**

10:00 AM - 11:30 AM  
HEMODYNAMIC PAVILION, Interactive Training Workshops (Sails Pavilion), Upper Level

10:00 AM - 11:30 AM  
**Cardiogenic Shock: The National Cardiogenic Shock Initiative**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
</table>
| 10:00 AM | NCSI: Improving Outcomes in Cardiogenic Shock  
Interactive Training Faculty: William W. O’Neill |
| 10:30 AM | ICU Management: Positioning Troubleshooting EscalationHands On  
Interactive Training Faculty: Salvatore F. Mannino |
| 11:00 AM | Treating the Shock Patient: Choosing the Optimal Support Device Harvi SimulationHands OnPAC Use and Interpretation  
Interactive Training Faculty: Navin K. Kapur |

**TRAINING: INTERVENTIONAL IMAGING PAVILION #2 - TRANS-SEPTAL CROSSING FOR LAA USING TEE AND 3D VOLUME ICE**

**SATURDAY, SEPTEMBER 22, 2018**

10:00 AM - 11:30 AM  
Interventional Imaging Pavilion, Interactive Training Workshop, Upper Level

10:00 AM - 11:30 AM  
**Trans-septal Crossing for LAA Using TEE and 3D Volume ICE**  
Interactive Training Faculty: Isaac George, Ignacio Inglessis-Azuaje, Chad Kliger, Brij Maini, Paul Sorajja, Torsten P. Vahl

**TRAINING: MEDTRONIC PAVILION #2 - PV-SFA INTERVENTION IN COMPLEX LESIONS**
**PV-SFA Intervention in Complex Lesions**
Interactive Training Faculty: Samer Abbas, S. Hinan Ahmed, Dmitriy N. Feldman

10:00 AM - 11:30 AM

- **10:00 AM** Introduction
- **10:05 AM** Understanding Complex Lesions in the SFA and Treatment Options for your Patients
- **10:45 AM** Hands on Rotations PADMan hands on model with Directional Atherectomy

**TRAINING: TAVR PAVILION #2 - UNDERSTANDING THV HEMODYNAMICS AND DURABILITY**

10:00 AM - 11:30 AM

- **Understanding THV Hemodynamics and Durability**
  Interactive Training Faculty: Pamela S. Douglas, Rebecca T. Hahn, Vinod H. Thourani, Neil J. Weissman

**TRAINING: ABBOTT PAVILION #3 - GUIDEWIRE DESIGN AND SELECTION: A HANDS-ON USER'S GUIDE TO GUIDE WIRE TECHNOLOGY**

12:00 PM - 1:30 PM

  Interactive Training Faculty: David Daniels, Jack Hall, Amir Kaki, William Nicholson, Robert F. Riley
  - **12:00 PM** Introduction
  - **12:05 PM** Didactic on Guidewire Building Blocks and WH wires
  - **12:15 PM** Hands on Workhorse Wires Activity
  - **12:30 PM** Polymer Jacketed Wires Overview and Hands on Activity
  - **12:50 PM** Extra Support Specialty wires Overview and Hands on Activity
  - **1:10 PM** Wiggle wire Overview and Hands on Activity

**TRAINING: BOSTON SCIENTIFIC PAVILION #3 - OPTIMIZATION OF DRUG ELUTION IN THE SFA: RESULTS FROM THE WORLD S 1ST HEAD-TO-HEAD DES TRIAL IN PVD ELUVIA VS ZILVER PTX**

12:00 PM - 1:30 PM

- **Optimization of Drug Elution in the SFA: Update on the World S 1st Head-to-head DES Trial in PVD Eluvia vs Zilver PTX**
  Interactive Training Faculty: William A. Gray, Robert A. Lookstein, Sahil A. Parikh
  - **12:00 PM** Welcome Remarks
  - **12:05 PM** Imperial Clinical Trial Update and The Science Behind Eluvia
  - **12:30 PM** When to Consider Atherectomy Vessel Prep Prior to Drug Eluting Therapies
Physician Panel Discussion

TRAINING: MEDTRONIC PAVILION #3 - CORONARY: OPTIMIZING OUTCOMES IN PATIENTS WITH BIFURCATION LESIONS

SATURDAY, SEPTEMBER 22, 2018
12:00 PM - 1:30 PM
MEDTRONIC PAVILION, Interactive Training Workshops (Sails Pavilion), Upper Level

12:00 PM - 1:30 PM
Coronary: Optimizing Outcomes in Patients With Bifurcation Lesions
Interactive Training Faculty: Adrian P. Banning, Francesco Burzotta, David Hildick-Smith, Jens Flensted Lassen

12:00 PM  Introduction
12:05 PM  Bifurcations a Complex Lesion Subset
12:30 PM  Bifurcation Treatment Techniques
1:00 PM   The Left Main
1:15 PM   Case Discussions QA

TRAINING: ABBOTT PAVILION #4- SAVE THAT SIDE BRANCH! PRESERVING SIDE BRANCH ACCESS: A HANDS-ON PRACTICAL SKILLS LAB

SATURDAY, SEPTEMBER 22, 2018
2:00 PM - 3:30 PM
ABBOTT PAVILION, Interactive Training Workshops (Sails Pavilion), Upper Level

2:00 PM - 3:30 PM
Save That Side Branch! Preserving Side Branch Access: A Hands-on Practical Skills Lab
Interactive Training Faculty: Emmanouil S. Brilakis, Jean-François Tanguay, Nick E. J. West, Jason Wollmuth

2:00 PM  Introduction
2:05 PM  SBA Technique Overview and Hand On Guided Session
         Technique 1
2:45 PM  SBA Technique Overview and Hand On Guided Session
         Technique 2
3:25 PM  Wrap Up

TRAINING: BOSTON SCIENTIFIC PAVILION #4 - OPTIMIZATION OF DRUG ELUTION IN THE SFA: RESULTS FROM THE WORLD S 1ST HEAD-TO-HEAD DES TRIAL IN PVD  ELUVIA VS ZILVER PTX

SATURDAY, SEPTEMBER 22, 2018
2:00 PM - 3:30 PM
BOSTON SCIENTIFIC PAVILION, Interactive Training Workshops (Sails Pavilion), Upper Level

2:00 PM - 3:30 PM
Optimization of Drug Elution in the SFA: Update on the World S 1st Head-to-head DES Trial in PVD  Eluvia vs Zilver PTX
Interactive Training Faculty: Gary M. Ansel, William A. Gray, Craig M. Walker

2:00 PM  Welcome Remarks
2:05 PM  Imperial Clinical Trial Update and The Science Behind Eluvia
2:30 PM  When to Consider Atherectomy Vessel Prep Prior to Drug Eluting Therapies
2:45 PM  Physician Panel Discussion

TRAINING: CHIP - ADVANCED PCI TECHNIQUES PAVILION #3 - UNDERSTANDING AND PREPARING FOR NEW STRUCTURAL HEART DISEASE INTERVENTIONS
SATURDAY, SEPTEMBER 22, 2018
2:00 PM - 3:30 PM
CHIP PAVILION, Interactive Training Workshops (Sails Pavilion), Upper Level

TRAINING: ENDOVASCULAR PAVILION #3 - TIPOEDAL ACCESS

SATURDAY, SEPTEMBER 22, 2018
2:00 PM - 3:30 PM
ENDO VASCULAR PAVILION, Interactive Training Workshops (Sails Pavilion), Upper Level

2:00 PM - 3:30 PM
BTK (Tibiopedal Access) Session III
Interactive Training Faculty: Beau Hawkins, Vishal Kapur, Tak W. Kwan, Arthur C. Lee, Jun Li, Francesco Maisano, S. Jay Mathews, Kevin Rogers

2:00 PM
Video Introduction: The Need for Guided Alternate Access Tibiopedal Antegrade

TRAINING: HEMODYNAMIC SUPPORT AND PATIENT MANAGEMENT PAVILION #3 - TEACH INTRO

SATURDAY, SEPTEMBER 22, 2018
2:00 PM - 3:30 PM
HEMODYNAMIC PAVILION, Interactive Training Workshops (Sails Pavilion), Upper Level

2:00 PM - 3:30 PM
TEACH: Training and Education in Advanced Cardiovascular Hemodynamics

2:00 PM
TEACH Intro
Interactive Training Faculty: Daniel Burkhoff

2:20 PM
Simulated Cases on HRPCI Hands On
Interactive Training Faculty: John M. Lasala

3:00 PM
Simulated Cases on AMICGS Hands On
Interactive Training Faculty: Perwaiz M. Meroj

TRAINING: INTERVENTIONAL IMAGING PAVILION #3 - TRANS-SEPTAL CROSSING FOR MITRAL USING TEE AND 3D VOLUME ICE

SATURDAY, SEPTEMBER 22, 2018
2:00 PM - 3:30 PM
Interventional Imaging Pavilion, Interactive Training Workshop, Upper Level

2:00 PM - 3:30 PM
Trans-septal Crossing for Mitral Using TEE and 3D Volume ICE
Interactive Training Faculty: Isaac George, Rebecca T. Hahn, Chad Kliger, Brij Maini, Tamim Nazif, Torsten P. Vahl

TRAINING: MEDTRONIC PAVILION #4 - STRUCTURAL HEART: FUNDAMENTALS OF CARDIAC ANATOMY AND IMAGING CORRELATION

SATURDAY, SEPTEMBER 22, 2018
2:00 PM - 3:30 PM
MEDTRONIC PAVILION, Interactive Training Workshops (Sails Pavilion), Upper Level

2:00 PM - 3:30 PM
Structural Heart: Fundamentals of Cardiac Anatomy and Imaging Correlation
Interactive Training Faculty: João L Cavalcante, Basel Ramlawi

2:00 PM
Introduction

2:05 PM
Anatomy Overview using Various Imaging Modalities for Structural Heart Procedures

TRAINING: TAVR PAVILION #3 - ADVANCING EFFICIENCY IN TAVR
SATURDAY, SEPTEMBER 22, 2018
2:00 PM - 3:30 PM
TAVR PAVILION, Interactive Training Workshops (Sails Pavilion), Upper Level

2:00 PM - 3:30 PM
Advancing Efficiency in TAVR
Interactive Training Faculty: David J. Cohen, Patricia Keegan, David A. Wood

TRAINING: ABBOTT PAVILION #5 - LARGE BORE ACCESS TO CLOSE: WHAT YOU WANT (AND NEED!!) TO KNOW

SATURDAY, SEPTEMBER 22, 2018
4:00 PM - 5:30 PM
ABBOTT PAVILION, Interactive Training Workshops (Sails Pavilion), Upper Level

4:00 PM - 5:30 PM
Large Bore Access to Close: What You Want (and Need!!) to Know
Interactive Training Faculty: Adhir Shroff

  4:00 PM  Introduction: Access Planning and Management of Complications Review
  4:20 PM  Hands on Device Deployment

TRAINING: BOSTON SCIENTIFIC PAVILION #5 - OPTIMIZATION OF DRUG ELUTION IN THE SFA: RESULTS FROM THE WORLD'S 1ST HEAD-TO-HEAD DES TRIAL IN PVD  ELUVIA VS ZILVER PTX

SATURDAY, SEPTEMBER 22, 2018
4:00 PM - 5:30 PM
BOSTON SCIENTIFIC PAVILION, Interactive Training Workshops (Sails Pavilion), Upper Level

4:00 PM - 5:30 PM
Optimization of Drug Elution in the SFA: Update on the World's 1st Head-to-Head DES Trial in PVD  Eluvia vs Zilver PTX
Interactive Training Faculty: Gary M. Ansel, Nicolas W Shammas, Craig M. Walker

  4:00 PM  Welcome Remarks
  4:05 PM  Imperial Clinical Trial Update and The Science Behind Eluvia
  4:30 PM  When to Consider Atherectomy Vessel Prep Prior to Drug Eluting Therapies
  4:45 PM  Physician Panel Discussion

TRAINING: CHIP - ADVANCED PCI TECHNIQUES PAVILION #4 - UNDERSTANDING AND PREPARING FOR NEW STRUCTURAL HEART DISEASE INTERVENTIONS

SATURDAY, SEPTEMBER 22, 2018
4:00 PM - 5:30 PM
CHIP PAVILION, Interactive Training Workshops (Sails Pavilion), Upper Level

TRAINING: ENDOVASCULAR PAVILION #4 - TIBIOPEDAL ACCESS

SATURDAY, SEPTEMBER 22, 2018
4:00 PM - 5:30 PM
ENDOVASCULAR PAVILION, Interactive Training Workshops (Sails Pavilion), Upper Level

4:00 PM - 5:30 PM
BTK (Tibiopedal Access) Session IV
Interactive Training Faculty: George S Chrysant, Tony Das, Larry J. Diaz, Vishal Kapur, Ethan C Korngold, Tak W. Kwan, Jun Li, S. Jay Mathews

  4:00 PM  Video Introduction: The Need for Guided Alternate Access Tibiopedal Antegrade
TRAINING: HEMODYNAMIC SUPPORT AND PATIENT MANAGEMENT PAVILION #4 - COMPLEX PROTECTED PCI

SATURDAY, SEPTEMBER 22, 2018
4:00 PM - 5:30 PM
HEMODYNAMIC PAVILION, Interactive Training Workshops (Sails Pavilion), Upper Level

4:00 PM - 5:30 PM
Complex Protected PCI

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Faculty</th>
</tr>
</thead>
<tbody>
<tr>
<td>4:00 PM</td>
<td>Patient Identification</td>
<td>Hiram G. Bezerra</td>
</tr>
<tr>
<td>4:20 PM</td>
<td>Simulated Cases on HRPCI Hands On</td>
<td>Mauricio G. Cohen, Duane S. Pinto</td>
</tr>
<tr>
<td>4:55 PM</td>
<td>InsertionRepositioning: Hands On</td>
<td>Paul D. Mahoney, Adhir Shroff</td>
</tr>
</tbody>
</table>

TRAINING: INTERVENTIONAL IMAGING PAVILION #4 - TRANS-SEPTAL CROSSING FOR MITRAL USING TEE AND 3D VOLUME ICE

SATURDAY, SEPTEMBER 22, 2018
4:00 PM - 5:30 PM
Interventional Imaging Pavilion, Interactive Training Workshop, Upper Level

4:00 PM - 5:30 PM
Trans-septal Crossing for Mitral Using TEE and 3D Volume ICE
Interactive Training Faculty: Isaac George, Ignacio Inglessis-Azuaje, Chad Kliger, Brij Maini, Paul Sorajja

TRAINING: MEDTRONIC PAVILION #5 - CORONARY: DO SIZE AND SHAPE MATTER? HOW TO CHOOSE THE RIGHT DIAGNOSTIC AND GUIDE CATHETERS?

SATURDAY, SEPTEMBER 22, 2018
4:00 PM - 5:30 PM
MEDTRONIC PAVILION, Interactive Training Workshops (Sails Pavilion), Upper Level

4:00 PM - 5:30 PM
Coronary: Do Size and Shape Matter? How to Choose the Right Diagnostic and Guide Catheters?
Interactive Training Faculty: Mitchell W. Krucoff, Sunil V. Rao

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>4:00 PM</td>
<td>Introduction</td>
</tr>
<tr>
<td>4:05 PM</td>
<td>Case Based Learning</td>
</tr>
<tr>
<td>4:45 PM</td>
<td>QA and Simulator Hands on</td>
</tr>
</tbody>
</table>

TRAINING: TAVR PAVILION #4 - HOW TO APPROACH AORTIC AND MITRAL VALVE-IN-VALVE

SATURDAY, SEPTEMBER 22, 2018
4:00 PM - 5:30 PM
TAVR PAVILION, Interactive Training Workshops (Sails Pavilion), Upper Level

4:00 PM - 5:30 PM
How to Approach Aortic and Mitral Valve-in-Valve
Interactive Training Faculty: Vinayak Bapat, Bassem Chehab, Paul D. Mahoney, John G. Webb

INTERNATIONAL SESSION: CHALLENGING PCI CASES AND SCENARIOS IN MY COUNTRY, PRESENTED BY THE HONG KONG COLLEGE OF CARDIOLOGY, BANGLADESH SOCIETY OF CARDIOVASCULAR INTERVENTION, TUNISIAN WORKING GROUP ON INTERVENTIONAL CARDIOLOGY (GTCI), EMIRATES CARDIAC SOCIETY
10:00 AM - 11:30 AM
Room 24A-B, Upper Level

10:00 AM - 11:30 AM
Session I. Giant Thrombus During Primary PCI in STEMI
Moderators: Ngai-Yin Chan, Afzalur Rahman
Discussants: Khaldoun Ben Hamdo, Habib Gamra, N A M Momenuzzaman, Abdullah Shehab

10:00 AM
Introduction
Lecturers: Afzalur Rahman

10:05 AM
Introduction: A Case of a Very Large and Persistent Thrombus
Lecturers: Kam-Tim Chan

10:10 AM
How Would I Treat This Case
Lecturers: Kaisar Nasrullah Khan

10:15 AM
How Did I Actually Treat This Case
Lecturers: Kam-Tim Chan

10:20 AM
Roundtable Discussion With Audience QA
Lecturers: N A M Momenuzzaman

10:25 AM
Introduction: A Case of No Reflow During Primary PCI
Lecturers: Afzalur Rahman

10:30 AM
How Would I Treat This Case
Lecturers: Chris Kwok Yiu Wong

10:35 AM
How Did I Actually Treat This Case
Lecturers: Afzalur Rahman

10:40 AM
Roundtable Discussion With Audience QA
Lecturers: Ngai-Yin Chan

10:45 AM - 11:30 AM
Session II: Primary PCI for STEMI in Patients With Multivessel Disease
Moderators: Khaldoun Ben Hamdo, Habib Gamra, Abdullah Shehab
Discussants: Ngai-Yin Chan, N A M Momenuzzaman, Afzalur Rahman

10:45 AM
Introduction: A Patient With STEMI and Multivessel Disease
Lecturers: Arif Al Nooryani

10:50 AM
How Would I Treat This Case
Lecturers: Kais Battikh

10:55 AM
How Did I Actually Treat This Patient
Lecturers: Arif Al Nooryani

11:00 AM
Roundtable Discussion With Audience QA
Lecturers: Abdullah Shehab

11:05 AM
Introduction: A Patient With STEMI and Multivessel Disease
Lecturers: Kais Battikh

11:10 AM
How Would I Treat This Patient
Lecturers: Arif Al Nooryani

11:15 AM
How Did I Actually Treat This Patient
Lecturers: Kais Battikh

11:20 AM
Roundtable Discussion With Audience QA
Lecturers: Abdullah Shehab

11:25 AM
Conclusions and Take home Messages
Lecturers: Habib Gamra

INTERNATIONAL SESSION: PRESENT AND FUTURE TREATMENT OF CTO AND TRUE BIFURCATION LESIONS PRESENTED BY THE CZECH ASSOCIATION OF INTERVENTIONAL CARDIOLOGY, SLOVAK SOCIETY OF CARDIOLOGY, GERMAN SOCIETY OF CARDIOLOGY AND THE POLAND CARDIAC SOCIETY

SATURDAY, SEPTEMBER 22, 2018
10:30 AM - 12:30 PM
Room 24C, Upper Level

10:30 AM - 11:30 AM
Session I. True Coronary Bifurcation Lesions
Moderators: Petr Kola, Jochen Wöhrlé
10:30 AM  
**Introduction:** Czech Republic

Lecturers: Petr Kala

10:35 AM  
**Slovakia Presents: Current Knowledge Approach to True Bifurcation Lesions**

Lecturers: Anton Farkas

10:45 AM  
**Poland Presents: Introducing a Very Complex True Bifurcation Lesion**

Case Presenter: Stanislaw Bartus

10:52 AM  
**Czech Republic Comments: How Would I Treat This Case**

Case Presenter: Pavel Cervinka

10:59 AM  
**Poland Presents: How Did I Treat This Case**

Case Presenter: Stanislaw Bartus

11:05 AM  
**Slovakia Presents: Introducing a Complex Case With a True Bifurcation Lesion**

Case Presenter: Milan Dragula

11:12 AM  
**Germany Comments: How Would I Treat This Case**

Case Presenter: Milan Dragula

11:19 AM  
**Slovakia Presents: How Did I Treat This Case**

Case Presenter: Milan Dragula

11:25 AM  
**Conclusion and Take Home Messages**

Lecturers: Jochen Wöhrle

11:30 AM - 12:30 PM  
**Session II. Chronic Total Occlusions**

Moderators: Martin Hudec, Wojtek Wojakowski

Discussants: Petr Kala

11:30 AM  
**Introduction**

Lecturers: Wojtek Wojakowski

11:35 AM  
**Germany Presents: Present and Future Strategies for Recanalizating Chronic Coronary Total Occlusions**

11:45 AM  
**Czech Republic Presents: Introducing a Complex Chronic Total Occlusion**

Case Presenter: Vojtech Novotny

11:52 AM  
**Poland Comments: How Would I Treat This Case**

Case Presenter: Wojtek Wojakowski

11:59 AM  
**Czech Republic Presents: How Did I Treat This Case**

Case Presenter: Vojtech Novotny

12:05 PM  
**Germany Presents: Introducing a Complex Chronic Total Occlusion**

Case Presenter: Julia Seeger

12:12 PM  
**Slovakia Comments: How Would I Treat This Case**

Case Presenter: Martin Hudec

12:19 PM  
**Germany Presents: How Did I Treat This Case**

Case Presenter: Julia Seeger

12:25 PM  
**Conclusion and Take Home Messages**

Lecturers: Martin Hudec

---

**INTERNATIONAL SESSION: MANAGEMENT STRATEGIES IN PCI PATIENTS AT HIGH BLEEDING RISK PRESENTED BY THE WORKING GROUP ON INVASIVE AND INTERVENTIONAL CARDIOLOGY, CROATIAN CARDIAC SOCIETY, WORKING GROUP ON INTERVENTIONAL CARDIOLOGY, BELGIAN WORKING GROUP OF INTERVENTIONAL CARDIOLOGY (BWGIC), AUSTRIAN SOCIETY OF CARDIOLOGY, WORKING GROUP OF INTERVENTIONAL CARDIOLOGY, AND BELARUS WORKING GROUP OF INTERVENTIONAL CARDIOLOGY**

**SATURDAY, SEPTEMBER 22, 2018**

1:30 PM - 3:30 PM

Room 24C, Upper Level

1:30 PM - 3:30 PM  
**Management Strategies in PCI Patients at High Bleeding Risk**

Moderators: Walter Desmet, Guy J. Friedrich

Discussants: Kurt Huber, Eduard Margetic, Oleg Polonetsky

1:30 PM  
**Case Presentation: Chronic Oral Anticoagulant and Antiplatelet Management Decisions**

Case Presenter: Guy J. Friedrich

1:50 PM  
**Bleeding Risk and Management Strategies in Elderly Patients on Chronic Oral Anticoagulation**

Lecturers: Kurt Huber

2:10 PM  
**Can Intracoronary Imaging Guide Antithrombotic Strategy**
Lecturers: Eduard Margetic
2:30 PM  Is There Still a Role for Triple Therapy Based on Recent Studies
Lecturers: Walter Desmet
2:50 PM  Chronic Oral Anticoagulation After Stenting: Strategy in Belarus
Lecturers: Oleg Polonetsky
3:10 PM  Roundtable Discussion With Audience QA

INTERNATIONAL SESSION: CHIP INTERVENTIONS - WORST SCENARIOS AND BEST SAVES AROUND THE WORLD, PRESENTED BY THE INTERNATIONAL SOCIETIES OF EGYPT, KUWAIT, MALAYSIA, COLUMBIA, AND UKRAINE

SATURDAY, SEPTEMBER 22, 2018
3:30 PM - 5:00 PM
Room 24A-B, Upper Level

3:30 PM - 5:00 PM  CHIP Interventions: Worst Scenarios and Best Saves Around The World
Moderators: Ahmed Magdy
Discussants: Magdy Abdelhamid, Mohammad Al-Mutairi, Maxim Sokolov, Jorge Villegas, Rabaayah Zambahari

3:30 PM  Introduction and Session Goals
Lecturers: Ahmed Magdy

3:32 PM  Egypt Presents to Malaysia: Challenges and Strategies for Complex CTO Intervention With Case Studies
Case Presenter: Amr ElHadidy

3:40 PM  Informal Comments: Malaysia Responds to Egypt on Complex CTO Interventions
Lecturers: Ramesh Singh Arjan Singh

3:44 PM  Roundtable Discussion With Audience QA

3:49 PM  Kuwait Presents to Columbia: Complex Left Main Intervention With Severe LV Dysfunction With Case Studies
Case Presenter: Khaled Almerri

3:57 PM  Informal Comments: Columbia Responds to Kuwait on High Risk Complex Left Main Intervention
Lecturers: Pablo Dario Charry Amaya

4:01 PM  Roundtable Discussion With Audience QA

4:06 PM  Malaysia Presents to Ukraine: Primary PCI in STEMI Patient With Aneurysmal CAD and Extensive ThrombusWith Case Studies
Case Presenter: Wn Azman Won Ahmad

4:14 PM  Informal Comments: Ukraine Responds to Malaysia on Complex Primary PCI in STEMI
Lecturers: Liliya Sorokhtey

4:18 PM  Roundtable Discussion With Audience QA

4:23 PM  Colombia Presents to Egypt: Unexpected PCI Complications With Case Studies
Case Presenter: Jorge Villegas

4:31 PM  Informal Comments: Egypt Responds to Columbia on Unexpected PCI Complications
Lecturers: Adel El Etriby

4:35 PM  Roundtable Discussion With Audience QA

4:40 PM  Ukraine Presents to Kuwait: How to Manage Huge Thrombus in STEMI With Case Studies
Case Presenter: Maxim Sokolov

4:48 PM  Informal Comments: Kuwait Responds to Ukraine on Management of Extensive Thrombus During STEMI PCI
Lecturers: Mohammad Al-Mutairi

4:52 PM  Roundtable Discussion With Audience QA

4:57 PM  Wrap up and Take home Messages
Lecturers: Ahmed Magdy

INTERNATIONAL SESSION: PCI 2018 - ARE WE DOING THINGS BETTER THAN WE DID 10 YEARS AGO?  PRESENTED BY SOUTH AFRICAN SOCIETY OF CARDIOVASCULAR INTERVENTION(SASCI), ISRAELI WORKING GROUP FOR INTERVENTIONAL CARDIOLOGY, ITALIAN SOCIETY OF INVASIVE CARDIOLOGY (GISE), AND IRELAND CARDIAC SOCIETY

SATURDAY, SEPTEMBER 22, 2018
3:30 PM - 5:00 PM
Room 24C, Upper Level
PCI 2018: Are We Doing things Better Than We Did 10 Years Ago?
Moderators: David Burke, Graham A. Cassel, Haim Danenberg, Giuseppe Tarantini
Discussants: Yaron Almagor, Riaz S Dawood, Ariel Finkelstein, Jacopo A. Oreglia, Italo Porto

3:30 PM Session Objectives: Challenges and Innovations in the Treatment of Complex Coronary Lesions
Lecturers: Haim Danenberg

3:33 PM Israel Presents a Case: Complex Left Main Coronary Lesion Ready for PCI
Case Presenter: Yaron Almagor

3:41 PM Roundtable Discussion With Audience QA

3:47 PM Italy Presents a Case: True Bifurcation Lesion Have We Gotten Any Better
Case Presenter: Italo Porto

3:55 PM Roundtable Discussion With Audience QA

4:01 PM Ireland Presents a Case: An Intermediate Lesion How to Make the Right Decision
Case Presenter: David Burke

4:09 PM Roundtable Discussion With Audience QA

4:15 PM Israel Presents a Case: A Highly Calcified Lesion Can We Beat the Concrete
Case Presenter: Ariel Finkelstein

4:23 PM Roundtable Discussion With Audience QA

4:29 PM Italy Presents a Case: CTO PCI Whats New
Case Presenter: Jacopo A. Oreglia

4:37 PM Roundtable Discussion With Audience QA

4:43 PM South Africa Presents a Case: High Thrombus Burden How to Treat Without Extending the Damage
Case Presenter: Riaz S Dawood

4:51 PM Roundtable Discussion With Audience QA

4:57 PM Closing Remarks and Take home messages
Lecturers: Giuseppe Tarantini

ORAL ABSTRACTS: HIGHEST PEER-REVIEWED ORAL ABSTRACTS OF TCT 2018 - SPONSORED BY CCI AND EUROINTERVENTION

SATURDAY, SEPTEMBER 22, 2018
8:30 AM - 10:30 AM
Room 29A-B, Upper Level

8:30 AM Highest Peer-Reviewed Oral Abstracts of TCT 2018 - Sponsored by CCI and EuroIntervention
Moderators: Steven R. Bailey, Patrick W. Serruys
Discussants: Michael J. Cowley, George D. Dangas, Vasim Farooq, Marc D. Feldman, Ted Feldman, Glenn Van Langenhove

8:30 AM TCT 1: Optimal Duration of Dual Antiplatelet Therapy After Left Main Coronary Stenting With Everolimus Eluting Stents: Analysis From the EXCEL Trial
Lecturers: Sorin J. Brener

8:40 AM Roundtable Discussion with Audience QA

8:45 AM TCT 2: DeepIVUS: A Machine Learning Framework for Fully Automatic IVUS Segmentation
Lecturers: David Molony

8:55 AM Roundtable Discussion with Audience QA

9:00 AM TCT 3: The Lutonix Global Drug Coated Balloon Registry Real World Patients with Below the Knee Disease Interim 12 Month Outcomes
Lecturers: Iliad Mustapha

9:10 AM Roundtable Discussion with Audience QA

9:15 AM TCT 4: Reduction of Stroke with Use of the Double Filter Cerebral Embolic Protection Device in Patients Undergoing Transfemoral Aortic Valve Replacement With Self Expandable Mechanically Implantable And Balloon Expandable Aortic Valves
Lecturers: Julia Seeger

9:25 AM Roundtable Discussion with Audience QA

9:30 AM TCT 5: Long term Preclinical in VivoResults with a Restorative Aortic Valve
Lecturers: Christian M. Spaulding

9:40 AM Roundtable Discussion with Audience QA

9:45 AM TCT 6: The CENTER Collaboration: Outcomes in Patients Undergoing Transfemoral Transcatheter Aortic Valve Implantation With Balloon Expandable Valves versus Self Expandable Valves
9:55 AM  Roundtable Discussion with Audience QA

10:00 AM  TCT 7: Predictors and Outcomes of Aborted Procedures During Elective Transcatheter Aortic Valve Replacement
Lecturers: Jennifer Rymer

10:10 AM  Roundtable Discussion with Audience QA

10:15 AM  TCT 8: Fate Of Deferred Lesions Using State Of Art Percutaneous Coronary Revascularization In Patients With De Novo Three Vessel Disease: Lesion Level Analysis At 2 Years Of The SYNTAX II Study
Lecturers: Norihiro Kogame

10:25 AM  Roundtable Discussion with Audience QA

MODERATED POSTER SESSION: ABSORB BIORESORBABLE VASCULAR SCAFFOLD STUDIES

SATURDAY, SEPTEMBER 22, 2018
8:30 AM - 9:30 AM
Moderated Posters 8, Exhibit Hall, Ground Level

8:30 AM - 9:30 AM
ABSORB Bioresorbable Vascular Scaffold Studies
Moderators: Yoshinobu Onuma
Discussants: Runlin Gao, Ulf Landmesser, Matthias Lutz, Detlef G. Mathey

8:30 AM  TCT 156: The Absorb Bioresorbable Vascular Scaffolds Demonstrate Lower Wall Shear Stress Compared to Metallic Xience V  Interim Analysis From the ABSORB III Imaging Study
Lecturers: Arnav Kumar

8:37 AM  Discussion

8:42 AM  TCT 157: Pathological Vascular Healing Following Complex Interventions With the Absorb Bioresorbable Vascular Scaffold
Lecturers: Johan Robert Bennett

8:49 AM  Discussion

8:54 AM  TCT 158: Post implantation Strut Protrusion and Neointimal Thickness at Follow Up in Absorb Bioresorbable Scaffold: a Serial Shear Stress Analysis Up to Five Years
Lecturers: Erhan Tenekecioglu

9:01 AM  Discussion

9:06 AM  TCT 159: Endothelial Shear Stress and Local Viscosity Assessment of Coronary Bioresorbable Scaffold  A Five Year Follow Up
Lecturers: Erhan Tenekecioglu

9:13 AM  Discussion

9:18 AM  TCT 160: Attenuated Signal Plaque and Long Term Vessel Response After Bioresorbable Scaffold Implantation: IVUS Insights From the ABSORB Japan Trial
Lecturers: Kozo Okada

9:25 AM  Discussion

MODERATED POSTER SESSION: ACUTE KIDNEY INJURY DURING PERCUTANEOUS INTERVENTIONS (PCI OR TAVR) I

SATURDAY, SEPTEMBER 22, 2018
8:30 AM - 9:30 AM
Moderated Posters 2, Exhibit Hall, Ground Level

8:30 AM - 9:30 AM
Acute Kidney Injury During Percutaneous Interventions (PCI or TAVR) I
Moderators: Antonio L. Bartorelli, Eugenia Nikolsky
Discussants: Ziad A. Ali, Carlo Briguori, Graham A. Cassel, Jose de Ribamar Costa Jr, Hitinder S. Gurm, John A. Spertus

8:30 AM  TCT 126: Percutaneous Coronary Intervention of Chronic Total Occlusions Is Not Associated With a Higher Risk for Contrast Induced NephropathyCompared to Revascularization of Non Occlusive Stenoses
Lecturers: Ozan Demir

8:37 AM  Discussion

8:42 AM  TCT 127: Platelet to Lymphocyte Ratio Neutrophil to Lymphocyte Ratio and Red Cell Distribution Width As Predictors of Contrast InducedAcute Kidney Injury Following Coronary Angiography
Lecturers: Jayakumar Sreenivasan
8:30 AM - 9:30 AM
Best of Moderated TAVR Poster Abstracts I
Moderators: John C. Messenger, Vinod H. Thourani
Discussants: Hemal Gada, Aaron Horne, Jr., Zoltan G. Turi, Torsten P. Vahl, Darren L. Walters

8:30 AM  TCT 121: a Highly Predictive Model for New Permanent Pacemaker Implantation After Transcatheter Aortic Valve Replacement With Contemporary Self-Expanding Valves: Importance of the Membranous Septum Length
Lecturers: Zhen-Gang Zhao

8:37 AM  Discussion

8:42 AM  TCT 122: Acute Kidney Recovery After Transcatheter Aortic Valve Replacement: a Report From the Northern New England Cardiovascular Disease Study Group
Lecturers: Amir Azarbal

8:49 AM  Discussion

8:54 AM  TCT 123: Impact of Delirium on TAVR Outcomes
Lecturers: Brett Hiendlmayr

9:01 AM  Discussion

9:06 AM  TCT 124: Impact of Level of Anaesthesia Using the Vancouver Clinical Pathway for Transcatheter Aortic Valve Replacement: Insights From the 3M TAVR Study
Lecturers: Janarthanan Sathanathan

9:13 AM  Discussion

9:18 AM  TCT 125: Evaluation of EKG Gated and Dual Source Accelerated Computed Tomography Imaging Protocols for Transcatheter Aortic Valve Sizing
Lecturers: Nikolaos Kakouros

9:25 AM  Discussion

MODERATED POSTER SESSION: CATHETER-BASED TREATMENT OF PERIPHERAL VASCULAR DISEASE I

SATURDAY, SEPTEMBER 22, 2018
8:30 AM - 9:30 AM
Moderated Posters 3, Exhibit Hall, Ground Level

8:30 AM - 9:30 AM
Catheter-based Treatment of Peripheral Vascular Disease I
Moderators: William A. Gray
Discussants: Ricardo Allende, Jeffrey G. Carr, George S Chrysant, Alejandro Goldsmit, Beau Hawkins, Schuyler Jones

8:30 AM  TCT 131: Hemopericardium and Cardiac Tamponade As a Complication of Vena Caval Filters: Systematic Review of Published Literature and the MAUDE Database
Lecturers: Behnood Bikdeli
8:37 AM  Discussion
8:42 AM  TCT 132: Balloon Expandable ePTFE Covered Stent for Obstructive Lesions in the Iliac Artery: 24 Month Results From the BOLSTER Trial  
Lecturers: Georgios Bouras
8:49 AM  Discussion
8:54 AM  TCT 133: Thirty Day Readmissions After Medical vs Endovascular Therapy for Atherosclerotic Renal Artery Stenosis  Insights From the National Readmissions Database  
Lecturers: David Louis
9:01 AM  Discussion
9:06 AM  TCT 134: Urinary Leukotriene E4  Innovative Tool in Prognosing Recurring Restenosis in Patients Undergoing Endovascular Treatment Due to Lower Limb Ischemia  
Lecturers: Mikolaj Maga
9:13 AM  Discussion
9:18 AM  TCT 135: Impact of Clinical Frailty in Patients With Peripheral Artery Disease: From I PAD Registry  
Lecturers: Tomoaki Machidome
9:25 AM  Discussion

MODERATED POSTER SESSION: CHRONIC PULMONARY EMBOLISM AND PULMONARY HYPERTENSION

SATURDAY, SEPTEMBER 22, 2018  
8:30 AM - 10:30 AM  
Moderated Posters 1, Exhibit Hall, Ground Level

8:30 AM - 10:30 AM  
Chronic Pulmonary Embolism and Pulmonary Hypertension
Moderators: Ori Ben-Yehuda, Nick H. Kim
Discussants: Daniel R. Bensimhon, Teresa L. Carman, Mahir Elder, J. Stephen Jenkins, Peter P. Monteleone

8:30 AM  TCT 161: Endovascular Device to Improve Pulmonary Arterial Compliance in Pulmonary Arterial Hypertension  
Lecturers: Irene M. Lang
8:37 AM  Discussion
8:42 AM  TCT 162: Feasibility of Chronic Total Occlusion Recanalization During Balloon Pulmonary Angioplasty  
Lecturers: Sanjum S Sethi
8:49 AM  Discussion
8:54 AM  TCT 163: The Analysis of Safety and Effectiveness of Balloon Pulmonary Angioplasty for Chronic Thromboembolic Pulmonary Hypertension Which Has indication for Surgical Therapy  
Lecturers: Shun Minatsuki
9:01 AM  Discussion
9:06 AM  TCT 164: Balloon Pulmonary Angioplasty for Total Occlusion Lesions: the Success Rate and Long Term Patency Rates Depends on the Difficulty in Penetrating the Guide Wire of the Occlusion Site  
Lecturers: Hiroto Shimokawahara
9:13 AM  Discussion
9:18 AM  TCT 165: Safety of Balloon Pulmonary Angioplasty for Chronic Thromboembolic Pulmonary Hypertension  Initial Single Center United States Experience  
Lecturers: Alessandro Maolo
9:25 AM  Discussion

MODERATED POSTER SESSION: COMORBIDITIES IN CAD I

SATURDAY, SEPTEMBER 22, 2018  
8:30 AM - 9:18 AM  
Moderated Posters 6, Exhibit Hall, Ground Level

8:30 AM - 9:30 AM  
Comorbidities in CAD - I  
Moderators: Sorin J. Brener, Carl L. Tommaso
Discussants: Andrea Abizaid, Rasha Al-Lamee, Mark Goldberger, Rajiv Gulati, Michel R. Le May

8:30 AM  TCT 147: High Wattage Electronic Cigarette Vaping After Coronary Stenting Induces Arterial Hypoxemia: a Randomized Clinical Trial
Lecturers: Nadia Debbas
8:37 AM Discussion

8:42 AM TCT 148: An International Analyses of 122610 NSTEMI Patients With 5 Year Outcomes: Assessing the influence of Age and Comorbidities on invasively Vs Medically Managed Patients Between 2004 and 2014
Lecturers: Philip Freeman
8:49 AM Discussion

8:54 AM TCT 149: The Effect of Chronic Obstructive Pulmonary Disease on Patients With Non ST Segment Elevation Myocardial Infarction  a 2014 Nationwide Analysis
Lecturers: Mariam Khandaker
9:01 AM Discussion

9:06 AM TCT 150: Cardiovascular Disease and Percutaneous Coronary Intervention in Hematological Malignancies  Knowledge Is Power
Lecturers: David Boone
9:13 AM Discussion

MODERATED POSTER SESSION: INTRACORONARY PHYSIOLOGY STUDIES I

SATURDAY, SEPTEMBER 22, 2018
8:30 AM - 9:30 AM
Moderated Posters 7, Exhibit Hall, Ground Level

8:30 AM - 9:30 AM Intracoronary Physiology Studies I
Moderators: Colin Berry
Discussants: Takashi Akasaka, Robert J. Gil, Upendra Kaul, Joo Myung Lee, Giampaolo Niccoli, Hidetaka Nishina

8:30 AM TCT 151: Instantaneous Wave Free RatioFractional Flow Reserve Discordance  Is the Wave Free Period Truly Wave Free
Lecturers: Mark Mills
8:37 AM Discussion

8:42 AM TCT 152: Clinical Predictors of Discordance Between instantaneous Wave Free Ratio and Fractional Flow Reserve
Lecturers: Hidetoshi Kirigaya
8:49 AM Discussion

8:54 AM TCT 153: Reducing the Need for Invasive Pressure Wire Assessment in Patients Using a Novel Angiographic Scoring Tool
Lecturers: Michael Michail
9:01 AM Discussion

9:06 AM TCT 154: Diagnostic Accuracy of iFR vs FFR in the Left vs Right Coronary Artery
Lecturers: Ankita Gore
9:13 AM Discussion

9:18 AM TCT 155: The FFRiFR Discrepancies and Their Possible Reasons  Findings From the Czech Japan FFRiFR Registry
Lecturers: Tomas Kovarnik
9:25 AM Discussion

MODERATED POSTER SESSION: TAVR RISK STRATIFICATION AND OUTCOMES I

SATURDAY, SEPTEMBER 22, 2018
8:30 AM - 9:30 AM
Moderated Posters 5, Exhibit Hall, Ground Level

8:30 AM - 9:30 AM TAVR Risk Stratification and Outcomes I
Moderators: Martina Kelly Speight, Corrado Tamburino
Discussants: Holger M. Nef, Elizabeth M. Perpetua, Alexey Protopopov, Toby Rogers, Amit Segev, Kimberly A. Skelding

8:30 AM TCT 141: One Year Readmissions After Transcatheter Aortic Valve Implantation
Lecturers: Mourad Senussi
8:37 AM Discussion

8:42 AM TCT 142: Thirty Day Readmissions After Early vs Delayed Discharge for Transcatheter Aortic Valve Replacement  Insights From the Nationwide Readmissions Database
8:49 AM Discussion

8:54 AM TCT 143: Higher Institutional TAVR Volume Reduces Index Mortality But Does Not Impact Readmission Outcomes
Lecturers: Hanning Xing

9:01 AM Discussion

9:06 AM TCT 144: Impact of Baseline Left Ventricular Ejection Fraction on Clinical Outcomes Following Transcatheter Aortic Valve Replacement for Severe Aortic Stenosis
Lecturers: Osung Kwon

9:13 AM Discussion

9:18 AM TCT 145: Nonagenarians With Severe Aortic Stenosis Have Comparable Mortality Outcomes At One Year Compared to Non Nonagenarians With Severe Aortic Stenosis Post TAVR
Lecturers: Khader Herzallah

9:25 AM Discussion

MODERATED POSTER SESSION: TECHNICAL ASPECTS OF CTO INTERVENTIONS I

SATURDAY, SEPTEMBER 22, 2018
8:30 AM - 9:30 AM
Moderated Posters 4, Exhibit Hall, Ground Level

8:30 AM - 9:30 AM
Technical Aspects of CTO Interventions I
Moderators: Margaret B. McEntegart, Sunao Nakamura
Discussants: Lei Ge, Paul Knaapen, Marin Postu, Alexandre Schaan Quadros, Sudhir Rathore

8:30 AM TCT 136: Impact of Switch Time Between CTO Crossing Strategies
Lecturers: Oleg Krestyaninov

8:37 AM Discussion

8:42 AM TCT 137: Five Year Clinical Outcomes for Resolute Zotarolimus Eluting Stents in Total Occlusions
Lecturers: Robert W. Yeh

8:49 AM Discussion

8:54 AM TCT 138: Comparison Between Traditional and Guide Catheter Extension Reverse Cart Insights From the Progress CTO Registry
Lecturers: Iosif Xenogiannis

9:01 AM Discussion

9:06 AM TCT 139: Use of Atherectomy in Chronic Total Occlusion Intervention: Insights From the PROGRESS CTO Registry
Lecturers: Iosif Xenogiannis

9:13 AM Discussion

Lecturers: Hiroyuki Tanaka

9:25 AM Discussion

MODERATED POSTER SESSION: BEST OF MODERATED PCI POSTER ABSTRACTS I

SATURDAY, SEPTEMBER 22, 2018
9:30 AM - 10:30 AM
Moderated Posters 2, Exhibit Hall, Ground Level

9:30 AM - 10:18 AM
Best of Moderated PCI Poster Abstracts I
Moderators: David E. Kandzari
Discussants: Ning Guo, Javad Iqbal, Fahim Haider Jafary, Talib Majwal, Stefan Mot

9:30 AM TCT 166: Predictors of Target Lesion Revascularization After Implantation of Second Generation Drug Eluting Stents in Randomized Trials and the Real world Analysis From Two Large Datasets
Lecturers: Behnood Bikdeli

9:37 AM Discussion
MODERATED POSTER SESSION: CARDIOGENIC SHOCK AND VENTRICULAR ASSIST I

SATURDAY, SEPTEMBER 22, 2018
9:30 AM - 10:30 AM
Moderated Posters 4, Exhibit Hall, Ground Level

9:30 AM - 10:30 AM
Cardiogenic Shock and Ventricular Assist I
Moderators: Ulrich P. Jorde, David X. Zhao
Discussants: Brian Clapp, David D Israeli, Michael J. Lim, John A. McPherson, John S. Sapirstein, Bernadette S. Speiser

9:30 AM
TCT 176: Catheter Based Percutaneous Left Ventricular Assist Device Deactivation A Case Series From a Tertiary Care Center
Lecturers: Arif Albulushi

9:37 AM
discussion

9:42 AM
TCT 177: Comparison of Percutaneous and Surgical Right Ventricular Assist Device Support Following Durable Left Ventricular Assist Device insertion
Lecturers: Ellie Coromilas

9:49 AM
discussion

9:54 AM
TCT 178: Temporal Trends in the Utilization of Right Heart Catheterization RHC Among Recipients of Percutaneous Ventricular Assist Device PVAS in Acute Myocardial Infarction Complicated By Cardiogenic Shock AMI CS
Lecturers: Nikhil Nalluri

10:01 AM
discussion

10:06 AM
TCT 179: Trends and Outcomes in the Treatment of Cardiogenic Shock and Use of Mechanical Circulatory Support in the United States
Lecturers: Jad Omran

10:13 AM
discussion

10:18 AM
TCT 180: Incidence and Outcomes of Cardiogenic Shock Complicating Inferior vs Anterior ST Elevation Myocardial Infarction
Lecturers: Michael Weinreich

10:25 AM
discussion

MODERATED POSTER SESSION: CORONARY CALCIFICATION I

SATURDAY, SEPTEMBER 22, 2018
9:30 AM - 10:30 AM
Moderated Posters 6, Exhibit Hall, Ground Level

9:30 AM - 10:30 AM
Coronary Calcification I
Moderators: Dean J. Kereiakes, Gert Richardt
Discussants: Akram Ibrahim, Adam Janas, Samuel K Mathew, Nish Patel

9:30 AM
TCT 185: Glasgow Rotational Atherectomy Efficiency GRACE Study: Safety of a Minimalist Approach
Lecturers: Tom J Ford

9:37 AM
discussion

9:42 AM
TCT 186: Determinants of Poor in Hospital Clinical Success of Rotational Atherectomy
Lecturers: Piotr Kubler

9:49 AM
discussion
9:54 AM  TCT 187: Periprocedural Complications and Procedural Effectiveness in Diabetics and Non Diabetics Treated With Percutaneous Coronary Interventions and Rotablation  
Lecturers: Rafa Januszek

10:01 AM  Discussion

10:06 AM  TCT 188: Culprit Lesion Harbouring Calcified Nodule Predicts A Higher Target Lesion Revascularization Rate After PCI With 2Nd Generation Drug Eluting Stent in ACS Patients: Findings From Serial Coronary Angiography Study  
Lecturers: Hiroki Sugane

10:13 AM  Discussion

10:18 AM  TCT 189: Extending Application of Intravascular Lithotripsy to A High Risk Real World Population  
Lecturers: Julian Yeoh

10:25 AM  Discussion

MODERATED POSTER SESSION: DES VS DES I

SATURDAY, SEPTEMBER 22, 2018  
9:30 AM - 10:30 AM  
Moderated Posters 8, Exhibit Hall, Ground Level

9:30 AM - 10:30 AM  
DES vs DES I  
Moderators: Salvatore Cassese, John A. Ormiston  
Discussants: Sripal Bangalore, Giuseppe De Luca, Verghese Mathew, Duk-Woo Park

9:30 AM  TCT 190: Ultrathin Bioreabsorbable Polymer Sirolimus Eluting Stents vs Thin Durable Polymer Everolimus Eluting Stents in Patients Undergoing Coronary Revascularization: Two Year Outcomes From the Randomized BIOFLOW V Trial  
Lecturers: David E. Kandzari

9:37 AM  Discussion

9:42 AM  TCT 191: Biodegradable vs Polymer Free Drug Eluting Stents for the Treatment of Coronary Artery Disease: A Meta Analysis of Randomized Controlled Trials  
Lecturers: Jason Nogic

9:49 AM  Discussion

9:54 AM  TCT 192: Early Vascular Healing After Implantation of A Biolimus Coated Biofreedom Stent Or A Sirolimus Eluting Orsiro Stent in Patients With ST Segment Elevation Myocardial Infarction  
Lecturers: Kirstine Hansen

10:01 AM  Discussion

10:06 AM  TCT 193: Comparing Long Term Outcomes of First Generation and Second Generation Drug Eluting Stents in Patients With Coronary Artery Disease  
Lecturers: Parth Parikh

10:13 AM  Discussion

10:18 AM  TCT 194: Comparison of Ridaforolimus Eluting and Zotarolimus Eluting Coronary Stents in Patients With Long Lesions: 1 Year Outcomes From the Randomized BIONICS Trial  
Lecturers: David E. Kandzari

10:25 AM  Discussion

MODERATED POSTER SESSION: INTRAVASCULAR IMAGING, PCI, AND LONG-TERM OUTCOMES I

SATURDAY, SEPTEMBER 22, 2018  
9:30 AM - 10:30 AM  
Moderated Posters 7, Exhibit Hall, Ground Level

9:30 AM - 10:30 AM  
Intravascular Imaging, PCI, and Long-Term Outcomes I  
Moderators: Massoud A. Leesar  
Discussants: David Erlinge, Anand M Rao, Jasvindar Singh, Takafumi Ueno, Jose M. de la Torre Hernandez

9:30 AM  TCT 195: Comparison of Mid Term Clinical Outcomes Between Optimal Frequency Domain Imaging Guided and Intravascular Ultrasound Guided Percutaneous Coronary Intervention With 2Nd Generation Drug Eluting Stents in Stable Angina Pectoris  
Lecturers: Hiroaki Matsuda

9:37 AM  Discussion
9:42 AM  TCT 191: Impact of Post Procedural Minimal Stent Area By IVUS on 2 Year Outcome After PCI in the SYNTAX II Trial
Lecturers: Yuki Katagiri

9:49 AM  Discussion

9:54 AM  TCT 192: the Comparison of Healing 1 Month and 1 Year After Percutaneous Coronary Intervention Among Cobalt Chromium Everolimus Eluting StentEEES Biodegradable PolymerBP EES and BP Sirolimus Eluting Stent: Insights From Optical Coherence Tomography an
Lecturers: Takao Sato

10:01 AM  Discussion

10:06 AM  TCT 193: The Effectof Plaque Typeon Strut EmbedmentProtrusionand Shear Stressin Biodegradable Scaffolds: Is ThereA New Horizon for Biodegradable Scaffolds
Lecturers: Erhan Tenekecioglu

10:13 AM  Discussion

Lecturers: Sergio Tarbine

10:25 AM  Discussion

MODERATED POSTER SESSION: RACIAL AND GENDER DISPARITIES IN ENDOVASCULAR AND STRUCTURAL HEART DISEASE AND INTERVENTION

SATURDAY, SEPTEMBER 22, 2018
9:30 AM - 10:30 AM
Moderated Posters 3, Exhibit Hall, Ground Level

9:30 AM - 10:30 AM
Racial and Gender Disparities in Endovascular and Structural Heart Disease and Intervention I
Moderators: Julie Logan, Molly Szerlip
Discussants: Karim El Chilali, Giovanni Esposito

9:30 AM  TCT 171: Time Course of the Survival Advantage of Transcatheter Over Surgical Aortic Valve Replacement Interplay Between Sex and Patient Risk Profile
Lecturers: Giulia Masiero

9:37 AM  Discussion

9:42 AM  TCT 172: Aortic Valvar Complex and Cardiac Anatomy Gender Related Differences in Patients Undergoing Transcatheter Aortic Valve Replacement
Lecturers: Danielle Sin

9:49 AM  Discussion

9:54 AM  TCT 173: Racial Disparities in Patients Undergoing Transcatheter Aortic Valve Replacement Insights of the Healthcare Cost and Utilization Projects National inpatient Sample
Lecturers: Dagmar Hernandez-Suarez

10:01 AM  Discussion

10:06 AM  TCT 174: Comparison of Procedural and 18 Month Outcomes of Endovascular Device Intervention in Men vs Women With Critical Limb Ischemia Subanalysis of the LIBERTY 360 Study
Lecturers: Jihad Mustapha

10:13 AM  Discussion

10:18 AM  TCT 175: Racial Disparities in Procedural Complications After Transcatheter Aortic Valve Replacement TAVR A Retrospective Single Center Case Control Study
Lecturers: Nidal Ganim

10:25 AM  Discussion

MODERATED POSTER SESSION: TAVR TECHNIQUES AND OUTCOMES

SATURDAY, SEPTEMBER 22, 2018
9:30 AM - 10:30 AM
Moderated Posters 5, Exhibit Hall, Ground Level

9:30 AM - 10:18 AM
TAVR Techniques and Outcomes I
Moderators: Somjit S. Brar, Ethan C Korngold
Discussants: Santiago Garcia, Kishore J. Harjai, Thomas Hovasse, Michael Kang-Yin Lee

9:30 AM  TCT 181: Early Changes in Quality of Life After Transcatheter Aortic Valve Replacement: Results From the 3M TAVR Trial
Lecturers: Sandra Lauck

9:37 AM Discussion

9:42 AM TCT 182: Outlook of Patients Undergoing Transcatheter Aortic Valve Implantation After Prior Balloon Aortic Valvuloplasty Insights From the Multicenter Rispeva Trial
Lecturers: Giuseppe Biondi-Zoccai

9:49 AM Discussion

9:54 AM TCT 183: TAVR Patients Consenting to Study Participation Are Healthier Than Those Who Do Not
Lecturers: Jeroen Vendrik

10:01 AM Discussion

10:05 AM TCT 497: Predictors of Post Dilatation After Self Expanding Transcatheter Aortic Valve Replacement Large Single Center Experience
Lecturers: Run Du

10:13 AM Discussion

MODERATED POSTER SESSION: ACUTE AND LONG-TERM CABG RESULTS

SATURDAY, SEPTEMBER 22, 2018
10:30 AM - 11:30 AM
Moderated Posters 2, Exhibit Hall, Ground Level

10:30 AM - 11:30 AM
Acute and Long-term CABG Results
Moderators: Joseph F. Sabik, Pascal Vranckx
Discussants: Alfredo Trento, Grayson H. Wheatley

10:30 AM TCT 205: Incidence Predictors and Outcomes of Urgent Percutaneous Coronary Intervention Following Coronary Artery Bypass Grafting
Lecturers: Fahad Alqahtani

10:37 AM Discussion

10:42 AM TCT 206: Hybrid Coronary Revascularization vs Coronary Artery Bypass Graft Surgery in Patients With Multivessel Coronary Artery Disease: A Meta Analysis
Lecturers: Ziad Sayedahmad

10:49 AM Discussion

10:54 AM TCT 207: Intraoperative Optical Coherence Tomography as a New Modality to Determine Coronary Artery Bypass Graft Patency Our First Experience
Lecturers: Vladimir Losev

11:01 AM Discussion

11:06 AM TCT 208: Results and Practical Value of Intraoperative Bypass Angiography in Surgical Myocardial Revascularization
Lecturers: Olga Bockeria

11:13 AM Discussion

11:18 AM TCT 209: Comparison of Rates and Causes of 30 Day Readmissions After Coronary Artery Bypass Graft vs Percutaneous Transluminal Coronary Angioplasty
Lecturers: Sushruth Edla

11:25 AM Discussion

MODERATED POSTER SESSION: CAROTID STENTING, STROKE PREVENTION, AND ACUTE STROKE INTERVENTION

SATURDAY, SEPTEMBER 22, 2018
10:30 AM - 11:30 AM
Moderated Posters 3, Exhibit Hall, Ground Level

10:30 AM - 11:30 AM
Carotid Stenting, Stroke Prevention, and Acute Stroke intervention
Moderators: Christopher J. White
Discussants: Bernhard Reimers, Fayaz Shawk, Adnan Siddiqui

10:30 AM TCT 210: 3Year Experience With Cath Lab Based Acute Stroke Rescue Program in a Community Hospital
Lecturers: Steven Guidera

10:37 AM Discussion

10:42 AM TCT 211: Technical Success of Acute Stroke Interventions Performed By Cardiologists Single Center Experience
**MODERATED POSTER SESSION: LEFT ATRIAL APPENDAGE CLOSURE**

**SATURDAY, SEPTEMBER 22, 2018**
**10:30 AM - 11:30 AM**
Moderated Posters 1, Exhibit Hall, Ground Level

10:30 AM - 11:30 AM
**Left Atrial Appendage Closure**
*Moderators:* Shephal Doshi, Apostolos Tzikas
*Discussants:* Mohamad Adnan Alkhouli, T Jared Bunch, Simon Cheung-chi Lam, Jai-Wun Park, Muhamed Saric

10:30 AM
**TCT 200:** Surgical Left Atrial Appendage Occlusion During Cardiac Surgery: A Systematic Review and Meta Analysis
*Lecturers:* Mark Terence Mujer

10:37 AM
**Discussion**

10:42 AM
**TCT 201:** Discharge Antithrombotic Medication and Clinical Events Through 1 Year in the Global Amulet Observational Study
*Lecturers:* David Hildick-Smith

10:49 AM
**Discussion**

10:54 AM
**TCT 202:** Efficacy and Safety of Aspirin MonoTherapy After Left Atrial Appendage Occlusion to Prevent Device Related Thrombus Stroke and Major Bleeding
*Lecturers:* Kasper Korsholm

11:01 AM
**Discussion**

11:06 AM
**TCT 203:** Incidence and Clinical Impact of Device Related Thrombus After Percutaneous Left Atrial Appendage Occlusion A Meta Analysis
*Lecturers:* Mohammed Osman

11:13 AM
**Discussion**

11:18 AM
**TCT 204:** Role of Different Antithrombotic Regimens After Percutaneous Left Atrial Appendage Occlusion: A Large Single Center Experience
*Lecturers:* Alessandra Laricchia

11:25 AM
**Discussion**

**MODERATED POSTER SESSION: LONG-TERM DES STUDIES**

**SATURDAY, SEPTEMBER 22, 2018**
**10:30 AM - 11:30 AM**
Moderated Posters 8, Exhibit Hall, Ground Level

10:30 AM - 11:30 AM
**Long-term DES Studies**
*Discussants:* Peter L Duffy, Mohamed Ali Elsalamony, R. Stefan Kiesz, Michael J. Rinaldi, Yasunori Ueda

10:30 AM
**TCT 236:** Long Term 8 13 Year Clinical Outcomes After Drug Eluting Stenting in Routine Clinical Practice
*Lecturers:* Stephen G. Ellis

10:37 AM
**Discussion**

10:42 AM
**TCT 237:** Long Term 8 13 Year Clinical Outcomes in Pre Diabetics After Drug Eluting Stenting: More Like Diabetics Or Non Diabetics
*Lecturers:* Stephen G. Ellis

10:49 AM
**Discussion**
MODERATED POSTER SESSION: MACHINE LEARNING AND ARTIFICIAL INTELLIGENCE

SATURDAY, SEPTEMBER 22, 2018
10:30 AM - 11:30 AM
Moderated Posters 7, Exhibit Hall, Ground Level

10:30 AM - 11:30 AM
Machine Learning and Artificial Intelligence
Moderators: Justin E. Davies, James K. Min
Discussants: Steven L. Almany, Peter Juni, Frank Litvack

10:30 AM
TCT 231: An Artificial Intelligence Based Solution for Fully Automated Cardiac Phase and End Diastolic Frame Detection on Coronary Angiographies
Lecturers: Lucian Itu

10:37 AM
Discussion

10:42 AM
TCT 232: Diagnostic Accuracy of Machine Learned Algorithms Utilizing a Novel Form of Cardiac Phase Tomography Cpsm vs Single Photon Emission Tomography Spect in the Assessment of Cad
Lecturers: Thomas D. Stuckey

10:49 AM
Discussion

10:54 AM
TCT 233: Machine Learned Algorithms Utilizing Novel Tomography for Evaluating Coronary Artery Disease
Lecturers: Thomas D. Stuckey

11:01 AM
Discussion

11:06 AM
TCT 234: Machine Learning Outperforms ACC/AHA CVD Risk Calculator in MESA NewOpportunities for Short Term Risk Prediction and Early Detection of the Vulnerable Patient
Lecturers: Morteza Naghavi

11:13 AM
Discussion

11:18 AM
Lecturers: Tianming Du

MODERATED POSTER SESSION: MINIMALIST APPROACH TO TAVR I

SATURDAY, SEPTEMBER 22, 2018
10:30 AM - 11:30 AM
Moderated Posters 5, Exhibit Hall, Ground Level

10:30 AM - 11:30 AM
Minimalist Approach to TAVR I
Moderators: Bernard R. Chevalier, Helene Eltchaninoff
Discussants: Suzanne V. Arnold, Wolfgang Bocksch, Reda Ibrahim, Ciro Indolfi

10:30 AM
TCT 221: Comparison of Transfemoral Transcatheter Aortic Valve Replacement Performed With A Simplified Protocol: Fast TAVR vs Standard Approach
Lecturers: Grégoire Lefèvre

10:37 AM
Discussion

10:42 AM
TCT 222: Safety and Feasibility of An Early Ambulation Protocol After Transfemoral Transcatheter Aortic Valve Implantation: Results of the Early Mobilisation After TF TAVI MobiTAVI Trial
Lecturers: Jeroen Vendrik

10:49 AM
Discussion

10:54 AM
TCT 223: Efficacy and Safety of Transfemoral Transcatheter Aortic Valve Replacement Under General Anesthesia vs Local Anesthesia Insights From
TCT 224: Predictors and Safety of Next Day Discharge After Minimalistic Transfemoral Aortic Valve Implantation
Lecturers: Giuliano Costa

TCT 225: Impact of Frailty on a Minimalist Approach and Early Discharge Following TAVR: Insights From the 3M TAVR Study
Lecturers: Janarthanan Sathanathan

MODERATED POSTER SESSION: NON-LM BIFURCATION INTERVENTION I

10:30 AM - 11:30 AM
Non-LM Bifurcation Intervention I
Moderators: Francesco Burzotta, Yves R. Louvard

10:30 AM
TCT 216: Comparison Between TAP and Double Kissing Crush Techniques: Optical Coherence Tomography and Computational Flow Reconstruction From in Vitro Models
Lecturers: Valeria Paradies

10:37 AM
Discussion

10:42 AM
TCT 217: Stenting of Coronary Bifurcation Lesions With Bioresorbable Everolimus Eluting Scaffolds Longterm Outcome FromPoznan Bifurcation Absorb Registry
Lecturers: Magdalena Lanocha

10:49 AM
Discussion

10:54 AM
TCT 218: Impact of Side Branch Pre Dilation on Angiographic Outcomes in Provisional Stent Strategy in Non Left Main Coronary Bifurcation Lesions: A Systematic Review and Meta Analysis
Lecturers: Mourushi Isa

11:01 AM
Discussion

11:06 AM
TCT 219: Benefits of Final Proximal Optimization Technique POTin Provisional Stenting A Bench Experimental Study
Lecturers: Francois Derimay

11:13 AM
Discussion

11:18 AM
TCT 220: Optimal Balloon Positioning for a Best Proximal Optimization Technique POT An Experimental Bench Study
Lecturers: Francois Derimay

11:25 AM
Discussion

MODERATED POSTER SESSION: PCI AND DRUG-COATED BALLOONS I

10:30 AM - 11:30 AM
PCI and Drug-Coated Balloons I
Moderators: Juan F. Granada
Discussants: George L Adams, JJ Goy, Hsuan-Li Huang, Juying Qian, Jorge F. Saucedo, Craig M. Walker

10:30 AM
TCT 226: Results of Percutaneous Coronary Intervention With Second Generation Drug Coated Balloons at a Long Term Follow up
Lecturers: Ignacio Sanchez-Perez

10:37 AM
Discussion

10:42 AM
TCT 227: Outcomes With Drug Coated Balloons in Small Vessel Coronary Artery Disease
Lecturers: Michael Megaly

10:49 AM
Discussion
10:54 AM  TCT 228: Outcomes After Treatment of Coronary In Stent Restenosis With Drug Coated Balloon vs Drug Eluting Stent According to the Presence or Absence of Diabetes Mellitus: A Prespecified Analysis of the DAEDALUS Study  
Lecturers: Daniele Giacoppo

11:01 AM  Discussion

11:06 AM  TCT 229: Outcomes With Drug Coated Balloons vs Drug Eluting Stents in Percutaneous Coronary Intervention in Diabetic Patients  
Lecturers: Michael Megaly

11:13 AM  Discussion

11:18 AM  TCT 230: FFR Guided Angioplasty Using Paclitaxel Coated Balloons Without Stents vs Biodegradable Scaffolds: A Randomized Clinical Trial in Stable Coronary Artery Disease  
Lecturers: Tudor Poerner

11:25 AM  Discussion

MODERATED POSTER SESSION: ASD AND PFO CLOSURE I

SATURDAY, SEPTEMBER 22, 2018
11:30 AM - 12:30 PM
Moderated Posters 1, Exhibit Hall, Ground Level

11:30 AM - 12:30 PM  
Moderated Poster Session: ASD and PFO Closure I  
Moderators: Eric Eeckhout
Discussants: Ozgen Dogan, Makram R. Ebeid, Steven L. Goldberg, Kee-Sik Kim, David W.M. Muller

11:30 AM  TCT 241: Assessment of the Intra Atrial Septum Orientation and Its Mean Curvature for Structural Heart Disease Interventions  
Lecturers: Nils Petri

11:37 AM  Discussion

11:42 AM  TCT 242: Residual Shunt After Patent Foramen Ovale Device Closure in Patients With Cryptogenic Stroke: Serial Bubble Contrast Transesophageal Echocardiography Data  
Lecturers: Pyung Chun Oh

11:49 AM  Discussion

11:54 AM  TCT 243: Are Percutaneous Patent Foramen Ovale Closure Devices Effective A Comprehensive Meta Analysis Assessing Their Long Term Outcomes  
Lecturers: Armaghan Soomra

12:01 PM  Discussion

12:06 PM  TCT 244: Percutaneous Suture mediated Patent Foramen Ovale PFO Closure with the NobleStitch EL System: Center Experience Effect  
Lecturers: Gregory Sgueglia

12:13 PM  Discussion

MODERATED POSTER SESSION: CATHETER-BASED TREATMENT OF PERIPHERAL VASCULAR DISEASE II

SATURDAY, SEPTEMBER 22, 2018
11:30 AM - 12:30 PM
Moderated Posters 3, Exhibit Hall, Ground Level

11:30 AM - 12:30 PM  
Catheter-based Treatment of Peripheral Vascular Disease II  
Moderators: Michael R. Joff, Craig M. Walker
Discussants: Jun Nakazato, Rahul S. Patel, Ramon L Varcoe, Mitchell Weinberg

11:30 AM  TCT 249: Population Based Outcomes Following Endovascular Interventions and Bypass Surgery for Lower Extremity Peripheral Arterial Disease  
Lecturers: Khalid Hamid Changal

11:37 AM  Discussion

11:42 AM  TCT 250: A Novel Large Size Transcatheter Pulmonary Heart Valve Prosthesis for Patients With Pulmonary Regurgitation  
Lecturers: Anna Grünwald

11:49 AM  Discussion

11:54 AM  TCT 251: Use Safety and Effectiveness of Subintimal Angioplasty and Re Entry Devices for the Treatment of Femoropopliteal Chronic Total Occlusions A Systematic Review of 87 Studies and 4671 Patients  
Lecturers: Damianos Kokkinidis
TCT 252: A Prospective Multi Center Pilot Study Evaluating Plaque Photoablation Using the Novel Non Guidewire Based RA 308 Excimer Laser in Subjects With Symptomatic Infragenual Lower Extremity Vascular Occlusions
Lecturers: Ehtisham Mahmud

TCT 253: Placement of Axillary intramural Balloon Pump Leads to Higher Adverse Event Rate When Compared to Placement of Femoral Intra aortic Balloon Pump
Lecturers: Baldeep Dhaliwal


S A T U R D A Y , S E P T E M B E R 2 2 , 2 0 1 8
11:30 AM - 12:30 PM
Moderated Posters 2, Exhibit Hall, Ground Level

Cath Lab of the Future: Strategies to Control Radiation Exposure I
Moderators: Stephen Balter, Peter J. Fitzgerald
Discussants: M Chadi Alraies, James Flaherty, Richard R. Heuser, Partha Sardar, Carl L. Tommaso, James P. Zidar

TCT 245: A Significant Reduction in the Frequency of Substantial Dose Interventional Coronary Procedures From 2007 to 2017
Lecturers: Stephen Balter

TCT 246: Utility of Image Magnification Software to Reduce Radiation Emission During Invasive Coronary Angiography
Lecturers: Ramin Ebrahimi

TCT 247: Reducing Radiation Exposure to Operators During Invasive Cardiac Procedures With A Novel Lead Based Arm Board Radar
Lecturers: Tawfiq Choudhury

TCT 248: A New Device to Markedly Reduce Cardiac Cath Lab Radiation Levels
Lecturers: Robert Wilson


S A T U R D A Y , S E P T E M B E R 2 2 , 2 0 1 8
11:30 AM - 12:30 PM
Moderated Posters 8, Exhibit Hall, Ground Level

Is There Still a Role for Bare Metal Stents?
Moderators: Rafael Beyar, Hemal Gada
Discussants: Bernardo Cortese, Darshan Doshi, Adel El Etriby, Andrea Gagnor, Patrick J Goleski

TCT 270: Prospective Randomized Comparison of Paclitaxel Coated Balloon vs Bare Metal Stent in High Bleeding Risk Patients With De Novo Native Coronary Artery Lesions
Lecturers: Eun-Seok Shin

TCT 271: Drug Eluting Stents Compared With Bare Metal Stents in High Risk Patients Undergoing Percutaneous Coronary Interventions: A Meta Analysis
Lecturers: Saroj Neupane

TCT 272: Outcomes of Drug Eluting vs Bare Metal Stents in Saphenous Vein Graft Lesions: A Meta Analysis of Randomized Controlled Trials
Lecturers: Toufik Mahfood Haddad

TCT 273: Italian Multicenter Registry of Bare Metal Stent Use in Modern Percutaneous Coronary Intervention Era: A Multicenter Observational Study
Lecturers: Matteo Pagnesi
MODERATED POSTER SESSION: MINIMALIST APPROACH TO TAVR II

SATURDAY, SEPTEMBER 22, 2018
11:30 AM - 12:30 PM
Moderated Posters 5, Exhibit Hall, Ground Level

11:30 AM - 12:30 PM
Minimalist Approach to TAVR II
Moderators: Carlo Di Mario, Maurizio Taramasso
Discussants: Itshac Itsik Ben-dor, Nicola Corvaja, Chandan Devireddy, Kendra J. Grubb

11:30 AM TCT 258: Comparing Outcomes of Local and General Anesthesia in Transcatheter Aortic Valve Replacement COLGATE AVR: the Cleveland Clinic Foundation Experience
Lecturers: Jimmy Kerrigan

11:37 AM Discussion

11:42 AM TCT 259: 1000 Minimalist TAVR: SAPIEN Through SAPIEN 3
Lecturers: Norihiko Kamioka

11:49 AM Discussion

11:54 AM TCT 260: Outcomes of Transcatheter Aortic Valve Replacement in Patients Undergoing Conscious Sedation Compared to General Anesthesia
Lecturers: Brett Hiendlmayr

12:01 PM Discussion

12:06 PM TCT 261: Minimalistic Approach in Transcatheter Aortic Valve Replacement: A Systematic Review and Meta Analysis
Lecturers: Harsh Rawal

12:13 PM Discussion

MODERATED POSTER SESSION: MISCELLANEOUS PCI TECHNIQUES

SATURDAY, SEPTEMBER 22, 2018
11:30 AM - 12:30 PM
Moderated Posters 4, Exhibit Hall, Ground Level

11:30 AM - 12:30 PM
Miscellaneous PCI Techniques
Moderators: Bagrat Alekyan, Manish A. Parikh
Discussants: Sergey A. Abugov, Khaled Almerri, Peter Barlis, Jeff Chambers, Andrzej J. Ochala

11:30 AM TCT 254: Strut Impingement Phenomenon By A Bioresorbable Polymer Sirolimus Eluting Ultimaster Stent
Lecturers: Yutaka Tadano

11:37 AM Discussion

11:42 AM TCT 255: Results of the Percutaneous Coronary Intervention With Overlapping Stents With Homogeneous Or Heterogeneous Drug for the Treatment of Diffuse Coronary Disease in Real Clinical Practice
Lecturers: Ignacio Sanchez-Perez

11:49 AM Discussion

11:54 AM TCT 256: Impact of Coronary Artery Tortuosity on PCI Outcomes: An individual Patient Data Pooled Analysis From 6 Randomized Controlled Trials
Lecturers: Bjorn Redfors

12:01 PM Discussion

12:06 PM TCT 257: Impact of Percutaneous Coronary Intervention of Ostial Vs Non Ostial Lesions on Short and Long Term Clinical Outcomes
Lecturers: Ji Young Park

12:13 PM Discussion

MODERATED POSTER SESSION: NEW OCT STUDIES
11:30 AM - 12:30 PM
New OCT Studies
Moderators: Daniel Chamie, Stephen WL Lee
Discussants: Otavio Berwanger, Haibo Jia, Olli A. Kajander, Junya Shiite, Richard Shlofmitz, Marco Zimarino

11:30 AM  TCT 266: OCT and Histopathological Assessment of Coronary Plaque Obtained by Directional Coronary AthereCTOmy
Lecturers: Hiroshi Okamato

11:37 AM  Discussion

11:42 AM  TCT 267: Serial Stent Healing Analysis of BioresorbableStent Implanted in Coronary Bifurcations With Optical Coherence Tomography: Correlation With Baseline Shear Stress
Lecturers: Shengxian Tu

11:49 AM  Discussion

11:54 AM  TCT 268: Five Year Clinical Outcomes of Patients With OCT Detected Features of Vulnerable Plaque in Intermediate Grade Coronary Stenoses Proven Insignificant By FFR
Lecturers: Dorota Ochijewicz

12:01 PM  Discussion

12:06 PM  TCT 269: Optical Coherence Tomography Evaluation of Very Early Endothelialization After Dual Therapy Drug Eluting Stent With EPC CaptURE OCT VENTURE
Lecturers: Bryan Yan

12:13 PM  Discussion

MODERATED POSTER SESSION: PCI AND DRUG-COATED BALLOONS II

11:30 AM - 12:30 PM
PCI and Drug-Coated Balloons II
Moderators: Fernando Alfonso, Bruno Scheller
Discussants: Subhash Banerjee, YunDai Chen, Kenneth Chin, Mariann Gyöngyösi, Michael Joner, Grzegorz L. Kaluza

11:30 AM  TCT 262: Pre Clinical Investigation of Keratose As A Novel Excipient of Paclitaxel Coated Balloons
Lecturers: Saami Yazdani

11:37 AM  Discussion

11:42 AM  TCT 263: Drug Eluting Balloon Coronary Angioplasty Without Stenting for De Novo Lesions in Very Small Caliber Vessels: A Five Years Experience
Lecturers: Luc Dourelant

11:49 AM  Discussion

11:54 AM  TCT 264: Sirolimus Coated Balloon in the Treatment of Small Vessel Disease: Long Term Follow Up From the Indian Nanolute Registry
Lecturers: Bernardo Cortese

12:01 PM  Discussion

12:06 PM  TCT 265: Comparison of Long Term Outcomes of Percutaneous Coronary Intervention With Sequent Please vs in Pact Falcon Paclitaxel Eluting Balloon Catheter
Lecturers: Ignacio Sanchez-Perez

12:13 PM  Discussion

MODERATED POSTER SESSION: AORTIC DISEASES AND INTERVENTION

12:45 PM - 1:45 PM
Moderated Posters 3, Exhibit Hall, Ground Level
### Aortic Diseases and Intervention

**Moderators:** Christoph A. Nienaber, Eric E. Roselli  
**Discussants:** Sergey A. Abugov, Somjot S. Brar, Costantino Del Giudice, Nimesh Desai, Ivo Petrov, Darren B Schneider

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Lecturers</th>
</tr>
</thead>
<tbody>
<tr>
<td>12:45 PM</td>
<td>TCT 285: Development of A Local Treatment Strategy for Vessel Wall Stabilization With a miR 29b Inhibitor in Aneurysms and Atherosclerotic Plaques</td>
<td>Stephanie Bettink</td>
</tr>
<tr>
<td>12:52 PM</td>
<td>Discussion</td>
<td></td>
</tr>
<tr>
<td>1:04 PM</td>
<td>Discussion</td>
<td></td>
</tr>
<tr>
<td>1:09 PM</td>
<td>TCT 287: Efficacy of Intravascular Ultrasound for Patients With Peripheral Artery Diseases Presenting Aorto Iliac Artery Disease</td>
<td>Takuya Tsujiyama</td>
</tr>
<tr>
<td>1:16 PM</td>
<td>Discussion</td>
<td></td>
</tr>
<tr>
<td>1:21 PM</td>
<td>TCT 288: Early Thoracic Endovascular Aortic Repair TEVAR of Uncomplicated Type B Thoracic Aortic Dissection in the Cardiac Catheterization Laboratory: The Rise of the Cardiovascular Interventionalist</td>
<td>Matthew McDiarmid</td>
</tr>
<tr>
<td>1:28 PM</td>
<td>Discussion</td>
<td></td>
</tr>
<tr>
<td>1:33 PM</td>
<td>TCT 289: Loco Regional vs General Anesthesia for Endovascular Abdominal Aortic Aneurysm Repair: An Updated Meta Analysis</td>
<td>Jai Parekh</td>
</tr>
<tr>
<td>1:40 PM</td>
<td>Discussion</td>
<td></td>
</tr>
</tbody>
</table>

### MODERATED POSTER SESSION: BIORESORBABLE SCAFFOLDS VS METALLIC STENTS

**Saturday, September 22, 2018**  
**12:45 PM - 1:45 PM**  
Moderated Posters 8, Exhibit Hall, Ground Level

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Lecturers</th>
</tr>
</thead>
<tbody>
<tr>
<td>12:45 PM</td>
<td>TCT 310: Four Year Clinical Outcomes From Randomized Comparison of Everolimus Eluting Bioresorbable Vascular Scaffolds vs Everolimus Eluting Metallic Stents in Patients With Coronary Artery Disease From ABSORB China Trial</td>
<td>Runlin Gao</td>
</tr>
<tr>
<td>12:52 PM</td>
<td>Discussion</td>
<td></td>
</tr>
<tr>
<td>1:04 PM</td>
<td>Discussion</td>
<td></td>
</tr>
<tr>
<td>1:09 PM</td>
<td>TCT 312: 4 Year Clinical Results of a Randomized Trial Evaluating the Absorb Bioresorbable Vascular Scaffold vs Metallic Drug Eluting Stent in De Novo Native Coronary Artery Lesions: Data From the ABSORB Japan Trial</td>
<td>Kengo Tanabe</td>
</tr>
<tr>
<td>1:16 PM</td>
<td>Discussion</td>
<td></td>
</tr>
<tr>
<td>1:28 PM</td>
<td>Discussion</td>
<td></td>
</tr>
<tr>
<td>1:33 PM</td>
<td>TCT 314: Factors influencing Bioresorbable vs Metallic Stent Recoil and Underexpansion In Vivo Independent of Atherosclerosis: Angiographic Study in Normal Porcine Coronary Arteries</td>
<td>Nicolas Isaza</td>
</tr>
<tr>
<td>1:40 PM</td>
<td>Discussion</td>
<td></td>
</tr>
</tbody>
</table>
12:45 PM - 1:45 PM

Computational Fluid Dynamics (CT-FFR, QFR, Intravascular Imaging-FFR, and others) I

Moderators: James K. Min, Wojtek Wojakowski
Discussants: Peter J. Fitzgerald, Juan Luis Gutierrez-Chico, Marco Zimarino

12:45 PM  TCT 305: Comparison of 2D QCA 3D QCA and Coronary Angiography Derived FFR in Predicting Myocardial Ischemia Assessed By D SPECT
Lecturers: Neng Dai

12:52 PM  Discussion

12:57 PM  TCT 306: Angiography Derived Functional Assessment of Non Culprit Stenoses With Quantitative Flow Ratio At the Time of ST Elevation Myocardial Infarction
Lecturers: Hernan Mejia-Renteria

1:04 PM  Discussion

1:09 PM  TCT 307: Mechanism Triggering Acute Coronary Syndrome By Rupturing Plaque Based on the Cavitation Phenomenon Bubble Formation and Explosion At the Distal Left Main Bifurcation By Computational Fluid Dynamic Study
Lecturers: Phuc Luong

1:16 PM  Discussion

1:21 PM  TCT 308: Comparison Between Fractional Flow Reserve FFR and Computational Fractional Flow Reserve Derived From Three Dimensional intravascular Ultrasound FFR Ivs Percentage of Diameter Stenosis By Visual Estimation and Bi Dimensional Quantitative Co
Lecturers: Alexandre Hideo-Kajita

1:28 PM  Discussion

1:33 PM  TCT 309: Angiography Derived Fractional Flow Reserve in the SYNTAX II Trial: Diagnostic Accuracy of QFR and Clinical Prognostic Value of Functional SYNTAX Score Derived From QFR
Lecturers: Taku Asano

1:40 PM  Discussion

MODERATED POSTER SESSION: LMCA DISEASE AND INTERVENTION I

SATURDAY, SEPTEMBER 22, 2018
12:45 PM - 1:45 PM
Moderated Posters 4, Exhibit Hall, Ground Level

12:45 PM  LMCA Disease and Intervention I
Moderators: Davide Capodanno
Discussants: Ning Guo, Stefan Harb, Talib Majwal, Lucian Marius Predescu, Jose M. de la Torre Hernandez

12:45 PM  TCT 290: Drug Eluting Balloon Catheters in the Endovascular Treatment of Patients With True Left Main Bifurcation Lesions
Lecturers: Danii Maximkin

12:52 PM  Discussion

12:57 PM  TCT 291: Impact of Chronic Kidney Disease on Left Main Coronary Artery Disease Undergoing Percutaneous Coronary Intervention IRIS MAIN Registry
Lecturers: Jee Hyuk Kim

1:04 PM  Discussion

1:09 PM  TCT 292: Superimposed Stents for Suboptimal Immediate Angiographic Result in Left Main Coronary Artery Lesions After Implantation of A First Stent Angiographic and Clinical Outcomes
Lecturers: Karl Isaaz

1:16 PM  Discussion

1:21 PM  TCT 293: Incidence Procedural Aspects and Prognosis of Percutaneous Coronary Intervention of Unprotected Left Main Coronary Artery Disease in Patients With ST Segment Elevation Myocardial Infarction
Lecturers: Victoria Vilalta

1:28 PM  Discussion

1:33 PM  TCT 294: Long Term Outcome of Unprotected Left Main Coronary Artery Disease: Comparison Between Coronary Artery Bypass Grafting CABG and Percutaneous Coronary Intervention PCI in Korean Single Center
Lecturers: Moo Hyun Kim
MODERATED POSTER SESSION: MISCELLANEOUS TAVR COMPLICATIONS I

SATURDAY, SEPTEMBER 22, 2018
12:45 PM - 1:45 PM
Moderated Posters 5, Exhibit Hall, Ground Level

12:45 PM - 1:45 PM
Miscellaneous TAVR Complications I
Moderators: Philippe Genereux, Susheel K. Kodali
Discussants: Saif Anwaruddin, Colin M. Barker, Stephan M. Ensminger, Marek Grygier, Fabien Praz

12:45 PM
TCT 295: Differential Prognostic Value of Galectin 3 According to Levels of Carbohydrate Antigen 125 in Transcatheter Aortic Valve Implantation
Lecturers: Tobias Rheude

12:52 PM
Discussion

12:57 PM
TCT 296: Cardiac Surgery Compared to Antibiotics Only in Patients Developing Infective Endocarditis After Transcatheter Aortic Valve Replacement
Lecturers: Norman Mangner

1:04 PM
Discussion

1:09 PM
TCT 297: Influence of Valve Type on Thrombocytopenia Following Transcatheter Aortic Valve Implantation TAVI
Lecturers: Sally Hickman

1:16 PM
Discussion

1:21 PM
TCT 298: Autoimmune Connective Tissue Diseases Are Associated With Increased Infectious Complications After TAVR
Lecturers: Sarah Rudasill

1:28 PM
Discussion

1:33 PM
TCT 299: Pulse Wave Velocity and Aortic Distensibility in Patients With Hypertensive Response Post Transcatheter Aortic Valve Replacement
Lecturers: Eyal Ben Assa

1:40 PM
Discussion

MODERATED POSTER SESSION: PCI IN HIGH BLEEDING RISK (HBR) PATIENTS I

SATURDAY, SEPTEMBER 22, 2018
12:45 PM - 1:45 PM
Moderated Posters 6, Exhibit Hall, Ground Level

12:45 PM - 1:45 PM
PCI in High Bleeding Risk (HBR) Patients I
Moderators: Robert W. Yeh
Lecturers: Mariann Gyöngyösi
Discussants: Zuzana Motovska, Vincent J. Pompili, Adhir Shroff

12:45 PM
TCT 300: Feasibility and Clinical Impact of Esophagogastroduodenoscopy Within 7 Days in Patients Receiving Coronary Stent Due to ST Segment Elevation Myocardial Infarction
Lecturers: Sang Min Park

12:52 PM
Discussion

12:57 PM
TCT 301: CHA2DS2 VASC Score is Highly Predictive of In Hospital Mortality and Procedural Complications in Patients With Acute Coronary Syndrome Undergoing Percutaneous Coronary Intervention
Lecturers: Ashraf Abgroun

1:04 PM
Discussion

1:09 PM
TCT 302: A Simple CHA2DD2 VASC Derived Score for Assessing Long Term Prognosis in STEMI Patients CardioCHUS STEMI Registry
Lecturers: Alfredo Redondo Diéguez

1:16 PM
Discussion

1:21 PM
TCT 303: Association of CHADVASC Score With Hemorrhagic Stroke in Patients Undergoing Fibrinolytic Therapy for ST Elevation Myocardial Infarction
Lecturers: Gbolahan Ogunbayo

1:28 PM
Discussion

1:33 PM
TCT 304: Long Term Clinical Outcomes in Acute Coronary Syndrome Patients At High Bleeding Risk Undergoing PCI With Implantation of Everolimus Eluting Stents: Results From the Patient Level Pooled Analysis of EES Post Approval Studies
MODERATED POSTER SESSION: PERI-DEVICE LEAKS

SATURDAY, SEPTEMBER 22, 2018
12:45 PM - 1:45 PM
Moderated Posters 1, Exhibit Hall, Ground Level

12:45 PM - 1:45 PM
Peri-Device Leaks
Moderators: Linda D. Gillam, Pinak B. Shah
Discussants: Cameron Dowling, Omer Goktekin

12:45 PM  TCT 275: Percutaneous Transapical Left Ventricular Access to Treat Paravalvular Leak and Ventricular Septal Defect Is Clinically Effective and Associated With infrequent Adverse Events
Lecturers: Joseph Venturini

12:52 PM  Discussion

12:57 PM  TCT 276: Percutaneous Treatment of Residual Leaks After Left Atrial Appendage Closure
Lecturers: Marcus Sandri

1:04 PM  Discussion

1:09 PM  TCT 277: Safety and Feasibility of Trans Catheter Interruption of Ruptured Sinus of Valsalva Aneurysm RSOVA Using the Cocoon Duct Occluder CDO: Immediate Results and Mid Term Follow Up
Lecturers: Puneet Aggarwal

1:16 PM  Discussion

1:21 PM  TCT 278: Incidence Characteristics and Management of Residual Peri Device Leak After Percutaneous Left Atrial Appendage Occlusion
Lecturers: Zakeih Chaker

1:28 PM  Discussion

1:33 PM  TCT 279: Elective Percutaneous Paravalvular Leak Closure Under Monitored Anesthesia Care: The Safety of Conscious Sedation With Intra Procedural Tee for PVL Repair
Lecturers: Ali Abdul Jabbar

1:40 PM  Discussion

MODERATED POSTER SESSION: VULNERABLE PLAQUES AND VULNERABLE PATIENTS I

SATURDAY, SEPTEMBER 22, 2018
12:45 PM - 1:45 PM
Moderated Posters 2, Exhibit Hall, Ground Level

12:45 PM - 1:45 PM
Vulnerable Plaques and Vulnerable Patients I
Moderators: Akiko Maehara, Peter H. Stone
Discussants: Maurice Buchbinder, Germano Di Sciascio, Konstantinos Toutouzas, Zhao Wang

12:45 PM  TCT 280: Usefulness of White Blood Cell Count to Mean Platelet Volume Ratio for Predicting Long Term Prognosis After Primary Percutaneous Coronary Intervention in Patients With Acute Coronary Syndrome
Lecturers: Na Xu

12:52 PM  Discussion

12:57 PM  TCT 281: Validation of Computed Tomography Leaman Score for Risk Assessment of Patients Treated By Percutaneous Coronary Intervention
Lecturers: Simone Kim

1:04 PM  Discussion

1:09 PM  TCT 282: Unstable Coronary Microvascular Physiology The Critical Relationship of Patency and Perfusion Pressure Assessed By Controlled Flow Infusion
Lecturers: Robert S. Schwartz

1:16 PM  Discussion

1:21 PM  TCT 283: Increase in Carotid Inflammation in Patients With CAD Independently Predicts Two Year MACE
Lecturers: Konstantinos Toutouzas

1:28 PM  Discussion
<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Lecturers</th>
<th>Discussions</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:45 PM</td>
<td><strong>Coronary Computed Tomography Angiography Defined Low Attenuation Plaque to Predict True Lipidic Plaque Determined By Combined Intravascular Imaging</strong></td>
<td>Rafal Wolny</td>
<td></td>
</tr>
<tr>
<td>1:45 PM</td>
<td><strong>LMCA Disease and Intervention II</strong></td>
<td>Moderators: Anthony H. Gershlick, Marco V. Wainstein</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>TCT 329: Prospective Evaluation of Drug Eluting Self Apposing Stent for the Treatment of Unprotected Left Main Coronary Artery Disease 1 Year Results of the TRUNC Study</strong></td>
<td>Corrado Tamburino</td>
<td>Discussion</td>
</tr>
<tr>
<td>1:52 PM</td>
<td><strong>TCT 330: One Year Effectiveness and Safety of Self Apposing Stentys Drug Eluting Stent in Left Main Coronary Artery PCI Multicentre LM STENTYS Registry</strong></td>
<td>Wojciech Wanha</td>
<td>Discussion</td>
</tr>
<tr>
<td>2:04 PM</td>
<td><strong>TCT 331: Secular Trends of Characteristics Treatments and Long Term Outcomes in Patients With Ostial Or Mid Shaft Left Main Coronary Artery Disease</strong></td>
<td>Yong-Hoon Yoon</td>
<td>Discussion</td>
</tr>
<tr>
<td>2:16 PM</td>
<td><strong>TCT 332: Serial IVUS Substudy Results From J Lesson: Japan Unprotected Left Main Coronary Artery Disease PCI Strategy on New Generation Stents</strong></td>
<td>Akiko Moehara</td>
<td>Discussion</td>
</tr>
<tr>
<td>2:28 PM</td>
<td><strong>TCT 333: Role of Optical Coherence Tomography Acknowledged for Left Main Stem Angioplasty the ROCK Cohort I Study</strong></td>
<td>Bernardo Cortese</td>
<td>Discussion</td>
</tr>
<tr>
<td>2:40 PM</td>
<td><strong>LMCA Disease and Intervention II</strong></td>
<td>Moderators: Anthony H. Gershlick, Marco V. Wainstein</td>
<td></td>
</tr>
<tr>
<td>1:45 PM</td>
<td><strong>Management of In-stent Restenosis I</strong></td>
<td>Moderators: Christian W. Hamm, Detlef G. Mathey</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>TCT 339: Paclitaxel Eluting Balloon vs Everolimus Eluting Stent in Patients With Diabetes Mellitus and In Stent Restenosis Insights From the Randomized DARE Trial</strong></td>
<td>Bimmer E. Claessen</td>
<td>Discussion</td>
</tr>
<tr>
<td>1:52 PM</td>
<td><strong>TCT 340: Influence of Neoatherosclerosis on Long Term Outcome of Patients With in Stent Restenosis Treated With Paclitaxel Coated Balloon or Everolimus Eluting Stent Insights From Pooled Ribs IV and V Randomized Trials</strong></td>
<td>Nieves Gonzalo</td>
<td>Discussion</td>
</tr>
<tr>
<td>2:04 PM</td>
<td><strong>TCT 341: Results of Percutaneous Coronary Intervention in Restenosis Lesions With Second Generation Paclitaxel Coated Balloons At a Long Term Follow up</strong></td>
<td>Ignacio Sanchez-Perez</td>
<td>Discussion</td>
</tr>
<tr>
<td>2:16 PM</td>
<td><strong>TCT 342: Excimer Laser Lesion Modification In Stent Restenosis and Non Optimal Dilated Stents the ELMRegistry</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
TCT 343: Variations in Efficacy and Safety Over Time Between Drug Coated Balloon and Drug Eluting Stent for the Treatment of Coronary In Stent Restenosis Results From the DAEDALUS Study
Lecturers: Daniele Giacoppo
Discussion

TCT 344: Comparison of Tissue Prolapse After Stent Deployment At Culprit Lesion and Non Culprit Lesion in Acute Myocardial Infarction
Lecturers: Hyuck Jun Yoon
Discussion

TCT 345: Optical Coherence Tomography Appraisal of Residual Thrombus Burden in Patients With ST Segment Elevation Myocardial Infarction Undergoing Bivalirudin vs Unfractionated Heparin Infusion the MATRIX Minimizing Adverse Haemorrhagic Events By Transra
Lecturers: Hector M. Garcia-Garcia
Discussion

TCT 346: Primary PCI in STEMI With Sirolimus Eluting Fantom Biodegradable Vascular Scaffold First Guided With Optical Coherence Tomography Acute Results From a Fantom STEMI Pilot Study
Lecturers: Piotr Wacinski
Discussion
MODERATED POSTER SESSION: SYNTAX SCORE AND SYNTAX TRIAL STUDIES I

SATURDAY, SEPTEMBER 22, 2018
1:45 PM - 2:45 PM
Moderated Posters 2, Exhibit Hall, Ground Level

1:45 PM - 2:45 PM
SYNTAX Score and SYNTAX Trial Studies I
Moderators: Petr Kala, Patrick W. Serruys
Discussants: Mohammad El Tahhawi, Javier Escaned, Margaret B. McEntegart, John A. Ormiston, Nadia R Sutton

1:45 PM
TCT 320: Impact of Preprocedural High Sensitivity C Reactive Protein LDL C and Syntax Score on Outcomes Following Percutaneous Coronary Intervention
Lecturers: Anton Camaj

1:52 PM
Discussion

1:57 PM
TCT 321: Multicenter Validation of the Simplified SYNTAX Score – An Accurate Memorizable Tool for Rapid Objective Assessment of Anatomical Complexity
Lecturers: Sonya Burgess

2:04 PM
Discussion

2:09 PM
TCT 322: Agreement Between Coronary CTA and Conventional Angiography on the SYNTAX Score Tertiles Stratified By Anatomical Complexity in the SYNTAX III Revolution Trial
Lecturers: Yoshinobu Onuma

2:16 PM
Discussion

2:21 PM
TCT 323: Comparison of the Prognostic Predictive Value of the SYNTAX II and NERS II Risk Scores in Unprotected Left Main Percutaneous Coronary Intervention
Lecturers: Xacobe Flores-Rios

2:28 PM
Discussion

MODERATED POSTER SESSION: TAVR AND CAD I

SATURDAY, SEPTEMBER 22, 2018
1:45 PM - 2:45 PM
Moderated Posters 1, Exhibit Hall, Ground Level

1:45 PM - 2:45 PM
TAVR and CAD I
Moderators: Horst Sievert
Discussants: Philipp Blanke, John K. Forrest, Elvin Kedhi, Nicholas N. Kipshidze, Grayson H. Wheatley

1:45 PM
TCT 315: Correlation Between Fractional Flow Reserve and Non Invasive Myocardial Perfusion Imaging in Patients With Severe Aortic Stenosis and Coronary Artery Disease
Lecturers: Roberto Scarsini

1:52 PM
Discussion

1:57 PM
TCT 316: Percutaneous Coronary Intervention Before Transcatheter Aortic Valve Replacement
Lecturers: Franco Fabbrocchi

2:04 PM
Discussion

2:09 PM
TCT 317: Impact of Coronary Artery Disease on Transcatheter Aortic Valve Replacement Outcome
Lecturers: Paolo Olivares
MODERATED POSTER SESSION: TREATMENT OF PULMONARY EMBOLISM

SATURDAY, SEPTEMBER 22, 2018
1:45 PM - 2:45 PM
Moderated Posters 3, Exhibit Hall, Ground Level

1:45 PM - 2:45 PM
Treatment of Pulmonary Embolism
Moderators: Stephane Noble, Victor F. Tapson
Discussants: Gregory Piazza

1:45 PM
TCT 324: A Five Year and Single Centre Experience on Ultrasound Assisted Catheter Directed Thrombolysis in Patients With Pulmonary Embolism At High Risk and Intermediate High Risk
Lecturers: Cihangir Kaymaz

1:52 PM
Discussion

1:57 PM
TCT 325: Quality of Life After Ultrasound Assisted vs Standard Catheter Directed Thrombolysis for Acute Pulmonary Embolism - A Multi Center Experience
Lecturers: Gaurav Rao

2:04 PM
Discussion

2:09 PM
TCT 326: Catheter Directed Thrombolytic Therapy and Aspiration Thrombectomy in Intermediate Pulmonary Embolism Long Term Results
Lecturers: Zoltan Ruzsa

2:16 PM
Discussion

2:21 PM
TCT 327: Single Center Experience on Percutaneous Rheolytic Thrombectomy in Patients With Pulmonary Embolism At High Risk Or Intermediate High Risk
Lecturers: Ozgur Akbal

2:28 PM
Discussion

2:33 PM
TCT 328: Endovascular Treatment With Catheter Directed Thrombolysis in Patients With Acute Massive and Submassive Pulmonary Embolism
Lecturers: Ivo Petrov

2:40 PM
Discussion

MODERATED POSTER SESSION: VALVE-IN-VALVE PROCEDURES II

SATURDAY, SEPTEMBER 22, 2018
1:45 PM - 2:45 PM
Moderated Posters 5, Exhibit Hall, Ground Level

1:45 PM - 2:45 PM
Valve-in-Valve Procedures II
Moderators: Howard C. Herrmann, Mathew Williams
Discussants: Markus Florian Krakhardt, Axel Linke, Adam Witkowski

1:45 PM
TCT 374: Mitral Prosthetic Fracture to Facilitate Transcatheter Mitral Procedures: Results of in Vitro Bench Testing
Lecturers: Dawn Hui, MD

1:52 PM
Discussion

1:52 PM
TCT 375: Current Generation Balloon Expandable Transcatheter Valve Positioning During Aortic Valve in Valve Procedures and Clinical Outcomes
Lecturers: Matheus Simonato, MD

1:59 PM
Discussion

2:04 PM
TCT 376: Bioprosthetic Valve Fracture to Improve Hemodynamic Function Following Aortic Valve in Valve Implantation With CT Follow Up
Lecturers: Abdullah Alenezi, MD
MODERATED POSTER SESSION: COMPUTATIONAL FLUID DYNAMICS (CT-FFR, QFR, INTRAVASCULAR IMAGING-FFR, AND OTHERS) II

SATURDAY, SEPTEMBER 22, 2018
2:45 PM - 3:45 PM
Moderated Posters 7, Exhibit Hall, Ground Level

2:45 PM - 3:45 PM
Computational Fluid Dynamics (CT-FFR, QFR, Intravascular Imaging-FFR, and others) II
Moderators: Paul Knaapen, Philip M. Urban
Discussants: Thomas Engstroem, Arnold Seto

2:45 PM
TCT 383: Clinical Utility of A Novel On Site Virtual Fractional Flow Reserve Parallel Computing System: Comparison With invasive Fractional Flow Reserve
Lecturers: Hyung-Bok Park, MD

2:52 PM
Discussion

2:57 PM
TCT 384: Diagnostic Utility of Noninvasive Fractional Flow Reserve Derived From Coronary Computed Tomography Angiography in Patients With Stable Coronary Artery Disease
Lecturers: Hiroaki Sawada, MD

3:04 PM
Discussion

3:09 PM
TCT 385: Diagnostic Performance of Noninvasive Fractional Flow Reserve Derived From Computed Tomography in Diabetic Patients
Lecturers: Shinichiro Sakurai, MD

3:16 PM
Discussion

3:21 PM
TCT 386: Ethnic Differences in Coronary Luminal Volume Left Ventricular Mass and CT Derived Fractional Flow Reserve
Lecturers: Abdul Rahman Idayhid, MD

3:28 PM
Discussion

3:33 PM
TCT 387: Morphological Correlates of Symptomatic Progression After Coronary Computed Tomography Angiography Derived High Risk Lesions Are Assessed By Optical Coherence tomography
Lecturers: Mitsuaki Matsumura, MD

3:40 PM
Discussion

MODERATED POSTER SESSION: CRITICAL LIMB ISCHEMIA

SATURDAY, SEPTEMBER 22, 2018
2:45 PM - 3:45 PM
Moderated Posters 3, Exhibit Hall, Ground Level

2:45 PM - 3:45 PM
Critical Limb Ischemia
Moderators: Emerson C. Perin, Christopher J. White
Discussants: J. Michael Bacharach, Subhash Banerjee, Michael R. Jaff

2:45 PM
TCT 364: Percutaneous Deep Vein Arterialization for the Treatment of Late Stage Critical Limb Ischemia The PROMISE Trial: Early Feasibility Interim Results
Lecturers: Jihad Mustapha

2:52 PM
Discussion

2:57 PM
TCT 365: Contemporary Outcomes in No Option Chronic Critical Limb Ischemia A Systematic Review and Meta Analysis
Lecturers: Mohammed Imran Ghare

3:04 PM
Discussion

3:09 PM
TCT 366: Endovascular vs Surgical Revascularization for Acute Lower Limb Ischemia
Lecturers: Tariq Enezate

3:16 PM
Discussion

3:21 PM
TCT 367: First Report Showing the Very Long Term Outcomes of Therapeutic Angiogenesis Using Bone Marrow Derived Mononuclear Cell Therapy in No Option Critical Limb Ischemia Patients With Scleroderma
Lecturers: Keisuke Shoji
3:28 PM Discussion

3:33 PM TCT 368: Feasibility and Outcomes of Endovascular Treatment of Infrapopliteal Peripheral Arterial Disease in Patients With Critical Limb Ischemia Retrograde Tibiopedal Access Approach
Lecturers: Apurva Patel
3:40 PM Discussion

MODERATED POSTER SESSION: HEART TEAM STUDIES

SATURDAY, SEPTEMBER 22, 2018
2:45 PM - 3:45 PM
Moderated Posters 2, Exhibit Hall, Ground Level

2:45 PM - 3:45 PM
Heart Team Studies
Moderators: Stuart J. Head, A. Pieter Kappetein
Discussants: Costantino Del Giudice, Isaac George, Arun Kalyanasundaram, Alfredo Trento, Dominik M. Wiktor

2:45 PM TCT 359: Improving Management of Cardiogenic Shock The INOVA Heart and Vascular Institute Standardized Team Based Approach
Lecturers: Behnam Tehrani
2:52 PM Discussion

2:57 PM TCT 360: Assessment of Heart Teams Treatment Decision Variability Insights From the SYNTAX III Revolution Trial
Lecturers: Yoshinobu Onuma
3:04 PM Discussion

3:09 PM TCT 361: Heart Team Approach to CAD Management in Patients Undergoing Elective Vascular Surgery Who Have Asymptomatic Ischemia Producing Coronary Stenosis
Lecturers: Andrejs Erglis
3:16 PM Discussion

3:21 PM TCT 362: Checking the Reality of the SYNTAX III Revolution Trial Comparison of the Virtual Heart Team Decision With the Treatment Executed
Lecturers: Jeroen Sonck
3:28 PM Discussion

3:33 PM TCT 363: Impact of the Heart Team in Decision Making in Patients With Severe Aortic Stenosis Data From the IMPULSE Registry
Lecturers: Stefano Salizzoni
3:40 PM Discussion

MODERATED POSTER SESSION: NEW POLYMERIC BIORESORBABLE VASCULAR SCAFFOLDS I

SATURDAY, SEPTEMBER 22, 2018
2:45 PM - 3:45 PM
Moderated Posters 8, Exhibit Hall, Ground Level

2:45 PM - 3:45 PM
New Polymeric Bioresorbable Vascular Scaffolds I
Moderators: Lorenz Raber, Ashok Seth
Discussants: Arif Al Nooryani, Rafa Depukat, Andrejs Erglis, Nicolas Foin, Marvin J. Slepian

2:45 PM TCT 388: Real World Follow Up One Year of the Novel MeRes100
Lecturers: Marcos Ortega, MD
2:52 PM Discussion

2:57 PM TCT 389: Pre Clinical Evaluation of a Novel Thin Strut 85 m Ultra High Molecular Weight PLLA Sirolimus Eluting Bioresorbable Scaffold: A Comparative Multi Modality Imaging Based Study
Lecturers: Marco Ferrone, MD
3:04 PM Discussion

3:09 PM TCT 390: Impact of Strut Thickness on Radial Force and Late Vascular Recoil of a Novel Thin Strut Ultra High Molecular Weight PLLA Sirolimus Eluting Bioresorbable Coronary Scaffold
Lecturers: Nicolas Isaza, MD
3:16 PM Discussion
TCT 391: Post Implantation Shear Stress Analysis An Emerging Tool for Differentiation in Bioresorbable Scaffolds
Lecturers: Erhan Tenekecioglu, MD

TCT 392: A First in Man Study of the Bioheart Sirolimus Eluting Bioresorbable Scaffold in Patients With Coronary Artery Disease One Year Clinical and Imaging Outcomes
Lecturers: Bo Xu

MODERATED POSTER SESSION: OPTIMAL DIAGNOSIS AND TREATMENT OF PATIENTS WITH STEMI OR NSTEMI I

SATURDAY, SEPTEMBER 22, 2018
2:45 PM - 3:45 PM
Moderated Posters 6, Exhibit Hall, Ground Level

2:45 PM - 3:45 PM
Optimal Diagnosis and Treatment of Patients with STEMI or NSTEMI I
Moderators: Francisco Fdez-Aviles
Discussants: Alejandro Cherro, Peter I Duffy, Konstantinos P. Tsioufis, Azfar G. Zaman

2:45 PM
TCT 378: Angiographic Echocardiographic and Clinical Outcomes Among STEMI Patients With Pre Infarction Angina Undergoing Primary Percutaneous Coronary Intervention
Lecturers: Hosam Hasan, MD

2:52 PM
Discussion

2:57 PM
TCT 379: Effect of Family Characteristics on Therapeutic Delay in Patients With ST Elevation Myocardial Infarction
Lecturers: Yukio Mizuguchi, MD

3:04 PM
Discussion

3:09 PM
TCT 380: Impact of Direct Stenting on Myocardial Injury Assessed By Cardiac Magnetic Resonance Imaging and Prognosis in ST Elevation Myocardial Infarction
Lecturers: Mohammed Saad, MD

3:16 PM
Discussion

3:21 PM
TCT 381: The SCAMI NSTEMI Score: A Simplified Risk Score Based on China Acute Myocardial Infarction Registry to Predict In Hospital Mortality of Non ST Segment Elevation Myocardial Infarction Patients
Lecturers: Rui Fu, MD

3:28 PM
Discussion

3:33 PM
TCT 382: Safety of 2 Day Discharge Following PPCI in STEMI Patients
Lecturers: Manish Ramlall, MD

3:40 PM
Discussion

MODERATED POSTER SESSION: TAVR, STROKE, AND EMBOLIC PROTECTION I

SATURDAY, SEPTEMBER 22, 2018
2:45 PM - 3:45 PM
Moderated Posters 1, Exhibit Hall, Ground Level

2:45 PM - 3:45 PM
TAVR, Stroke, and Embolic Protection I
Moderators: Peter Wenaweser
Discussants: Anthony A. Bavry, Francesco Bedogni, Jaya Chandrasekhar, Chad Kliger, Henrique B. Ribeiro

2:45 PM
TCT 354: Preprocedural Left Heart Debris Identified By TEE Does Not Appear to Be a Risk Factor for Stroke During TAVR
Lecturers: Addis Asfaw

2:52 PM
Discussion

2:57 PM
TCT 355: Stroke After Transcatheter vs Surgical Aortic Valve Replacement A Meta Analysis of Randomized Trials and Propensity Matched Observational Studies
Lecturers: Kuldeep Shah

3:04 PM
Discussion

3:09 PM
TCT 356: Correlation of Neuromarkers and Brain Injury After TAVR Results From CLEAN TAVI Trial
Lecturers: Stephan Haussig
### MODERATED POSTER SESSION: TECHNICAL ASPECTS OF CTO INTERVENTIONS II

**SATURDAY, SEPTEMBER 22, 2018**

**2:45 PM - 3:45 PM**

*Moderated Posters 4, Exhibit Hall, Ground Level*

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Lecturers</th>
</tr>
</thead>
<tbody>
<tr>
<td>2:45 PM</td>
<td><strong>TCT 369:</strong> Antegrade Wire Escalation With Composite Core Dual Coil Wire Technology in the Treatment of Coronary Chronic Total Occlusions</td>
<td>Jeffrey Rossi, MD</td>
</tr>
<tr>
<td>2:52 PM</td>
<td><strong>Discussion</strong></td>
<td></td>
</tr>
<tr>
<td>2:57 PM</td>
<td><strong>TCT 370:</strong> Increased Specialisation of Chronic Total Occlusion PCI Improves Success Rates But Increases Procedural Complexity: A Single Centre Experience</td>
<td>Leong Lee, MD</td>
</tr>
<tr>
<td>3:04 PM</td>
<td><strong>TCT 371:</strong> Antegrade Fenestration and Re Entry: A Novel Subintimal Technique for Chronic Total Occlusion Recanalization</td>
<td>Lorenzo Azzalini, MD</td>
</tr>
<tr>
<td>3:11 PM</td>
<td><strong>Discussion</strong></td>
<td></td>
</tr>
<tr>
<td>3:16 PM</td>
<td><strong>TCT 372:</strong> Pooled Analysis of Collateral Channel Type and Morphology During Retrograde Chronic Total Occlusion Percutaneous Coronary Intervention</td>
<td>Sudhir Rathore</td>
</tr>
<tr>
<td>3:23 PM</td>
<td><strong>Discussion</strong></td>
<td></td>
</tr>
<tr>
<td>3:28 PM</td>
<td><strong>TCT 373:</strong> Safety and Efficacy of Transradial vs Transfemoral Approach for Chronic Total Occlusion: A Meta Analysis</td>
<td>Muhammad Khalid, MD</td>
</tr>
<tr>
<td>3:35 PM</td>
<td><strong>Discussion</strong></td>
<td></td>
</tr>
</tbody>
</table>

### MODERATED POSTER SESSION: VALVE-IN-VALVE PROCEDURES I

**SATURDAY, SEPTEMBER 22, 2018**

**2:45 PM - 3:45 PM**

*Moderated Posters 5, Exhibit Hall, Ground Level*

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Lecturers</th>
</tr>
</thead>
<tbody>
<tr>
<td>2:45 PM</td>
<td><strong>TCT 334:</strong> Treatment of Degenerated Aortic Bioprostheses A Comparison Between Valve In Valve Transfemoral Transcatheter Aortic Valve Replacement and Conventional Reoperation</td>
<td>Norman Mangner</td>
</tr>
<tr>
<td>2:52 PM</td>
<td><strong>Discussion</strong></td>
<td></td>
</tr>
<tr>
<td>2:57 PM</td>
<td><strong>TCT 335:</strong> Predictors of Elevated Gradients After Transcatheter Aortic Valve Replacement for Failing Bioprosthetic Aortic Valve Replacement</td>
<td>Robert L. Richmond</td>
</tr>
<tr>
<td>3:04 PM</td>
<td><strong>Discussion</strong></td>
<td></td>
</tr>
<tr>
<td>3:09 PM</td>
<td><strong>TCT 336:</strong> Transfemoral TAVR Treatment of Failing Aortic Valve Bioprostheses Mid Term Results and Outcome</td>
<td>Felix Woitek</td>
</tr>
<tr>
<td>3:16 PM</td>
<td><strong>Discussion</strong></td>
<td></td>
</tr>
<tr>
<td>3:21 PM</td>
<td><strong>TCT 337:</strong> The Effect of Transcatheter Laceration of Degenerated Bioprosthetic Valve Leaflets on the Likelihood of Leaflet Thrombosis Following Transcatheter Aortic Valve In Valve Implantation A Computational Simulation Study</td>
<td></td>
</tr>
</tbody>
</table>
MODERATED POSTER SESSION: INTRAVASCULAR IMAGING, PCI, AND LONG-TERM OUTCOMES II

SATURDAY, SEPTEMBER 22, 2018
3:45 PM - 4:45 PM
Moderated Posters 7, Exhibit Hall, Ground Level

3:45 PM - 4:45 PM
Intravascular Imaging, PCI, and Long-Term Outcomes II
Moderators: Peter H. Stone, Alan C. Yeung
Discussants: Olli A. Kajander, Elias Sanidas, Shiro Uemura, Mladen I. Vidovich

3:45 PM TCT 423: Incidence and Prognostic Impact of the Calcified Nodule in Coronary Artery Disease Patients on Hemodialysis
Lecturers: Akihiko Okamura
3:52 PM Discussion
Lecturers: Diaa Hakim
4:04 PM Discussion
4:09 PM TCT 425: Impact of External Elastic Lamina Diameter Based Sizing vs Lumen Diameter Based Sizing on Early Vascular Healing
Lecturers: Wataru Sasaki
4:16 PM Discussion
4:21 PM TCT 426: Relationship Between Lesion Characteristics as Assessed By intravascular Ultrasound and Clinical Outcomes VAMPIRE 3 IVUS Substudy
Lecturers: Nobuhiko Maejima
4:28 PM Discussion
4:33 PM TCT 427: Role of Residual Stent Under Expansion Ersus In Stent Minimum Lumen Area in Percutaneous Coronary Intervention Outcome A CLI OPCI Project Substudy
Lecturers: Enrico Romagnoli
4:40 PM Discussion

MODERATED POSTER SESSION: NEW POLYMERIC BIORESORBABLE VASCULAR SCAFFOLDS II

SATURDAY, SEPTEMBER 22, 2018
3:45 PM - 4:45 PM
Moderated Posters 8, Exhibit Hall, Ground Level

3:45 PM - 4:45 PM
New Polymeric Bioresorbable Vascular Scaffolds II
Discussants: Antoine Lafont, Sigmund Silber

3:45 PM TCT 428: A First in Man Study of the Firesorb Sirolimus Target Eluting Bioresorbable Vascular Scaffold in Patients With Coronary Artery Disease FUTURE I: Two Year Clinical and Imaging Outcomes
Lecturers: Bo Xu
3:52 PM Discussion
3:57 PM TCT 429: A Randomized Trial Comparing A Novel Sirolimus Eluting Bioresorbable Scaffold With Everolimus Eluting Metallic Stents in Patients With Coronary Artery Disease: Two Year Clinical Outcomes
Lecturers: Yaling Han
4:04 PM Discussion
4:09 PM TCT 430: In Vitro and Preclinical Evaluation of a Thin Strut Bioresorbable Scaffold: Results From Bench Testing and Acute Phase Study in a Non Atherosclerotic Porcine Model
Lecturers: Yuki Katagiri
Discussion

4:21 PM  
**TCT 431: Twenty Four Months Healing Patterns After Implantation of the Fantom Biodegradable Scaffold Evaluated By Optical Coherence Tomography**
Lecturers: Emil Holck

Discussion

4:33 PM  
**TCT 432: Fantom II Trial: Safety Performance Study of the Fantom Sirolimus Eluting Biodegradable Coronary Scaffold 24 Month Follow Up Clinical Outcomes Final Results**
Lecturers: Georgios Bouras

Discussion

---

**MODERATED POSTER SESSION: NON-ATHEROSCLEROSIS CORONARY ARTERY DISEASE I**

SATURDAY, SEPTEMBER 22, 2018
3:45 PM - 4:45 PM
Moderated Posters 2, Exhibit Hall, Ground Level

3:45 PM - 4:45 PM
**Non-atherosclerosis Coronary Artery Disease I**
Moderators: Bernard J. Gersh, Alice K. Jacobs
Discussants: Fernando Alfonso, Rajiv Gulati, Jacek Legutko, Jose L. Leiva-Pons, Michelle O'Donoghue, Iosif Xenogiannis

3:45 PM  
**TCT 398: Evaluation of Microvascular Dysfunction in Patients With Takotsubo Syndrome**
Lecturers: Domenico Nobile, MD

3:52 PM  
**Discussion**

3:57 PM  
**TCT 399: Ischemic Stroke in Patients With Takotsubo Cardiomyopathy Analysis of the National Inpatient Sample Database**
Lecturers: Shunsuke Aoi, MD

4:04 PM  
**Discussion**

4:09 PM  
**TCT 400: Prevalence of Myocardial Bridging Associated With Coronary Endothelial Dysfunction in Patients With Chest Pain and Non Obstructive Coronary Artery Disease**
Lecturers: Jaskanwal Deep Sara, MD

4:16 PM  
**Discussion**

4:21 PM  
**TCT 401: A Strategy of Percutaneous Coronary Intervention With Drug Eluting Stents for the Treatment of Cardiac Allograft Vasculopathy May Normalize Survival**
Lecturers: Richard Cheng, MD

4:28 PM  
**Discussion**

4:33 PM  
**TCT 402: Serum Uric Acid Levels Predict Long-term Adverse Cardiovascular Outcomes After Cardiac Transplantation**
Lecturers: Megha Prasad

4:40 PM  
**Discussion**

---

**MODERATED POSTER SESSION: NON-LM BIFURCATION INTERVENTION II**

SATURDAY, SEPTEMBER 22, 2018
3:45 PM - 4:45 PM
Moderated Posters 4, Exhibit Hall, Ground Level

3:45 PM - 4:45 PM
**Non-LM Bifurcation Intervention II**
Moderators: Marie-Claude Morice, Marco A. Perin
Discussants: Mamas Mamas, Stefan Mot, Sunao Nakamura, Manish A. Parikh, Afzalur Rahman, Sudhir Rathore

3:45 PM  
**TCT 408: Bifurcation and Ostial Optical Coherence Tomography Mapping BOOM Analysis of a Novel Co Registration Based Technique**
Lecturers: Evan Shlofmitz

3:52 PM  
**Discussion**

3:57 PM  
**TCT 409: Bifurcational Percutaneous Coronary Intervention in ST Elevation Myocardial Infarction**
Lecturers: Vimalraj BoganaShanmugam

4:04 PM  
**Discussion**

4:09 PM  
**TCT 410: Critical Aspects of the Final Proximal Optimization Technique POT During Bifurcation Stenting**
Lecturers: Lene Nyhus Andreassen
4:16 PM Discussion

4:21 PM TCT 411: Comparison of the Strategies for Side Branch Intervention According to Fractional Flow Reserve in Coronary Bifurcation Lesions
Lecturers: Sang-Cheol Cho

4:28 PM Discussion

4:33 PM TCT 412: Side Branch Intervention for Non Left Main True Bifurcation Lesions: Pooled Analysis of Korean Multicenter Drug Eluting Stent Cohort
Lecturers: Gyu Chul Oh

MODERATED POSTER SESSION: OBESITY IN CAD

SATURDAY, SEPTEMBER 22, 2018
3:45 PM - 4:45 PM
Moderated Posters 6, Exhibit Hall, Ground Level

3:45 PM - 4:33 PM
Obesity in CAD
Moderators: Henning Kelbaek, Michael C. Kim
Discussants: Waleed Y. Kadro, Jaikirshan Khatri, Vijay Kunadian, David J. Maron, Jean-François Tanguay

3:45 PM TCT 418: Association Between Body Mass Index and 1 Year MACCE After Acute Myocardial Infarction
Lecturers: Myun Hee Lee

3:52 PM Discussion

3:57 PM TCT 419: Effects of Body Mass Index on the Comparative Effectiveness of PCI vs CABG for Left Main Coronary Artery Disease Insights From the EXCEL Trial
Lecturers: Sabato Sorrentino

4:04 PM Discussion

4:09 PM TCT 420: The Effect of Body Mass Index on Clinical Outcomes in Patients With Acute Coronary Syndrome
Lecturers: Mesfer Alfadhel

4:16 PM Discussion

4:21 PM TCT 422: The Impact of Weight Loss on Cardiovascular Outcomes Following Percutaneous Coronary Revascularization A Contemporary Real World Experience
Lecturers: Trevor Simard

4:28 PM Discussion

MODERATED POSTER SESSION: RACIAL AND GENDER DISPARITIES IN ENDOVASCULAR AND STRUCTURAL HEART DISEASE AND INTERVENTION II

SATURDAY, SEPTEMBER 22, 2018
3:45 PM - 4:45 PM
Moderated Posters 3, Exhibit Hall, Ground Level

3:45 PM - 4:45 PM
Racial and Gender Disparities in Endovascular and Structural Heart Disease and Intervention II
Moderators: Cheryl Pegus, James P. Zidar
Discussants: Douglas E. Drachman, Roger J. Laham, Frank E. Silvestry

3:45 PM TCT 406: Elevated Uric Acid Is Associated With Increased Lesion Calcification and Increased Mortality in Women Undergoing Percutaneous Coronary Intervention
Lecturers: Megha Prasad

3:52 PM Discussion

3:57 PM TCT 403: The Surgery After Stent SAS Registry: A Gender Based Analysis on Clinical Outcomes in Women Undergoing Cardiac and Non Cardiac Surgery
Lecturers: Daniela Trabattoni

4:04 PM Discussion

4:09 PM TCT 404: Takotsubo Syndrome and Oxidative Stress in Women: What Happens to the Clot
Lecturers: Daniela Trabattoni

4:16 PM Discussion

4:21 PM TCT 405: Sex Differences and Outcomes Following Rotational Atherectomy: Do Women Receive Optimal Care
Lecturers: Tom J Ford
**MODERATED POSTER SESSION: TAVR IN BICUSPID AORTIC VALVE DISEASE**

**SATURDAY, SEPTEMBER 22, 2018**

3:45 PM - 4:45 PM

Moderated Posters 5, Exhibit Hall, Ground Level

3:45 PM - 4:45 PM

**TAVR in Bicuspid Aortic Valve Disease**

Moderators: Eric E. Roselli
Discussants: Ioannis Iakovou, Gilbert H.L. Tang

- **TCT 413**: National Trends and Outcomes of Transcatheter Aortic Valve Replacement in Patients With Bicuspid Aortic Valve Stenosis
  Lecturers: Mohamad Soud

- **TCT 414**: Patient Specific Computer Simulation to Optimise Transcatheter Heart Valve Sizing and Positioning in Bicuspid Aortic Valve Morphology
  Lecturers: Cameron Dowling

- **TCT 415**: Transcatheter Aortic Valve Implantation Using Symetis ACURATE in Bicuspid Aortic Valve Stenosis: Insights From A Multicenter Experience
  Lecturers: Antonio Mangieri

- **TCT 416**: Balloon vs Self Expandable Valve for the Treatment of Bicuspid Aortic Valve Stenosis: Insights from the BEAT International Collaborative Registry
  Lecturers: Antonio Mangieri

- **TCT 417**: Long Term Mortality of Patients Undergoing Transcatheter Aortic Valve Replacement for Bicuspid vs Tricuspid Aortic Stenosis
  Lecturers: Raymundo Quintana

**MODERATED POSTER SESSION: VASCULAR ACCESS IN STRUCTURAL HEART DISEASE PROCEDURES**

**SATURDAY, SEPTEMBER 22, 2018**

3:45 PM - 4:45 PM

Moderated Posters 1, Exhibit Hall, Ground Level

3:45 PM - 4:45 PM

**Vascular Access in Structural Heart Disease Procedures**

Moderators: Joachim Schofer

- **TCT 393**: Transcarotid Approach for TAVI With the SAPIEN 3 Prosthesis A Multicentre French Registry
  Lecturers: Pavel Overtchouk, MD

- **TCT 394**: Efficacy and Safety of Fishermans Knot Technique to Achieve Venous Haemostasis After Removal of Large Sheath 12 Fr
  Lecturers: Puneet Aggarwal

- **TCT 395**: A Propensity Matched Comparison of Suprasternal and Transfemoral Transcatheter Aortic Valve Replacement Inominate vs Femoral
  Lecturers: Anna Olds, MD

- **TCT 396**: Association of Peripheral Artery Disease With In Hospital Outcomes After Endovascular Transcatheter Aortic Valve Replacement
  Lecturers: Divyanshu Mohananey, MD
EVENING PROGRAM: AN EXPERT TRANSRADIAL Q&A PANEL: GENERATING CLINICAL AND ECONOMIC VALUE (SPONSORED BY TERUMO)

SATURDAY, SEPTEMBER 22, 2018
6:00 PM - 8:00 PM
Pacific Ballroom 21-22

EVENING PROGRAM: CHIP ANGIOGRAM REVIEW: WHAT'S NEW WITH FOCUSED CASE PRESENTATIONS (SPONSORED BY CRF, SUPPORTED BY ABBOTT, ABIOMED, INC., BOSTON SCIENTIFIC CORPORATION, BTG GROUP INTERNATIONAL, CARDIOVASCULAR SYSTEMS, INC., CORDIS, A CARDINAL HEALTH COMPANY, AND MEDTRONIC)

SATURDAY, SEPTEMBER 22, 2018
6:00 PM - 8:00 PM
Pacific Ballroom 18-19

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

6:30 PM - 8:00 PM
CHIP Angiogram Review: Rapid-Fire Case Presentations of the Good, Bad, and the Ugly
Co Chairs: Dimitri Karmpaliotis, Ajay J. Kirtane, Martin B. Leon, William L. Lombardi, Jeffrey W. Moses

- 6:30 PM Opening Remarks: CHIP Status Update
  Lecturers: Jeffrey W. Moses

- 8:00 PM Adjourn

EVENING PROGRAM: EVERYDAY ANTIPLATELET DECISIONS: MAKING THE RIGHT CHOICES (SPONSORED BY CRF, SUPPORTED BY CHIESI USA, INC.)

SATURDAY, SEPTEMBER 22, 2018
6:00 PM - 8:00 PM
Pacific Ballroom 14-17

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

6:30 PM - 8:00 PM
Everyday Antiplatelet Decisions: Making the Right Choices
Discussants: John A. Bittl, Davide Capodanno, Christian W. Hamm, Roxana Mehran, Matthew J. Price, Daniel I. Simon
Faculty: Dominick J. Angiolillo, Deepak L. Bhatt, C. Michael Gibson, Tullio Palmerini, Gregg W. Stone, Marco Valgimigli, MD, Pascal Vranckx, Robert W. Yeh

- 6:30 PM First Decision Acute Care: When to Use Potent Intravenous P2Y12 Inhibition
  Lecturers: Gregg W. Stone

- 6:40 PM Case Study 1 With Discussion: A Case in Which I Wish I had Used Potent IV P2Y12 Inhibition
  Case Presenter: Dominick J. Angiolillo

- 6:50 PM Second Decision DAPT Duration: What Variables Really Matter When Balancing Ischemic vs Bleeding Risk
  Lecturers: Deepak L. Bhatt

- 7:00 PM Case Study 2 With Discussion: DAPT Duration Decision in a Patient at High Risk for Ischemia and Bleeding
  Case Presenter: Tullio Palmerini

- 7:10 PM Third Decision Antiplatelet Monotherapy: Who Which When and Why
  Lecturers: Pascal Vranckx

- 7:20 PM Case Study 3 With Discussion: A Case for Antiplatelet Monotherapy
  Case Presenter: Marco Valgimigli, MD

- 7:30 PM Fourth Decision DAPT Use After DES in the Patient With Atrial Fibrillation: Practical Recommendations
Lecturers: C. Michael Gibson

7:40 PM  Case Study 4 With Discussion: Acute and Chronic Management of a Patient With STEMI High Thrombus Burden and Atrial Fibrillation
Case Presenter: Robert W. Yeh

7:50 PM  Unanswered Questions From the Audience

8:00 PM  Adjourn

CARDIOVASCULAR PROFESSIONALS (CVP) COURSE: 27TH ANNUAL CARDIOVASCULAR NURSE AND TECHNOLOGIST SYMPOSIUM: INTERACTIVE TRAINING WORKSHOP

SATURDAY, SEPTEMBER 22, 2018
1:00 PM - 4:00 PM
Room 6C, Upper Level

1:00 PM - 4:00 PM  Coronary Session (50 Minute Rotations)
Interactive Training Faculty: Martina Kelly Speight

2:50 PM  Break for Rotation Transition

1:00 PM - 4:00 PM  Peripheral Vascular Session (50 Minute Rotations)
Interactive Training Faculty: Jeff Davis

1:50 PM  Break for Rotation Transition

2:50 PM  Break for Rotation Transition

1:00 PM - 4:00 PM  Structural Heart Session (50 Minute Rotations)
Interactive Training Faculty: Marian C. Hawkey

1:50 PM  Break for Rotation Transition

2:50 PM  Break for Rotation Transition

FDA TOWN HALL MEETING PART 1: IMPORTANT PROGRAMS

SATURDAY, SEPTEMBER 22, 2018
2:00 PM - 6:00 PM
Room 29A-B, Upper Level

2:00 PM - 2:50 PM  Session I. Twenty Years of Town Hall Open Dialogue Between FDA, Clinicians Researchers, and Industry
Moderators: Mitchell W. Krucoff, Gregg W. Stone
Discussants: David J. Cohen, Aaron V. Kaplan, Richard E. Kuntz, Roxana Mehran, Chuck Simonton

2:00 PM  The TCT FDA Town Hall Meetings in Perspective: A Multidisciplinary Collaborative Venture
Lecturers: Martin B. Leon

2:05 PM  Keynote Lecture: FDACDRH  The Year in Review
Lecturers: William H. Maisel

2:50 PM - 3:50 PM  Session II. Patient Engagement in Clinical Trials: Strides and Tribulations
Moderators: Megan Coylewright
Discussants: Wayne B. Batchelor, Monat Fiuza, Adrian F Hernandez, Richard Lange, Manuela Negoita, Christopher O'Connor, Cheryl Pegus, John A. Spertus

2:50 PM  FDAs Patient Engagement Initiatives: How FDA Can Incorporate Patient Centered and Patient Reported Outcomes in Regulatory Decision Making
Lecturers: John C Laschinger

2:58 PM  Patient Centered Engagement in Trials: Case Example  ADAPTABLE
Case Presenter: Adrian F Hernandez
3:30 PM  Roundtable Discussion with Audience QA

3:50 PM - 5:00 PM  Session III: Evaluation and Regulation of Devices Using Machine Learning and Artificial Intelligence

Moderators: C. Michael Gibson, William H. Maisel
Discussants: Peter J. Fitzgerald, Richard E. Kuntz, Ian T. Meredith, James K. Min, Peter P. Monte Leone, Christopher O'Connor, Campbell Rogers, Bram D. Zuckerman

3:50 PM  Keynote Lecture: The Potential Impact of Machine Learning and Artificial Intelligence on Cardiovascular Medical Device Development
Lecturers: Peter J. Fitzgerald

4:00 PM  FDA Perspectives
Lecturers: Mohua Choudhury

4:08 PM  Clinician Scientist Trialist Perspective

4:16 PM  Industry Perspective
Lecturers: Richard E. Kuntz

4:24 PM  Patient Perspective
Lecturers: Cynthia Chauhan

4:32 PM  Roundtable Discussion with Audience QA

5:00 PM - 6:00 PM  Session IV: Device Innovation: Early Feasibility Studies, EFS Network, and Beyond

Moderators: Andrew Farb, Martin B. Leon
Discussants: Lauren S. Baker, Daniel A Canos, Rick Geoffrion, Juan F. Granada, David R. Holmes Jr., Michael J. Mack, Liz McDermott, Sean Salmon, Jaime Walkowiak, Changfu Wu

5:00 PM  The US EFS Program: FDA Update
Lecturers: Andrew Farb

5:08 PM  The Second Generation Cardiovascular EFS Pilot: Progress Report
Lecturers: David R. Holmes Jr.

5:18 PM  Promoting Medical Device Innovation: MDIC Perspectives
Lecturers: Liz McDermott

5:26 PM  EFS Decisions: Start up Company Considerations
Lecturers: Beverly A Huss

5:34 PM  EFS Experiences From the Industry Client Perspective: What’s Good and What Needs to Change
Lecturers: Donald E. Bobo Jr

5:42 PM  Roundtable Discussion with Audience QA
BREAKFAST PROGRAM: ADVANCES IN SFA INTERVENTION - A CASE BASED REVIEW (SPONSORED BY CRF, SUPPORTED BY ABBOTT, BOSTON SCIENTIFIC CORPORATION, AND MEDTRONIC)

SUNDAY, SEPTEMBER 23, 2018
6:30 AM - 8:00 AM
Room 27A-B, Upper Level

6:30 AM - 7:00 AM
Check-in & Breakfast

7:00 AM - 8:00 AM

Breakfast Program: Advances in SFA Intervention - A Case Based Review
Chairs: Sahil A. Parikh
Faculty: Ehrin J. Armstrong, Arthur C. Lee, Mehdi H. Shishehbor

7:00 AM CTO Crossing: Alternate Access or Alternate Devices
Lecturers: Arthur C. Lee

7:10 AM Panel Discussion: Lesion Crossing Challenges

7:20 AM Lesion Preparation in SFA Intervention: To Cut Spin Vaporize or Not
Lecturers: Ehrin J. Armstrong

7:30 AM Drug Coated Balloons:Whats the Secret Sauce
Lecturers: Mehdi H. Shishehbor

7:40 AM Stents for the SFA: Is a Stent Just a Stent
Lecturers: Sahil A. Parikh

7:50 AM Panel Discussion: What My SFA Treatment Algorithm

8:00 AM Adjourn

BREAKFAST PROGRAM: ANTITHROMBOTIC MANAGEMENT IN TAVR WITH ATRIAL FIBRILLATION (ORGANIZED BY CRF, SPONSORED BY DAIICHI SANKYO, INC.)

SUNDAY, SEPTEMBER 23, 2018
6:30 AM - 8:00 AM
Room 26A-B, Upper Level

6:30 AM - 7:00 AM
Check-In & Breakfast

7:00 AM - 8:00 AM

Antithrombotic Management in TAVR With Atrial Fibrillation
Co Chairs: George D. Dangas, Nicolas M. Van Mieghem
Faculty: Raj Makkar, Josep Rodés-Cabau, Robert C. Welsh

7:00 AM Atrial Fibrillation AF in TAVR: Not Just an Innocent Bystander
Lecturers: Nicolas M. Van Mieghem

7:10 AM Warfarin Therapy in TAVR Patients with AF
Lecturers: Josep Rodés-Cabau

7:20 AM The DOAC Landscape in Perspective: Nuances and Subtleties
Lecturers: Robert C. Welsh

7:30 AM What is the Rationale for DOAC in TAVR With AF
Lecturers: George D. Dangas

7:40 AM Leaflet Thrombosis After AVR: Is DOAC the Answer
Lecturers: Raj Makkar

7:50 AM Panel Discussion

8:00 AM Adjourn
BREAKFAST PROGRAM: A VIRTUAL REALITY IN PRACTICE VIEW - MAXIMIZING CLINICAL BENEFIT THROUGH OPTIMAL LDL-C REDUCTIONS IN PATIENTS WITH ATHEROSCLEROTIC DISEASE (SPONSORED BY MED LEARNING GROUP, SUPPORTED BY SANOFI US)

SUNDAY, SEPTEMBER 23, 2018
6:30 AM - 8:00 AM
Room 30D-E, Upper Level

6:30 AM - 8:00 AM
A Virtual Reality in Practice View: Maximizing Clinical Benefit Through Optimal LDL-C Reductions in Patients With Atherosclerotic Disease
Co Chairs: Harold E. Bays, Deepak L. Bhatt

- 6:30 AM Check in and Breakfast
- 7:00 AM Pathogenesis of Atherosclerotic Cardiovascular Disease
- 7:10 AM Hypercholesterolemia Management in the Post ACS Patient
- 7:20 AM PCSK9 Inhibitors Efficacy Safety and Mechanism of Action in the ACS Patient
- 7:30 AM Medical Economics of PCSK9 Inhibition in the ACS Patient
- 7:40 AM Clinical Case Studies
- 7:50 AM Conclusions and QuestionsAnswers
- 8:00 AM Adjourn

BREAKFAST PROGRAM: MANAGEMENT OF COMPLEX PCI PATIENTS: AWARD WINNING CASE PRESENTATIONS (ORGANIZED BY CRF, SPONSORED BY ABIOMED, INC.)

SUNDAY, SEPTEMBER 23, 2018
6:30 AM - 8:00 AM
Room 23B-C, Upper Level

6:30 AM - 8:00 AM
Management of Complex PCI Patients: Award Winning Case Presentations
Chairs: Theodore L. Schreiber, MD
Panel Discussant: George D. Dangas, Amir Kaki, David Wohns, MD
Faculty: Ali Farooq, Hirofumi Ohtani, Abhishek Sharma

- 6:30 AM Check in Breakfast
- 7:00 AM Use of Impella Ventricular Assist Device In Massive Pulmonary Embolism Associated Cardiogenic Shock
  Lecturers: Ali Farooq
- 7:15 AM QA
- 7:20 AM Successful Impella CP Device Use For High Risk Unprotected Left Main Percutaneous Coronary Intervention In a Patient With Acute Myocardial Infarction With Severe Aortic Regurgitation
  Lecturers: Hirofumi Ohtani
- 7:35 AM QA
- 7:40 AM High Risk PCI With Axillary Impella Support
  Lecturers: Abhishek Sharma
- 7:55 AM QA
- 8:00 AM Adjourn

BREAKFAST PROGRAM: NEW FRONTIERS IN ROBOTIC INTERVENTIONS: CURRENT & FUTURE TECHNOLOGY (SPONSORED BY CORINDUS VASCULAR ROBOTICS)

SUNDAY, SEPTEMBER 23, 2018
6:30 AM - 8:00 AM
Room 31B-C, Upper Level
New Frontiers in Robotic Interventions: Current & Future Technology
Faculty: J. Aaron Grantham, Mitchell W. Krucoff, Ryan D. Madder, Ehtisham Mahmud, Manish A. Parikh

6:30 AM Check in and Breakfast
7:00 AM Welcome Introduction
Lecturers: J. Aaron Grantham
7:05 AM New Clinical Evidence in Robotic Interventions
Lecturers: Ehtisham Mahmud
7:15 AM Robotics for Complex PCI: A Case Series
Lecturers: Manish A. Parikh
7:25 AM The 1st Remote PCI from 100 Miles Away
Lecturers: Ryan D. Madder
7:40 AM Building the Next Generation Robot
Lecturers: Mitchell W. Krucoff
7:50 AM QA w Moderator
Lecturers: J. Aaron Grantham

BREAKFAST PROGRAM: PFO CLOSURE FOR CRYPTOGENIC STROKE RISK REDUCTION: LATEST CLINICAL DATA, BEST IMAGING PRACTICES AND REAL-WORLD CASES (SPONSORED BY ABBOTT)

SUNDAY, SEPTEMBER 23, 2018
6:30 AM - 8:00 AM
Room 28A-B, Upper Level

6:30 AM - 8:00 AM
PFO Closure for Cryptogenic Stroke Risk Reduction: Latest Clinical Data, Best Imaging Practices and Real-World Cases
Faculty: John D. Carroll, Vaikom Subra Mahadevan, MD, David E. Thaler

6:30 AM Check in Breakfast
7:00 AM Welcome
Lecturers: John D. Carroll
7:05 AM The Latest Clinical Data: Updated PFO Closure for Cryptogenic Stroke Clinical Trial Review and Guidelines
Lecturers: David E. Thaler
7:20 AM PFO Closure: Imaging Best Practices and Real World Case Studies
Lecturers: Vaikom Subra Mahadevan, MD
7:35 AM What Is a PFO Clinic and How Does It Work To Grow Your Practice
Lecturers: John D. Carroll
7:50 AM Closing Remarks
Lecturers: John D. Carroll
8:00 AM Adjourn

BREAKFAST PROGRAM: TAVR SHIFT TO INTERMEDIATE RISK PATIENTS: PRACTICAL CONSIDERATIONS FOR THE HEART TEAM AND HOSPITALS (ORGANIZED BY CRF, SPONSORED BY MEDTRONIC)

SUNDAY, SEPTEMBER 23, 2018
6:30 AM - 8:00 AM
Room 25A-B, Upper Level

6:30 AM - 7:00 AM
Check-In & Breakfast

7:00 AM - 8:00 AM
TAVR Shift to Intermediate Risk Patients: Practical Considerations for the Heart
Chairs: Michael J. Reardon
Faculty: Danny Dvir, Hemal Gada, James B. Hermiller Jr, Didier Tchetche

7:00 AM Hemodynamics: From Lower Gradients to Less Leaflet Immobility: Why Should You Care
**BREAKFAST PROGRAM: THE NEXT GEN CATH LAB   ADDRESSING CRITICAL ISSUES IN 2019 AND BEYOND (SPONSORED BY ACIST)**

**SUNDAY, SEPTEMBER 23, 2018**

6:30 AM - 8:00 AM

**Room 28D-E, Upper Level**

6:30 AM - 8:00 AM

The Next Gen Cath Lab   Addressing Critical Issues in 2019 and Beyond

Chairs: Morton J. Kern
Faculty: Jeff Chambers, Holger M. Nef, Robert F. Wilson, MD

6:30 AM  Check in Breakfast

7:00 AM  Welcome
Lecturers: Morton J. Kern

7:05 AM  Contrast Media Toxicity  Limiting the Effects of AKI through Volume Control
Lecturers: Jeff Chambers

7:15 AM  Reducing Radiation Exposure for the Entire Heart Team
Lecturers: Robert F. Wilson, MD

7:25 AM  Advances for Structure Heart  Use of Automatic Injection
Lecturers: Holger M. Nef

7:40 AM  Improving CAD Assessment in the Cath Lab: Sensor and Angiographically Based FFR and Translesional Physiology
Lecturers: Morton J. Kern

7:55 AM  Wrap upQA
Lecturers: Morton J. Kern

8:00 AM  Adjourn

**MAIN ARENA II, SUNDAY, SEPT. 23**

**SUNDAY, SEPTEMBER 23, 2018**

8:00 AM - 1:00 PM

Main Arena, Hall F, Ground Level

8:00 AM - 9:30 AM

**Live Cases #3**

Live Case Moderators: Gregg W. Stone
Live Case Co Moderators: Alain G. Cribier
Live Case Discussants: Peter C. Block, Isaac George, Rebecca T. Hahn, James B. Hermiller Jr, Howard C. Herrmann, Eric Horlick, Ruediger S. Lange, Raj Makkar, Doff B. McElhinney, Wilson Y. Szeto
Factoid Faculty: Christine J. Chung, Amirali Masoumi, Megha Prasad, Sabato Sorrentino, Eisuke Usui

8:00 AM  Erasmus Medical Center Rotterdam Netherlands
Live Case Operators: Nicolas M. Van Mieghem
Live Case Guest Operators: Didier Tchetche

8:45 AM  Henry Ford Hospital Detroit MI
Live Case Operators: Khaldoon Alaswad, Tiberio Frisoli, William W. O’Neill

9:30 AM - 10:00 AM

**Rapid Fire Case Controversies: Structural**
9:30 AM  Low Surgical Risk Aortic Stenosis In The Us: The Patient Really Wants TAVR
Case Presenter: Mathew Williams

9:40 AM  Bicuspid Aortic Stenosis: How To Treat
Case Presenter: Ran Kornowski

9:50 AM  Secondary Mitral Regurgitation With Severely Reduced LVEF
Case Presenter: Saibal Kar

10:00 AM - 10:15 AM  
TCT 2018 Career Achievement Award
Moderators: Martin B. Leon, Gregg W. Stone
Award Recipients: Bram D. Zuckerman

10:15 AM - 11:15 AM  
Late-Breaking Trials 3, Sponsored by JAMA
Moderators: Martin B. Leon
Co Moderator: Robert O. Bonow, Eric D. Peterson
Discussants: Stefan Anker, Stephan Baldus, Blase A. Carabello, Scott Lim, Michael J. Mack, Jean-Francois Obadia, Michael J. Reardon, Joachim Schofer

10:15 AM  COAPT: A Randomized Trial of Transcatheter Mitral Valve Leaflet Approximation in Patients With Heart Failure and Secondary Mitral Regurgitation
Lecturers: Gregg W. Stone

10:27 AM  Roundtable Discussion

10:35 AM  REDUCE FMR: A Sham Controlled Randomized Trial of Transcatheter Mitral Valve Indirect Annuloplasty in Patients With Heart Failure and Secondary Mitral Regurgitation
Lecturers: Horst Sievert

10:47 AM  Roundtable Discussion

10:55 AM  SOLVE TAVI: A 2x2 Randomized Trial of Self Expandable vs Balloon Expandable Valves and General vs Local Anesthesia in Patients Undergoing Transcatheter Aortic Valve Implantation
Lecturers: Holger Thiele

11:07 AM  Roundtable Discussion

11:15 AM - 12:00 PM  
Live Case #4
Live Case Moderators: Sahil A. Parikh
Live Case Co Moderators: Michael R. Jaff
Live Case Discussants: Somjit S. Brar, Tony Das, Brian G. DeRubertis, Lawrence A. Garcia, Vishal Kapur, Robert A. Lookstein, Oscar A. Mendiz, Aman B. Patel, Virendra I Patel, James P. Zidar
Factoid Faculty: Christine J. Chung, Amirali Masoumi, Megha Prasad, Sabato Sorrentino, Eisuke Usui

11:15 AM  Wellmont Holston Valley Hospital Kingsport TN
Live Case Operators: Mark Aziz, D. Christopher Metzger, Rahul Sakhija

12:00 PM - 1:00 PM  
Late-Breaking Clinical Science 1, Co-Sponsored by The Journal of The American College of Cardiology
Moderators: Valentin Fuster
Co Moderator: Jaya Chandrasekhar, Habib Samady, Stephan Windecker
Discussants: Mauricio G. Cohen, Carlo Di Mario, Mayra Guerrero, Rebecca T. Hahn, David Hildick-Smith, Karl-Heinz Kuck, Irene M. Lang, Alex M. K. Rothman

12:00 PM  PADN 5: A Randomized Trial of Pulmonary Artery Denervation in Patients With Combined Pre and Postcapillary Pulmonary Hypertension
Lecturers: Shao-Liang Chen

12:10 PM  Roundtable Discussion

12:15 PM  PARTNER VALVE IN VALVE: Late Follow up After Treatment of Failing Surgical Aortic Bioprosthetic Valves With a Balloon Expandable Transcatheter Heart Valve
Lecturers: John G. Webb

12:25 PM  Roundtable Discussion

12:30 PM  Prosthesis Patient Mismatch: Incidence Predictors and Outcome of Prosthesis Patient Mismatch After Transcatheter Aortic Valve Replacement
Lecturers: Howard C. Herrmann

12:40 PM  Roundtable Discussion
### LIVE CASE THEATER III, SUNDAY, SEPTEMBER 23

**SUNDAY, SEPTEMBER 23, 2018**

**8:00 AM - 12:00 PM**

Ballroom 20, Upper Level

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 AM</td>
<td>Session I. Live Cases: Imaging/Chip</td>
</tr>
<tr>
<td></td>
<td>Live Case Moderators: Marie-Claude Morice</td>
</tr>
<tr>
<td></td>
<td>Live Case Co Moderators: John G. Webb</td>
</tr>
<tr>
<td></td>
<td>Live Case Discussants: Yaron Almagor, Vinay K. Bahl, Michael J. Cowley,</td>
</tr>
<tr>
<td></td>
<td>Junbo Ge, John McB. Hodgson, Nils Johnson, Yoshinobu Murasato, Holger</td>
</tr>
<tr>
<td></td>
<td>M. Nef, Leif Thuesen</td>
</tr>
<tr>
<td></td>
<td>Factoid Faculty: Matthew T Finn, Paul Guerdeney, Amirali Masoumi,</td>
</tr>
<tr>
<td></td>
<td>Masahiko Noguchi, Evan Shlofmitz</td>
</tr>
<tr>
<td></td>
<td><strong>University of California San Diego</strong></td>
</tr>
<tr>
<td></td>
<td>Live Case Operators: Ang Lawrence, Ehtisham Mahmud, Mitul Patel, Ryan</td>
</tr>
<tr>
<td></td>
<td>Reeves</td>
</tr>
<tr>
<td>9:00 AM</td>
<td><strong>Scripps Clinic and Research Foundation La Jolla California</strong></td>
</tr>
<tr>
<td></td>
<td>Live Case Operators: Matthew J. Price, Paul S. Teirstein</td>
</tr>
<tr>
<td>10:00 AM</td>
<td>Session II. Live Cases: SHD</td>
</tr>
<tr>
<td></td>
<td>Live Case Moderators: Jeffrey J. Popma</td>
</tr>
<tr>
<td></td>
<td>Live Case Co Moderators: John G. Webb</td>
</tr>
<tr>
<td></td>
<td>Factoid Faculty: Matthew T Finn, Paul Guerdeney, Amirali Masoumi, Masahiko Noguchi, Evan Shlofmitz</td>
</tr>
<tr>
<td>10:00 AM</td>
<td><strong>McGill University Health Center Montreal Canada</strong></td>
</tr>
<tr>
<td></td>
<td>Live Case Operators: Giuseppe Martucci, Nicolo Piazza, Marco Spaziano</td>
</tr>
<tr>
<td>11:00 AM</td>
<td><strong>Erasmus Medical Center Rotterdam Netherlands</strong></td>
</tr>
<tr>
<td></td>
<td>Live Case Operators: Nicolas M. Van Mieghem</td>
</tr>
<tr>
<td></td>
<td>Live Case Guest Operators: Didier Tchetcha</td>
</tr>
</tbody>
</table>

### LIVE CASE THEATER IV, SUNDAY, SEPTEMBER 23

**SUNDAY, SEPTEMBER 23, 2018**

**2:00 PM - 6:00 PM**

**Ballroom 20, Upper Level**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>2:00 PM</td>
<td>Session I. Live Cases: CHIP/CTO</td>
</tr>
<tr>
<td></td>
<td>Live Case Moderators: Antonio Colombo</td>
</tr>
<tr>
<td></td>
<td>Live Case Co Moderators: Masahiko Ochiai</td>
</tr>
<tr>
<td></td>
<td>Live Case Discussants: Mauro Carlinio, Sanjog Kalra, Margaret B. McEntegart, Toshiya Muramatsu, Masato Nakamura, William Nicholson, Adam C. Salisbury, Georgios Sianos, Etsuo Tsuchikane, Gerald S. Werner</td>
</tr>
<tr>
<td></td>
<td>Factoid Faculty: Christine J. Chung, Amirali Masoumi, Evan Shlofmitz,</td>
</tr>
<tr>
<td></td>
<td>Sabato Sorrentino, Eisuke Usui</td>
</tr>
<tr>
<td></td>
<td><strong>Henry Ford Hospital Detroit MI</strong></td>
</tr>
<tr>
<td></td>
<td>Live Case Operators: Khaldoon Alaswad, William W. O'Neill</td>
</tr>
<tr>
<td></td>
<td>Lecturers: Tiberio Frisoli</td>
</tr>
<tr>
<td>3:00 PM</td>
<td><strong>McGill University Health Center Montreal Canada</strong></td>
</tr>
<tr>
<td></td>
<td>Live Case Operators: Stéphane Rinfret</td>
</tr>
<tr>
<td></td>
<td>Lecturers: Sonny Dandona</td>
</tr>
<tr>
<td>4:00 PM</td>
<td>Session II. Live Cases: ENDO</td>
</tr>
<tr>
<td></td>
<td>Live Case Moderators: Ehrin J. Armstrong</td>
</tr>
<tr>
<td></td>
<td>Live Case Co Moderators: Tony Das</td>
</tr>
<tr>
<td></td>
<td>Live Case Discussants: Herbert D. Aronow, Mark C. Bates, Jacques Busquet, Philip Green, Duane S. Pinto, Robert D. Safian, Luigi Salemme, Christopher J. White, James P. Zidar</td>
</tr>
<tr>
<td></td>
<td>Factoid Faculty: Christine J. Chung, Amirali Masoumi, Evan Shlofmitz, Sabato Sorrentino, Eisuke Usui</td>
</tr>
<tr>
<td></td>
<td><strong>Wellmont Holston Valley Hospital Kingsport TN</strong></td>
</tr>
</tbody>
</table>
KEYNOTE INTERVENTIONAL STUDIES IV: DRUG-ELUTING STENTS, BIORESORBABLE SCAFFOLDS, AND DRUG-COATED BALLOONS I

SUNDAY, SEPTEMBER 23, 2018
8:00 AM - 9:00 AM
Ballroom 6A, Upper Level

8:00 AM - 9:00 AM
Keynote Interventional Studies IV: Drug-Eluting Stents, Bioresorbable Scaffolds, and Drug-Coated Balloons I
Moderators: Michael Haude, Robert-Jan van Geuns

8:00 AM
RENASCENT III: Nine Month Clinical and Imaging Outcomes With a Thin Strut 98 micrometer Bioresorbable Coronary Scaffold
Lecturers: Antonio Colombo

8:10 AM
Discussion

8:15 AM
BIOSOLVE IV: Twelve Month Outcomes With a Resorbable Magnesium Scaffold in a Real World Setting
Lecturers: Michael Kang-Yin Lee

8:25 AM
Discussion

8:30 AM
NEOVAS: Three Year OCT and FFR Results From a Randomized Trial Evaluating a Polymeric Bioresorbable Scaffold
Lecturers: Bo Xu

8:40 AM
Discussion

8:45 AM
I LOVE IT 2: Five Year Results From a Randomized Trial of Biodegradable Polymer Based and Durable Polymer Based Drug Eluting Stents
Lecturers: Yaling Han

8:55 AM
Discussion

KEYNOTE INTERVENTIONAL STUDIES V: DRUG-ELUTING STENTS, BIORESORBABLE SCAFFOLDS, AND DRUG-COATED BALLOONS II

SUNDAY, SEPTEMBER 23, 2018
9:00 AM - 10:00 AM
Ballroom 6A, Upper Level

9:00 AM - 10:00 AM
Keynote Interventional Studies V: Drug-Eluting Stents, Bioresorbable Scaffolds, and Drug-Coated Balloons II
Moderators: Fernando Alfonso, Juan F. Granada
Discussants: Alaide Chieffo, Kenneth Chin, Aloke V. Finn, Michael Joner, Elvin Kedhi, Henning Kelbaek, Verghese Mathew, Jorge F. Saucedo

9:00 AM
BIOFLOW V: Two Year Results of a Randomized Trial Evaluating an Ultra Thin Strut Bioresorbable Polymer Based Drug Eluting Stent
Lecturers: David E. Kandzari

9:10 AM
Discussion

9:15 AM
RESTORE ISR China: A Randomized Trial of Two Different Drug Coated Balloons for Treatment of In Stent Restenosis After Drug Eluting Stent Implantation
Lecturers: YunDai Chen

9:25 AM
Discussion

9:30 AM
RESTORE SVD China: Randomized Trial of Drug Coated Balloons vs Drug Eluting Stents for Treatment of Small Vessel Disease
Lecturers: Runlin Gao

9:40 AM
Discussion

9:45 AM
PEPCAD NSTEMI: A Randomized Trial Evaluating a Drug Coated Balloon in Patients With Non ST Segment Elevation Myocardial Infarction
Lecturers: Bruno Scheller

9:55 AM
Discussion

KEYNOTE INTERVENTIONAL STUDIES VI: STRUCTURAL HEART INTERVENTIONS I

SUNDAY, SEPTEMBER 23, 2018
1:00 PM - 2:15 PM
1:00 PM - 2:15 PM

**Keynote Interventional Studies VI: Structural Heart Interventions I**

Moderators: Horst Sievert, Brian K. Whisenant
Discussants: Steven R. Bailey, Alain G. Cribier, Oliver Husser, Jan Kovac, Jean-Claude Laborde, David W.M. Muller, Zoltan G. Turi, Stephen G. Worthley

1:00 PM  SURTAVI: Two Year Complete Results From a Randomized Trial of a Self Expanding Transcatheter Heart Valve vs Surgical Aortic Valve Replacement in Patients With Severe Aortic Stenosis at Intermediate Surgical Risk  
Lecturers: Jeffrey J. Popma

1:10 PM  Discussion

1:15 PM  CENTER Collaboration I: Nonrandomized Comparison of Transcatheter Aortic Valve Implantation With Balloon Expandable Valves vs Self Expandable Valves  
Lecturers: Wieneke Vlastra

1:25 PM  Discussion

1:30 PM  OBSERVANT: Five Year Outcomes After Transcatheter or Surgical Aortic Valve Replacement in a Low Intermediate Risk Real world Population  
Lecturers: Marco Barbanti

1:40 PM  Discussion

1:45 PM  TAVILAAO: A Randomized Trial of Left Atrial Appendage Occlusion vs Standard Medical Therapy in Patients With Atrial Fibrillation Undergoing Transcatheter Aortic Valve Implantation  
Lecturers: Fabian Nietlispach

1:55 PM  Discussion

2:00 PM  EWOLUTION: Two Year Efficacy of Left Atrial Appendage Closure in High Risk Patients Single Antiplatelet No Therapy Subgroup Analysis  
Lecturers: Martin W. Bergmann

2:10 PM  Discussion

---

**DIDACTIC SESSION: INTRAVASCULAR IMAGING - STENT GUIDANCE AND VULNERABLE PLAQUE ASSESSMENT AND MANAGEMENT**

SUNDAY, SEPTEMBER 23, 2018
8:00 AM - 12:00 PM
Room 2, Upper Level

8:00 AM - 9:30 AM

**Session I. Vulnerable Plaque and Culprit Lesion Imaging**

Moderators: James E. Muller, Patrick W. Serruys
Discussants: Takashi Akasaka, David Erlinge, Hector M. Garcia-Garcia, Peter H. Stone, Guillermo Tearney, Ron Waksman

8:00 AM  Intravascular Imaging and Culprit Lesion Assessment in ACS: Potential Impact on PCI Strategies and Patient Management  
Lecturers: Haibo Jia

8:10 AM  Vulnerable Plaque Non Invasive Imaging: The Emerging Role for CTA  
Lecturers: James K. Min

8:20 AM  Vulnerable Plaque Invasive Imaging: Contrasting the Different Alternatives Theory and Data  
Lecturers: Yoshinobu Onuma

8:32 AM  The Latest on Plaque Profiling and Shear Stress Imaging  
Lecturers: Peter H. Stone

8:40 AM  Rationale Imaging Insights and Outcomes of Stent and Scaffold Vulnerable Plaque Treatment  
Lecturers: Salvatore Brugaletta

8:50 AM  Case 1  Spontaneous Coronary Dissection: To Stent or Not to Stent  
Case Presenter: Ning Guo

8:57 AM  Case 2  Is it a Plaque Erosion or a Plaque Rupture and How to Treat  
Case Presenter: Takashi Kubo

9:04 AM  Case 3  Vulnerable Plaque and Peri Procedural Myocardial Infarction: I Should Have Used Protection  
Case Presenter: Emmanouil S. Brilakis

9:11 AM  Case 4  A Patient With a Vulnerable Plaque Who Developed a Late Event  
Case Presenter: Ryan D. Madden

9:18 AM  Roundtable Discussion With Audience QA

9:30 AM - 10:12 AM
Session II. Pre-Intervention Lesion Assessment
Moderators: Javier Escañed, Gary S. Mintz
Discussants: Justin E. Davies, Allen Jeremias, Massoud A. Leesar, Mina Madan, Richard Shlofmitz, Mladen I. Vidovich

9:30 AM Intravascular Imaging to Assess LMCA Stenosis Severity: Comparison With FFR
Lecturers: Jose M. de la Torre Hernandez

9:40 AM Is It Reasonable to Use Intravascular Imaging to Access Non LMCA Stenosis Severity Instead of FFR
Lecturers: Evelyn S. Regar

9:50 AM IVUS and/or OCT in the Assessment of Coronary Calcification and Guidance of Plaque Modification Strategies
Lecturers: Akiko Maehara

10:00 AM Roundtable Discussion With Audience QA

10:12 AM - 11:15 AM Session III. Optimizing Stent Implantation
Moderators: Akiko Maehara, Evelyn S. Regar
Discussants: Ning Guo, Takashi Kubo, Seung-Jung Park, Francesco Prati, Matthew J. Price

10:12 AM Intravascular Imaging to Size and Optimize Stent Implantation: A Step by Step Algorithm
Lecturers: Ziad A. Ali

10:27 AM Case 5 Zero Contrast PCI: How We Do It
Case Presenter: Jeffrey W. Moses

10:34 AM Step by Step Algorithm for Decision making During CTO PCI Using Intravascular Imaging
Lecturers: Alfredo R. Galassi

10:48 AM Case 6 CTO in Which IVUS Made the Difference Between Success and Failure
Case Presenter: Lei Ge

10:56 AM Case 7 Intravascular Imaging and Angiography Co Registration and PCI Guidance
Case Presenter: Richard Shlofmitz

11:03 AM Roundtable Discussion With Audience QA

11:15 AM - 12:00 PM Session IV. Imaging Assessment of Stent Failure
Moderators: Fernando Alfonso, Hiram G. Bezerra
Discussants: Daniel Chamie, Lisette Okkels Jensen, Michael Joner, Gary S. Mintz, Lorenz Raber, Andrew Sharp

11:15 AM Intravascular Imaging to Evaluate Stent Thrombosis and Restenosis
Lecturers: Lorenz Raber

11:30 AM Case 8: Very Late Stent Thrombosis
Case Presenter: Jose de Ribamar Costa Jr

11:37 AM Case 9: Under Expanded Stent with ISR Treated by Laser Atherectomy or Lithotripsy
Case Presenter: Jonathan M. Hill

11:44 AM Roundtable Discussion With Audience QA

11:55 AM Final Thoughts and Take home Messages
Lecturers: Gary S. Mintz

DIDACTIC SESSION: THE LEFT MAIN AND BIFURCATION SUMMIT, PART 1

SUNDAY, SEPTEMBER 23, 2018
8:00 AM - 12:03 PM
Room 5, Upper Level

8:00 AM - 9:08 AM Session I. Bifurcation Technique Introduction
Moderators: Bernard R. Chevalier, David Hildick-Smith
Discussants: Ron Kornowski, Ahmed Magdy, Detlef G. Mathey, Sunao Nakamura, Manish A. Parikh, Yuejin Yang

8:00 AM Bifurcation and Left Main Stenting Introduction: What You May Have Missed in the Last Year
Lecturers: Bimmer E. Claessen

8:10 AM Roundtable Discussion With Audience QA

8:15 AM New Bench Insights Into Optimal Bifurcation Stenting LM and Non LM
Lecturers: John A. Ormiston

8:23 AM Implications of Varied Stent Designs for Bifurcation Stenting LM and Non LM
9:08 AM - 10:49 AM

Session II. Bifurcation Technique Deeper Dive
Moderators: Antonio Colombo, Jean Fajadet
Discussants: Ajay J. Kirtane, Shigeru Saito, Gennaro Sardella, Terje K. Steigen, Carlos E. Uribe, David X. Zhao

9:08 AM  When Should the Side Branch Be Dilated Before and After Main Branch Stenting
Lecturers: Hyeon-Cheol Gwon

9:16 AM  Roundtable Discussion With Audience QA

9:19 AM  Jailing and Removing Side Branch Wires: Technique and Safety
Lecturers: David Hildick-Smith

9:26 AM  The Side Branch Balloon Protection Technique
Lecturers: Francesco Burzotta

9:33 AM  Are Drug Eluting Balloons an Important Adjunct for Side Branch Treatment
Lecturers: Pieter R. Stella

9:41 AM  Roundtable Discussion With Audience QA

9:48 AM  When to POT and How to Do It
Lecturers: Adrian P. Banning

9:55 AM  The Spectrum of POT Techniques
Lecturers: Hyeon-Cheol Gwon

10:02 AM  Roundtable Discussion With Audience QA

10:07 AM  IVUS Guidance For Non LM Bifurcation Lesions: Rationale and Design of OCTOBER
Lecturers: Niels R. Holm

10:15 AM  2D and 3D OCT Guidance for Non LM Bifurcation Lesions
Lecturers: Yoshinobu Onuma

10:23 AM  Bifurcation and Ostial Optical Coherence Tomography Mapping BOOM: A New Technique
Lecturers: Richard Shlofmitz

10:30 AM  Roundtable Discussion With Audience QA

10:38 AM  Is There a Role for FFR or iFR Side Branch Assessment
Lecturers: Nick Curzen

10:46 AM  Roundtable Discussion With Audience QA

10:49 AM - 12:03 PM

Session III. How to Perform: Provisional and Two-Stent Techniques
Moderators: Niels R. Holm, David E. Kandzari
Discussants: Arif Al Nooryani, Carlo Briguori, Philippe Garot, Jorge Gaspar, Ioannis Iakovou, David G. Rizik

10:49 AM  How to Perform the Provisional Approach: Tips and Tricks
Lecturers: Leif Thuesen

10:57 AM  When a Planned Provisional Approach Requires 2 Stents: Options and Technique
Lecturers: Alaide Chieffo

11:04 AM  When and Which Planned 2 Stent Technique for Non LM Bifurcations
Lecturers: James B. Hermiller Jr

11:12 AM  Planned 2 Stent Technique Step by Step: How to T Modified T and TAP Stent
Lecturers: Miroslaw Ferenc

11:19 AM  Planned 2 Stent Technique Step by Step: How to Culotte
Lecturers: James Cockburn

11:26 AM  Planned 2 Stent Technique Step by Step: How to Crush Mini Crush and DK Crush
Lecturers: Junjie Zhang

11:33 AM  Planned 2 Stent Technique Step by Step: How to Use Tryton
Lecturers: Philippe Genereux

11:40 AM  Current Status of Dedicated Bifurcation Stents
Lecturers: Robert J. Gil
DIDACTIC SESSION: TRICUSPID VALVE INTERVENTIONS

SUNDAY, SEPTEMBER 23, 2018
8:00 AM - 12:00 PM
Room 6D, Upper Level

8:00 AM - 9:00 AM
Session 1. Setting the Stage  Natural History, Patho-anatomy, and Imaging Considerations
Moderators: Samir R. Kapadia, Ralph Stephan von Bardeleben
Discussants: João L Cavalcante, Charles J. Davidson, Victoria Delgado, Omar K. Khalique, Stephen H. Little, Fabien Praz, Gilbert H.L. Tang, Yan Topilsky

8:00 AM Tricuspid is the Forgotten Valve No More  TR Natural History Reflections and Rationale for Treatment
Lecturers: Jeroen J. Bax

8:10 AM One Compelling Question

8:12 AM Patho-anatomy Reference Points for Transcatheter Therapies  Why the Tricuspid Valve Complex and Right Heart are Distinctive
Lecturers: Mark Reisman

8:22 AM One Compelling Question

8:24 AM Etiologies and Clinical Presentation of TR: Implications for Therapy
Lecturers: Yan Topilsky

8:34 AM One Compelling Question

8:36 AM Multi-modality Imaging Essentials of the Tricuspid Valve and Right Heart Echo and CT
Lecturers: Omar K. Khalique

8:46 AM Assessing the Severity of TR: Challenges Inconsistencies and Grading Schemes
Lecturers: João L Cavalcante

8:56 AM Discussion

9:00 AM - 10:00 AM
Session 2: Medical and Surgical Treatment of TR: Guidelines and Controversies
Moderators: Steven F. Bolling, Maurice E. Sarano
Discussants: Saif Anwaruddin, Stamatis Lemakis, G. Burkhard Mackensen, Jose Luis Navia, Robert L. Smith, Osama Soliman, Alfredo Trento

9:00 AM Timing and Guidelines for Medical Therapy of TR Is there a Standard Approach
Lecturers: Osama Soliman

9:08 AM One Compelling Question

9:10 AM Current Surgical Approaches and Preferences for TR Therapy
Lecturers: Alfredo Trento

9:18 AM One Compelling Question

9:20 AM Clinical Outcomes and Recurrence After Surgery for TR Can We Learn From Our Mistakes
Lecturers: Jose Luis Navia

9:28 AM One Compelling Question

9:54 AM A Curious Case of Surgical TR Repair  Case Presentation Outcome and Lessons Learned
Case Presenter: Isaac George

10:00 AM - 11:30 AM
Session 3: Transcatheter Therapies for TR  Promise and Pitfalls
Moderators: Azeem Latib, Francesco Maisano
Discussants: Paolo Dentì, Neil P. Fam, John C Laschinger, Jose Luis Navia, Petr Neuzil, Josep Rodés-Cabau, Maurizio Taramasso

10:00 AM Current Outcomes of Transcatheter TR Therapies: Results from the International TrValve Registry
Lecturers: Maurizio Taramasso

10:08 AM One Compelling Question

11:30 AM - 12:00 PM
Session 4: Challenging TR Case Vignettes  How to Treat THIS...
Moderators: Scott Lim, Mark Reisman
Discussants: Anita Asgar, Brij Maini, Jason H. Rogers, Carlos E. Ruiz, Maurice E. Sarano, Gilbert H.L. Tang, Ralph Stephan von Bardeleben
DIDACTIC SESSION: CLINICAL TRIAL DESIGN, STATISTICS AND LITERATURE INTERPRETATION – THE EVIDENCE-BASED MEDICINE EXPERT

SUNDAY, SEPTEMBER 23, 2018
2:00 PM - 6:20 PM
Room 6D, Upper Level

2:00 PM - 2:55 PM
Session I: Clinical Trial Endpoints in Context
Moderators: E. Magnus Ohman, Stuart J. Pocock
Discussants: Sripal Bangalore, Ovidiu Dressler, Sanjay Kaul, David F. Kong, David J. Maron, Pascal Vranckx, Robert W. Yeh

2:00 PM Composite Endpoints: When Are They Valid and When Should They Be Discarded
Lecturers: Sanjay Kaul

2:10 PM ISCHEMIA Trial in the Spotlight: Why All the Fuss Over the Change in the Primary Endpoint
Lecturers: Rasha Al-Lamee

2:20 PM ISCHEMIA Trial in the Spotlight: The Study Remains Valid and Important Despite the Shifting Endpoint
Lecturers: David J. Maron

2:30 PM All Cause Mortality and Interpretation of Secondary Endpoints: The VEST and ODYSSEY Examples
Lecturers: Stuart J. Pocock

2:40 PM Roundtable Discussion With Audience QA

2:55 PM - 3:50 PM
Session II: Sham-Controlled Trials
Moderators: Ajay J. Kirtane, Roxana Mehran
Discussants: Rasha Al-Lamee, Colin Berry, David J. Cohen, Bernard J. Gersh, Stuart J. Pocock, Jan G. P. Tijssen

2:55 PM ORBITA in the Spotlight: How I Interpret ORBITA as an Interventional Cardiologist
Lecturers: Rasha Al-Lamee

3:05 PM ORBITA in the Spotlight: How I Would Have Done the Trial Differently
Lecturers: Ajay J. Kirtane

3:15 PM Sham Controlled Trials Should Be the New Gold Standard for Device Trials
Lecturers: Bernard J. Gersh

3:25 PM Sham Controlled Trials for Devices Are Unethical Unfeasible and Unnecessary
Lecturers: William F. Fearon

3:35 PM Roundtable Discussion with Audience QA

3:50 PM - 4:45 PM
Session III: Clinical Trial Design in Context
Moderators: Peter Juni, Robert W. Yeh
Discussants: Eugene H. Blackstone, Schuyler Jones, Thomas C. McAndrew, Roxana Mehran, Stuart J. Pocock, Matthew T. Roe

3:50 PM How to Make Trials Larger Simpler and Less Expensive
Lecturers: Matthew T. Roe

4:00 PM Most Frequent Errors I See in the Analysis and Interpretation of Trials
Lecturers: Peter Juni

4:10 PM Non Inferiority Trials Gone Wrong: Examples From the Recent Literature
Lecturers: David J. Cohen

4:20 PM Stent Trials in High Bleeding Risk Patients: What is the Level of Evidence We Need
Lecturers: Roxana Mehran

4:30 PM Roundtable Discussion with Audience QA

4:45 PM - 5:35 PM
Session IV: Facts or Fake News: Adventures in Data Analysis
Moderators: Stuart J. Pocock, Jan G. P. Tijssen
Discussants: Deepak L. Bhatt, Eugene H. Blackstone, Ovidiu Dressler, Roseann M White, Robert W. Yeh

4:45 PM No Role for Observational Studies in Effectiveness Comparisons: The Staged vs Culprit Only PCI for STEMI Case Study
Lecturers: Robert W. Yeh

4:55 PM Garbage in Garbage Out: Risks to Big Data Analysis in Interventional Cardiology
Lecturers: Deepak L. Bhatt

5:05 PM Is it Time to Toughen Up the P005

TRANSCATHETER CARDIOVASCULAR THERAPEUTICS | SUNDAY, SEPTEMBER 23, 2018
Last Updated 08/27/2018 Page: 117
5:15 PM  Should We All Become Bayesians  
Lecturers: Frank Harrell

5:25 PM  Roundtable Discussion with Audience QA

5:35 PM - 6:20 PM
Session V: ACC and ESC 2018 Late Breaking Trials: Critiques and Potential Impact on Clinical Practice
Moderators: Deepak L. Bhatt, Gregg W. Stone
Discussants: Otavio Berwanger, Peter Juni, Sanjay Kaul, E. Magnus Ohman, Stuart J. Pocock

5:35 PM  ACC 2018 Late Breaking Trial 1  ODYSSEY Outcomes: What I Liked and What I Question  
Case Presenter: John A. Bittl

5:40 PM  Roundtable Discussion With Audience QA

5:45 PM  ACC 2018 Late Breaking Trial 2  COMPASS : What I Liked and What I Question  
Lecturers: Kurt Huber

5:50 PM  Roundtable Discussion with Audience QA

5:55 PM  ESC 2018 Late Breaking Trial 1  Global Leaders: What I Liked and What I Question  
Lecturers: Giuseppe Biondi-Zoccai

6:00 PM  Roundtable Discussion With Audience QA

6:05 PM  ESC 2018 Late Breaking Trial 2  MitraFR: What I Liked and What I Question  
Lecturers: Stephan Windecker

6:10 PM  Roundtable Discussion With Audience QA

DIDACTIC SESSION: PCI PHARMACOTHERAPY - PROCEDURAL ANTITHROMBINS AND ACUTE/CHRONIC DAPT

SUNDAY, SEPTEMBER 23, 2018
2:00 PM - 6:00 PM
Room 2, Upper Level

2:00 PM  Session I. PCI Pharmacotherapy: Periprocedural Antithrombotic and Antiplatelet Therapy  
Moderators: John A. Bittl, C. Michael Gibson
Discussants: Jose Diez, David Erlinge, Dmitry N. Feldman, Hitinder S. Gurm, Zuzana Motovska, Matthew T. Roe, Daniel I. Simon

2:00 PM  Featured Lecture: Does the Polypill Enhance Drug Adherence and Improve Cardiovascular Outcomes  
Lecturers: Valentin Fuster

2:10 PM  Roundtable Discussion

2:15 PM  Benefits of Pretreatment With Dual Antiplatelet Therapy Prior to PCI in Stable CAD and ACS: Myth or Reality  
Lecturers: Giuseppe Tarantini

2:23 PM  Switching Dual Antiplatelet Therapy After PCI: Who When Why and How  
Lecturers: Matthew J. Price

2:31 PM  The Latest Antithrombotic Data: MATRIX at 1 Year  
Lecturers: Stephan Windecker

2:39 PM  The Case for Bivalirudin With Radial and Femoral Access  
Lecturers: Carey D. Kimmelstiel

2:47 PM  How Strong are the Pharmacodynamic Data and Clinical Evidence for Crushed Ticagrelor and Prasugrel  
Lecturers: Dimitrios Alexopoulos

2:55 PM  Utility of Cangrelor During PCI and Bridging  Who Benefits Most  
Lecturers: Deepak L. Bhatt

3:05 PM  Roundtable Discussion

3:20 PM - 4:09 PM
Session II. Optimal DAPT Duration After DES Placement
Moderators: Deepak L. Bhatt, Tullio Palmerini
Discussants: Sorin J. Brener, Hyeon-Cheol Gwon, Yaling Han, Neal S. Kleiman, Huay Cheem Tan

3:20 PM  Patient Selection for Prolonged DAPT: Risk Scores or Wise Clinical Judgement  
Lecturers: Usman Baber

3:28 PM  Who is the High Bleeding Risk Patient and How Should DAPT Duration Be Weighed Against Ischemic Risk  
Lecturers: Roxana Mehran
3:36 PM  Ultra Short DAPT 1 3 Months: For Which Patients and Stents Do We Have Evidence
Lecturers: Philip M. Urban

3:44 PM  COMPASS Trial Revisited: Weighing Rivaroxaban Secondary Prevention vs DAPT After PCI
Lecturers: Michael Maeng

3:54 PM  Roundtable Discussion

4:09 PM - 5:10 PM
Session III. Antiplatelet Therapy After DES in Patients on Chronic Oral Anticoagulation
Moderators: Davide Capodanno, Roxana Mehran
Discussants: Piera Capranzano, Germano Di Sciascio, John U Doherty, Kurt Huber, Michelle O’Donoghue, Giulio G. Stefanini

4:09 PM  Pharmacotherapy Challenges and Possible Solutions in the PCI Patient on Chronic Oral Anticoagulation
Lecturers: Tullio Palmerini

4:19 PM  Has PIONEER and REDUAL Changed My Practice What are the Outstanding Issues
Lecturers: C. Michael Gibson

4:29 PM  In 2018 When Is Warfarin Therapy Required vs Acceptable and How Should it Be Dosed After PCI
Lecturers: Freek W.A. Verheugt

4:37 PM  US and ESC Guidelines and Consensus on Antithrombotic Therapy in Patients With Atrial Fibrillation Undergoing PCI
Lecturers: Dominick J. Angiolillo

4:47 PM  Periprocedural Management of Anticoagulation in Patients With Nonvalvular Atrial Fibrillation
Lecturers: John U Doherty

4:55 PM  Roundtable Discussion

5:10 PM - 6:00 PM
Session IV. Antiplatelet Potpourri
Moderators: Dominick J. Angiolillo, Elmir Omerovic
Discussants: Andrea Abizaid, Jaya Chandrasekhar, Gregory Ducrocq, Michael A. Kutcher, Jorge F. Saucedo, Thomas D. Stuckey

5:10 PM  De Escalation of DAPT After DES Placement: Is There a Role for Personalized Treatment
Lecturers: Dániel Aradi

5:18 PM  Managing Aspirin Allergy Before DES Placement
Lecturers: John A. Bittl

5:26 PM  GLOBAL LEADERS in Perspective: Perspectives on Ticagrelor Monotherapy
Lecturers: Patrick W. Serruys

5:36 PM  The Asian Anti Platelet Therapy Paradox: Genetic Factors Dosing Bleeding and Stent Thrombosis Risk
Lecturers: Duk-Woo Park

5:44 PM  Roundtable Discussion

DIDACTIC SESSION: THE LEFT MAIN AND BIFURCATION SUMMIT, PART 2

SUNDAY, SEPTEMBER 23, 2018
2:00 PM - 6:08 PM
Room 5, Upper Level

2:00 PM - 3:06 PM
Session IV. Special Situations in Bifurcations
Moderators: Jens Flensted Lassen, Yves R. Louvard
Discussants: Kenneth Chin, Jean Fajadet, Young-Hak Kim, John A. Ormiston, Ivo Petrov, Shiro Uemura

2:00 PM  When Will the Side Branch Occlude With Case Examples
Lecturers: Kefei Dou

2:07 PM  Techniques for Wiring a Difficult Bifurcation and What To Do Then
Lecturers: Thomas Hovasse

2:14 PM  How to Treat the Medina 001 Lesion
Lecturers: Philippe Brunel

2:21 PM  Why Does My Balloon Not Cross and What Should I Do
Lecturers: Manuel Pan

2:28 PM  Case Presentation: Why I Lost This Side Branch and What I Should Have Done Instead
Case Presenter: Yves R. Louvard

2:35 PM  Case Presentation: Why I Lost This Side Branch and What I Should Have Done Instead
Case Presenter: Annapoorna Kini

TRANSCATHETER CARDIOVASCULAR THERAPEUTICS | SUNDAY, SEPTEMBER 23, 2018
Last Updated 08/27/2018  Page: 119
Session I. Overview, Imaging, and Patient Selection
Moderators: Paul A. Grayburn, Robert J. Siegel

2:00 PM  MR Quantification 2018: The Latest in MR Grading and Reporting
Lecturers: Maurice E. Sarano

2:07 PM  Primary MR: Spectrum of Disease and Influence on Transcatheter Therapy Applicability and Outcomes
Lecturers: Scott Lim

2:14 PM  Functional MR: Spectrum of Disease and Influence on Transcatheter Therapy Applicability and Outcomes
Lecturers: Paul A. Grayburn

2:21 PM  TEE Imaging Essentials: Screening Patients for MitraClip Transcatheter Annuloplasty and TMVR Procedures
Lecturers: Randolph P. Martin

2:28 PM  CT Imaging Essentials: Screening Patients for MitraClip Transcatheter Annuloplasty and TMVR Procedures
Lecturers: Philipp Blanke

2:35 PM  Imaging Make or Break: Challenging Imaging Scenarios During Transcatheter Mitral Repair Procedural Guidance
Lecturers: Rebecca T. Hahn

2:42 PM  Roundtable Discussion With Audience QA

Session II. MitraClip Registry and (at Last) Randomized Trial Outcomes
Moderators: Stefan Anker, Saibal Kar
Discussants: Blase A. Carabello, Jörg Hausleiter, Patrick M. McCarthy, Jean-Francois Obadia, Paul Sorajja, Neil J. Weissman

2:52 PM  The COAPT Trial: Principal and Secondary Results
Lecturers: Michael J. Mack

2:59 PM  The MitraFR Trial: Results Expected and Unexpected
Lecturers: Jean-Francois Obadia

3:02 PM  MitraClip in the US: Latest TVT Registry Results
Lecturers: Paul Sorajja

3:19 PM  Roundtable Discussion With Audience QA

Session III. Edge-to-Edge Mitral Valve Repair: MitraClip and Beyond
Moderators: Ted Feldman, Joachim Schofer
Discussants: Saif Anwaruddin, Karel T. Koch, Scott Lim, Robert E. Michler, Matthew J. Price, Michael J. Rinaldi

3:34 PM  The Mitral Surgeons Perspective: What Transcatheter Tools Are Necessary to Emulate Surgical Results
Lecturers: Steven F. Bolling

3:41 PM  MitraClip Patient Selection 2018: Can We Predict An Excellent Result Sustained MR Less Than or Equal to 1
Lecturers: Karl-Heinz Kuck

3:48 PM  Experiences With Next Generation MitraClip: What Are the Meaningful Differences
Lecturers: Saibal Kar

3:55 PM  Two Case Presentations: One Highly Successful and One Highly Unsuccessful MitraClip in Primary MR
Case Presenter: James B. Hermiller Jr

4:03 PM  Two Case Presentations: One Highly Successful and One Highly Unsuccessful MitraClip in Secondary MR
Case Presenter: Stephan Baldus

4:11 PM  Surgery After Failed MitraClip: Feasibility and Outcomes
Lecturers: Gorav Ailawadi

4:18 PM  MitraClip After Failed Surgical Repair: Approach and Challenges
Lecturers: Saibal Kar

4:25 PM  Single Leaflet Detachment and Clip Embolization: Causes and Management
Lecturers: Samir R. Kapadia

4:32 PM  PASCAL Edge to Edge Repair: Initial Experience and Outcomes
Lecturers: Neil P. Fam

4:39 PM  Roundtable Discussion With Audience QA

Session IV. The Transcatheter Mitral Valve Repair World Beyond MitraClip
Moderators: Jason H. Rogers, Ralph Stephan von Bardeleben
Discussants: Steven F. Bolling, Steven L. Goldberg, Azeem Latib, Francesco Maisano, Molly Szerlip, Stephen G. Worthley

4:49 PM - 6:17 PM
Cardioband Direct Annuloplasty for Functional MR: Device Data Synthesis and Pivotal Clinical Trial Progress
Lecturers: Vinod H. Thourani

4:57 PM
Carillon Indirect Annuloplasty for Functional MR: Device Data Synthesis and Pivotal Clinical Trial Progress
Lecturers: Ralph Stephan von Bardeleben

5:05 PM
AccuCinch Basal Ventriculoplasty for Functional MR and Heart Failure: Device Procedure and Updated Outcomes
Lecturers: Mark Reisman

5:12 PM
Millipede Direct Annuloplasty for Functional MR: Device Procedure and Updated Outcomes
Lecturers: Jason H. Rogers

5:19 PM
Amend Ring Annuloplasty System: Device Procedure and Updated Outcomes
Lecturers: Andrea Colli

5:26 PM
ARTO Indirect Annuloplasty for Functional MR: Update and Case Presentation
Lecturers: Stephen G. Worthley

5:33 PM
Mitral Cerclage Annuloplasty
Lecturers: Toby Rogers

5:40 PM
Neochord for Degenerative MR: Device Data Synthesis and Pivotal Clinical Trial Progress
Lecturers: Khalil Fattouch

5:48 PM
Harpoon for Degenerative MR: Device and Updated Clinical Data
Lecturers: Andrea Colli

5:55 PM
Thinking Hybrid Mitral Procedures: Case Examples and Recommendations
Lecturers: Samir R. Kapadia

6:02 PM
Roundtable Discussion With Audience QA

TCT ENDOVASCULAR: EXPERT CASE REVIEWS - ACUTE STROKE INTERVENTIONS

SUNDAY, SEPTEMBER 23, 2018
12:15 PM - 1:45 PM
Room 30D-E, Upper Level

12:15 PM - 1:45 PM
Expert Case Reviews: Acute Stroke Interventions
Moderators: Aman B. Patel, Adnan Siddiqui

12:15 PM
Case 1: Acute Stroke Treated With M1 Middle Cerebral Artery Thrombectomy
Case Presenter: Christopher J Stapleton

12:25 PM
Case 2: Acute Stroke With Cervical ICA Dissection and Intracranial Occlusion

12:35 PM
Case 3: Acute Stroke With Atherosclerotic ICA Occlusion and Intracranial Occlusion
Case Presenter: Eric Sauvageau

12:45 PM
Case 4: Radial Access for Acute Stroke Thrombectomy
Case Presenter: Johanna T. Fifi

12:55 PM
Case 5: Direct Carotid Access for Acute Stroke Thrombectomy
Case Presenter: Gavin Britz

1:05 PM
Case 6: Late Window Thrombectomy
Case Presenter: Matthew Koch

1:15 PM
Case 7: Acute Stroke Thrombectomy for a Patient With an Already Large Established Core Infarct
Case Presenter: Raul Nogueira

1:25 PM
Case 8: Acute Stroke Thrombectomy For Large Vessel Occlusion With Low NIHSS
Case Presenter: Raul Nogueira

1:35 PM
Roundtable Discussion With Audience QA

TCT ENDOVASCULAR: HOT TOPIC LUNCH - CURRENT ISSUES IN CONTEMPORARY OFFICE-BASED LABORATORY PRACTICE

SUNDAY, SEPTEMBER 23, 2018
12:15 PM - 1:45 PM
Room 318-C, Upper Level

12:15 PM - 1:00 PM
Session I: Why and How to Start an Office-based Suite
Moderators: Jeffrey G. Carr, Brian G. DeRubertis
Discussants: Ali F. Aboufas, Gary M. Ansel, Karthik R. Gujja, Luis Leon, Craig M. Walker

12:15 PM  Considerations When Starting an Office Based Laboratory or Ambulatory Surgery Center  
Lecturers: Craig M. Walker

12:25 PM  Outpatient Procedure Adoption and Implications of Over Utilization  
Lecturers: Jeffrey G. Carr

12:35 PM  OBLs as a Model for Increased Delivery of Vascular Care  
Lecturers: Luis Leon

12:45 PM  Round Discussion With Audience QA

1:00 PM - 1:45 PM  Session II: Procedural Considerations in the OBL  
Case Selection, Patient Factors, and Safety Concerns  
Moderators: Jeffrey G. Carr, Brian G. DeRubertis  
Discussants: Tak W. Kwan, Robert A. Lookstein, Thomas Maldonado, Joel Rainwater

1:00 PM  Cases to Avoid and Complication Management  
Case Presenter: Thomas Maldonado

1:10 PM  Benefits for Patients and Providers in the Outpatient Setting  
Lecturers: Brian G. DeRubertis

1:20 PM  Maintaining Quality in the OBL Setting  
Lecturers: Joel Rainwater

1:30 PM  Round Discussion with Audience QA

---

TCT ENDOVASCULAR: HOT TOPIC LUNCH - TREATMENT OF ACUTE PULMONARY EMBOLISM  
CO-SPONSORED BY THE PERT CONSORTIUM

SUNDAY, SEPTEMBER 23, 2018  
12:15 PM - 1:45 PM  
Room 32A-B, Upper Level

12:15 PM  Treatment of Acute Pulmonary Embolism  
Co-Sponsored by the PERT Consortium  
Moderators: Riyaz Bashir, Victor F. Tapson  

12:15 PM  Acute Pulmonary Embolism: Risk Stratification Treatment Alternatives and Role of the PERT Team  
Lecturers: Kenneth Rosenfield

12:30 PM  Roundtable Discussion With Audience QA

12:35 PM  Case 1 Introduction: A Patient With Sub Massive PE  How Should We Treat  
Case Presenter: Gregory Piazza

12:38 PM  First Debate: Catheter Directed Thrombolysis Should Be Used for All Submassive PE  
Lecturers: Riyaz Bashir

12:46 PM  First Debate: Catheter Directed Thrombolysis Should Be Reserved for Selected Submassive PE  
Lecturers: Jay S. Giri

12:54 PM  Roundtable Discussion With Audience QA

1:02 PM  Case 1 Conclusion: A Patient With Sub Massive PE  How Did We Treat  
Case Presenter: Gregory Piazza

1:05 PM  Case 2 Introduction: A Patient With Massive PE  How Should We Treat  
Case Presenter: Vikas Aggarwal

1:08 PM  Second Debate: The Case for Catheter Based Therapy for Massive PE As The Principal Approach  
Lecturers: Akhilesh K. Sista

1:11 PM  Second Debate: Surgical Therapy for Massive PE Should Be First line Therapy  
Lecturers: Matthew D. Bacchetta

1:19 PM  Case Based Debate: ECMO or Other RV Support Is the Ideal Treatment for Massive PE  
Lecturers: Mahir Elder

1:27 PM  Roundtable Discussion With Audience QA

1:37 PM  Case 1 Conclusion: A Patient With Massive PE  How Did We Treat  
Case Presenter: Vikas Aggarwal

---

TCT ENDOVASCULAR: EVAR/TEVAR DEEP DIVE
2:00 PM - 3:20 PM
Session I. Latest EVAR and TEVAR Strategies
Moderators: Robert A. Lookstein, Virendra I Patel

2:00 PM  Operative Management of Acute Type A Aortic Dissection
Lecturers: Hiroo Takayama

2:10 PM  Medical Treatment and Long term Management of Acute Type B Aortic Dissection: Lessons from IRAD and Beyond
Lecturers: Patrick T. O’Gara

2:20 PM  Interventional Treatment Options for Acute Type B Aortic Dissection
Lecturers: Christoph A. Nienaber

2:30 PM  Aortic Arch Aneurysm: Management and Treatment Options With Case Examples
Lecturers: Nimesh Desai

2:40 PM  Branched and Fenestrated Grafts in the Treatment of Thoracoabdominal Aortic Aneurysms
Lecturers: Bernardo C Mendes

2:50 PM  Chimneys Snorkels and Periscopes for the Treatment of Juxta Renal Abdominal Aortic Aneurysms: Are There Any Data to Support Them
Lecturers: Robert A. Lookstein

3:00 PM  Fenestrated Stent Grafts in the Treatment of Complex Abdominal Aortic Aneurysms
Lecturers: Robert Lancaster

3:10 PM  Decision making and Treatment Selection for Patients With Complex Abdominal Aortic Aneurysms
Lecturers: Virendra I Patel

3:20 PM - 4:00 PM
Session II. Special Situations and Case Presentations
Moderators: Robert A. Lookstein, Virendra I Patel

3:20 PM  Endografting in Women: Are There Gender Differences in Technique or Outcomes With Case Examples

3:28 PM  Endografting in Type A Dissection With Case Examples

3:36 PM  Imaging in Type B Dissection Endografting: IVUS Assisted Techniques With Case Examples
Lecturers: Andres Schanzer

3:44 PM  Endovascular Aortic Repairs: Historical Perspectives
Lecturers: Juan C. Parodi

3:52 PM  Roundtable Discussion  What Are the Unmet Needs in Endografting

REGIONAL SNAPSHOT SESSION: THE BEST OF INTERVENTION FROM THE MIDDLE EAST AND AFRICA - STRATEGIES FOR COMPLEX PATIENTS

SUNDAY, SEPTEMBER 23, 2018
2:00 PM - 4:00 PM
Room 318-C, Upper Level

2:00 PM - 2:40 PM
Session I. Challenges of Left Main/Bifurcation Interventions
Moderators: Ran Kornowski, Mohamed Ahmed Sobhy
Discussants: Magdy Abdelhamid, Samir Ahnia, Kais Battikh, Leor Perl

2:00 PM  Approach to Left Main Coronary Bifurcation Disease in 2018
Lecturers: Hany Ragy

2:10 PM  Case 1: Ostial Left Main Intervention  The Value of Imaging
Case Presenter: Leor Perl

2:17 PM  Case 2: A Distal Left Main Lesion With Challenges
Case Presenter: Nabil Farag

2:24 PM  Roundtable Discussion With Audience QA

2:40 PM - 3:20 PM
Session II: Advanced CTO Approaches
### Session II: Antegrade Strategy

**Moderators:** Mirvat Alasnag, Graham A. Cassel  
**Discussants:** Waqar H. Ahmed, Shereen Al-Shaikh, Hassam Hassan, Mohamed Jeilan, Ahmed Vachiat

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
</table>
| 2:40 PM | **Case 3: Antegrade Strategy**  
Case Presenter: Shereen Al-Shaikh |
| 2:47 PM | **ABCs of Antegrade: Tools and Technique**  
Lecturers: Waqar H. Ahmed |
| 2:54 PM | **Roundtable Discussion With Audience QA** |
| 3:00 PM | **Case 4: Retrograde Strategy**  
Case Presenter: Ahmed Vachiat |
| 3:07 PM | **ABCs of Retrograde: Tools and Technique**  
Lecturers: Ahmed Vachiat |
| 3:14 PM | **Roundtable Discussion With Audience QA** |

### Session III: Structural Heart Disease

**Moderators:** Habib Gamra, E. Murat Tuzcu  
**Discussants:** Hadi Abu-Hantash, Dhaker Lahidheb, Chaim S. Lotan

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
</table>
| 3:20 PM | **LAA Closure 1: State of the art**  
Lecturers: E. Murat Tuzcu |
| 3:30 PM | **LAA Closure 2: Step by step**  
Lecturers: Hazem Khamis |
| 3:37 PM | **LAA Closure 3: Prevention and Management of Complications**  
Lecturers: Habib Gamra |
| 3:44 PM | **Roundtable Discussion With Audience QA** |

### HOT TOPIC LUNCH: CHRONIC KIDNEY DISEASE - PREVENTING AND TREATING CONTRAST NEPHROPATHY

**SUNDAY, SEPTEMBER 23, 2018**

**Room 23B-C, Upper Level**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
</table>
| 12:15 PM | **Topic 1: Prognostic Significance of Acute Kidney Injury After TAVR**  
Lecturers: Steven R. Bailey |
| 12:25 PM | **Roundtable Discussion With Audience QA** |
| 12:30 PM | **Topic 2: Zero Volume Contrast PCI**  
Lecturers: Ziad A. Ali |
| 12:40 PM | **Roundtable Discussion With Audience QA** |
| 12:45 PM | **Topic 3: Revascularization Strategies PCI CABG vs Medical Therapy in Advanced CKD**  
Lecturers: Sripal Bangalore |
| 12:55 PM | **Roundtable Discussion With Audience QA** |
| 1:00 PM  | **Topic 4: CIN Risk Prediction and Outcomes**  
Lecturers: Hitinder S. Gurm |
| 1:10 PM  | **Roundtable Discussion With Audience QA** |
| 1:15 PM  | **Topic 5: CIN Prevention Strategies**  
Lecturers: Roxana Mehran |
| 1:25 PM  | **Roundtable Discussion With Audience QA** |
| 1:30 PM  | **Topic 6: Radial Access and AKI What Do We Know**  
Lecturers: Somjot S. Brar |
| 1:40 PM  | **Roundtable Discussion With Audience QA** |
HOT TOPIC LUNCH: CT IMAGING FOR THE CORONARY AND STRUCTURAL HEART DISEASE INTERVENTIONALIST (SPONSORED BY THE SOCIETY OF CARDIOVASCULAR COMPUTED TOMOGRAPHY)

SUNDAY, SEPTEMBER 23, 2018
12:15 PM - 1:45 PM
Room 24A-B, Upper Level

12:15 PM - 1:45 PM
CT Imaging for the Coronary and Structural Heart Disease Interventionalist (Sponsored by the Society of Cardiovascular Computed Tomography)
Moderators: James K. Min, Todd Villines
Discussants: Victoria Delgado, Hasan Jilaihawi, Paul Knaapen, Jonathon A. Leipsic, Stephen H. Little

12:15 PM  Imaging and Beyond for LAA Occlusion: Echo CT and 3D Printing
Lecturers: Stephen H. Little
12:25 PM  Roundtable Discussion With Audience QA
12:30 PM  Is Post TAVR CT Imaging Just as Important as Pre TAVR CT Imaging Focus on HALT
Lecturers: Hasan Jilaihawi
12:40 PM  Roundtable Discussion With Audience QA
12:45 PM  New CT Insights for TMVR: The NeoLVOT and Skirt Neo LVOT Concept
Lecturers: Victoria Delgado
12:55 PM  Roundtable Discussion With Audience QA
1:00 PM  CT as First line Test for Everyone With Suspected CAD: Rationale Behind the NICE Guidelines
Lecturers: James K. Min
1:10 PM  Roundtable Discussion With Audience QA
1:15 PM  FFR CT: An Evidence Based Appraisal
Lecturers: Todd Villines
1:25 PM  Roundtable Discussion With Audience QA
1:30 PM  The Vulnerable Plaque and Patient Revisited: Whole Heart Quantitation and Characterization of Atherosclerosis by CT
Lecturers: Paul Knaapen
1:40 PM  Roundtable Discussion With Audience QA

COMPLEX INTERVENTIONS: EXPERT CASE REVIEWS - ACUTE INFARCT ANGIOPLASTY AND CARDIOGENIC SHOCK

SUNDAY, SEPTEMBER 23, 2018
12:15 PM - 1:51 PM
Room 26A-B, Upper Level

12:15 PM - 1:51 PM
Acute Infarct Angioplasty and Cardiogenic Shock
Moderators: David A. Cox, Timothy D. Henry
Discussants: Pawel E. Buszman, Warren J. Cantor, Steven P. Marso, Sandeep Nathan, Sheila Sahni, Nir Uriel

12:15 PM  Introduction: What Do We Hope to Learn From These Cases
Lecturers: David A. Cox
12:18 PM  Case 1: How We Treated A Hemodynamically Stable STEMI Patient With Severe Multivessel Disease
Case Presenter: Sanjit S. Jolly
12:26 PM  Case 2: A Case in Which Primary PCI Resulted in Severe No Reflow
Case Presenter: Thomas D. Stuckey
12:34 PM  Case 3: A Case of STEMI and Massive Thrombus Burden
Case Presenter: Carlos E. Uribe
12:42 PM  Case 4: A Patient With STEMI Due to a Severely Degenerated Saphenous Vein Graft
Case Presenter: John S. Douglas Jr
12:50 PM  Case 5: A Patient With a Definite STEMI and Apparently Minimally Diseased Coronary Arteries Not Tako Tsubo
Case Presenter: Petr Kala
12:58 PM  Case 6: Primary PCI With Double Stent Thrombosis
Case Presenter: Mohamed Ahmed Sobhy
1:06 PM  Case 7: A Case of Cardiogenic Shock Due to an Occluded Left Main That We Treated With Impella
Case Presenter: Michael S. Lee
COMPLEX INTERVENTIONS: EXPERT CASE REVIEWS - COMPLEX TAVR CASES

SUNDAY, SEPTEMBER 23, 2018
12:15 PM - 1:45 PM
Room 28D-E, Upper Level

12:15 PM - 1:45 PM
Complex TAVR Cases
Moderators: Philippe Genereux, Josep Rodés-Cabau
Discussants: Suzanne V. Arnold, Wayne B. Batchelor, Isaac George, Tullio Palmerini, Shigeru Saito, Tobias Tichelbäcker

12:15 PM Introduction: What Do We Hope to Learn From These Cases
Lecturers: Josep Rodés-Cabau

12:20 PM Case 1: A Complex TAVR Decision: Prohibitive Surgical Risk vs The Type C Patient
Case Presenter: Anthony A. Bavry

12:30 PM Case 2: A Case of Embolic Protection in Difficult Cerebral Anatomy
Case Presenter: Jochen Wöhrle

12:40 PM Case 3: Evaluation and Treatment of Low Flow Low Gradient Aortic Stenosis
Case Presenter: Philippe Pibarot

12:50 PM Case 4: A Case of Minimalist TAVR With Single Femoral Access
Case Presenter: Bernard R. Chevalier

1:00 PM Case 5: A Case in Which We Pushed the Envelope to Complete a Transfemoral TAVR
Case Presenter: Grayson H. Wheatley

1:10 PM Case 6: Trans Carotid TAVR Step by Step
Case Presenter: Keith B. Allen

1:20 PM Case 7: A Case of Pure Non Calcific Aortic Insufficiency Treated With TAVR
Case Presenter: Wei-Hsian Yin

1:30 PM Case 8: A Case of Asymptomatic Leaflet Thrombosis: Management Strategies
Case Presenter: Philipp Blanke

1:40 PM Take Home Messages: What Did We Learn From These Cases
Lecturers: Philippe Genereux

COMPLEX INTERVENTIONS: EXPERT CASE REVIEWS - CTO RETROGRADE TECHNIQUES

SUNDAY, SEPTEMBER 23, 2018
12:15 PM - 1:45 PM
Room 25A-B, Upper Level

12:15 PM - 1:45 PM
CTO Retrograde Techniques
Moderators: Masahiko Ochiai, Georgios Sianos
Discussants: Pierfrancesco Agostoni, Tony J. DeMartini, Kefei Dou, William Nicholson, R. Michael Wyman

12:15 PM Introduction: What Do We Hope to Learn From These Cases
Lecturers: Masahiko Ochiai

12:20 PM Case 1: Retrograde CTO Technique: A Case Emphasizing Collateral Selection
Case Presenter: Alfredo R. Galassi

12:30 PM Case 2: Retrograde CTO Technique: A Case Emphasizing How to Connect The Channels
Case Presenter: Paul Hsien-Li Kao

12:40 PM Case 3: Using IVUS During Retrograde CTO PCI
Case Presenter: Satoru Sumitsuji
12:50 PM  Case 4: Step By Step Trouble Shooting During Retrograde CTO PCI  
Case Presenter: Paul Knaapen

1:00 PM  Case 5: A Case Using Epicardial Collaterals During Retrograde CTO  
Case Presenter: Masahisa Yamane

1:10 PM  Case 6: A Case of Channel Injury During the Retrograde Approach  
Case Presenter: Sudhir Nathore

1:20 PM  Case 7: A Case of Severe Ischemia and Thrombosis During Retrograde CTO  
Case Presenter: Lei Ge

1:30 PM  Case 8: Managing a Large Perforation During a Retrograde CTO PCI  
Case Presenter: Emmanouil S. Brilakis

1:40 PM  Take Home Messages: What Did We Learn From These Cases  
Lecturers: Georgios Sianos

SUNDAY, SEPTEMBER 23, 2018
12:15 PM - 1:47 PM  
Room 28A-B, Upper Level

12:15 PM  Introducing: What Do We Hope to Learn From These Cases  
Lecturers: Bernard Prendergast

12:18 PM  Case 1: A Frightening Vascular Complication After TAVR  
Case Presenter: Ethan C Korngold

12:25 PM  Case 2: A Case of Coronary Obstruction After TAVR  
Case Presenter: John K. Forrest

12:32 PM  Case 3: Management of an Embolized TAVR Bioprosthesis Into the Left Ventricle  
Case Presenter: Gorav Ailawadi

12:39 PM  Case 4: Clinically Significant TAVR Leaflet Thrombosis  
Case Presenter: Raj Makkar

12:46 PM  Case 5: Managing a Severe Paravalvular Leak After TAVR Using Fusion Imaging  
Case Presenter: Torsten P. Vahl

12:53 PM  Case 6: Aortic Rupture During TAVR  
Case Presenter: Marco Barbanti

1:00 PM  Case 7: A Case of Late Out of Hospital Heart Block After TAVR  
Case Presenter: Danny Dvir

1:07 PM  Case 8: Retrieval of an Embolized PFO Closure Device  
Case Presenter: Jacqueline Saw

1:14 PM  Case 9: Management of Acute LV Outflow Tract Obstruction During TMVR  
Case Presenter: Howard C. Herrmann

1:21 PM  Case 10: Step by Step Closure of a Large Mitral Paravalvular Leak  
Case Presenter: Eustaquio Maria Onorato

1:28 PM  Case 11: An Unexpected Complication During LAA Closure  
Case Presenter: Ramon Quesada

1:35 PM  Case 12: A Harrowing Complication During a Complex Congenital Procedure  
Case Presenter: John P. Breinholt

1:42 PM  Take Home Messages: What Did We Learn From These Cases  
Lecturers: Samir R. Kapadia

SUNDAY, SEPTEMBER 23, 2018
12:15 PM - 1:59 PM  
Room 27, Upper Level

12:15 PM  LAA Occlusion: Decisions, Tips, and Tricks

COMPLEX INTERVENTIONS: EXPERT CASE REVIEWS - INTERVENTIONAL  
RICH EMOTIONAL EXPERIENCES  
(AKA COMPLICATIONS) II: STRUCTURAL
Moderators: Maurice Buchbinder, Vivek Y. Reddy
Discussants: Aaron V. Kaplan, DI Lakireddy, Ulf Landmesser, Petr Neuzil, Jai-Wun Park, Kolja Sievert

12:15 PM Introduction: What Do We Hope to Learn From These Cases
Lecturers: Vivek Y. Reddy

12:18 PM Case 1: A Case of an Atrial Fibrillation Related Ischemic Stroke With Hemorrhagic Conversion To Close To Anticoagulate
Case Presenter: Megan Coyleright

12:26 PM Case 2: A Difficult Transseptal Puncture for an LAA Occlusion Procedure
Case Presenter: Ramon Quesada

12:34 PM Case 3: A Case Where Procedural Guidance With TEE Made all the Difference
Case Presenter: Jacqueline Saw

12:42 PM Case 4 A Case Demonstrating Why I Prefer ICE Over TEE for LAA Occlusion
Case Presenter: Carlos E. Ruiz

12:50 PM Case 5: A Case of Image Fusion Technology to Guide LAA Exclusion
Case Presenter: Carlos E. Ruiz

12:58 PM Case 6: Closing the Wide Mouthed Multilobed LAA
Case Presenter: Stefan C. Bertog

1:06 PM Case 7: Closing the LAA When the Device Wont Fit
Case Presenter: Reda Ibrahim

1:14 PM Case 8: Two Quick Cases: One in which I Preferred Watchman One in which I Preferred Amplatzer
Case Presenter: Ashish Pershad

1:22 PM Case 9: Management of a Persistent Leak After LAA Closure
Case Presenter: George S. Hanzel

1:30 PM Case 10: Reclosing a Reopened LAA After Surgical Ligation
Case Presenter: Peter B. Sick

1:38 PM Case 11: Major Complication of an LAA Closure Procedure in a Frail Elderly Patient
Case Presenter: David Hildick-Smith

1:46 PM Case 12: An LAA Exclusion Procedure Guided by Personalized Computer Modeling
Case Presenter: Philippe Garot

1:54 PM Take Home Messages: What Did We Learn From These Cases
Lecturers: Maurice Buchbinder
Case Presenter: Vinay K. Bahl

1:32 PM Case 10: Longitudinal Stent Deformation During Left Main Stenting
Case Presenter: Yves R. Louvard

1:40 PM Take Home Messages: What Did We Learn From These Cases
Lecturers: Antonio Colombo

COMPLEX INTERVENTIONS: EXPERT CASE REVIEWS - PHYSIOLOGIC GUIDANCE - FFR, IFR, CFR AND IMR

SUNDAY, SEPTEMBER 23, 2018
12:15 PM - 1:47 PM
Room 338-C, Upper Level

12:15 PM - 1:47 PM Physiologic Guidance in the Cath Lab: FFR, IFR and More
Moderators: Javier Escaned, Morton J. Kern
Discussants: Felix Bohm, Matthias Götberg, Michalis Hamilos, Niels R. Holm, Erick Schampaert, Adhir Shroff

12:15 PM Introduction: What Do We Hope to Learn From These Cases
Lecturers: Javier Escaned

12:18 PM Case 1: A Case in Which 3 Vessel FFR Markedly Changed My Treatment
Case Presenter: Seung-Jung Park

12:25 PM Case 2: A Case in Which FFR Of A Mild Lesion Led Me To Stent
Case Presenter: Valerian Fernandes

12:32 PM Case 3: A Case in Which Post Stent FFR Assessment Changed My Treatment
Case Presenter: Roberto Diletti

12:39 PM Case 4: A Case of iFR Co Registration To Identify Focal Treatable Disease
Case Presenter: Justin E. Davies

12:46 PM Case 5: A Case With Marked Discordance Between FFR and iFR Which to Believe
Case Presenter: Arnold Seto

12:53 PM Case 6: A Case of FFR and iFR in the Left Main Which To Believe
Case Presenter: Robert J. Gil

1:00 PM Case 7: A Case of Culprit and Non Culprit Lesion Assessment in ACS: FFR iFR Both or Nither
Case Presenter: Eric Van Belle

1:07 PM Case 8: A Case of Physiological Assessment of a Myocardial Bridge
Case Presenter: Amir Lerman

1:14 PM Case 9: A Case in Which It Was Preferable To Measure Coronary Flow Not Pressure
Case Presenter: Jan J. Piek

1:21 PM Case 10: A Case Demonstrating the Resting Full Cycle Ratio RFR
Case Presenter: Ziad A. Ali

1:28 PM Case 11: A Case of Demonstrating the Potential Utility of vFFR
Case Presenter: Joost Daemen

1:35 PM Case 12: A Case Demonstrating the Potential Utility of QFR
Case Presenter: Shengxian Tu

1:42 PM Take Home Messages: What Did We Learn From These Cases
Lecturers: Morton J. Kern

SPECIAL @TCTSESSION: CACI@TCT

SUNDAY, SEPTEMBER 23, 2018
2:00 PM - 3:30 PM
Room 25A-B, Upper Level

2:00 PM Introduction and Session Objectives
Lecturers: Anibal A. Damonte, Diego D Grinfeld

2:03 PM Role of PCI In Stable Angina Patients

2:13 PM Roundtable Discussion With Audience QA

2:18 PM Case Presentation 1: PCI in Stable Angina

CACI At TCT 2018. PCI In Stable Angina: Why Is ORBITA Not the Last Nail For Coronary Angioplasty?
Moderators: Anibal A. Damonte, Diego D Grinfeld

2:00 PM Introduction and Session Objectives
Lecturers: Anibal A. Damonte

2:03 PM Role of PCI In Stable Angina Patients

2:13 PM Roundtable Discussion With Audience QA

2:18 PM Case Presentation 1: PCI in Stable Angina
2:23 PM Roundtable Discussion With Audience QA

2:26 PM What Are the Lasting Clinical Implications Of the ORBITA Trial
   Lecturers: John A. Ambrose

2:36 PM Roundtable Discussion With Audience QA

2:41 PM Case Presentation 2: PCI in Stable Angina
   Lecturers: Ruben A. Piraino

2:46 PM Roundtable Discussion With Audience QA

2:49 PM SCAI Position Statements On The Role Of PCI In Stable Angina After ORBITA
   Lecturers: David A. Cox

2:59 PM Roundtable Discussion With Audience QA

3:04 PM Case Presentation 3: PCI In Stable Angina
   Case Presenter: Antonio A Pocovi

3:09 PM Roundtable Discussion With Audience QA

3:22 PM Session Summary and Take Home Messages
   Lecturers: Alfredo E. Rodriguez

SPECIAL SESSION: 30TH TCT ANNIVERSARY CELEBRATORY KEYNOTE

SUNDAY, SEPTEMBER 23, 2018
2:00 PM - 2:30 PM
Ballroom 6A, Upper Level

2:00 PM - 2:30 PM
30th TCT Anniversary Celebratory Keynote
Moderators: Spencer B. King III, Gary S. Roubin
Discussants: Jean Fajadet, Richard A. Schatz, Patrick W. Serruys, George W. Vetrovec

2:00 PM The Legacy of Andreas Gruentzig The Father of Interventional Cardiology
   Lecturers: Philippe E. Gaspard

2:20 PM Roundtable Discussion

SPECIAL SESSION: HEMODYNAMIC BRAIN TEASERS FROM THE CATH LAB

SUNDAY, SEPTEMBER 23, 2018
2:00 PM - 3:30 PM
Room 23B-C, Upper Level

2:00 PM - 3:30 PM
Special Session: Hemodynamic Brain Teasers From the Cath Lab
Moderators: Morton J. Kern, Holger Thiele
Discussants: Anthony A. Bavry, Joseph Carozza, Teresa De Marco, Holger M. Nef, Gerhard C. Schuler

2:00 PM Low Flow Low Gradient Aortic Stenosis Hemodynamic Pitfalls
   Lecturers: Howard C. Herrmann

2:08 PM Roundtable Discussion With Audience QA

2:18 PM Hypertrophic Cardiomyopathy Brockenbrough Phenomenon and More
   Lecturers: Anthony A. Bavry

2:26 PM Roundtable Discussion With Audience QA

2:36 PM Constrictive Pericarditis or Restrictive Cardiomyopathy Hemodynamic Old School
   Lecturers: Gerhard C. Schuler

2:44 PM Roundtable Discussion With Audience QA

2:54 PM Pulmonary Hypertension How to Assess
   Lecturers: Teresa De Marco

3:02 PM Roundtable Discussion With Audience QA

3:12 PM Shunt Assessment VSD ASD Typical Pitfalls
   Lecturers: Holger M. Nef
Roundtable Discussion With Audience QA

FASCINATING LECTURES II: ARTIFICIAL INTELLIGENCE, MACHINE LEARNING, AND ADVANCED IMAGING

SUNDAY, SEPTEMBER 23, 2018
2:30 PM - 3:45 PM
Ballroom 6A, Upper Level

2:30 PM - 3:45 PM
Artificial Intelligence, Machine Learning, and Advanced Imaging
Moderators: Mayra Guerrero, James K. Min
Discussants: Kishore J. Harjai, Fabien Praz, Peter H. Stone, Darren L. Walters, Robert L. Wilensky

2:30 PM  The Future of STEMI Care: The Impact of Disruptive Technology
Lecturers: James Flaherty
2:40 PM  Fascinating QA
2:45 PM  Artificial Intelligence and the Future of Interventional Cardiology
Lecturers: Partha Sardar
2:55 PM  Fascinating QA
3:00 PM  Interactive Virtual Reality Imaging for Structural Heart Procedural Planning
Lecturers: Saurabh Sanon
3:10 PM  Fascinating QA
3:15 PM  Patient Specific Computer Simulation of TAVR in Bicuspid Aortic Valve Morphology
Lecturers: Cameron Dowling
3:25 PM  Fascinating QA
3:30 PM  From 3D Printing to Virtual Implantation: A Guide to the Future of Structural Heart Interventions
Lecturers: James Otton
3:40 PM  Fascinating QA

SPECIAL @TCTSESSION: GISE@TCT

SUNDAY, SEPTEMBER 23, 2018
2:30 PM - 4:00 PM
Room 24A-B, Upper Level

2:30 PM - 4:00 PM
GISE@TCT: Case-Based Debates in Patients With High-Bleeding Risk Undergoing PCI
Discussants: Steven R. Bailey, George D. Dangas, Giovanni Esposito, Juan F. Granada, Francesco Saia

2:30 PM  Introduction And Session Goals
2:35 PM  Case 1 Introduction: A Patient With Chronic CAD At High Bleeding Risk Requiring PCI
Case Presenter: Giulio G. Stefanini
2:40 PM  Roundtable Discussion With Audience QA
2:50 PM  How Would I Treat This Patient
Lecturers: Dominick J. Angiolillo
2:55 PM  How Would I Treat This Patient
Lecturers: Ugo Limbruno
3:00 PM  Case 1 Conclusion: How Did I Actually Treat This Patient
Case Presenter: Giulio G. Stefanini
3:10 PM  Consensus: PCI Considerations In The High Bleeding Risk Patient With Chronic CAD
Lecturers: Giuseppe Tarantini
3:17 PM  Case 2 Introduction: A High Bleeding Risk Patient With Afib And ACS Requiring PCI And Oral Anticoagulant Therapy
Case Presenter: Usman Baber
3:22 PM  Roundtable Discussion With Audience QA
3:32 PM  How Would I Treat This Patient
Lecturers: Alessio G La Manna
3:37 PM  How Would I Treat This Patient
### SPECIAL SESSION: DISCUSSIONS WITH THE LATE BREAKING TRIAL PRINCIPAL INVESTIGATORS II

**SUNDAY, SEPTEMBER 23, 2018**

**3:45 PM - 5:00 PM**

**Discussions With the Late Breaking Trial Principal Investigators II**

**Moderators:** Andreas Baumbach, Stephan Windecker

**Discussants:** Robert J. Gil, Mitchell W. Krucoff, Frederick G. St. Goar

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>3:45 PM</td>
<td><strong>LEADERS FREE II: Summary and Clinical Implications</strong></td>
</tr>
<tr>
<td>3:50 PM</td>
<td>Discussion</td>
</tr>
<tr>
<td>4:00 PM</td>
<td><strong>SORT OUT IX: Summary and Clinical Implications</strong></td>
</tr>
<tr>
<td>4:05 PM</td>
<td>Discussion</td>
</tr>
<tr>
<td>4:15 PM</td>
<td><strong>SOLVE TAVI: Summary and Clinical Implications</strong></td>
</tr>
<tr>
<td>4:20 PM</td>
<td>Discussion</td>
</tr>
<tr>
<td>4:30 PM</td>
<td><strong>REDUCE FMR: Summary and Clinical Implications</strong></td>
</tr>
<tr>
<td>4:35 PM</td>
<td>Discussion</td>
</tr>
<tr>
<td>4:45 PM</td>
<td><strong>COAPT: Summary and Clinical Implications</strong></td>
</tr>
<tr>
<td>4:50 PM</td>
<td>Discussion</td>
</tr>
</tbody>
</table>

### PRESENTATION THEATER PROGRAM: ADVANCED SOLUTIONS FOR COMPLEX PCI: XIENCE SIERRA, OCT AND OUTCOMES (SPONSORED BY ABBOTT)

**SUNDAY, SEPTEMBER 23, 2018**

**11:30 AM - 12:30 PM**

**Advanced Solutions for Complex PCI: XIENCE Sierra, OCT and Outcomes**

**Faculty:** Jonathan M. Hill, Allen Jeremias, Jose M. de la Torre Hernandez

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>11:30 AM</td>
<td><strong>Welcome</strong></td>
</tr>
<tr>
<td></td>
<td>Lecturers: Jose M. de la Torre Hernandez</td>
</tr>
<tr>
<td>11:34 AM</td>
<td><strong>Left Main NEW EXCEL Data and Case Review</strong></td>
</tr>
<tr>
<td></td>
<td>Lecturers: Jonathan M. Hill</td>
</tr>
<tr>
<td>11:53 AM</td>
<td><strong>Diffuse and Calcified Lesions: Treating Challenging Situations</strong></td>
</tr>
<tr>
<td>12:12 PM</td>
<td><strong>How to Use OCT to Get Precise Placement for Bifurcations: Introduction to the BOOM Technique</strong></td>
</tr>
<tr>
<td></td>
<td>Lecturers: Allen Jeremias</td>
</tr>
<tr>
<td>12:30 PM</td>
<td><strong>Adjourn</strong></td>
</tr>
</tbody>
</table>

### PRESENTATION THEATER PROGRAM: FFR AND NHPR: START RIGHT, FINISH RIGHT (SPONSORED BY OPSENS MEDICAL)

**SUNDAY, SEPTEMBER 23, 2018**
11:30 AM - 12:30 PM
FFR and NHPR: Start Right, Finish Right

Chairs: Morton J. Kern
Faculty: Allen Jeremias, Yoshiaki Kawase, Manish A. Parikh, Barry F Uretsky

11:30 AM  Using One FFR Wire Start to Finish
Lecturers: Morton J. Kern

11:40 AM  NHPR and FFR When to Use What
Lecturers: Allen Jeremias

11:50 AM  Clinical Experience Using Opsens dPR
Lecturers: Yoshiaki Kawase

12:00 PM  Understanding the Impact of Drift: The DRIFT study
Lecturers: Manish A. Parikh

12:10 PM  Post PCI FFR Ending on a High Note
Lecturers: Barry F Uretsky

12:20 PM  Discussion
Moderators: Morton J. Kern
Discussants: Allen Jeremias, Yoshiaki Kawase, Manish A. Parikh, Barry F Uretsky

12:30 PM  Adjourn
11:30 AM - 12:30 PM
**.presentation Theater 1**

**TMVR: Preparing for the Next Revolution**
*Co Chairs: Martin B. Leon, Christopher U. Meduri*
*Faculty: Vinayak Bapat, Michael J. Mack, Nicolo Piazza, Vivek Rajagopal, MD*

- **11:30 AM** Welcome
  Lecturers: Christopher U. Meduri

- **11:34 AM** Transcatheter Mitral Valve Replacement: Rationale and Trial Design Considerations
  Lecturers: Martin B. Leon

- **11:44 AM** Discussion and Audience Interaction

- **11:47 AM** CT Imaging and Screening the Transcatheter Mitral Valve Replacement Patient
  Lecturers: Nicolo Piazza

- **11:57 AM** Discussion and Audience Interaction

- **12:00 PM** Optimizing Medical Care for the Transcatheter Mitral Valve Replacement Patient
  Lecturers: Vivek Rajagopal, MD

- **12:10 PM** Discussion and Audience Interaction

- **12:13 PM** Intrepid Transcatheter Mitral Valve Replacement Global Pilot Study Outcomes: Lessons Learned
  Lecturers: Vinayak Bapat

- **12:23 PM** Discussion and Audience Interaction

- **12:26 PM** Session Evaluation and Key Learnings
  Lecturers: Martin B. Leon, Christopher U. Meduri

- **12:30 PM** Adjourn

**PRESENTATION THEATER PROGRAM: UNVEILING THE FUTURE OF BIORESORBABLE CORONARY SCAFFOLDS: THE THIN-WALLED HIGH MECHANICAL PERFORMANCE AMARANTH MEDICAL BRS PROGRAM (SPONSORED BY AMARANTH MEDICAL, INC.)**

SUNDAY, SEPTEMBER 23, 2018
11:30 AM - 12:30 PM
Presentation Theater 2

**Unveiling the Future of Bioresorbable Coronary Scaffolds: The Thin-Walled High Mechanical Performance Amaranth Medical BRS Program**
*Chairs: Antonio Colombo, Martin B. Leon*
*Faculty: Alaide Chieffo, Juan F. Granada, Azeem Latib*

- **11:30 AM** Welcome and Session Objectives
  Lecturers: Antonio Colombo

- **11:35 AM** Technological Platform and Experimental Insights from the Worlds Thinnest 85 m BRS
  Lecturers: Juan F. Granada

- **11:47 AM** Discussion and Audience Questions
  Moderators: Antonio Colombo, Martin B. Leon

- **11:52 AM** FORTITUDE 150 m and APTITUDE 115 m BRS: 2 and 3 year Clinical Updates
  Lecturers: Alaide Chieffo

- **12:04 PM** Discussion and Audience Questions
  Moderators: Martin B. Leon

- **12:09 PM** MAGNITUDE 98 m BRS 9 month Final Safety and Imaging Results
  Lecturers: Azeem Latib

- **12:21 PM** Discussion and Audience Questions
  Moderators: Martin B. Leon

- **12:26 PM** Session Evaluation and Summary
  Lecturers: Martin B. Leon

**PRESENTATION THEATER PROGRAM: CHALLENGING PCI IN HIGH-BLEEDING RISK PATIENTS - A CASE BASED APPROACH (SPONSORED BY MEDTRONIC)**

SUNDAY, SEPTEMBER 23, 2018
1:00 PM - 2:00 PM
Presentation Theater 3

Challenging PCI in High-Bleeding Risk Patients - A Case Based Approach
Co Chairs: Ajay J. Kirtane, Azeem Latib

1:00 PM  Welcome and Session Objectives
1:05 PM  A Patient Older Than 75 Years
1:13 PM  Panel Discussion QA
1:22 PM  A Patient Currently Taking Anti Coagulants
1:30 PM  Panel Discussion QA
1:39 PM  A Patient With a History of Bleeding
1:47 PM  Panel Discussion QA
1:56 PM  Summary and Close

PRESENTATION THEATER PROGRAM: CLINICAL KALEIDOSCOPE OF NOVEL INTERVENTIONAL TECHNOLOGIES (MERIL LIFE SCIENCES PVT. LTD.)

SUNDAY, SEPTEMBER 23, 2018
1:00 PM - 2:00 PM
Presentation Theater 2

Clinical Kaleidoscope of Novel Interventional Technologies
Chairs: Teguh Santoso, Samin K. Sharma
Faculty: Alexandre Abizaid, Pierfrancesco Agostoni, Abdul Rahman Al-Mughairi, Praveen Chandra, Alejandro Cherro, Enric Domingo, Martin B. Leon, Gabriel Maluenda, Chen Mao, Sahil A. Parikh, Ravinder Singh Rao, Mohd. Riad Senoussaoui, Ashok Seth, Corrado Tamburino

1:00 PM  Opening Remarks
Lecturers: Martin B. Leon
1:05 PM  Science Behind MyVal THV Clinical Update
Lecturers: Ashok Seth
1:12 PM  My Experience With MyVal THV in Complex Clinical Situations
Lecturers: Ravinder Singh Rao
1:19 PM  Next Generation BRS MeRes100 Science Clinical Update
Lecturers: Praveen Chandra
1:26 PM  Extending the Role of BRS in PAD Clinical Update
Lecturers: Sahil A. Parikh
1:33 PM  BioMime Thinner Strut DES meriT V RCT Update
Lecturers: Alexandre Abizaid
1:40 PM  Complex Cases With BioMime Family of SES
Lecturers: Corrado Tamburino
1:47 PM  Panel Discussion
2:00 PM  Adjourn

PRESENTATION THEATER PROGRAM: MORE OPTIONS AND MORE POSSIBILITIES IN TREATING HF PATIENTS WITH MR (SPONSORED BY ABBOTT)

SUNDAY, SEPTEMBER 23, 2018
1:00 PM - 2:00 PM
Presentation Theater 5

More Options and More Possibilities in Treating HF Patients with MR
Faculty: William T. Abraham, Saibal Kar, JoAnn Lindenfeld, Michael J. Mack, Gregg W. Stone

1:00 PM  Welcome
Lecturers: Michael J. Mack
1:05 PM Emerging Data in the Heart Failure Patient with MR
Lecturers: Gregg W. Stone
1:15 PM Implications to Patient Care: When Guided Therapy Is Not Enough
Lecturers: William T. Abraham
1:25 PM The New Heart Team: A Conversation with your Heart Failure Specialist
Lecturers: JoAnn Lindenfeld
1:35 PM New Horizons in Patient Outcomes with MitraClip NTR XTR: On Behalf of the EXPAND Investigators
Lecturers: Saibal Kar
1:45 PM Closing and Remarks
Lecturers: William T. Abraham, Saibal Kar, JoAnn Lindenfeld, Michael J. Mack, Gregg W. Stone
2:00 PM Adjourn

PRESENTATION THEATER PROGRAM: OPTIMIZING PCI: NEW OPTIONS IN CORONARY PHYSIOLOGY & HIGH DEFINITION IVUS (SPONSORED BY BOSTON SCIENTIFIC CORPORATION)

SUNDAY, SEPTEMBER 23, 2018
1:00 PM - 2:00 PM
Presentation Theater 4

1:00 PM - 2:00 PM
Optimizing PCI: New Options in Coronary Physiology & High Definition IVUS
Chairs: Morton J. Kern
Faculty: Ziad A. Ali, Nils Johnson, Akiko Maehara

1:00 PM Coronary Physiology Toolbox
Lecturers: Morton J. Kern
1:05 PM DFR Methodology Analysis
Lecturers: Nils Johnson
1:20 PM When to Use What in Coronary Physiology Post PCI Physiology
Lecturers: Ziad A. Ali
1:35 PM HD IVUS When Precision Depth Matter
Lecturers: Akiko Maehara
1:50 PM Panel Discussion QA
Moderators: Morton J. Kern
Discussants: Ziad A. Ali, Nils Johnson, Akiko Maehara

PRESENTATION THEATER PROGRAM: OPTIMIZING REVASCULARIZATION IN COMPLEX PERIPHERAL ARTERIAL LESIONS (SPONSORED BY MEDTRONIC)

SUNDAY, SEPTEMBER 23, 2018
1:00 PM - 2:00 PM
Presentation Theater 1

1:00 PM - 2:00 PM
Optimizing Revascularization in Complex Peripheral Arterial Lesions
Chairs: Krishna J. Rocha-Singh
Faculty: Brian G. DeRubertis, Jon C. George, Mehdi H. Shishehbor

1:00 PM Introduction
Lecturers: Krishna J. Rocha-Singh
1:10 PM Durability of Drug Coated Balloons
Lecturers: Krishna J. Rocha-Singh
1:25 PM Vessel Preparation for Optimal Outcomes
Lecturers: Brian G. DeRubertis
1:40 PM Optimal Angioplasty Techniques Below the Knee
Lecturers: Jon C. George
1:55 PM Closing Remarks
Lecturers: Krishna J. Rocha-Singh

TRAINING: ABBOTT PAVILION #6 - LARGE BORE ACCESS TO CLOSE: WHAT YOU WANT (AND NEED!!) TO KNOW
SUNDAY, SEPTEMBER 23, 2018
8:00 AM - 9:30 AM
ABBOTT PAVILION, Interactive Training Workshops (Sails Pavilion), Upper Level

8:00 AM - 9:30 AM
Large Bore Access to Close: What You Want (and Need!!) to Know
Interactive Training Faculty: Paul D. Mahoney, Adhir Shroff

  8:00 AM  Introduction: Access Planning and Management of Complications Review

  8:20 AM  Hands on Device Deployment

TRAINING: BOSTON SCIENTIFIC PAVILION #6 - LAA: WATCHMAN

SUNDAY, SEPTEMBER 23, 2018
8:00 AM - 9:30 AM
BOSTON SCIENTIFIC PAVILION, Interactive Training Workshops (Sails Pavilion), Upper Level

8:00 AM - 9:30 AM
LAA: Watchman
Interactive Training Faculty: Shephal Doshi, George S. Hanzel, Saibal Kar

  8:00 AM  Latest Watchman Clinical Data and Procedural Tips and Tricks

TRAINING: CHIP - ADVANCED PCI TECHNIQUES PAVILION #5 - CORONARY CALCIUM SOLUTIONS

SUNDAY, SEPTEMBER 23, 2018
8:00 AM - 9:30 AM
CHIP PAVILION, Interactive Training Workshops (Sails Pavilion), Upper Level

8:00 AM - 8:45 AM
Rapid Fire Case Presentations

  8:00 AM  Calcium Complications and Bailout Situations
          Interactive Training Faculty: Ramzan Zakir

  8:00 AM  The Use of Imaging to Assist With Calcium Management
          Interactive Training Faculty: Robert Leonardi

  8:00 AM  Tips and Tricks to Guide and Extension Management
          Interactive Training Faculty: Ramzan Zakir

  8:00 AM  When and How to Use Coronary Atherectomy and the Importance of Stent Underexpansion in Addition to Device Delivery
          Interactive Training Faculty: Jasvindar Singh

8:45 AM - 9:30 AM
Hands-on Rotations Between Boston Scientific, CSI, and Abiomed

  8:45 AM  Abiomed: Impella Family of Devices
          Interactive Training Faculty: Thom G Dahle, Justin Levisay

TRAINING: ENDOVASCULAR PAVILION #5 - SFA INTERVENTION, COMPLEX LESIONS, DEBULKING, AND DEFINITIVE THERAPY

SUNDAY, SEPTEMBER 23, 2018
8:00 AM - 9:30 AM
ENDOVASCULAR PAVILION, Interactive Training Workshops (Sails Pavilion), Upper Level

8:00 AM - 9:30 AM
SFA Intervention: De-bulking, Complex Lesions, and Definitive Therapy Session I

  8:00 AM  Video Introduction: Introducing Unmet Needs Complex Lesions Definitive Treatment Options and Debunking
8:10 AM Rotation 1: Definitive Treatment Options Featuring Abbott
Interactive Training Faculty: Danielle Bajakian, Jun Li, Craig M. Walker

8:30 AM Rotation 2: Definitive Treatment Options and Debuking Featuring BSC
Interactive Training Faculty: Beau Hawkins, S. Jay Mathews, Nicolas W Shammas

8:50 AM Rotation 3: Definitive Treatment Options Debuking and Complex Lesions Featuring Medtronic
Interactive Training Faculty: S. Hinan Ahmed, Subhash Banerjee, Anish Thomas

9:10 AM Rotation 4: Debuking Featuring CSI
Interactive Training Faculty: Mahir Elder, Bryan T. Fisher, Vishal Kapur

TRAINING: HEMODYNAMIC SUPPORT AND PATIENT MANAGEMENT PAVILION #5 - LARGE BORE ACCESS AND CLOSURE

SUNDAY, SEPTEMBER 23, 2018
8:00 AM - 9:30 AM
HEMODYNAMIC PAVILION, Interactive Training Workshops (Sails Pavilion), Upper Level

8:00 AM - 9:30 AM
Large Bore Access and Closure

8:00 AM Percutaneous Axillary AccessLarge Bore Access and Closure: Overview
Interactive Training Faculty: Amir Kaki, James M. McCabe, Rajiv Tayal

8:10 AM Hands on Percutaneous Axillary AccessLarge Bore Access and Closure

TRAINING: INTERVENTIONAL IMAGING PAVILION #5 - FUSION IMAGING FOR PARAVALVULAR LEAK

SUNDAY, SEPTEMBER 23, 2018
8:00 AM - 9:30 AM
Interventional Imaging Pavilion, Interactive Training Workshop, Upper Level

8:00 AM - 9:30 AM
Fusion Imaging for Paravalvular Leak
Interactive Training Faculty: Bob Burke, Chad Klinger, Rahul Sharma, Paul Sorajja, Torsten P. Vahl

TRAINING: TAVR PAVILION #5 - WHAT MATTERS MOST FOR AS PATIENTS

SUNDAY, SEPTEMBER 23, 2018
8:00 AM - 9:30 AM
TAVR PAVILION, Interactive Training Workshops (Sails Pavilion), Upper Level

8:00 AM - 9:30 AM
What Matters Most for AS Patients
Interactive Training Faculty: Philippe Pibarot, Michael J. Rinaldi, Vinod H. Thourani, Neil J. Weissman

TRAINING: ABBOTT PAVILION #7 - NOW THAT I SEE IT, I KNOW HOW TO TREAT IT! A HANDS-ON SKILLS LAB

SUNDAY, SEPTEMBER 23, 2018
10:00 AM - 11:30 AM
ABBOTT PAVILION, Interactive Training Workshops (Sails Pavilion), Upper Level

10:00 AM - 11:30 AM
Now That I See It, I Know How to Treat It! A Hands-on Skills Lab
Interactive Training Faculty: Ziad A. Ali, Hiram G. Bezerra, Jonathan M. Hill, Vamsi Krishsna, Bruce McLellan, Evan Shlofmitz

10:00 AM OCT: Now that I see it Presentation

TRAINING: BOSTON SCIENTIFIC PAVILION #7 - LAA: WATCHMAN
SUNDAY, SEPTEMBER 23, 2018
10:00 AM - 11:30 AM
BOSTON SCIENTIFIC PAVILION, Interactive Training Workshops (Sails Pavilion), Upper Level

10:00 AM - 11:30 AM
LAA: Watchman
Interactive Training Faculty: Megan Coylewright, Shephal Doshi, George S. Hanzel

10:00 AM  Latest Watchman Clinical Data and Procedural Tips and Tricks

TRAINING: CHIP - ADVANCED PCI TECHNIQUES PAVILION #6 - CORONARY CALCULUM SOLUTIONS

SUNDAY, SEPTEMBER 23, 2018
10:00 AM - 11:30 AM
CHIP PAVILION, Interactive Training Workshops (Sails Pavilion), Upper Level

10:00 AM - 10:45 AM
Rapid Fire Case Presentations

- 10:00 AM  Calcium Complications and Bailout Situations
Interactive Training Faculty: Brian P O'Neill

- 10:00 AM  The Use of Imaging to Assist With Calcium Management
Interactive Training Faculty: Binita Shah

- 10:00 AM  Tips and Tricks to Guide and extension Management
Interactive Training Faculty: Mark C. Bieniarz

- 10:00 AM  When and How to Use Coronary Atherectomy and the Importance of Stent Underexpansion in Addition to Device Delivery
Interactive Training Faculty: Rajeev Narayan

10:45 AM - 11:30 AM
Hands-on Rotations Between Boston Scientific, CSI, Abiomed

- 10:45 AM  Abiomed Featured Devices: Impella Family of Devices

TRAINING: ENDOVASCULAR PAVILION #6 - SFA INTERVENTION, COMPLEX LESIONS, DEBULKING, AND DEFINITIVE THERAPY

SUNDAY, SEPTEMBER 23, 2018
10:00 AM - 11:30 AM
ENDOVASCULAR PAVILION, Interactive Training Workshops (Sails Pavilion), Upper Level

10:00 AM - 11:30 AM
SFA Intervention: De-bulking, Complex Lesions, and Definitive Therapy Session II

- 10:00 AM  Video Introduction: Introducing Unmet Needs  Definitive Treatment Options Debulking and Complex Lesions

- 10:10 AM  Rotation 1: Definitive Treatment Options Featuring Abbott
Interactive Training Faculty: Danielle Bajakian, Ethan C Korngold

- 10:30 AM  Rotation 2: Definitive Treatment Options and Debulking Featuring BSC
Interactive Training Faculty: Ehrin J. Armstrong

- 10:50 AM  Rotation 3: Definitive Treatment Options Debulking and Complex Lesions Featuring Medtronic
Interactive Training Faculty: Subhash Banerjee, George S Chrysant, Eric J. Dippel

- 11:10 AM  Rotation 4: Debulking Featuring CSI
Interactive Training Faculty: George L Adams, Beau Hawkins, Carlos I. Mena-Hurtado

TRAINING: HEMODYNAMIC SUPPORT AND PATIENT MANAGEMENT PAVILION #6 - CARDIOGENIC SHOCK (NCSI)

SUNDAY, SEPTEMBER 23, 2018
10:00 AM - 11:30 AM
HEMODYNAMIC PAVILION, Interactive Training Workshops (Sails Pavilion), Upper Level
Cardiogenic Shock: The National Cardiogenic Shock Initiative

10:00 AM  NCSI: Improving Outcomes in Cardiogenic Shock
Interactive Training Faculty: William W. O'Neill

10:30 AM  ICU Management: Positioning Troubleshooting Escalation
Interactive Training Faculty: Salvatore F Mannino

11:00 AM  Treating the Shock Patient: Choosing the Optimal Support Device
Interactive Training Faculty: Navin K. Kapur

TRAINING: INTERVENTIONAL IMAGING PAVILION #6 - FUSION IMAGING FOR PARAVALVULAR LEAK

SUNDAY, SEPTEMBER 23, 2018
10:00 AM - 11:30 AM
Interventional Imaging Pavilion, Interactive Training Workshop, Upper Level

10:00 AM - 11:30 AM
Fusion Imaging for Paravalvular Leak
Interactive Training Faculty: Bob Burke, Omar K. Khalique, Chad Kliger, Rahul Sharma, Paul Sorajja

TRAINING: MEDTRONIC PAVILION #6 - STRUCTURAL HEART: TAVR IN BICUSPID AORTIC VALVE TRAINING WORKSHOP

SUNDAY, SEPTEMBER 23, 2018
10:00 AM - 11:30 AM
MEDTRONIC PAVILION, Interactive Training Workshops (Sails Pavilion), Upper

10:00 AM - 11:30 AM
Structural Heart: TAVR in Bicuspid Aortic Valve Training Workshop
Interactive Training Faculty: Basel Ramlawi

  10:00 AM  Introduction
  10:05 AM  Overview of Bicuspid Aortic Valve Disease State
  10:25 AM  Identification and Classification of Bicuspid Aortic Valves
  10:45 AM  Sizing methodology controversies and Procedural Considerations for Performing TAVR in Bicuspid

TRAINING: TAVR PAVILION #6 - HOW TO APPROACH AORTIC AND MITRAL VALVE-IN-VALVE

SUNDAY, SEPTEMBER 23, 2018
10:00 AM - 11:30 AM
TAVR PAVILION, Interactive Training Workshops (Sails Pavilion), Upper Level

10:00 AM - 11:30 AM
How to Approach Aortic and Mitral Valve-in-Valve
Interactive Training Faculty: Vasilis Babaliaros, Adam B. Greenbaum, Mayra Guerrero, Paul D. Mahoney

TRAINING: ABBOTT PAVILION #8 - PFO CLOSURE: RECENT DATA, TECHNIQUES, AND BEST PRACTICES FOR MANAGING PATIENTS

SUNDAY, SEPTEMBER 23, 2018
12:00 PM - 1:30 PM
ABBOTT PAVILION, Interactive Training Workshops (Sails Pavilion), Upper Level

12:00 PM - 1:30 PM
PFO Closure: Recent Data, Techniques, and Best Practices for Managing Patients
Interactive Training Faculty: Zahid Amin, Lee N. Benson, Patrick A. Calvert, John M. Lasala, Igal Moarof, Rodrigo Nieckel da Costa, Jens Erik Nielsen-Kudsk

  12:00 PM  Introduction
PFO Closure: Recent Data Techniques and Best Practices for Managing Patients

**TRAINING: BOSTON SCIENTIFIC PAVILION #8 - LAA: WATCHMAN**

**SUNDAY, SEPTEMBER 23, 2018**

12:00 PM - 1:30 PM
BOSTON SCIENTIFIC PAVILION, Interactive Training Workshops (Sails Pavilion), Upper Level

---

12:00 PM - 1:30 PM
**LAA: Watchman**
Interactive Training Faculty: Steven L. Almany, Shephal Doshi, Saibol Kar

12:00 PM  Latest Watchman Clinical Data and Procedural Tips and Tricks

---

**TRAINING: MEDTRONIC PAVILION #7 - STRUCTURAL HEART: AORTIC VIV TRAINING WORKSHOP**

**SUNDAY, SEPTEMBER 23, 2018**

12:00 PM - 1:30 PM
MEDTRONIC PAVILION, Interactive Training Workshops (Sails Pavilion), Upper Level

---

12:00 PM - 1:30 PM
**Structural Heart: Aortic VIV Training Workshop**
Interactive Training Faculty: Basel Ramlawi

12:00 PM  Introduction
12:05 PM  Interactive Case Presentation VIV in Stented Surgical Valves
12:35 PM  Wetlab: Surgical Valve Implant Considerations
1:10 PM  Device Re capture Mitigation of Coronary Occlusion and

---

**TRAINING: ABBOTT PAVILION #9 - MITRACLIP NTR & XTR: DEVICE & PROCEDURAL TECHNIQUES**

**SUNDAY, SEPTEMBER 23, 2018**

2:00 PM - 3:30 PM
ABBOTT PAVILION, Interactive Training Workshops (Sails Pavilion), Upper Level

---

2:00 PM - 3:30 PM
**MitraClip NTR & XTR: Device & Procedural Techniques**
Interactive Training Faculty: Gorav Ailawadi, Anita Asgar, Wayne B. Batchelor, Bob Burke, Steve Burstein, Bassem Chehab, Paolo Denti, Nicolas Dumonteil, Rodrigo Estevez-Loureiro, GEORGE GELLERT, Carmelo Grasso, James B. Hermiller Jr, Scott Lim, Paul D. Mahoney, Moody M Makar, Andrew Morse, Ahmed Mustafa, Vivek Rajagopal, Mark J. Ricciardi, Michael J. Rinaldi, David G. Rizik, Evelio Rodriguez, Joshua Rovin, Gagan D Singh, Thomas Smith, Maurizio Taramasso

2:00 PM  Introduction
2:05 PM  Didactic Device Overview
2:25 PM  Hands On Device Deployment

---

**TRAINING: BOSTON SCIENTIFIC PAVILION #9 - INNOVATIONS IN TAVR: LOTUS EDGE, ACURATE NEO2, AND SENTINEL CEREBRAL PROTECTION SYSTEM**

**SUNDAY, SEPTEMBER 23, 2018**

2:00 PM - 3:30 PM
BOSTON SCIENTIFIC PAVILION, Interactive Training Workshops (Sails Pavilion), Upper Level

---

2:00 PM - 3:30 PM
**Innovations in TAVR: LOTUS Edge, ACURATE neo2, and Sentinel Cerebral Protection System**
Interactive Training Faculty: Alexandre Abizaid, Vijay Iyer, Saib Khogali
2:00 PM  Introduction to LOTUS Edge: Technology and Case Reviews
2:15 PM  QA
2:20 PM  Introduction to ACURATE neo2: Technology and Case Reviews
2:35 PM  QA
2:40 PM  Introduction to Sentinel Embolic Protection Device
2:50 PM  QA

TRAINING: CHIP - ADVANCED PCI TECHNIQUES PAVILION #7 - TEACHING OLD DOGS NEW TRICKS

SUNDAY, SEPTEMBER 23, 2018
2:00 PM - 3:30 PM
CHIP PAVILION, Interactive Training Workshops (Sails Pavilion), Upper Level

2:00 PM - 2:45 PM
Rapid Fire Case Presentations

- 2:00 PM  Complications Management
  Interactive Training Faculty: Matthias Götgberg
- 2:00 PM  Crossing and Delivery Issues
  Interactive Training Faculty: Dimitrios Bliagos
- 2:00 PM  Radial Tips and Tricks
  Interactive Training Faculty: Kintur Sanghvi
- 2:00 PM  Troubleshooting Common Problems in Complex PCI: When the Guide Won't Engage When the Lesion or Branch Cant Be Wired Open Vessel When the Balloon Won't Cross When the Stent Doesn't Expand Non Coaxial and Co Axial Anchoring
  Interactive Training Faculty: Pravin K Goel

2:45 PM - 3:30 PM
Hands-on Rotations Between Boston Scientific, Medtronic, and TBD

- 2:45 PM  Medtronic Inc Featured Device: Radial Guides Onyx Simulator and Videos for loops
  Interactive Training Faculty: Matthias Götgberg, Azeem Latib, Duane S. Pinto

TRAINING: ENDOVASCULAR PAVILION #7 - SFA INTERVENTION, COMPLEX LESIONS, DEBULKING, AND DEFINITIVE THERAPY

SUNDAY, SEPTEMBER 23, 2018
2:00 PM - 3:30 PM
ENDOVASCULAR PAVILION, Interactive Training Workshops (Sails Pavilion), Upper Level

2:00 PM - 3:30 PM
SFA Intervention: De-bulking, Complex Lesions, and Definitive Therapy Session III
Interactive Training Faculty: Samer Abbas, George L Adams, Mohammad Mehdi Ansari, Ehrin J. Armstrong, Anvar Babaev, George S Chrysant, Eric J. Dippel, Ethan C Korngold, S. Jay Mathews, Mitul Patel, Mehdi H. Shishehbor, Mitchell Weinberg

- 2:00 PM  Video Introduction: Introducing Unmet Needs  Definitive Treatment Options Debulking and Complex Lesions
- 2:10 PM  Rotation 1: Definitive Treatment Options Featuring Abbott
  Interactive Training Faculty: Ethan C Korngold, Mehdi H. Shishehbor
- 2:30 PM  Rotation 2: Definitive Treatment Options and Debulking Featuring BSC
  Interactive Training Faculty: Mohammad Mehdi Ansari, Anvar Babaev, S. Jay Mathews
- 2:50 PM  Rotation 3: Definitive Treatment Options Debulking and Complex Lesions Featuring Medtronic
  Interviewer: Mitchell Weinberg
  Interactive Training Faculty: Samer Abbas, Mitul Patel
- 3:10 PM  Rotation 4: Definitive Treatment Options and Complex Lesions Featuring Cook
  Interactive Training Faculty: George L Adams, Ehrin J. Armstrong, Eric J. Dippel

TRAINING: HEMODYNAMIC SUPPORT AND PATIENT MANAGEMENT PAVILION #7 - TEACH INTRO

SUNDAY, SEPTEMBER 23, 2018
2:00 PM - 3:30 PM
2:00 PM - 3:30 pm

**Training and Education in Advanced Cardiovascular Hemodynamics**

- **2:00 PM**  
  Training and Education in Advanced Cardiovascular Hemodynamics: TEACH Intro
  Interactive Training Faculty: Daniel Burkhoff

- **2:20 PM**  
  Simulated cases on HRPCI Hands On
  Interactive Training Faculty: John M. Lasala

- **3:00 PM**  
  Simulated Cases on AMICGS Hands On
  Interactive Training Faculty: Perwaiz M. Meraaj

---

**Training: Interventional Imaging Pavilion #7 - Advanced Imaging for Valve-In-Valve**

**Sunday, September 23, 2018**

2:00 PM - 3:30 PM

Interventional Imaging Pavilion, Interactive Training Workshop, Upper Level

---

**Training: Medtronic Pavilion #8 - Structural Heart: Confronting the Patient with Coronary Artery Disease and Aortic Stenosis**

**Sunday, September 23, 2018**

2:00 PM - 3:30 PM

MEDTRONIC PAVILION, Interactive Training Workshops (Sails Pavilion), Upper Level

---

**Training: TAVR Pavilion #7 - Understanding THV Hemodynamics and Durability**

**Sunday, September 23, 2018**

2:00 PM - 3:30 PM

TAVR PAVILION, Interactive Training Workshops (Sails Pavilion), Upper Level

---


**Sunday, September 23, 2018**

4:00 PM - 5:30 PM

ABBOTT PAVILION, Interactive Training Workshops (Sails Pavilion), Upper Level

---
Interactive Training Faculty: David Daniels, Jack Hall, Amir Kaki, William Nicholson, Robert F. Riley

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  Wiggle wire Overview and Hands on Activity

TRAINING: BOSTON SCIENTIFIC PAVILION #10 - INNOVATIONS IN TAVR: LOTUS EDGE, ACURATE NEO2, AND SENTINEL CEREBRAL PROTECTION SYSTEM

SUNDAY, SEPTEMBER 23, 2018
4:00 PM - 5:30 PM
BOSTON SCIENTIFIC PAVILION, Interactive Training Workshops (Sails Pavilion), Upper Level

4:00 PM - 5:30 PM
Innovations in TAVR: LOTUS Edge, ACURATE neo2, and Sentinel Cerebral Protection System
Interactive Training Faculty: Alexandre Abizaid, Daniel J. Blackman, Vijay Iyer

- 4:00 PM  Introduction to LOTUS Edge: Technology and Case Reviews
- 4:15 PM  QA
- 4:20 PM  Introduction to ACURATE neo2: Technology and Case Reviews
- 4:35 PM  QA
- 4:40 PM  Introduction to Sentinel Embolic Protection Device
- 4:50 PM  QA

TRAINING: CHIP - ADVANCED PCI TECHNIQUES PAVILION #8 - TEACHING OLD DOGS NEW TRICKS

SUNDAY, SEPTEMBER 23, 2018
4:00 PM - 5:30 PM
CHIP PAVILION, Interactive Training Workshops (Sails Pavilion), Upper Level

4:00 PM - 4:45 PM
Rapid Fire Case Presentations

- 4:00 PM  Complications Management
  Interactive Training Faculty: Junjie Zhang
- 4:00 PM  Crossing and Delivery Issues
  Interactive Training Faculty: Ryan D. Madder
- 4:00 PM  Radial Tips and Tricks
  Interactive Training Faculty: William A Rolleson
- 4:00 PM  Troubleshooting Common Problems in Complex PCI: When the Guide Won't Engage When the Lesion or Branch Cant Be Wired Open Vessel When the Balloon Won't Cross When the Stent Doesn't Expand Non Coaxial and Co Axial Anchoring
  Interactive Training Faculty: Kevin J. Crace

4:45 PM - 5:30 PM
Hands-on Rotations Between Boston Scientific Corporation, Medtronic Inc., and TDB

- 4:45 PM  Medtronic Inc Featured Device: Radial Guides Onyx Simulator and Videos for loops
  Interactive Training Faculty: Francesco Burzotta, Fausto Feres, Duane S. Pinto

TRAINING: ENDOVASCULAR PAVILION #8 - SFA INTERVENTION, COMPLEX LESIONS, DEBULKING, AND DEFINITIVE THERAPY
4:00 PM - 5:30 PM
**SFA Intervention: De-bulking, Complex Lesions, and Definitive Therapy Session IV**
Interactive Training Faculty: Samer Abbas, Mohammad Mehdi Ansari, Gary M. Ansel, Anvar Babaev, Karthik R. Gijja, Steve Henao, Vishal Kapur, Mitul Patel, Virendra I Patel, Mehdi H. Shishehbor, Mitchell Weinberg, Ramzan Zakir

- **4:00 PM**  Video Introduction: Introducing Unmet Needs  Definitive Treatment Options Debulking and Complex Lesions
- **4:10 PM**  Rotation 1: Definitive Treatment Options Featuring Abbott  Interactive Training Faculty: Mohammad Mehdi Ansari, Mehdi H. Shishehbor, Ramzan Zakir
- **4:30 PM**  Rotation 2: Definitive Treatment Options and Debulking Featuring BSC  Interactive Training Faculty: Anvar Babaev, Steve Henao
- **4:50 PM**  Rotation 3: Definitive Treatment Options Debulking and Complex Lesions Featuring Medtronic  Interactive Training Faculty: Karthik R. Gijja, Mitchell Weinberg
- **5:10 PM**  Rotation 4: Definitive Treatment Options and Complex Lesions Featuring Cook  Interactive Training Faculty: Samer Abbas, Gary M. Ansel, Virendra I Patel

**TRAINING: HEMODYNAMIC SUPPORT AND PATIENT MANAGEMENT PAVILION #8 - COMPLEX PROTECTED PCI**

SUNDAY, SEPTEMBER 23, 2018
4:00 PM - 5:30 PM
HEMODYNAMIC PAVILION, Interactive Training Workshops (Sails Pavilion), Upper Level

- **4:00 PM - 5:30 PM**  Complex Protected PCI
  - **4:00 PM**  Complex Protected PCI: Patient Identification  Interactive Training Faculty: Hiram G. Bezerra
  - **4:20 PM**  Simulated Cases on HRPCI Simulation Hands On  Interactive Training Faculty: Mauricio G. Cohen, Duane S. Pinto
  - **4:55 PM**  InsertionRepositioning Hands On  Interactive Training Faculty: Paul D. Mahoney, Adhir Shroff

**TRAINING: INTERVENTIONAL IMAGING PAVILION #8 - ADVANCED IMAGING FOR VALVE-IN-VALVE**

SUNDAY, SEPTEMBER 23, 2018
4:00 PM - 5:30 PM
Interventional Imaging Pavilion, Interactive Training Workshop, Upper Level

- **4:00 PM - 5:30 PM**  Advanced Imaging for Valve-in-Valve  Interactive Training Faculty: João L Cavalcante, Omar K. Khalique, Rahul Sharma, Torsten P. Vahl

**TRAINING: MEDTRONIC PAVILION #9 - EV: IDENTIFYING SUPERFICIAL VENOUS DISEASE AND TREATMENT OPTIONS**

SUNDAY, SEPTEMBER 23, 2018
4:00 PM - 5:30 PM
MEDTRONIC PAVILION, Interactive Training Workshops (Sails Pavilion), Upper Level

- **4:00 PM - 5:30 PM**  EV: Identifying Superficial Venous Disease and Treatment Options  Interactive Training Faculty: Robert E Foster, Jon C. George, Maja Zaric
  - **4:00 PM**  Introduction
  - **4:05 PM**  Didactic Presentation: Understanding Venous Disease Treatment Options for Your Patient
TRAINING: TAVR PAVILION #8 - ADVANCING EFFICIENCY IN TAVR

SUNDAY, SEPTEMBER 23, 2018
4:00 PM - 5:30 PM
TAVR PAVILION, Interactive Training Workshops (Sails Pavilion), Upper Level

4:00 PM - 5:30 PM
Advancing Efficiency in TAVR
Interactive Training Faculty: Anita Asgar, David J. Cohen, David A. Wood

INTERNATIONAL SESSION: A POTPOURRI OF HIGH-RISK AND COMPLEX CASES OF CORONARY, PERIPHERAL, AND STRUCTURAL HEART DISEASE INTERVENTION, PRESENTED BY TSCI (TAIWAN SOCIETY OF CARDIOVASCULAR INTERVENTIONS), ISIC (INDONESIAN SOCIETY OF INTERVENTIONAL CARDIOLOGY), CIAT (CARDIOVASCULAR INTERVENTION ASSOCIATION OF THAILAND), CVIT (JAPANESE ASSOCIATION OF CARDIOVASCULAR INTERVENTION AND THERAPEUTICS)

SUNDAY, SEPTEMBER 23, 2018
8:30 AM - 10:00 AM
Room 24C, Upper Level

8:30 AM - 9:11 AM
Session I. High-Risk and Complex Intervention Part 1
Moderators: Paul Hsien-Li Kao, Wasan Udayachalerm
Discussants: Wacin Buddhari, Chi-Jen Chang, Takaharu Nakayoshi, Sodiqur Rifqi, Yoshito Yamamoto

8:30 AM  Introduction and Session I Goals
Lecturers: Paul Hsien-Li Kao

8:31 AM  Thailand Presents: A Nightmare in CTO Intervention  Chasing the Remnant
Case Presenter: Nattawut Wongpraparut

8:39 AM  Indonesia Presents: PCI and TAVI in a High Risk Patient With ACS Caused by Diffuse Left Coronary Artery Full Metal Jacket In Stent Stenosis With Severe Aortic Stenosis
Case Presenter: Teguh Santoso

8:47 AM  Japan Presents: Endovascular Entry Closure of Aortic Dissection With an Amplatzer Vascular Plug 2
Case Presenter: Yoshuke Hata

8:55 AM  Taiwan Presents: Taiwan TAVR Registry
Lecturers: Wei-Hsian Yin

9:03 AM  Roundtable Discussion With Audience QA

9:09 AM  Session I Conclusions and Take home Messages
Lecturers: Wasan Udayachalerm

9:11 AM - 10:00 AM
Session II. High-Risk and Complex Intervention Part 2
Moderators: Yutaka Hikichi, Teguh Santoso
Discussants: Hsuan-Li Huang, Wirash Kehasukcharoen, Wen-Lieng Lee, Samuel Sudanawidjaja, Damras Tresukosol

9:11 AM  Introduction and Session II Goals
Lecturers: Yutaka Hikichi

9:12 AM  Taiwan Presents: Endovascular Revascularization of Chronic Carotid Artery Occlusion
Case Presenter: Ying-Hsien Chen

9:20 AM  Thailand Presents: Percutaneous Closure of a High Flow Acquired Renal AV Fistula Using AVP2 in a Patient With Heart Failure and Pulmonary Hypertension
Case Presenter: Krissada Meemook

9:28 AM  Japan Presents: BRAVO Technique  Complete Revascularization for Heavily Calcified Common Femoral Artery Occlusion Without Surgical Endarterectomy
Case Presenter: Yoshito Yamamoto

9:36 AM  Indonesia Presents: A Patient With Total Occlusion of Both Subclavian Arteries Both Iliac Arteries the Abdominal Aorta and Left Main  How to Treat
Case Presenter: Linda Lison

9:44 AM  Taiwan Presents: Conquer ALI  Exhaust All the Weapons in Taiwan
Case Presenter: Chung-Ho Hsu

9:52 AM  Roundtable Discussion With Audience QA

9:58 AM  Session II Conclusions and Take home Messages
Lecturers: Teguh Santoso
SUNDAY, SEPTEMBER 23, 2018
9:00 AM - 10:30 AM
Room 24C, Upper Level

9:00 AM  Slovenia Presents: Literature Review and a Case: ACS in a Patient With Large Thrombotic Burden
          Lecturers: Miha Cercek

9:13 AM  Roundtable Discussion With Audience QA

9:18 AM  FYRO Macedonia Presents: Literature Review and a Case: Transradial Access for Complex Left Main PCI
          Lecturers: Aaron V. Kaplan

9:31 AM  Roundtable Discussion With Audience QA

9:36 AM  Greece Presents: Literature Review and a Case: PCI for Spontaneous Coronary Artery Dissection
          Lecturers: Michalis Hamilos

9:49 AM  Roundtable Discussion With Audience QA

9:54 AM  Cyprus Presents: Literature Review and a Case: Complex Transradial Primary PCI of an Aneurysmal Tortuous Right Coronary Artery Filled With Thrombus
          Lecturers: Christos Christou

10:07 AM Roundtable Discussion With Audience QA

10:12 AM Serbia Presents: Literature Review and a Case: To Stent or Not to Stent in a Patient With ECG Changes Suggestive of Ischemia
          Lecturers: Milan A. Nedeljkovic

10:25 AM Roundtable Discussion With Audience QA

---

SUNDAY, SEPTEMBER 23, 2018
10:00 AM - 11:30 AM
Room 27A-B, Upper Level

10:00 AM  Impact of Aging on CHIP PCI Technique and Outcomes
          Lecturers: Richard A Anderson

10:08 AM  Case Presentation 1: The Wisdom of CHIP PCI in a Very Elderly Patient
          Case Presenter: Karim Ratib

10:14 AM  Case 1 Commentary: The Wisdom of CHIP PCI in a Very Elderly Patient  What Would I Have Done With This Patient
          Lecturers: Mamas Mamas

10:20 AM  CHIP PCI Outcomes in UK Practice: Insight From the BCIS PCI Registry
          Lecturers: Tim Kinnaird

10:28 AM  Vascular Access Management in the CHIP Patient
          Lecturers: Sergey A. Abugov

10:36 AM  Case Presentation 2: Benefits and Hazards of Distal Radial Access in the CHIP Patient
          Case Presenter: Evgeny V. Merkulov

10:42 AM  Case 2 Commentary: Benefits and Hazards of Distal Radial Access in the CHIP Patient  How I Would Have Done This Case

10:48 AM  Contemporary Assessment and Management of Coronary Calcium
          Lecturers: Keith G. Oldroyd

10:56 AM  Case Presentation 3: Resistant Calcific Left Main Stem Disease

11:02 AM  Case 3 Commentary: Resistant Calcific Left Main Stem Disease  What Does the Literature Tell Us
Lecturers: Nick Curzen

11:08 AM Mechanical Circulatory Support for CHIP PCI: Is There Any Good Data

11:16 AM Case Presentation 4: Mechanical Circulatory Support in CHIP PCI
    Case Presenter: Alexey Protopopov

11:22 AM Case 4 Commentary: Mechanical Circulatory Support in CHIP PCI: How I Would Have Managed This Case

11:28 AM Concluding Remarks
    Lecturers: Margaret B. McEntegart, James Nolan

INTERNATIONAL SESSION: STEMI POTPOURRI PRESENTED BY THE CANADIAN ASSOCIATION OF INTERVENTIONAL CARDIOLOGY; KOREAN SOCIETY OF INTERVENTIONAL CARDIOLOGY; SWISS WORKING GROUP INTERVENTIONAL CARDIOLOGY AND ACUTE CORONARY SYNDROME; VIETNAM NATIONAL HEART ASSOCIATION

SUNDAY, SEPTEMBER 23, 2018
10:30 AM - 12:00 PM
Room 24C, Upper Level

10:30 AM - 12:00 PM
STEMI Potpourri Presented by The Canadian Association of Interventional Cardiology; Korean Society of Interventional Cardiology; Swiss Working Group Interventional Cardiology and Acute Coronary Syndrome; Vietnam National Heart Association
Moderators: Akshay Bagai, Stephen Cook
Discussants: Warren J. Cantor, Hya-Soo Kim, Stephane Noble, Hung Manh Pham

10:30 AM Case Presentation From Canada: False Activation and Alternative Diagnoses
    Case Presenter: Warren J. Cantor

10:40 AM Roundtable Discussion With Audience QA

10:45 AM Case Presentation From Switzerland: STEMI Post TAVI
    Case Presenter: Stephane Noble

10:55 AM Roundtable Discussion With Audience QA

11:00 AM Case Presentation From S Korea: Complete Vs IRA only PCI Among STEMI Patients With MVD

11:10 AM Roundtable Discussion With Audience QA

11:15 AM Case Presentation From Vietnam: Pharmacoinvasive Strategy In the Developing World
    Case Presenter: Quang Ngoc Nguyen

11:25 AM Roundtable Discussion With Audience QA

11:30 AM Unsettled Issues in STEMI Intervention: The Grand Discussion
    Lecturers: Akshay Bagai, Stephen Cook

INTERNATIONAL SESSION: EXPLORING THE UNKNOWN OF INTERVENTIONAL CARDIOLOGY  PCI AND STRUCTURAL INTERVENTIONS PRESENTED BY THE PORTUGUESE ASSOCIATION OF INTERVENTIONAL CARDIOLOGY (APIC), SOCIEDADE BRASILEIRA DE HEMODINÂMICA E CARDIOLOGÍA INTERVENCIONISTA (SBHCI), PHILIPPINE HEART ASSOCIATION, AND THE SINGAPORE CARDIAC SOCIETY

SUNDAY, SEPTEMBER 23, 2018
1:30 PM - 3:30 PM
Room 24C, Upper Level

1:30 PM Exploring the Unknown of Interventional Cardiology: PCI and Structural Interventions
Moderators: Paul J.L. Ong, João A Silveira
Discussants: Andres Jr N Baysa, Alexandre Schaan Quadros

1:30 PM Welcome and Session Objectives
    Lecturers: João A Silveira

1:34 PM Case 1: Percutaneous Closure of Anything With Something  The Off Label Use of Devices Mitral Leak Post MI VSD Ascending Aorta Pseudoaneurysm LV Pseudoaneurysm
    Case Presenter: Antonio Fiarresga

1:44 PM Roundtable Discussion With Audience QA

1:48 PM Case 2: Multiple Long term TAVI Failures: A Unique Case Treated With Three Different Devices
    Case Presenter: Ricardo A. Costa

1:58 PM Roundtable Discussion With Audience QA
2:02 PM  Case 3: An Improvised Fenestrated ASD Occluder in Severe Pulmonary Hypertension  
Case Presenter: Richard Nicandro R Torres

2:12 PM  Roundtable Discussion With Audience QA

2:16 PM  Case 4: OCT Findings and Management of a Dislodged Magnesium Based Bioresorbable Scaffold  
Lecturers: Chee Yang Chin

2:26 PM  Roundtable Discussion With Audience QA

2:30 PM  Case 5: Stent Failure: ISR How to Treat  
Case Presenter: Pedro de Araujo Goncalves

2:40 PM  Roundtable Discussion With Audience QA

2:44 PM  Case 6: Provisional Reverse Stenting in an Ostial Circumflex Lesion  
Case Presenter: Alexandre Schaan Quadros

2:54 PM  Roundtable Discussion With Audience QA

2:58 PM  Case 7: When Calcium Hits You in The Face  
Case Presenter: Fahim Haider Jafary

3:08 PM  Roundtable Discussion With Audience QA

3:12 PM  Case 8: A Complicated EVAR  
Case Presenter: John S Tan

3:26 PM  Closing Remarks  
Lecturers: Paul J.L. Ong

INTERNATIONAL SESSION: CARDIAC INTERVENTIONS IN THE SETTING OF ACUTE MYOCARDIAL INFARCTION, ORGANIZED BY THE SPANISH WORKING GROUP ON INTERVENTIONAL CARDIOLOGY, TURKISH WORKING GROUP OF INTERVENTIONAL CARDIOLOGY, DUTCH WORKING GROUP INTERVENTIONAL CARDIOLOGY, AND THE CARDIAC SOCIETY OF AUSTRALIA AND NEW ZEALAND

SUNDAY, SEPTEMBER 23, 2018
3:30 PM - 5:00 PM  
Room 24C, Upper Level

3:30 PM - 5:00 PM  
Cardiac Interventions in the Setting of Acute Myocardial Infarction

Moderators: Enver Atalar, David W.M. Muller, Armando Perez de Prado, Niels van Royen  
Discussants: Nezih Baris, Rik Hermanides, Raul Moreno, Mark W.I. Webster

3:30 PM  Introduction  
Lecturers: Armando Perez de Prado

3:35 PM  Spain Presents: Hemodynamic Support in a Killip IV Class Patient With Acute Myocardial Infarction  
Case Presenter: Ana Belen Cid Alvarez

3:47 PM  Spain Discusses: How Would I Approach This Patient and Cardiogenic Shock in General  
Lecturers: Raul Moreno

3:54 PM  Turkey Presents: A Patient With Coronary Thrombus Undergoing Primary PCI for STEMI  
Case Presenter: Cem Barcin

4:06 PM  Turkey Discusses: How Would I Approach This Patient and Coronary Thrombus in General  
Lecturers: Nezih Baris

4:13 PM  The Netherlands Presents: A Patient With STEMI and Multivessel Disease  
Approach to the Noninfarct Vessels  
Case Presenter: Rik Hermanides

4:25 PM  The Netherlands Discusses: How Would I Approach This Patient and Multivessel Disease in STEMI in General  
Lecturers: Niels van Royen

4:32 PM  Australia Presents: A Patient With Spontaneous Coronary Artery Dissection  
To Treat or Not

4:44 PM  Australia Discusses: How Would I Approach This Patient and SCAD in General  
Lecturers: Mark W.I. Webster

4:51 PM  Take home Messages  
Lecturers: David W.M. Muller

INTERNATIONAL SESSION: OCT GUIDANCE IN LEFT MAIN BIFURCATIONS, PRESENTED BY THE NORDIC-BALTIC-BRITISH STUDY GROUP FOR INTERVENTIONAL CARDIOLOGY

SUNDAY, SEPTEMBER 23, 2018
3:30 PM - 4:00 PM
Session I. Simple Left Main Bifurcation Treatment Guided by OCT
Discussants: Andrejs Erglis, Niels R. Holm

3:30 PM Structured OCT Guidance for Left Main Bifurcation Stenting
Lecturers: Niels R. Holm

3:40 PM Case 1: OCT in Simple Left Main Bifurcation Stenting
Case Presenter: Indulis Kumsars

3:50 PM Case 2: OCT Guided Provisional Left Main Stenting Should I Stent This Circumflex
Case Presenter: Johan Robert Bennett

4:00 PM - 4:30 PM
Session II. OCT Findings During Complex Left Main Bifurcation Stenting
Discussants: Andrejs Erglis, Niels R. Holm

4:00 PM OCT in the Left Main Coronary Artery Practical Tips and Tricks
Lecturers: Francesco Burzotta

4:10 PM Case 3: OCT as Cosupervisor for the Young Interventionalist Undertaking Left Main Bifurcation Stenting
Case Presenter: Karlis Grikis

4:20 PM Case 4: Complex Left Main Stenting Requires Invasive Imaging Even in Experienced Hands

4:30 PM - 5:00 PM
Session III. OCT-Guided Two-Stent Treatment in Left Main Bifurcation Lesions
Discussants: Andrejs Erglis, Niels R. Holm

4:30 PM OCT Guided DK Crush: Practical Aspects
Lecturers: Lene N Andreasen

4:40 PM Case 5: OCT for DK Crush The Critical Steps

4:50 PM Case 6: OCT for Culotte The Critical Points
Case Presenter: Paul Knaapen

5:00 PM - 5:30 PM
Session VI. OCT-Guided Plaque Preparation in Distal Left Main Bifurcation Stenting
Discussants: Andrejs Erglis, Niels R. Holm

5:00 PM OCT Guided Plaque Preparation for Calcified Distal Left Main Lesions

5:07 PM Case 7: Severely Calcified Distal Left Main Bifurcation Lesion
Case Presenter: Olli A. Kajander

5:17 PM Case 8: Diffuse Disease in Distal Branches Stent Length by Angiography or OCT
Case Presenter: Stuart Watkins

5:27 PM Summary and Take home Messages

INTERNATIONAL SESSION: TCT INTERNATIONAL FELLOWS SESSION

SUNDAY, SEPTEMBER 23, 2018
4:30 PM - 6:05 PM
Room 338-C, Upper Level

4:30 PM - 5:03 PM
Session I. Top Three International Fellows Cases
Moderators: Ori Ben-Yehuda, Mohamed Ahmed Sobhy
Discussants: Mirvat Alasnag, Carlos Cabrera Arroyo, Rabin dra Nath Chakraborty, Afzalur Rahman, Wojtek Wojakowski, Pedro de Araujo Goncalves

4:30 PM Introduction of Top 3 Selected winners
Lecturers: Ori Ben-Yehuda

4:35 PM First Place Winner Case Title: Coronary Compression Exclusion With Intravascular Ultrasound During Percutaneous Pulmonary Valve Implantation Subsequently Complicated By Homograft Rupture
Case Presenter: Karol Zbronski
4:42 PM Second Place Winner Case Title: Utility Of The Hybrid Approach Treating Highly Symptomatic Patient With Multiple Failed Prior Bypass Surgeries And Interventions  
Case Presenter: Peter Tajti

4:49 PM Third Place Winner Case Title: The Point Of No Turning Back  
Case Presenter: Hesham Bahaoeldin

4:56 PM Roundtable Discussion with Audience QA  
Moderators: Ori Ben-Yehuda

5:03 PM - 5:45 PM Session II. Fellows Got Talent  
Case Competition!  
Moderators: Wojtek Wojakowski  
Discussants: Mirvat Alasnag, Ori Ben-Yehuda, Carlos Cabrera Arroyo, Rabin dra Nath Chakraborty, Mohamed Ahmed Sobhy, Pedro de Araujo Goncalves

5:03 PM Case 1 A: Left Main Stem LMS Percutaneous Coronary Intervention PCI With High Speed Rotational Atherectomy HSRA Prior To Transcatheter Aortic Valve Replacement TAVR  
Case Presenter: Novalia Sidik

5:10 PM Case 2 B: A Calcified Lad Coronary Perforation  
Case Presenter: Mesfer Alfadhel

5:17 PM Case 3 C: Liver Or Let Die  
Case Presenter: Julia Stehli

5:24 PM Case 4 D: Treatment Of Calcific Coronary Arteries In The Setting Of Acute Coronary Syndrome In An Elderly Frail Person With Poor Peripheral Arterial Access  
Case Presenter: Muhammad Zia-Ul-Haq

5:31 PM Voting Commences Winner Announced TCT Poll AppPlease vote on the case you found most challenging Options: A B C or D Poll Moderators: Wojtek Wojakowski

5:38 PM Roundtable Discussion with Audience QA  
Moderators: Wojtek Wojakowski

5:45 PM - 6:05 PM Session III. My Most Challenging Case - Fellows Committee  
Moderators: Mirvat Alasnag, Rabin dra Nath Chakraborty  
Discussants: Ori Ben-Yehuda, Carlos Cabrera Arroyo, Afzalur Rahman, Mohamed Ahmed Sobhy, Wojtek Wojakowski, Pedro de Araujo Goncalves

5:45 PM TAVI Valve In Valve Patient With Previous Mitroflw With Bailout Stenting Of The RCA  
Case Presenter: Pedro de Araujo Goncalves

5:52 PM Management Of Acute Carotid Stent Thrombosis  
Case Presenter: Carlos Cabrera Arroyo

5:59 PM Roundtable Discussion with Audience QA  
Moderators: Afzalur Rahman

MODERATED POSTER SESSION: ASSESSMENT AND IMPACT OF AORTIC REGURGITATION

SUNDAY, SEPTEMBER 23, 2018
8:30 AM - 9:30 AM  
Moderated Posters 3, Exhibit Hall, Ground Level

8:30 AM - 9:30 AM Assessment and Impact of Aortic Regurgitation  
Moderators: Philipp Blanke, Randolph P. Martin  
Discussants: Konstantinos Spargias

8:30 AM TCT 443: Quantitative Assessment of Aortic Regurgitation in 7 Different Types of Aortic Valves After Transcatheter Aortic Valve Implantation  
A Multicenter Analysis By An Independent Core Lab Not Sponsored By the industry  
Lecturers: Patrick W. Serruys

8:37 AM Discussion

8:42 AM TCT 444: Comparison of Transthoracic Echocardiogram With Quantitative Assessment of Aortic Regurgitation After TAVI With Videodensitometry in a Large Real World Population: Sub Analysis of the RESPOND Registry  
Lecturers: Rodrigo Modolo

8:49 AM Discussion

8:54 AM TCT 445: Feasibility of Analysis of A Novel Quantitative Method to Assess Aortic Regurgitation After TAVI: Preliminary Results of the ASSESS REGURGEProtocolled Quantitative ASSESSment of Aortic Regurgitation Using Videodensitometry in a Multicenter Study  
Lecturers: Mohamed Abdel-Wahab

9:01 AM Discussion

9:06 AM TCT 446: Feasibility Study of a Single Synchronized Diastolic injection With Low Contrast Volume for Aortography in a Progressive Aortic Regurgitation
### MODERATED POSTER SESSION: BEST OF MODERATED TAVR POSTER ABSTRACTS II

**SUNDAY, SEPTEMBER 23, 2018**

**8:30 AM - 9:30 AM**
Moderated Posters 1, Exhibit Hall, Ground Level

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Lecturers</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:30 AM</td>
<td>TCT 433: The Impact of Multislice Computed Tomography Based Aortic Valve Annular Dimensions on Hemodynamic Performance of Self Expanding Transcatheter Valves Compared With Individual Surgical Valve Types</td>
<td>G. Michael Deeb</td>
</tr>
<tr>
<td>8:37 AM</td>
<td>TCT 434: Assessing National Estimates of 30 Readmission Rates and Associated Costs With Transcatheter and Surgical Aortic Valve Replacement in the United States</td>
<td>Kimberly Moore</td>
</tr>
<tr>
<td>8:42 AM</td>
<td>TCT 435: The Outcomes of Bicuspid Aortic Valve Patients Undergoing Surgical vs Transcatheter Aortic Valve Replacement</td>
<td>Mohamad Soud</td>
</tr>
<tr>
<td>8:49 AM</td>
<td>TCT 436: Aldehydes Potential Drivers of Valve Leaflet Thrombosis Post Transcatheter Aortic Valve Replacement</td>
<td>Mark Hensey</td>
</tr>
</tbody>
</table>

### MODERATED POSTER SESSION: CATH LAB OF THE FUTURE: TELEMEDICINE AND ROBOTICS

**SUNDAY, SEPTEMBER 23, 2018**

**8:30 AM - 9:30 AM**
Moderated Posters 2, Exhibit Hall, Ground Level

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Lecturers</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:30 AM</td>
<td>TCT 438: Telemedicine Increases the Access to Primary Percutaneous Coronary Intervention Saving Costs and Lives in ST Elevation Myocardial Infarction STEMIThree Year Analysis of the Latin America Telemedicine Network LATinProgram in Sao Paulo East Z</td>
<td>Sameer Mehta</td>
</tr>
<tr>
<td>8:37 AM</td>
<td>TCT 439: Long Term Savings With Telemedicine STEMI Networks</td>
<td>Sameer Mehta</td>
</tr>
<tr>
<td>8:42 AM</td>
<td>TCT 440: Revascularization Outcomes Financial Impact and Mortality Reduction Effects of a Telemedicine Guided Strategy on Population Based AMI Management</td>
<td>Sameer Mehta</td>
</tr>
<tr>
<td>8:49 AM</td>
<td>TCT 441: SOCIME LATin: Partners for Comprehensive Nationwide AMI Care in Mexico</td>
<td>Sameer Mehta</td>
</tr>
</tbody>
</table>
MODERATED POSTER SESSION: HEMODYNAMIC SUPPORT AND HIGH RISK PCI

SUNDAY, SEPTEMBER 23, 2018
8:30 AM - 9:30 AM
Exhibit Hall, Ground Level, Moderated Posters 4

Moderators:
Marvin J. Slepian
Discussants:
Carlo Briguori, Ian C. Gilchrist, Michael A. Kutcher, John S. Sapirstein, Christian M. Spaulding

8:30 AM - 9:30 AM
Hemodynamic Support and High Risk PCI

TCT 448: Impact of Clinical Indication Risk Strata on Outcomes in Patients Supported With Impella Microaxial Heart Pumps
Lecturers: Eisha Wali
8:37 AM Discussion

TCT 449: Trends in Utilization and Hospital Variation in the Use of Mechanical Circulatory Support Devices in Patients Undergoing Percutaneous Coronary Intervention in Michigan: Insights From the Blue Cross Blue Shield of Michigan Cardiovascular Consortium
Lecturers: Thomas Earl
8:49 AM Discussion

TCT 450: Coronary and Myocardial Haemodynamic Effects of Impella LV Unloading in Patients Undergoing High Risk Percutaneous Coronary Intervention
Lecturers: Natalia Briceno
9:01 AM Discussion

TCT 451: Incidence Correlates and Impact of Left Ventricular Ejection Fraction Improvement on Short and Long Term Clinical Outcome of Patients Undergoing High Risk Percutaneous Coronary Intervention a Single Center Experience
Lecturers: Serdar Farhan
9:13 AM Discussion

TCT 452: Hemodynamics and Its Predictors During Impella Protected PCI in High Risk Patients With Reduced Ejection Fraction
Lecturers: Giulio Russo
9:25 AM Discussion

MODERATED POSTER SESSION: INTRACORONARY PHYSIOLOGY STUDIES II

SUNDAY, SEPTEMBER 23, 2018
8:30 AM - 9:30 AM
Exhibit Hall, Ground Level

Moderators:
Keith G. Oldroyd, Nick E. J. West
Discussants: Amir Lerman, Miodrag C. Ostojic, Seung-Jung Park, Expedito E. Ribeiro, Shengxian Tu

8:30 AM - 9:30 AM
Intracoronary Physiology Studies II

TCT 463: Instability of Coronary Flow Velocity and Basal Microvascular Resistance Does Not Affect Reproducibility of IFR Post PCI
Lecturers: Muhammad Aetesam-Ur-Rahman
8:37 AM Discussion

TCT 464: Diagnostic Classification of the Coronary Flow Velocity Reserve and Hyperemic Stenosis Resistance Index Using Contrast Media
Lecturers: Masafumi Nakayama
8:49 AM Discussion

TCT 465: Diagnostic Accuracy of Microcatheter Derived Fractional Flow Reserve Systematic Review With Lesion Level Analysis
Lecturers: Ozan Demir
8:54 AM Discussion

TCT 466: Clinical Utility of a Novel Mathematical Solution for Assessment of Individual Lesion Contribution in Serial Coronary Artery Disease
Lecturers: Bhovik Modi
9:01 AM Discussion

9:06 AM Discussion
MODERATED POSTER SESSION: MANAGEMENT OF IN-STENT RESTENOSIS II

SUNDAY, SEPTEMBER 23, 2018
8:30 AM - 9:30 AM
Moderated Posters 6, Exhibit Hall, Ground Level

8:30 AM - 9:30 AM
Management of In-stent Restenosis II
Moderators: Carl L. Tommaso
Discussants: Daniele Giacoppo, Joo Myung Lee, Ramón Quesada, Yasunori Ueda, Bo Xu

8:30 AM
TCT 458: Additional Diagnostic Value of CT Perfusion Over Coronary CT Angiography in Stented Patients With Suspected In Stent Restenosis or Coronary Artery Disease Progression  ADVANTAGE Study Preliminary Results
Lecturers: Daniele Andreini

8:37 AM
Discussion

8:42 AM
TCT 459: Drug Eluting Balloons vs New Generation Drug Eluting Stents for the Management of In Stent Restenosis  An Updated Meta Analysis of Randomized Studies
Lecturers: Lei Gao

8:49 AM
Discussion

8:54 AM
TCT 460: Prognostic Value of Irregular Protrusion and Subsequent Neoatherosclerosis After Second Generation Drug Eluting Stent Implantation  Optical Coherence Tomography Study
Lecturers: Kounosuke Inoue

9:01 AM
Discussion

9:06 AM
TCT 461: Association Between In Stent Neoatherosclerosis and Restenosis in Patients With Acute Myocardial Infarction at 5 Years Follow Up Assessed By Optical Coherence tomography
Lecturers: Masaru Kuroda

9:13 AM
Discussion

9:18 AM
TCT 462: Drug Eluting Stent Therapy for Recurrent In Stent Restenosis Following Failed Vascular BrachyTherapy
Lecturers: Kyle Buchanan

9:25 AM
Discussion

MODERATED POSTER SESSION: NEWER DES I

SUNDAY, SEPTEMBER 23, 2018
8:30 AM - 9:30 AM
Moderated Posters 8, Exhibit Hall, Ground Level

8:30 AM - 9:30 AM
Newer DES I
Moderators: Andreas Baumbach
Discussants: David E. Kandziora, Björn Redfors, Giulio G. Stefanini

8:30 AM
TCT 468: Sequential Techniques of Provisional Stenting in Coronary Bifurcation With the Xposition S Self Apposing Nitinol Stent  A Comparative Bench Study
Lecturers: Francois Derimay

8:37 AM
Discussion

8:42 AM
TCT 469: One Year Clinical Outcome of Biodegradable Polymer Sirolimus ElutingStent in Patients With Acute Coronary Syndrome Insight From the ULISSE Registry
Lecturers: Elisabetta Moscarella

8:49 AM
Discussion

8:54 AM
TCT 470: Worldwide Everyday Practice Registry Assessing the Xposition S Self Apposing Stent in Challenging Lesions With Vessel Diameter Variance SIZING Registry
Lecturers: Marcus Siry
### MODERATED POSTER SESSION: TAVR RISK STRATIFICATION AND OUTCOMES II

**SUNDAY, SEPTEMBER 23, 2018**

**8:30 AM - 9:30 AM**

**Moderated Posters 5, Exhibit Hall, Ground Level**

**8:30 AM - 9:30 AM**

**TAVR Risk Stratification and Outcomes II**

**Moderators:** Ganesh Manoharan, Tamim Nazif

**Discussants:** Stefan C. Bertog, Bruce Bowers, Jaffar M Khan, Markus Florian Krackhardt, Richard Smalling

- **8:30 AM**  
  TCT 453: Appropriateness of Transcatheter Aortic Valve Replacement Insight From the Ocean TAVI Registry  
  Lecturers: Taku Inohara

- **8:37 AM**  
  **Discussion**

- **8:42 AM**  
  TCT 454: Myocardial Fibrosis Imaging By Speckle Tracking Echocardiography Improves Risk Stratification in Severe Aortic Stenosis After Transcatheter Aortic Valve Replacement  
  Lecturers: Ahmad Manshad

- **8:49 AM**  
  **Discussion**

- **8:54 AM**  
  TCT 455: Transfemoral TAVI in Patients With Unfavorable Conditions for TAVI Following the European Guidelines of Valvular Heart Disease  
  Lecturers: Leire Unzue

- **9:01 AM**  
  **Discussion**

- **9:06 AM**  
  TCT 456: Association of Immediate Improvement in Renal Function After Transcatheter Aortic Valve Replacement and Post Operative Outcomes in Patients With Renal Dysfunction  
  Lecturers: Alexis Okoh

- **9:13 AM**  
  **Discussion**

- **9:18 AM**  
  TCT 457: Short and Long Term Changes in Left Ventricular Mass and Geometry Post TAVR  
  Lecturers: Mohammad Thawabi

- **9:25 AM**  
  **Discussion**

### MODERATED POSTER SESSION: BEST OF MODERATED ENDOVASCULAR INTERVENTION AND STRUCTURAL HEART DISEASE

**SUNDAY, SEPTEMBER 23, 2018**

**9:30 AM - 10:30 AM**

**Moderated Posters 3, Exhibit Hall, Ground Level**

**9:30 AM - 10:18 AM**

**Best of Moderated Endovascular Intervention and Structural Heart Disease**

**Moderators:** Roger J. Laham

**Discussants:** Perwaiz M. Meraj, Saurabh Sanon, Hendrik Treede, Apostolos Tzikas

- **9:30 AM**  
  TCT 483: PARADIGM EXTENDProspective Academic Trial of Cguard MicroNet Covered Self Expandable Stent System in All Comer Symptomatic and Increased Stroke Risk Asymptomatic Carotid Stenosis Cumulative 3 Year Clinical and Duplex Ultrasound Evidence for S  
  Lecturers: Piotr Musialek

- **9:37 AM**  
  **Discussion**

- **9:42 AM**  
  TCT 484: Electrosurgical Laceration of Alfieri Stitch ELASTIC to Facilitate Transcatheter Mitral Valve Replacement First in Human Report  
  Lecturers: Jaffar M Khan

- **9:49 AM**  
  **Discussion**

- **9:54 AM**  
  TCT 486: Patent foramen Ovale Closure vs Medical Therapy for Cryptogenic Stroke An Updated Systematic Review and Meta Analysis
MODERATED POSTER SESSION: CARDIOGENIC SHOCK AND VENTRICULAR ASSIST II

SUNDAY, SEPTEMBER 23, 2018
9:30 AM - 10:30 AM
Moderated Posters 4, Exhibit Hall, Ground Level

9:30 AM - 10:30 AM
Cardiogenic Shock and Ventricular Assist II
Moderators: Massimo Napodano, Tanveer Rab
Discussants: Thomas D. Stuckey, Li-Wah Tam, Nir Uriel, Marco V. Wainstein

9:30 AM
TCT 488: Risk of Mortality Associated With Use of Mechanical Support Devices Among Comatose Cardiac Arrest Patients
Lecturers: Abhishek Dutta
Discussion

9:37 AM
TCT 489: Use of a Percutaneous Left Ventricular Assist Device for Patients With Cardiogenic Shock
Lecturers: Waqas Malick
Discussion

9:49 AM
TCT 490: Right Atrial Pressure Predicts Mortality in Cardiogenic Shock Insights From the Cardiogenic Shock Working Group Registry
Lecturers: Kevin Morine
Discussion

10:01 AM
TCT 491: Post Impella Implant Mortality Determinants and Associated Lactate Levels in Cardiogenic Shock Patients A Single Center Experience
Lecturers: Yong Ji
Discussion

10:13 AM
TCT 492: Multimodality Management of Cardiogenic Shock in the United States Insights From the Cardiogenic Shock Working Group Registry
Lecturers: Kevin Morine
Discussion

MODERATED POSTER SESSION: INTRAVASCULAR IMAGING AND INCOMPLETE STENT APPosition

SUNDAY, SEPTEMBER 23, 2018
9:30 AM - 10:30 AM
Moderated Posters 7, Exhibit Hall, Ground Level

9:30 AM - 10:30 AM
Intravascular Imaging and Incomplete Stent Apposition
Moderators: Robert-Jan van Geuns
Discussants: Martin W. Bergmann, Daniel H. Berrocal, Adriano Caixeta

9:30 AM
TCT 503: Cut off Value of Strut Vessel Distance on Resolution of Acute Incomplete Stent Apposition At One Month Using Serial Optical Coherence tomography After Cobalt Chromium Everolimus Eluting Stent Implantation in Patients With Stable Coronary Artery
Lecturers: Hideto Oda
Discussion

9:37 AM
TCT 504: incidence and Natural Course of Incomplete Stent Apposition in Heavily Calcified Lesions Requiring Rotational AthereCTOmy Prior to Stenting: An Optical Coherence tomography Study
Lecturers: Atsushi Kyoda
Discussion

9:49 AM
TCT 505: Temporal Changes of Stent Apposition Immediately After Stent Deployment Using Optical Coherence tomography
Lecturers: Hyuck Jun Yoon
Discussion

10:01 AM
TCT 506: Cut off Value of Malapposition Volume on Resolution of Acute Incomplete Stent Apposition At One Month Using Serial Optical Coherence tomography After Cobalt Chromium Everolimus Eluting Stent Implantation in Patients With Stable Coronary Artery D
10:13 AM  Discussion

10:18 AM  TCT 507: Increase of Coronary Lumen Area With Improved Stent Apposition After Self Expandable Stenting in Total Occlusions: Results of the SPACIOUS Pilot Study
Lecturers: Selina Vlieger

10:25 AM  Discussion

MODERATED POSTER SESSION: NEWER DES II

SUNDAY, SEPTEMBER 23, 2018
9:30 AM - 10:30 AM
Moderated Posters 8, Exhibit Hall, Ground Level

9:30 AM - 10:30 AM  Newer DES II
Moderators: Roxana Mehran
Discussants: Nicolas Foin, Philippe Garot, Ioannis Jakovou, Petr Kala, Daniel I. Simon

9:30 AM  TCT 508: Tracking Tissue Distribution and Retention of Sirolimus and Analog Delivered From Polymer Free Drug Coated Stents
Lecturers: Abraham Tzafriri

9:37 AM  Discussion

9:42 AM  TCT 509: Eighteen Month Results of High Risk Patients Treated With Ultrathin Strut Biodegradable Polymer Orsiro DES the Bioflow III Satellite Italy Subgroups Analysis
Lecturers: Stefano Galli

9:49 AM  Discussion

9:54 AM  TCT 510: Dutch Multicenter Experience Using the STENTYS Xposition S Self Expanding Stent in Complex Coronary Lesions
Lecturers: Selina Vlieger

10:01 AM  Discussion

10:06 AM  TCT 511: Two Year Clinical Results With the Angiolite Drug Eluting Stent: The ANCHOR Study
Lecturers: Rishi Puri

10:13 AM  Discussion

10:18 AM  TCT 512: A Polymer Free Biolimus Coated Stent for the Management of Real World Patients With Coronary Artery Disease
Lecturers: Alfonso Ielasi

10:25 AM  Discussion

MODERATED POSTER SESSION: OPTIMAL DIAGNOSIS AND TREATMENT OF PATIENTS WITH STEMI OR NSTEMI II

SUNDAY, SEPTEMBER 23, 2018
9:30 AM - 10:30 AM
Moderated Posters 6, Exhibit Hall, Ground Level

9:30 AM - 10:30 AM  Optimal Diagnosis and Treatment of Patients with STEMI or NSTEMI II
Moderators: Christian W. Hamm
Discussants: Tayo A. Addo, M Chadi Alraies, Usman Baber, Otavio Berwanger, Pawel E. Buszman, Jun-Jack Cheng

9:30 AM  TCT 498: Tissue Protrusion After Coronary Stenting is Associated With Poor Clinical Outcomes in Patients With ST Segment Elevation Myocardial Infarction
Lecturers: Yoshiyuki Okuya

9:37 AM  Discussion

9:42 AM  TCT 499: Prognostic Implications of Pre Procedural TIMI Flow in Patients With STEMI Undergoing PCI With Drug Eluting Stent Implantation
Lecturers: Rafal Wolny

9:49 AM  Discussion

9:54 AM  TCT 500: Prognostic Implications of Reduced Pre Procedural TIMI Flow in Patients With NonSt Segment Elevation Acute Coronary Syndromes Undergoing PCI
Lecturers: Rafal Wolny

10:01 AM  Discussion
MODERATED POSTER SESSION: SELECTED EARLY INNOVATIVE TECHNIQUES

SUNDAY, SEPTEMBER 23, 2018
9:30 AM - 10:30 AM
Moderated Posters 2, Exhibit Hall, Ground Level

9:30 AM - 10:30 AM
Selected Early Innovative Techniques
 Moderators: Louis A. Cannon, Peter J. Fitzgerald
 Discussants: Mark C. Bates, Frederick G. St. Goar, Steven J. Yakubov

9:30 AM
TCT 478: In Vivo Performance of A Novel Permanently Implanted Left Atrial Pressure Monitoring System
Lecturers: Leor Perl

9:37 AM
Discussion

9:42 AM
TCT 479: Novel Approach for Left Atrial Appendage Occlusion - A Feasibility Study of Catheter Delivered Expandable Foam
Lecturers: Gilberto Melnick

9:49 AM
Discussion

9:54 AM
TCT 480: Cellular Resolution Intravascular Optical Coherence Tomography for Human Coronary Artery Imaging
Lecturers: Biwei Yin

10:01 AM
Discussion

10:06 AM
TCT 481: Diastolic Function in Patients Undergoing Coronary Sinus Reducer Implantation - A Single Center Experience
Lecturers: Yishay Szekely

10:13 AM
Discussion

10:18 AM
TCT 482: Trabecular Cutting - A Novel Surgical Therapy for Heart Failure With Preserved Ejection Fraction
Lecturers: Meagan Oglesby

10:25 AM
Discussion

MODERATED POSTER SESSION: TAVR AND CONDUCTION AND RHYTHM DISTURBANCES

SUNDAY, SEPTEMBER 23, 2018
9:30 AM - 10:30 AM
Moderated Posters 1, Exhibit Hall, Ground Level

9:30 AM - 10:30 AM
TAVR and Conduction and Rhythm Disturbances
 Moderators: Michael Mooney, Alexandre C. Zago
 Discussants: James Cockburn, Anibal A. Damonte, Nimesh Desai, Chandan Devireddy, Manuel Pan

9:30 AM
TCT 473: Left Bundle Branch Block After TAVI With Edwards Sapien 3 System - Influence of the Valve Depth
Lecturers: Leire Unzue

9:37 AM
Discussion

9:42 AM
TCT 475: Pacemaker Dependency at 2 month Follow up After Permanent Pacemaker Implantation Caused by Transcatheter Aortic Valve Implantation induced Conduction Disturbances
Lecturers: Martin van Mourik

9:49 AM
Discussion

9:54 AM
TCT 476: New Onset Atrial Fibrillation in Patients Undergoing Transfemoral Transcatheter Aortic Valve Replacement - Risk Factors and Outcome
Lecturers: Felix Woitek

10:01 AM
Discussion

10:06 AM
TCT 477: Prevalence and Clinical Impact of Baseline QRS Duration in Patients With Severe Aortic Stenosis Two Years After Aortic Valve Replacement in
MODERATED POSTER SESSION: TAVR TECHNIQUES AND OUTCOMES II

SUNDAY, SEPTEMBER 23, 2018
9:30 AM - 10:30 AM
Moderated Posters 5, Exhibit Hall, Ground Level

9:30 AM - 10:30 AM
TAVR Techniques and Outcomes II
Moderators: Reginald I. Low
Discussants: Joseph Carozza, Antoine Lafont, Simon Cheung-chi Lam, John M. Lasala, Michael J. Mullen

9:30 AM TCT 493: Long Term Patient Satisfaction After TAVR Should Treating Physicians Be Less Worried About Symptoms as Outcome Measure
Lecturers: Jeroen Vendrik

9:37 AM Discussion

9:42 AM TCT 494: Influence of High Device Positioning on Outcomes After Transcatheter Aortic Valve Replacement With Contemporary Self Expanding Valves
Lecturers: Zhen-Gang Zhao

9:49 AM Discussion

9:54 AM TCT 495: Comparison of a Novel Direct 3D With Traditional Planimetric Based Methods for Determination of Optimal Angiographic View for TAVR Procedures
Lecturers: Nils Petri

10:01 AM Discussion

10:06 AM TCT 496: Outcomes After Transcatheter Aortic Valve Replacement With the SAPIEN 3 The VARC 2 Composite Endpoints at One Year
Lecturers: Costanza Pellegrini

10:13 AM Discussion

10:18 AM TCT 184: 30 Day Outcomes Following Transcatheter Aortic Valve Replacement with the Evolut PRO Valve in Commercial Use: Report from the STSACC TVT Registry
Lecturers: John K. Forrest

10:25 AM Discussion

MODERATED POSTER SESSION: CATHETER-BASED TREATMENT OF PERIPHERAL VASCULAR DISEASE III

SUNDAY, SEPTEMBER 23, 2018
10:30 AM - 11:30 AM
Moderated Posters 3, Exhibit Hall, Ground Level

10:30 AM - 11:30 AM
Catheter-based Treatment of Peripheral Vascular Disease III
Moderators: Jeffrey G. Carr, Robert D. Safian
Discussants: Julie Logan, Mahmood K. Razavi, Mehdi H. Shishehbor

10:30 AM TCT 523: RVOTAo Ratio on Computed Tomography Better Predicts RV Dysfunction and Invasive Hemodynamic Abnormalities as Compared to RVLV Ratio in Patients With Pulmonary Embolism
Lecturers: Alexandru Marginean

10:37 AM Discussion

10:42 AM TCT 524: Results of Self Expanding Nitinol Stents Post Dilated With Drug Coated Balloon in Treatment of Femoropoplitical Disease
Lecturers: Adil Wani

10:49 AM Discussion

10:54 AM TCT 525: First Report of the 12 Month Outcomes of SELUTion Trial: A Novel Sirolimus Coated DCB Technology Evaluated in SFA
Lecturers: Klaus Brechtel

11:01 AM Discussion

11:06 AM TCT 526: Long Term Biocompatibility of A Novel Bioresorbable Scaffold for Peripheral Arteries: A Preliminary Study in Yucatan Miniswine
Lecturers: Marco Ferrone
MODERATED POSTER SESSION: CTO FOLLOW-UP WITH MEDICAL THERAPY

SUNDAY, SEPTEMBER 23, 2018
10:30 AM - 11:30 AM
Moderated Posters 4, Exhibit Hall, Ground Level

10:30 AM - 11:18 AM

CTO follow-up with Medical Therapy
Moderators: Jennifer A. Tremmel
Discussants: Stefan Harb, Ravi S. Hira, Waleed Y Kadro, Jaikirshan Khatri, Iosif Xenogiannis, Masatoki Yoshida

10:30 AM TCT 528: Impact of Revascularization vs Medical Therapy Alone for Chronic Total Occlusion Management in Elderly Patients
Lecturers: Eduardo Flores

10:37 AM Discussion

10:42 AM TCT 168: Development of a Human Like Coronary Chronic Total Occlusion Model Using Human Atherosclerotic Tissue
Lecturers: Gilberto Melnick

10:49 AM Discussion

10:54 AM TCT 530: Long Term Clinical Outcomes in Patients With Coronary Chronic Total Occlusion Undergoing Optimal Medical Therapy
Lecturers: Euihong Ko

11:01 AM Discussion

11:06 AM TCT 531: Percutaneous Coronary Intervention vs Optimal Medical Treatment for Chronic Total Occlusion: A Meta Analysis
Lecturers: Muhammad Khalid

11:13 AM Discussion

MODERATED POSTER SESSION: INTRACORONARY PHYSIOLOGY STUDIES III

SUNDAY, SEPTEMBER 23, 2018
10:30 AM - 11:30 AM
Moderated Posters 7, Exhibit Hall, Ground Level

10:30 AM - 11:30 AM

Intracoronary Physiology Studies III
Moderators: Allen Jeremias, Tim P. van de Hoef
Discussants: Rasha Al-Lamee, Roberto Diletti, Vincent J. Pompili, Afzalur Rahman, Gerald S. Werner, Alan C. Yeung

10:30 AM TCT 542: Comparison of Sodium Nitroprusside and Adenosine for Fractional Flow Reserve Assessment: A Systematic Review and Meta Analysis
Lecturers: Raul Solerno

10:37 AM Discussion

10:42 AM TCT 543: Residual Ischemia is Frequent in the Vessel Undergoing Percutaneous Coronary Intervention: Results of A Prospective Registry
Lecturers: Barry Uretsky

10:49 AM Discussion

10:54 AM TCT 544: A Novel Physiological Assessment of Myocardial Mass Volume
Lecturers: Tadashi Murai

11:01 AM Discussion

11:06 AM TCT 545: Defining Coronary Responders of intra Aortic Balloon Pump Counterpulsion
Lecturers: Natalie Briceno

11:13 AM Discussion

11:18 AM TCT 546: Microvascular Dysfunction After Immediate vs Deferred Stenting in Patients With Acute Myocardial Infarction
Lecturers: Hyunjong Lee

11:25 AM Discussion

MODERATED POSTER SESSION: MISCELLANEOUS TAVR COMPLICATIONS II
10:30 AM - 11:30 AM

**Miscellaneous TAVR Complications II**

**Moderators:** Mauricio G. Cohen

**Discussants:** Robert J. Applegate, Larry S. Dean, David W.M. Muller, Ramon Quesada, Pieter R. Stella

10:30 AM  
TCT 532: Reduced Left Ventricular Ejection Fraction After Transcatheter Aortic Valve Replacement  
Lecturers: Paige Craig

10:37 AM  
Discussion

10:42 AM  
TCT 533: Predictors of High Hospital Cost After Transcatheter Aortic Valve Replacement in the United States: Analysis of Nationwide inpatient Sample Database  
Lecturers: Tomo Ando

10:49 AM  
Discussion

10:54 AM  
TCT 534: Clinical Impacts of Periprocedural Myocardial Injury After Transcatheter Aortic Valve Replacement  
Lecturers: Hanbit Park

11:01 AM  
Discussion

11:06 AM  
TCT 535: Left Ventricular Diastolic Function and Cardiovascular Mortality After Transcatheter Aortic Valve Replacement  
Lecturers: Sang Yong Om

11:13 AM  
Discussion

11:18 AM  
TCT 536: Impact of Aortic Valve Gradient and Left Ventricular Ejection Fraction Upon Outcomes Following Transcatheter Aortic Valve Implantation  
Lecturers: John Schindler

11:25 AM  
Discussion

---

**MODERATED POSTER SESSION: NEWER DES III**

**SUNDAY, SEPTEMBER 23, 2018**

10:30 AM - 11:30 AM

**Newer DES III**

**Moderators:** Kenneth Chin, Stephan Windecker

**Discussants:** Hyeon-Cheol Gwon, Sigmund Silber, João A Silveira, S. Chiu Wong, Masahisa Yamane

10:30 AM  
TCT 547: initial Experience With Ultrathin Strut Biodegradable Polymer Coated Everolimus Eluting Coronary Stent in Coronary Artery Disease Patients  
Lecturers: K. Sivaprasad

10:37 AM  
Discussion

10:42 AM  
TCT 548: Predictors of Clinical Outcomes After Polymer Free Amphilimus and Biolimus Eluting Stents: The FREE FUTURE Study  
Lecturers: Mauro Chiarito

10:49 AM  
Discussion

10:54 AM  
TCT 549: Long Term Clinical Outcomes After Implantation of Novel Abluminal Coated Sirolimus Eluting Stent in Real World Unselected Population: Update From en ABLE E Registry  
Lecturers: Luca Testa

11:01 AM  
Discussion

11:06 AM  
TCT 550: Safety and Efficacy of Ultra Thin Biodegradable Polymer Coated Everolimus Eluting Stent in Real World Patients With Coronary Artery Disease One Year Outcomes of Indian Multi Centric Study  
Lecturers: Manjinder Sandhu

11:13 AM  
Discussion

11:18 AM  
TCT 551: Extremely Early Optical CoHerence tOmogRaphy Comparative Study Among Drug Eluting Stents With Persistent aBsorbable Or Without PolymER HORSEPOWER Study  
Lecturers: Beatriz Vaquerizo

11:25 AM  
Discussion
MODERATED POSTER SESSION: PCI IN HIGH BLEEDING RISK (HBR) PATIENTS II

SUNDAY, SEPTEMBER 23, 2018
10:30 AM - 11:30 AM
Moderated Posters 6, Exhibit Hall, Ground Level

10:30 AM - 11:30 AM
PCI in High Bleeding Risk (HBR) Patients II
Moderators: Michel R. Le May
Discussants: Teresa L. Carman, Kurt Huber, Piotr Jankowski, Michelle O'Donoghue, Giulio G. Stefanini, Clemens von Birgelen

10:30 AM
TCT 537: Impact of Concomitant Anticoagulant Drug on Long Term Thrombotic and Bleeding Event and After Everolimus Eluting Stent Implantation
Lecturers: Katsuya Miura

10:37 AM
Discussion

10:42 AM
TCT 538: Bleeding Outcomes in Patients Undergoing Combined TAVR PCI: Time for An Adjustment to the CathPCI Bleeding Model
Lecturers: Aakriti Gupta

10:49 AM
Discussion

10:54 AM
TCT 539: Clinical Outcomes in High Bleeding Risk Patients Undergoing Complex PCI With the Xience Everolimus Eluting Stent: A Patient Level Pooled Analysis From Four Xience Post Approval Trials
Lecturers: Birgit Vogel

11:01 AM
Discussion

11:06 AM
TCT 540: Incidence Predictors and Impact of Post Discharge Gastrointestinal Bleeding After Coronary Drug Eluting Stents Implantation: The ADAPT DES Study
Lecturers: Gennaro Giustino

11:13 AM
Discussion

11:18 AM
TCT 541: Long Term Outcomes With Saphenous Vein Graft vs Native Coronary Artery Intervention in Patients With Coronary Artery Bypass Grafting: Evidence From Meta Analysis and Meta Regression
Lecturers: Marwan Saad

MODERATED POSTER SESSION: PCI IN PATIENTS WITH PREVIOUS CABG

SUNDAY, SEPTEMBER 23, 2018
10:30 AM - 11:30 AM
Moderated Posters 2, Exhibit Hall, Ground Level

10:30 AM - 11:30 AM
PCI in Patients With Previous CABG
Moderators: J. Dawn Abbott
Discussants: John S. Douglas Jr, Tak W. Kwan, Faisal Latif, Mitul Patel, Partha Sardar

10:30 AM
TCT 518: Drug Eluting Stents vs Bare Metal Stents in Saphenous Vein Graft Interventions: Meta Analysis of Randomized Controlled Trials
Lecturers: Jai Parekh

10:37 AM
Discussion

10:42 AM
TCT 519: A Comprehensive Meta Analysis of Randomized Controlled Trials Comparing Drug Eluting Stents With Bare Metal Stents in Saphenous Vein Graft Interventions
Lecturers: Kirstin Hesterberg

10:49 AM
Discussion

10:54 AM
TCT 520: Long Term Outcomes of Saphenous Vein Graft Percutaneous Coronary Intervention
Lecturers: Novalia Sidik

11:01 AM
Discussion

11:06 AM
TCT 521: Long Term Cardiovascular Outcomes With Drug Eluting Stents vs Bare Metal Stents in Saphenous Vein Graft Interventions: Insights From An Updated Meta Analysis of Randomized Controlled Trials
Lecturers: Amartya Kundu

11:13 AM
Discussion

11:18 AM
TCT 522: Long Term Outcomes With Saphenous Vein Graft vs Native Coronary Artery Intervention in Patients With Coronary Artery Bypass Grafting: Evidence From Meta Analysis and Meta Regression
Lecturers: Marwan Saad
MODERATED POSTER SESSION: TAVR VS TAVR AND TAVR VS SAVR I

SUNDAY, SEPTEMBER 23, 2018
10:30 AM - 11:30 AM
Moderated Posters 1, Exhibit Hall, Ground Level

10:30 AM - 11:30 AM
TAVR vs TAVR and TAVR vs SAVR I
Moderators: Wilson Y. Szeto
Discussants: Anita Asgar, Nirat Beohar, William F. Fearon, Amit N. Patel, Pinak B. Shah

10:30 AM TCT 513: Transcatheter vs Surgical Aortic Valve Replacement in Low Risk Surgical Patients: A Meta Analysis of Randomized Clinical Trials
Lecturers: Babikir Kheiri

10:37 AM Discussion

10:42 AM TCT 514: Balloon Expandable Sapien 3 29mm vs Self Expandable Evolut R 34mm in TAVR Patients With A Large Annulus: Is there A Difference in Performance and Risk of Cerebral Embolization
Lecturers: Christina Brinkmann

10:49 AM Discussion

10:54 AM TCT 515: SAVR Vs TAVR in Patients With Previous Myocardial Infarction: A Nationwide Propensity Matched Analysis
Lecturers: Bhruagesh Shah

11:01 AM Discussion

11:06 AM TCT 516: the Outcome of Transcatheter Aortic Valve Replacement Compared to Surgical Aortic Valve Replacement in Patients With Heart Failure With Reduced Ejection Fraction
Lecturers: Yasser Al-Khadra

11:13 AM Discussion

11:18 AM TCT 517: Outcome of Transcatheter Aortic Valve Replacement vs Surgical Aortic Valve Replacement in Patients With Peripheral Arterial Disease
Lecturers: Amr Idris

11:25 AM Discussion

MODERATED POSTER SESSION: ASD AND PFO CLOSURE II

SUNDAY, SEPTEMBER 23, 2018
11:30 AM - 12:30 PM
Moderated Posters 1, Exhibit Hall, Ground Level

11:30 AM - 12:18 PM
ASD and PFO Closure II
Moderators: Peter C. Block
Discussants: Parag Barwad, Ozgen Dogan, Marek Grygier, Michael J. Mullen, Srihari S. Naidu, Carmelo Panetta

11:30 AM TCT 552: Impact of Occluder Device on Longterm Outcome After Percutaneous Closure of Patent foramen Ovale in Patient With Cryptogenic Cerebral Ischemic Events
Lecturers: Julia Seeger

11:37 AM Discussion

11:42 AM TCT 553: Patent foramen Ovale Closure and Cryptogenic Stroke Time to Update Guidelines
Lecturers: Mahesh Anantha Narayanan

11:49 AM Discussion

11:54 AM TCT 554: Comparison of Transcatheter and Surgical Repair of Atrial Septal Defect: Analysis From Nationwide inpatient Sample
Lecturers: Yashwunt Agrawal

12:01 PM Discussion

12:06 PM TCT 555: Feasibility and SafetyEfficacy Profile of the Percutaneous Patent foramen Closure: Noblestitch El vs Other Devices
Lecturers: Federico De Marco

12:13 PM Discussion
MODERATED POSTER SESSION: CATH LAB OF THE FUTURE: STRATEGIES TO CONTROL RADIATION EXPOSURE II

SUNDAY, SEPTEMBER 23, 2018
11:30 AM - 12:30 PM
Moderated Posters 2, Exhibit Hall, Ground Level

11:30 AM - 12:30 PM
Cath Lab of the Future: Strategies to Control Radiation Exposure II
Moderators: Andrew J. Einstein, Ryan D. Madder
Discussants: Steven L. Almany, Matthew T. Finn, Lloyd W. Klein, Bo Xu

11:30 AM
TCT 556: Comparison of Radiation Exposure in PCI Between Radial and Femoral Approach Using Nanodot Dosimeters on Patients and Direct Readout Pocket Mini Dosimeter on Operators
Lecturers: Arul Shanmugam

11:37 AM
Discussion

11:42 AM
TCT 557: Impact of a Suspended Lead Suit on Physician Radiation Doses Across Patient BMI Categories During Coronary Angiography
Lecturers: Ladhani Refahiyat

11:49 AM
Discussion

11:54 AM
TCT 558: Efficacy of Disposable Lead Free Radiation Protection Drape Radpad During Diagnostic and Interventional Procedures
Lecturers: Hung Ngo

12:01 PM
Discussion

12:06 PM
TCT 559: Prevalence of Eye Lesions in Interventional Cardiology Staff in Mexico: Estudio iCataratas
Lecturers: Jose Azpir Lopez

12:13 PM
Discussion

MODERATED POSTER SESSION: COMPUTATIONAL FLUID DYNAMICS (CT-FFR, QFR, INTRAVASCULAR IMAGING-FFR, AND OTHERS) III

SUNDAY, SEPTEMBER 23, 2018
11:30 AM - 12:30 PM
Moderated Posters 7, Exhibit Hall, Ground Level

11:30 AM - 12:30 PM
Computational Fluid Dynamics (CT-FFR, QFR, Intravascular Imaging-FFR, and others) III
Moderators: Stephan Achenbach, Nils Johnson
Discussants: Takashi Kubo, James E. Udelson, Neal G. Uren

11:30 AM
TCT 578: Assessment of Lesion Specific Ischemia Using Fractional Flow Reserve FFR Profiles Derived From Coronary Computed tomography Angiography FFRCT and invasive Measurements FFRINV: Importance of the Site of Measurement and Implications for Patients
Lecturers: Elvis Cami

11:37 AM
Discussion

11:42 AM
Lecturers: Herman Mejia-Renteria

11:49 AM
Discussion

11:54 AM
TCT 580: Relationship Between Adverse Plaque Characteristics and Wall Shear Stress Assessed By Computational Fluid Dynamics
Lecturers: You Jeong Ki

12:01 PM
Discussion

12:06 PM
TCT 581: Diagnostic Value of Longitudinal Flow Gradient for the Presence of Hemodynamically Significant Coronary Artery Disease
Lecturers: Michiel Bom

12:13 PM
Discussion

12:18 PM
TCT 582: Network Meta Analysis of Diagnostic Test Accuracy Studies on Non invasive Imaging for Coronary Artery Disease: Evidence on 13 Isolated Or Hybrid Tests 661 Studies and 97173 Patients
Lecturers: Giuseppe Biondi-Zoccai

12:25 PM
Discussion

MODERATED POSTER SESSION: MANAGEMENT OF IN-STENT RESTENOSIS III
11:30 AM - 12:18 PM
Management of In-Stent Restenosis III
Moderators: James B. Hermiller Jr
Discussants: Tayo A. Addo, Mohamed Ali Elsalamony, Runlin Gao, Daniele Giacoppo, Richard Shlofmitz, Jasvindar Singh

11:30 AM
TCT 574: Circulating Angiostatin Predicting the Risk of Repeat Target Lesion Revascularization in CAD Patients Suffered in Stent Restenosis After Coronary Intervention
Lecturers: Zhangwei Chen

11:37 AM Discussion

11:42 AM
TCT 575: Long Term Outcomes After Percutaneous Treatment of Second Generation Drug Eluting Stent Restenosis According to the Restenosis Pattern and Management
Lecturers: Marcelo Abud

11:49 AM Discussion

11:54 AM
TCT 576: Long Term Outcome of Patients With Recurrent Drug Eluting Stent Restenosis
Lecturers: Goutham Ravipati

12:01 PM Discussion

12:06 PM
TCT 577: Impact of Angiographic Patterns of in Stent Restenosis on 5 Years Clinical Outcomes in Patients Treated With Cobalt Chromium Everolimus Eluting Stent
Lecturers: Takashi Hiromasa

12:13 PM Discussion

MODERATED POSTER SESSION: NEWER DES IV

SUNDAY, SEPTEMBER 23, 2018
11:30 AM - 12:30 PM
Moderated Posters 8, Exhibit Hall, Ground Level

11:30 AM - 12:30 PM
Newer DES IV
Moderators: Sundeep Mishra, Manel Sabate
Discussants: Alexandre Abizaid, Salvatore Brugaletta, Joseph Coroza, Salvatore Cassese, Grzegorz L. Kaluza

11:30 AM
TCT 583: Final 5 Year Results in Unselected Patients Implanted With a Thin Strut Platinum Chromium Everolimus Eluting Stent: The PROMUS Element Plus US Post Approval Study
Lecturers: David E. Kandzari

11:37 AM Discussion

11:42 AM
TCT 584: Long Term Impact of Improving Drug Eluting Stent Technology in Patients Undergoing Multilesion Intervention: A Patient Level Analysis of 19 Randomized Trials
Lecturers: Paul Guedeney

11:49 AM Discussion

11:54 AM
TCT 586: Long Term Performance of the Dual Therapy COMBO Stent: Results From the REMDEEE Registry
Lecturers: Laura Kerkmeijer

12:01 PM Discussion

12:06 PM
TCT 585: First in Man Study of the New Dedicated Bifurcation BiOSS LIM C: 9 Month interim Results With OCT Analysis
Lecturers: Robert J. Gil

12:13 PM Discussion

MODERATED POSTER SESSION: NON-ELECTIVE TAVR OR BALLOON VALVULOPLASTY

SUNDAY, SEPTEMBER 23, 2018
11:30 AM - 12:30 PM
Moderated Posters 5, Exhibit Hall, Ground Level
Non-elective TAVR or Balloon Valvuloplasty

Moderators: Igor F. Palacios, Christian Spies
Discussants: Simon Redwood, Francesco Saia, Molly Szerlip, Alan Zajarias

11:30 AM - 12:18 PM

TCT 570: in Hospital Outcomes of Transcatheter Aortic Valve Replacement After Non Elective Admission in Comparison With Elective Admission
Lecturers: Tomo Ando

11:37 AM Discussion

TCT 571: Outcomes of Percutaneous Balloon Aortic Valvuloplasty for Severe Aortic Stenosis in Patients Presenting With Cardiogenic Shock
Lecturers: Ozan Demir

11:49 AM Discussion

TCT 572: Mechanical Circulatory Support Utilization in Transcatheter Aortic Valve Replacement in the United States
Lecturers: Ahmad Alkhalil

12:01 PM Discussion

TCT 573: inter Hospital Transfer of TAVR Patients Is Associated With Index Complications But Not Readmission Outcomes
Lecturers: Hanning Xing

12:13 PM Discussion

MODERATED POSTER SESSION: PHARMACOLOGY: TRADITIONAL VS NEWER ANTIPLATELET AGENTS I

SUNDAY, SEPTEMBER 23, 2018
11:30 AM - 12:30 PM
Moderated Posters 4, Exhibit Hall, Ground Level

11:30 AM - 12:30 PM
Pharmacology: Traditional vs Newer Antiplatelet Agents I
Moderators: Dimitrios Alexopoulos
Discussants: Dominick J. Angiolillo, Frederick Feit, Efrain Gaxiola, Sanjay Kaul

11:30 AM TCT 565: A Comparison of Clopidogrel vs Newer P2Y12 Antagonists for Percutaneous Coronary Intervention in Patients With Out of Hospital Cardiac Arrest Managed With therapeutic Hypothermia: A Meta Analysis
Lecturers: Ayman Elbadawi

11:37 AM Discussion

11:42 AM TCT 566: Clinical Use of Cangrelor: Real World Data From the Swedish Coronary Angiography and Angioplasty Registry SCAAR
Lecturers: Per Grimfjard

11:49 AM Discussion

11:54 AM TCT 567: Cangrelor in Cardiogenic Shock: A Global Multicenter Matched Analysis With Oral P2Y12 Inhibition From the IABP SHOCK II Trial
Lecturers: Michal Droppa

12:01 PM Discussion

12:06 PM TCT 568: Real World Evaluation of AntiplateletSwitching Strategy forCoronary Interventions
Lecturers: Nikolaos Kakouros

12:13 PM Discussion

12:18 PM TCT 569: Lower Mortality After Clinically Significant Bleeding in Patients Treated With Reversible P2Y12 Agent Ticagrelor: A Comparative All Comers Prospective 2 Year Follow Up Study in Patients Treated With invasive Strategy After Acute Coronary Synd
Lecturers: Girish Viswanathan

12:25 PM Discussion

MODERATED POSTER SESSION: RENAL DENERVATION

SUNDAY, SEPTEMBER 23, 2018
11:30 AM - 12:30 PM
Moderated Posters 3, Exhibit Hall, Ground Level

11:30 AM - 12:30 PM
Renal Denervation
Moderators: Herbert D. Aronow, Krishna J. Rocha-Singh
11:30 AM  TCT 560: Sympathetic Renal Denervation After Acute Myocardial Infarction Results in Increased Myocardial Salvage in Pigs  
Lecturers: Luigi Emilio Pastormerlo

11:37 AM  Discussion

11:42 AM  TCT 561: Splenic Artery Denervation: Rationale Feasibility and Early Pre Clinical Experience in A Porcine Model of Inflammatory Arthritis  
Lecturers: Mazen Albaghdadi

11:49 AM  Discussion

11:54 AM  TCT 562: Chemical Renal Denervation With Alcohol the Post Market Study Data and the Target BP Program  
Lecturers: Felix Mahfoud

12:01 PM  Discussion

12:06 PM  TCT 563: Superior and Proximal Nerves in Porcine Renal Arteries Are Least Accessible to Radiofrequency Ablation Due to Shielding By Peri Arterial Blood Vessels and Lymph Nodes  
Lecturers: Abraham Tzafriri

12:13 PM  Discussion

12:18 PM  TCT 564: the Effect of Renal Sympathetic Denervation on Endogenous Catecholamines and Renin Angiotensin AldosterOne System  
Lecturers: Lida Feyz

12:25 PM  Discussion

MODERATED POSTER SESSION: ACUTE KIDNEY INJURY DURING PERCUTANEOUS INTERVENTIONS (PCI OR TAVR) II

SUNDAY, SEPTEMBER 23, 2018
12:45 PM - 1:45 PM
Moderated Posters 2, Exhibit Hall, Ground Level

12:45 PM - 1:45 PM  
Acute Kidney Injury During Percutaneous Interventions (PCI or TAVR) II  
Moderators: Harold L. Dauerman, Charles J. Davidson
Discussants: Shmuel Banai, Daniele Giacoppo, Lloyd W. Klein, Kyung Woo (KW) Park, Asif Qasim

12:45 PM  TCT 592: Remote Ischemic Conditioning in Acute ST Elevation Myocardial Infarction Does Not Protect Against Acute Kidney Injury  
Lecturers: Iliana Hurtado Rendon

12:52 PM  Discussion

12:57 PM  TCT 593: Predicting Acute Kidney Injury in Patients Undergoing Transcatheter Aortic Valve Replacement: Testing the Mehran Contrast Induced Nephropathy Score  
Lecturers: Malik Murtaza

1:04 PM  Discussion

1:09 PM  TCT 594: Rotational AthereCTOmy and the Risk for Contrast Induced Nephropathy  
Lecturers: Ozan Demir

1:16 PM  Discussion

1:21 PM  TCT 595: Ultra Low Contrast Percutaneous Coronary Intervention to Minimize the Risk for Contrast Induced Acute Kidney Injury in Patients With Severe Chronic Kidney Disease  
Lecturers: Lorenzo Azzalini

1:28 PM  Discussion

1:33 PM  TCT 596: Worsened Renal Function After Transcatheter Aortic Valve Replacement Increases Long Term Mortality  
Lecturers: Ricardo Cigarroa

1:40 PM  Discussion

MODERATED POSTER SESSION: COMORBIDITIES IN CAD II

SUNDAY, SEPTEMBER 23, 2018
12:45 PM - 1:45 PM
Moderated Posters 6, Exhibit Hall, Ground Level

12:45 PM - 1:45 PM
Comorbidities in CAD II
Moderators: John A. Ambrose, Sorin J. Brener
Discussants: Joo Myung Lee, Giampaolo Niccoli, Jan J. Piek, Expedito E. Ribeiro, Peter Wenaweser

12:45 PM TCT 612: Physician Prediction of Mortality Outcomes in the Cardiac Cath Lab: Comparisons to A Validated Risk Score
Lecturers: Kiran Sarathy

12:52 PM Discussion

12:57 PM TCT 613: Is Younger Truly Better Clinical Characteristics and in Hospital Outcomes of Percutaneous Coronary Intervention Performed in Patients 45 Years Old Or Younger
Lecturers: Marta Bande

1:04 PM Discussion

1:09 PM TCT 614: the Obesity Paradox Revisited: Body Mass Index and Long Term Outcomes After PCI From A Large Pooled Patient Level Database
Lecturers: Rafal Wolny

1:16 PM Discussion

1:21 PM TCT 615: Percutaneous Coronary Intervention for Patients With Ischemic Cardiomyopathy Is Associated With Low Mortality and Improves Ejection Fraction: A Meta Analysis of 3844 Patients
Lecturers: Ameera Ahmed

1:28 PM Discussion

1:33 PM TCT 616: Impact of General Cardiology Follow Up on Optimal Cardiovascular Risk Factor Management Post Revascularization: Outcomes in A Nationalized Healthcare System
Lecturers: Richard Jung

1:40 PM Discussion

MODERATED POSTER SESSION: COMPUTATIONAL FLUID DYNAMICS (CT-FFR, QFR, INTRAVASCULAR IMAGING-FFR, AND OTHERS) IV
SUNDAY, SEPTEMBER 23, 2018
12:45 PM - 1:45 PM
Moderated Posters 7, Exhibit Hall, Ground Level

12:45 PM Computational Fluid Dynamics (CT-FFR, QFR, Intravascular Imaging-FFR, and others) IV
Moderators: Evelyn S. Regar
Discussants: Marc D. Feldman, Jonathan M. Hill, John McB. Hodgson, Young-Hak Kim, Yasunori Ueda

12:45 PM TCT 617: Diagnostic Accuracy of 3 Dimensional and 2 Dimensional Quantitative Coronary Angiography for Predicting Physiological Significance of Coronary Stenosis
Lecturers: Junqing Yang

12:52 PM Discussion

12:57 PM TCT 618: Angiogram Based Fractional Flow Reserve in Patients With Multi Vessel Disease
Lecturers: Hiroyuki Omori

1:04 PM Discussion

1:09 PM TCT 619: Comparison of One Dimensional 1D and Three Dimensional 3D Models for the Estimation of Coronary Fractional Flow Reserve Through Cardiovascular Imaging
Lecturers: Cristiano Guedes Bezerra

1:16 PM Discussion

1:21 PM TCT 620: Influence of Diabetes Mellitus and Chronic Kidney Disease on Diagnostic Accuracy of Quantitative Flow Ratio QFR
Lecturers: Jakub Maksym

1:28 PM Discussion

1:33 PM TCT 621: Comparison of Quantitative Flow Ratio and instantaneous Wave Free Ratio for Immediate Assessment of Non Culprit Lesions in Patients With ST Segment Elevation Myocardial Infarction an ISTEMI Substudy
Lecturers: Martin Sejr Hansen

1:40 PM Discussion

MODERATED POSTER SESSION: DES VS DES II
SUNDAY, SEPTEMBER 23, 2018
12:45 PM - 1:45 PM

**DES vs DES II**

**Moderators:** Giuseppe Biondi-Zoccai, Evald H. Christiansen  
**Discussants:** Mamas Mamas, Edward J. McNulty, Ashok Seth, Philip M. Urban

12:45 PM  
**TCT 622:** Comparative Safety and Effectiveness of Polymer Free Biolimus Eluting Stents vs Permanent Polymer Everolimus Eluting Stents in Routine Clinical Practice  
**Lecturers:** Giuseppe Biondi-Zoccai

12:52 PM  
**Discussion**

12:57 PM  
**TCT 623:** 12 Months Outcomes of A Non Inferiority Randomized Clinical Trial Comparing the Efficacy and Safety of Angiolite Vs Xience in Patients With PCI Indication  
**Lecturers:** Armando Perez de Prado

1:04 PM  
**Discussion**

1:09 PM  
**TCT 624:** A Prospective Multicenter Randomized Post Market Trial Evaluating A Novel Cobalt Chrome Rapamycin Drug Eluting Stent: Subgroup Analysis of the TARGET All Comers Trial  
**Lecturers:** Alexandra J. Lansky

1:16 PM  
**Discussion**

1:21 PM  
**TCT 625:** Five Year Clinical Outcomes of NOBORI Biolimus Eluting Stent vs XIENCE Everolimus Eluting Stent in Diabetic Patients  
**Lecturers:** Yuichi Tanaka

1:28 PM  
**Discussion**

1:33 PM  
**TCT 626:** Comparative Effectiveness of Different Types of Contemporary Drug Eluting Stents in Patients With De Novo Long Coronary Artery Lesions  
**Lecturers:** Da-Yoon Kang

1:40 PM  
**Discussion**

---

**MODERATED POSTER SESSION: INTERVENTION THERAPIES IN PATIENTS WITH DIABETES MELLITUS I**

**SUNDAY, SEPTEMBER 23, 2018**  
12:45 PM - 1:45 PM  
**Moderated Posters 3, Exhibit Hall, Ground Level**

12:45 PM  
**Intervention Therapies in Patients with Diabetes Mellitus I**

**Moderators:** Frederick Feit, Norman E. Lepor  
**Discussants:** Angeles Alonso Garcia, Michael P. Flaherty, Efrain Gaxiola, Cindy L. Grines, Miodrag C. Ostojic

12:45 PM  
**TCT 597:** GLP 1 Does Not Protect Against Right Ventricular Stunning or Cumulative Ischemic Dysfunction Following Right Coronary Artery Balloon Occlusion in Humans  
**Lecturers:** Joel Giblett

12:52 PM  
**Discussion**

12:57 PM  
**TCT 598:** Prediabetes and Its Impact on Clinical Outcome After Coronary Intervention in Chinese Patients  
**Lecturers:** Huan-Huan Wang

1:04 PM  
**Discussion**

1:09 PM  
**TCT 599:** The Glucagon Like Peptide 1 Loading During PCI GOLD PCI Trial: 12 Month Clinical Outcomes  
**Lecturers:** Joel Giblett

1:16 PM  
**Discussion**

1:21 PM  
**TCT 600:** The Impact of Diabetes Mellitus on the Long Term Risk for Heart Failure in Patients Who Underwent Coronary Revascularization  
**Lecturers:** Yasuaki Takeji

1:28 PM  
**Discussion**

1:33 PM  
**TCT 601:** Results of Percutaneous Coronary Intervention With Second Generation Paclitaxel Coated Balloons in Diabetic Patients At A Long Term Follow Up  
**Lecturers:** Ignacio Sanchez-Perez

1:40 PM  
**Discussion**
MODERATED POSTER SESSION: RACIAL AND GENDER DISPARITIES IN CORONARY ARTERY DISEASE AND INTERVENTION I

SUNDAY, SEPTEMBER 23, 2018
12:45 PM - 1:45 PM
Moderated Posters 4, Exhibit Hall, Ground Level

12:45 PM - 1:45 PM
Racial and Gender Disparities in Coronary Artery Disease and Intervention I
Moderators: Patricia J. Best, Anthony N. DeMaria
Discussants: Tayo A. Addo, Yaling Han, Lisette Okkels Jensen, Waleed Y Kadro, Margaret B. McEntegart, A.J. Conrad C. Smith

12:45 PM TCT 602: Gender Based Differences in Outcomes of Percutaneous Coronary Intervention vs Coronary Artery Bypass Grafting for Multivessel Disease A Meta Analysis of Randomized Controlled Trials
Lecturers: Khagendra Dahal

12:52 PM Discussion

12:57 PM TCT 603: Direct Stenting Strategy Is Associated With Improved Survival in Women Undergoing Primary Percutaneous Coronary Intervention for ST Elevation Myocardial Infarction: A Propensity Score Matched Comparative Study
Lecturers: Ivan Bessonov

1:04 PM Discussion

1:09 PM TCT 604: Outcome of High Risk Percutaneous Coronary Intervention: Gender Based Analysis
Lecturers: M Chadi Alraies

1:16 PM Discussion

1:21 PM TCT 605: Sex Based Differences in in Hospital Outcomes of Patients With Cardiogenic Shock Treated With Percutaneous Mechanical Circulatory Support in the United States
Lecturers: Pedro Villablanca

1:28 PM Discussion

1:33 PM TCT 606: Gender Differences in Fractional Flow Reserve After Percutaneous Coronary Intervention
Lecturers: Laurens Zandvoort

1:40 PM Discussion

MODERATED POSTER SESSION: TAVR, STROKE, AND EMBOLIC PROTECTION II

SUNDAY, SEPTEMBER 23, 2018
12:45 PM - 1:45 PM
Moderated Posters 1, Exhibit Hall, Ground Level

12:45 PM - 1:45 PM
TAVR, Stroke, and Embolic Protection II
Moderators: Luigi Salemme, E. Murat Tuzcu
Discussants: Stephan Baldus, Joseph E. Bavaria, Daniel H. Berrocal, Cameron Dowling, Randolph P. Martin

12:45 PM TCT 587: the Size of the Implanted Valve During Transcatheter Aortic Valve Implantation Predicts the Increase in Cerebral Blood Flow Velocity Size Does Matter
Lecturers: Wienke Vlostra

12:52 PM Discussion

12:57 PM TCT 588: Have Patients With A History of Cerebral Events A Higher Risk of Periprocedural Stroke During Protected Transfemoral Aortic Valve Implantation With Use of A Double Filter Cerebral Embolic Protection Device Results of A Large All Comers Population
Lecturers: Julia Seeger

1:04 PM Discussion

1:09 PM TCT 589: Clinical Outcomes of the Sentinel Cerebral Protection System in Patients Undergoing Transcatheter Aortic Valve Replacement: A Meta Analysis
Lecturers: Zaheer Fanari

1:16 PM Discussion

1:21 PM TCT 590: Pilot Evaluation of Cognitive Function After Surgical and Transcatheter Aortic Valve Replacement
Lecturers: Santiago Garcia

1:28 PM Discussion

1:33 PM TCT 591: Hypoalbuminemia Increases Periprocedural Stroke in Transcatheter Aortic Valve Replacement: A Retrospective Single Center Case Control Analysis
MODERATED POSTER SESSION: TAVR IN FRAIL PATIENTS AND PATIENTS WITH A HISTORY OF MALIGNANCY

SUNDAY, SEPTEMBER 23, 2018
12:45 PM - 1:45 PM
Moderated Posters 5, Exhibit Hall, Ground Level

12:45 PM - 1:45 PM
TAVR in Frail Patients and Patients with a History of Malignancy
Discussants: Adriano Caixeta, Biswajit Kar, Ruediger S. Lange, Luis Nombela-Franco

12:45 PM
TCT 607: Protein Caloric Malnutrition Is Associated With Adverse Outcomes Following TAVR
Lecturers: Sarah Rudasill

12:52 PM
Discussion

12:57 PM
TCT 608: Effect of Chronic Liver Disease on the Outcomes Readmissions Length of Stay and Cost of Transcatheter Aortic Valve Replacement and Surgical Aortic Valve Replacement
Lecturers: Habib Khoury

1:04 PM
Discussion

1:09 PM
TCT 609: Choosing Between Transcatheter Surgical and Medical Management in Cancer Patients With Severe Aortic Stenosis
Lecturers: Dinu Balanescu

1:16 PM
Discussion

1:21 PM
TCT 610: Outcomes of Transcatheter Aortic Valve Replacement Compared to Surgical Aortic Valve Replacement in Patients With Prior Chest Radiation
Lecturers: Yohan Chacko

1:28 PM
Discussion

1:33 PM
TCT 611: Prognostic Impact of Underweight in Patients With Severe Aortic Valve Stenosis Undergoing Transcatheter Aortic Valve Implantation Or Surgical Aortic Valve Replacement: Prospective Data From the German Aortic Valve Registry GARY
Lecturers: Lisa Voigtlander

1:40 PM
Discuss

MODERATED POSTER SESSION: CORONARY CALCIFICATION II

SUNDAY, SEPTEMBER 23, 2018
1:45 PM - 2:45 PM
Moderated Posters 6, Exhibit Hall, Ground Level

1:45 PM - 2:45 PM
Coronary Calcification II
Moderators: Prashant Kaul, Sunil V. Rao
Discussants: Carey D. Kimmelstiel, Perwaiz M. Meraj, Nattawut Wongpraparut

1:45 PM
TCT 652: Coronary Artery Calcium Score in Predicting Periprocedural Myocardial Infarction in Patients Undergoing Elective Percutaneous Coronary Intervention
Lecturers: Min Gyu Kang

1:52 PM
Discussion

1:57 PM
TCT 653: Acute Mid Term Results of Drug Coated Balloon Following Rotational AthereCTOmy
Lecturers: Taito Nagai

2:04 PM
Discussion

2:09 PM
TCT 654: Coronary Lesion Calcification and the Two Year Outcome After Percutaneous Coronary Intervention
Lecturers: Yin Zhang

2:16 PM
Discussion

2:21 PM
TCT 655: Prevalence Predictors Prognostic Significance and Effect of Techniques on Outcomes of Coronary Lesion Calcification Following Implantation of Drug Eluting Stents: A Patient Level Pooled Analysis of Stent Specific Multi Center Prospective IRI
Lecturers: Cheol Hyun Lee

2:28 PM
Discussion

2:33 PM
TCT 656: the Coating Performance of Des in tortuous and Calcified Lesions: the Preliminary Result of Benchmark Study
MODERATED POSTER SESSION: DES VS DES III

SUNDAY, SEPTEMBER 23, 2018
1:45 PM - 2:45 PM
Moderated Posters 8, Exhibit Hall, Ground Level

1:45 PM - 2:45 PM
DES vs DES III
Moderators: Alaide Chieffo
Discussants: Arif Al Nooryani, Jaikirshan Khatri, Michael A. Kutcher, Alexander Grigorievich Osiev

1:45 PM
TCT 662: Angioscopic Follow Up After Drug Eluting Stents Implantation for Stable Coronary Artery Diseases
Lecturers: Soichiro Hiramatsu

1:52 PM
Discussion

1:57 PM
TCT 663: Comparison of Conformability and Wall Shear Stress Between Resolute integrity Zotarolimus Eluting Stent and the XIENCE Xpedition Everolimus Eluting Stent in Angulated Vessels: An interim Analysis of the SHEAR STENT Randomized Controlled Study
Lecturers: Amav Kumar

2:04 PM
Discussion

2:09 PM
TCT 664: Twelve Month Clinical Outcomes Comparing Biodegradable Polymer Sirolimus Eluting Stent vs Durable Polymer Everolimus Eluting Coronary Stents in Patients With De Novo Native Coronary Artery Lesions: The merIT V Randomized Trial
Lecturers: Ricardo A. Costa

2:16 PM
Discussion

2:21 PM
TCT 665: Unselected Use of Ultrathin Strut Biodegradable Polymer Sirolimus Eluting Stent vs Durable Polymer Everolimus Eluting Stent for Coronary Revascularization
Lecturers: Kyohei Yamaji

2:28 PM
Discussion

2:33 PM
TCT 666: Safety Evaluation of the Biodegradable Polymer Based Sirolimus Eluting Stent With Faster Drug Eluting Rate and Polymer Absorption Kinetics in Complex Patient and Lesion Subgroup of the PANDA III Trial
Lecturers: Sida Jia

2:40 PM
Discussion

MODERATED POSTER SESSION: NON-ATHEROSCLEROSIS CORONARY ARTERY DISEASE II

SUNDAY, SEPTEMBER 23, 2018
1:45 PM - 2:45 PM
Moderated Posters 2, Exhibit Hall, Ground Level

1:45 PM - 2:45 PM
Non-atherosclerosis Coronary Artery Disease II
Moderators: Francesco Pelliccia
Discussants: Valerian Fernandes, Yuji Ikari, Sasko Kedev, Renu Virmani

1:45 PM
TCT 632: Mechanisms of Myocardial Infarction in Patients With Nonobstructive Coronary Artery Disease: Results From the Optical Coherence tomography Study
Lecturers: Maksymilian Opolski

1:52 PM
Discussion

1:57 PM
TCT 633: Prognostic Valve of initial intravascular Ultrasound Without A Routine Early Baseline Study in the Evaluation of Cardiac Transplant Vasculopathy
Lecturers: Mohammad Reza Movahed

2:04 PM
Discussion

2:09 PM
TCT 634: Percutaneous Coronary Intervention With Drug Eluting Stents for the Treatment of Cardiac Allograft Vasculopathy and the Impact of intravascular Ultrasound and Stent Characteristics on Lesion Patency: 4 Year Outcomes
Lecturers: Richard Cheng

2:16 PM
Discussion

2:21 PM
TCT 635: Unmasking Myocardial Bridge Related Ischemia By intracoronary Functional Evaluation
Lecturers: Alberto Barioli
MODERATED POSTER SESSION: PCI VOLUMES AND OUTCOMES I

SUNDAY, SEPTEMBER 23, 2018
1:45 PM - 2:45 PM
Moderated Posters 7, Exhibit Hall, Ground Level

1:45 PM - 2:45 PM
PCI Volumes and Outcomes I
Moderators: David P. Faxon, Sigmund Silber

1:45 PM  TCT 657: Temporal Trends in the Practice of the Trans Radial Approach PCI in A Large Tertiary Center  More Is Better
Lecturers: Leor Perl
1:52 PM  Discussion
1:57 PM  TCT 658: Complex High and Indicated Percutaneous Coronary indication: Does Operator Volume influence Patient Outcome
Lecturers: Tim Kinnaird
2:04 PM  Discussion
2:09 PM  TCT 659: Rates of Selection of Revascularization Strategy PCI vs CABG Do Not influence in Hospital Mortality in Acute Coronary Syndromes ACS
Lecturers: Ashraf Abugroun
2:16 PM  Discussion
2:21 PM  TCT 660: Prevalence Treatment Options and influence of A Training Program on Clinical Outcome in Patients With ST Elevation Myocardial Infarction Between 1999 and 2016 in China: the Prospective Multicenter Registry MOODY Trial
Lecturers: Shao-Liang Chen
2:28 PM  Discussion
2:33 PM  TCT 661: The Influence of Catheterization Laboratory Volume and Hospital Teaching Status on the Acute Myocardial Infarction Outcomes
Lecturers: Tariq Enezate
2:40 PM  Discussion

MODERATED POSTER SESSION: PERCUTANEOUS INTERVENTIONS (PCI OR TAV) IN DIALYSIS PATIENTS OR PATIENTS WITH CHRONIC KIDNEY DISEASE

SUNDAY, SEPTEMBER 23, 2018
1:45 PM - 2:45 PM
Moderated Posters 3, Exhibit Hall, Ground Level

1:45 PM - 2:45 PM
Percutaneous Interventions (PCI or TAV) in Dialysis Patients or Patients with Chronic Kidney Disease
Moderators: Ziad A. Ali, Stephen Cook
Discussants: Usman Baber, Julia Baron, Gianni Dall’Ara

1:45 PM  TCT 637: A Meta Analysis of Clinical Outcomes of Transcatheter Aortic Valve Replacement in Patients With End Stage Renal Disease
Lecturers: Javier Amione Guerra
1:52 PM  Discussion
1:57 PM  TCT 638: Clinical Outcomes of Hemodialysis Patients With Coronary Artery Disease After Newer Generation Drug Eluting Stent Implantation
Lecturers: Shota Okuno
2:04 PM  Discussion
2:09 PM  TCT 639: Comparison of Patients With and Without Dialysis Prior to TAVI in 2000 Consecutive Implantations With A 3 Year Follow Up
Lecturers: Gerhard Schymik
2:16 PM  Discussion
2:21 PM  TCT 640: Transcatheter Aortic Valve Replacement vs Surgical Aortic Valve Replacement Outcomes in Patients on Dialysis: Systematic Review and Meta Analysis
Lecturers: Zaheer Fanari
2:28 PM  Discussion
2:33 PM  TCT 641: Transcatheter Aortic Valve Replacement Outcomes in Patients With End Stage Renal Disease: Systematic Review and Meta Analysis
Lecturers: Zaher Fanari
2:40 PM  Discussion

MODERATED POSTER SESSION: PHARMACOLOGY: TRADITIONAL VS NEWER ANTIPLATELET AGENTS II

SUNDAY, SEPTEMBER 23, 2018
1:45 PM - 2:45 PM
Moderated Posters 4, Exhibit Hall, Ground Level

1:45 PM - 2:45 PM
Pharmacology: Traditional vs Newer Antiplatelet Agents II
Moderators: Germano Di Sciascio
Discussants: Dmitry N. Feldman, Fausto Feres, Hyeon-Cheol Gwon, Mina Madan

1:45 PM  TCT 642: the Comparative Effectiveness and Safety of Cangrelor vs In Lab Glycoprotein IIbIIIa Inhibitor GPI in Patients Undergoing Percutaneous Coronary Intervention: Insights From the Blue Cross Blue Shield of Michigan Cardiovascular Consortium BMC2
Lecturers: Saifullah Siddiqui
1:52 PM  Discussion

1:57 PM  TCT 643: Antiplatelet Therapy With Cangrelor in Patients Undergoing Surgery After Coronary Stent Implantation: A Real World Bridging Protocol Experience
Lecturers: Giulia Masiero
2:04 PM  Discussion

2:09 PM  TCT 644: Use of New Thienopyridines in Patients With Coronary Artery Disease Treated With Percutaneous Coronary Interventions in Argentina Results From A Real World Multicenter Registry
Lecturers: Alfredo Rodriguez Granillo
2:16 PM  Discussion

2:21 PM  TCT 645: Assessment of Angiographic Outcomes After Cangrelor in Acute Coronary Syndrome Patients With Timi Grade Flow 0 Or 1 and Thrombus Compared to Glycoprotein IIbIIIa Inhibitors
Lecturers: Alexandre Hideo-Kojita
2:28 PM  Discussion

2:33 PM  TCT 646: Platelet to Red Cell Distribution Width Ratio Predicts High on Clopidogrel Platelet Reactivity in Patients With Percutaneous Coronary Intervention
Lecturers: Mariusz Tomaniak
2:40 PM  Discussion

MODERATED POSTER SESSION: TAVR LEAFLET THROMBOSIS AND DURABILITY

SUNDAY, SEPTEMBER 23, 2018
1:45 PM - 2:45 PM
Moderated Posters 5, Exhibit Hall, Ground Level

1:45 PM - 2:45 PM
TAVR Leaflet Thrombosis and Durability
Moderators: Duk-Woo Park, Lars Sondergaard
Discussants: Evald H. Christiansen, George D. Dangas, Hans R. Figulla, George S. Hanzel

1:45 PM  TCT 647: Hemodynamic Valve Deterioration Following Transcatheter Aortic Valve Implantation: Prevalence and Predictors of Elevated Transvalvular Gradients
Lecturers: Tobias Rheude
1:52 PM  Discussion

1:57 PM  TCT 648: The Prevalence of Computed Tomography Defined Leaflet Thrombosis in Intra vs Supra Annular Transcatheter Aortic Valve Protheses
Lecturers: Hashrul Rashid
2:04 PM  Discussion

2:09 PM  TCT 649: Impact of Postdilatation on Long Term Outcome and Valve Durability in TAVR Patients
Lecturers: Stephan Haussig
2:16 PM Discussion
2:21 PM TCT 650: Clinical Presentation Management and Outcomes of Patients Who Developed Post Transcatheter Aortic Valve Replacement Thrombosis: Global Case Series
   Lecturers: Daniel Garcia
2:28 PM Discussion
2:33 PM TCT 651: Novel Preclinical Model of Aortic Banding for Evaluation of Implantation Feasibility and Long Term Durability of Transcatheter Aortic Valves
   Lecturers: Pawel E. Buszman
2:40 PM Discussion

MODERATED POSTER SESSION: METALLIC BIORESORBABLE VASCULAR SCAFFOLDS II

SUNDAY, SEPTEMBER 23, 2018
2:45 PM - 3:45 PM
Exhibit Hall, Ground Level, Moderated Posters 8

2:45 PM - 3:45 PM
Metallic Bioreabsorable Vascular Scaffolds II
Moderators: Stephan Achenbach
Discussants: Didier Carrié, Bernardo Cortese, Vasim Farooq

2:45 PM TCT 700: initial Experience of Magnesium Bioreabsorable Scaffold Implantation in Acute Coronary Syndrome
   Lecturers: Magdalena Lanocha, MD
2:52 PM Discussion
2:57 PM TCT 701: Consecutive intravascular Imaging Assessment Up to 3 Years Following Implantation of Resorbable Magnesium Scaffolds
   Lecturers: Himanshu Roi, MD
3:04 PM Discussion
3:09 PM TCT 702: Magnesium Metallic Bioabsorbable Scaffold Magmaris Long Term Results Analysis From Pooled Multicentre Italian Experience
   Lecturers: Stefano Galli, MD
3:16 PM Discussion
3:21 PM TCT 703: Early Results Following Magnesium Bioreabsorable Vascular Scaffold Implantation in Patients With Acute Myocardial Infarction
   Lecturers: Alfonso Ielasi, MD
3:28 PM Discussion
3:33 PM TCT 704: Feasibility of Overlapped Magnesium Made Bioreabsorable Scaffold Implantation in Long Lesions Results From the Multicenter Italian Registry MAGIC
   Lecturers: Francesco Tomassini, MD
3:40 PM Discussion

MODERATED POSTER SESSION: OUTCOMES AFTER PCI TREATMENT OF CTO LESIONS

SUNDAY, SEPTEMBER 23, 2018
2:45 PM - 4:15 PM
Moderated Posters 4, Exhibit Hall, Ground Level

2:45 PM - 4:15 PM
Outcomes After PCI Treatment of CTO Lesions I
Moderators: Pierfrancesco Agostoni, Habib Samady
Discussants: Parag Barwad, Andrea Gagnor, Pravin K Goel, JJ Goy, Luiz Fernando Ybarra, Chih-Fan Yeh

2:45 PM TCT 683: Long Term Prognosis of Complete Percutaneous Coronary Revascularization in Patients With Chronic Total Occlusion: A Comparison Between Preserved and Impaired Renal Function
   Lecturers: Renato Valenti
2:52 PM Discussion
2:57 PM TCT 684: Predictors of Target Vessel Failure in Long Term Follow Up With Chronic Total Occlusion Patients After Successful Percutaneous Coronary Intervention
   Lecturers: Kyusup Lee
3:04 PM Discussion
3:09 PM TCT 685: the Improvement of Left Ventricular Function After CTO Revascularization A Strain Echocardiography Based Study
MODERATED POSTER SESSION: PCI IN THE ELDERLY I

SUNDAY, SEPTEMBER 23, 2018
2:45 PM - 3:45 PM
Moderated Posters 6, Exhibit Hall, Ground Level

2:45 PM - 3:45 PM
PCI in the Elderly I
Moderators: Henning Kelbaek, Richard A. Schatz
Discussants: Francesco Bedogni, Richard R. Heuser, Aaron V. Kaplan, Mahesh V Madhavan, Fazila T. Malik, Bonnie H. Weiner

2:45 PM
TCT 690: Incremental Age Related 1 Year MACCE After Acute Myocardial Infarction in the Drug Eluting Stent Era From KAMIR NIH Registry
Lecturers: SeongHyeon Bu

2:52 PM Discussion

2:57 PM
TCT 691: National Trends of Percutaneous Coronary Intervention for the Elderly
Lecturers: Ayman Elbadowi, MD

3:04 PM Discussion

3:09 PM
TCT 692: Impact of Drug Eluting Stent Generation in Elderly Patients Undergoing PCI: Five Year Follow Up From A Patient Level Analysis of 19 Randomized Trials
Lecturers: Paul Guedeney, MD

3:16 PM Discussion

3:21 PM
TCT 693: Outcomes of Percutaneous Coronary Intervention in Octogenarian Patients An Analysis of the National Inpatient Sample
Lecturers: Amr Idris, MD

3:28 PM Discussion

3:33 PM
TCT 694: Outcome of High Risk Percutaneous Coronary Intervention in Octogenarians: Insight From the From the cVAD Registry
Lecturers: M Chadi Alraies

3:40 PM Discussion

MODERATED POSTER SESSION: STEMI AND MULTIVESSEL DISEASE

SUNDAY, SEPTEMBER 23, 2018
2:45 PM - 3:33 PM
Moderated Posters 3, Exhibit Hall, Ground Level

2:45 PM - 3:33 PM
STEMI and Multivessel Disease
Moderators: Sanjit S. Jolly, Pieter C. Smit
Discussants: Bimmer E. Claessen, Waleed Y Kadro, Michael Maeng, Gary L. Schaer, Nadia R Sutton
Discussants: Patrick J Goleski, Talib Majwal, Sheila Sahni, Evan Shlofmitz, Corrado Tamburino

2:45 PM  
TCT 673: Two Years Clinical Outcomes With the State of the Art PCI for the Treatment of Bifurcation Lesions: A Sub Analysis of the SYNTAX II Study  
Lecturers: Rodrigo Modolo

2:52 PM  
Discussion

2:57 PM  
TCT 674: Impact of Coronary Calcification on the Agreement Between Coronary CTA and Conventional Angiography in the Syntax Score Treatment Decision  
Lecturers: Saima Mushtaq

3:04 PM  
Discussion

3:09 PM  
TCT 675: Site vs Core Laboratory SYNTAX Score Variability  
Lecturers: Carlos Collet

3:16 PM  
Discussion

3:21 PM  
TCT 676: Could the Logistic Clinical SYNTAX Score Have Predicted the All Cause Mortality in the Global Leaders Trial A Prediction Prior to the Unblinding of the Trial  
Lecturers: Ply Chichareon

3:28 PM  
Discussion

MODERATED POSTER SESSION: TAVR AND CAD II

SUNDAY, SEPTEMBER 23, 2018  
2:45 PM - 3:45 PM  
Moderated Posters 1, Exhibit Hall, Ground Level

2:45 PM - 3:45 PM  
TAVR and CAD II  
Moderators: Junbo Ge  
Discussants: Bernard R. Chevalier, Paul Hsien-Li Kao, Poonam Velagapudi

2:45 PM  
TCT 627: Impact of Coronary Revascularization in Patients Undergoing Transcatheter Aortic Valve Implantation  
Lecturers: Diego Lopez Otero

2:52 PM  
Discussion

2:57 PM  
TCT 628: Impact of Prestaged Percutaneous Coronary Intervention on Outcome in Coronary Artery Disease Patients Undergoing Transfemoral Aortic Valve Replacement  
Lecturers: Julia Seeger

3:04 PM  
Discussion

3:09 PM  
TCT 629: Troponin Rise Predicts Thirty Days Outcome in Coronary Artery Disease Patients Undergoing Transfemoral Aortic Valve Replacement for Severe Aortic Stenosis  
Lecturers: Julia Seeger

3:16 PM  
Discussion

3:21 PM  
TCT 630: New Indexes for Predicting Coronary Obstruction After Balloon Expandable Transcatheter Aortic Valve Replacement  
Lecturers: Yasushi Fuku

3:28 PM  
Discussion

3:33 PM  
TCT 631: DILEMMA Score Predicts 1 Year Mortality in Patients With Coronary Artery Disease Undergoing Transcatheter Aortic Valve Replacement  
Lecturers: Michael Michail

3:40 PM  
Discussion

MODERATED POSTER SESSION: TAVR RISK STRATIFICATION AND OUTCOMES III

SUNDAY, SEPTEMBER 23, 2018  
2:45 PM - 3:45 PM  
Moderated Posters 5, Exhibit Hall, Ground Level

2:45 PM - 3:45 PM  
TAVR Risk Stratification and Outcomes III  
Moderators: Jose Luis Nava, Hendrik Treede  
Discussants: Daniel J. Blackman, Thomas Modine, Wojtek Wojakowski, S. Chiu Wong, Yuejin Yang
TCT 686: Mixed Aortic Valve Disease: Impact on Outcome After Transcatheter Aortic Valve Implantation
Lecturers: Konstantinos Stathogiannis, MD

TCT 687: Paravalvular Leak in the RESPOND Post Market Study: Predictors and Impact on 2 Year Clinical Outcomes Following TAVR With A Fully Repositionable and Retrievable Aortic Valve in Routine Clinical Practice
Lecturers: Jochen Wöhrlle

TCT 688: Effect of Renin Angiotensin System Blockade in Long Term Outcomes Following Transcatheter Aortic Valve Implantation: Results From the Retrospective Cohort of the RASTAVI Study
Lecturers: Ignacio Amat-Santos

TCT 695: Comparing Veno Arterial Extracorporeal Membrane Oxygenation (ECMO) and Impella in Cardiogenic Shock Patients
Lecturers: Thong Nguyen, MD

TCT 696: Real World Experience With Extracorporeal Cardiopulmonary Resuscitation (ECPR)
Lecturers: Lucas Marinacci, MD

TCT 697: Left Ventricular Decompression During Extracorporeal Membrane Oxygenation for Cardiogenic Shock: A Systematic Review and Meta Analysis
Lecturers: Juan Russo, MD

TCT 705: Current Treatment Strategies for In-Stent Restenosis in the Era of Drug Eluting Stents: A Meta Analysis
Lecturers: Kleanthis Theodoropoulos, MD
TCT 707: A Prospective Randomized Multicenter Study to Assess the Safety and Effectiveness of the Orsiro Sirolimus Eluting Stent in the Treatment of Subjects With Up to Two De Novo Coronary Artery Lesions  BIOFLOW IV 3 Year Clinical Results
Lecturers: Ton Slagboom, MD

Discussion

TCT 708: Influence of Hospital Characteristics on the Management and Outcomes of Cardiogenic Shock Complicating Acute Myocardial Infarction A 15 Year National Study
Lecturers: Saraschandra Vallabhajosyula, MD

Discussion

TCT 709: Clinical Importance of intraProcedural Thrombotic Events A VALIDATE SWedeHeart Substudy
Lecturers: Sofia Karlsson, MD

Discussion

TCT 706: Cardiovascular and Non Cardiovascular Death After PCI Insights From 32882 Patients Enrolled in 21 Randomized Trials
Lecturers: Sorin J. Brener

Discussion

MODERATED POSTER SESSION: MISCELLANEOUS PHARMACOTHERAPY STUDIES

SUNDAY, SEPTEMBER 23, 2018
3:45 PM - 4:45 PM
Moderated Posters 6, Exhibit Hall, Ground Level

3:45 PM - 4:45 PM
Miscellaneous Pharmacotherapy Studies
Moderators: Dharam J. Kumbhani
Discussants: John A. Ambrose, Huay Cheem Tan, James E. Udelson

TCT 725: Normalization of Testosterone After Testosterone Replacement Therapy Is Not Associated With Increased Incidence of Recurrent Myocardial Infarction in Patients With A History of Previous Myocardial Infarction
Lecturers: Mohammad-Ali Jazayeri, MD

Discussion

TCT 726: Early intravenous Beta Blockers in Patients Undergoing Primary Percutaneous Coronary Intervention for ST Segment Elevation Myocardial Infarction A Patient Pooled Meta Analysis of Randomised Clinical Trials
Lecturers: Peter Damman, MD

Discussion

TCT 727: Relevance of Type and Dose of Beta Blockers in Prognosis Among Patients With Ischemic Heart Disease Data From GRAND DES Registry
Lecturers: Jiesuck Park, MD

Discussion

TCT 728: Long Term Medication Adherence and Prognosis After Successful Percutaneous Coronary Intervention in Patients With Acute Myocardial Infarction Experiences From the Korean Multicenter Registry
Lecturers: Juhan Kim, MD

Discussion

MODERATED POSTER SESSION: PHARMACOLOGY: STATINS AND LIPIDS

SUNDAY, SEPTEMBER 23, 2018
3:45 PM - 4:45 PM
Moderated Posters 3, Exhibit Hall, Ground Level

3:45 PM - 4:45 PM
Pharmacology: Statins and Lipids
Moderators: Evan A. Stein
Discussants: Frederick Feit, Norman E. Lepor

TCT 710: Effects of Borassus Aetiopium Bread on Metabolic Risk Parameters of Ghanaian Cardiovascular Disease Outpatients A Pilot Intervention Study
Lecturers: Odeofo Asamoah-Boakye, MD

Discussion

TCT 711: Achieving Target LDL Following Percutaneous Coronary Revascularization Contemporary Results in A Nationalized Health Care System
Lecturers: Trevor Simard, MD

Discussion
4:04 PM Discussion

4:09 PM TCT 712: Metabolic Parameters As Independent Markers for Coronary Endothelial Dysfunction in Humans
Lecturers: Jongwook Yu, MD

4:16 PM Discussion

4:21 PM TCT 713: Impact of Statins Preloading Before PCI on Periprocedural Myocardial Infarction Among Stable Angina PeCTOris Patients Undergoing Percutaneous Coronary Intervention: A Meta Analysis of Randomized Controlled Trials
Lecturers: Mohamad Soud, MD

4:28 PM Discussion

4:33 PM TCT 714: Association of Statin and Mortality After Transcatheter Aortic Valve Replacement
Lecturers: Poghni Peri-Okonny, MD

4:40 PM Discussion

MODERATED POSTER SESSION: STENT OR SCAFFOLD THROMBOSIS

SUNDAY, SEPTEMBER 23, 2018
3:45 PM - 4:45 PM
Moderated Posters 8, Exhibit Hall, Ground Level

3:45 PM - 4:45 PM
Stent or Scaffold Thrombosis
Moderators: David G. Rizik
Discussants: Salvatore Brugaletta, Lisette Okkels Jensen, Maurizio Menichelli, Giulio G. Stefanini

3:45 PM TCT 734: Comparison of Thromboresistance Between Everolimus Eluting Fluoropolymer Stent and ELuNiR Ridaforolimus Eluting Coronary Stent vs Ridaforolimus Eluting Stent in An Ex Vivo Swine Shunt Model
Lecturers: Hiroyuki Jinnouchi, MD

3:52 PM Discussion

3:57 PM TCT 735: Clinical Utility of Combined Optical Coherence tomography and Near infrared Spectroscopy for Assessing the Mechanism of Very Late Stent Thrombosis
Lecturers: Yasushi Ino, MD

4:04 PM Discussion

4:09 PM TCT 736: Prevalence and Impact of Bleeding Determinants on Risks for Out of Hospital Bleeding and Coronary Thrombosis in Patients Undergoing Percutaneous Coronary Intervention: Results From A Large Single Center PCI Registry
Lecturers: Sabato Sorrentino, MD

4:16 PM Discussion

4:21 PM TCT 737: Very Late Stent Thrombosis After Revascularization With Biodegradable Polymer Drug Eluting Stents From the SORT OUT VII Trial
Lecturers: Lisette Okkels Jensen

4:28 PM Discussion

4:33 PM TCT 738: incidence and Predictors of Outcomes After First Definite Stent Thrombosis Event
Lecturers: Maria Tovar Forero, MD

4:40 PM Discussion

MODERATED POSTER SESSION: TAVR IN PATIENTS WITH PULMONARY HYPERTENSION OR RV FAILURE

SUNDAY, SEPTEMBER 23, 2018
3:45 PM - 4:33 PM
Moderated Posters 5, Exhibit Hall, Ground Level

3:45 PM - 4:33 PM
TAVR in Patients with Pulmonary Hypertension or RV Failure
Moderators: Helge Möllmann, Jeffrey J. Popma
Discussants: Matthias Göttberg, Jan Kovac, Ulrich Schäfer

3:45 PM TCT 719: Clinical Impact of Baseline Right Bundle Branch Block in Patients Undergoing Transcatheter Aortic Valve Replacement
Lecturers: Euihong Ko, MD

3:52 PM Discussion

3:57 PM TCT 720: Right Ventricular Function As A Predictor for Mortality in TAVI Patients
Lecturers: Maria Tovar Forero, MD
Lecturers: Zisis Dimitriadis, MD

4:04 PM Discussion

4:09 PM TCT 722: Pre Existing Pulmonary Hypertension in Patients Undergoing Aortic Valve Replacement Effect on in Hospital Mortality and Procedural Complications
Lecturers: Konstantinos Voudris, MD

4:16 PM Discussion

4:21 PM TCT 723: Pulmonary Arterial Proportional Pulse Pressure: A Hemodynamic Predictor of Right Ventricular Dysfunction and Early Outcomes Following Transcatheter Aortic Valve Replacement
Lecturers: Martín Miguel Amor, MD

4:28 PM Discussion

MODERATED POSTER SESSION: VASCULAR ACCESS DURING PCI I
SUNDAY, SEPTEMBER 23, 2018
3:45 PM - 4:45 PM
Moderated Posters 7, Exhibit Hall, Ground Level

3:45 PM - 4:45 PM
Vascular Access During PCI I
Moderators: Robert J. Applegate
Discussants: Mazen Abu-Fadel, Itshac Itsik Ben-dor, Zaza Kavteladze, Christopher Pyne, Eufracio Sandoval, Yader Sandoval

3:45 PM TCT 729: Procedural Outcomes of Percutaneous Coronary Interventions for Chronic Total Occlusions Via the Radial Approach Insight From An international CTO Registry
Lecturers: Peter Tajti
3:52 PM Discussion

3:57 PM TCT 730: Distal Transradial Access in the Anatomical Snuffbox for Coronary Angiography As An Alternative Access Site for Faster Hemostasis A Single Center Registry
Lecturers: Shunsuke Aoi, MD
4:04 PM Discussion

4:09 PM TCT 731: Potential Benefits of Modified Short Axis View and Long Axis View Use in Ultrasound Guided Radial Artery Catheterization A Systematic Review and Meta Analysis of Randomized Controlled Trials
Lecturers: M Chadi Alraies
4:16 PM Discussion

4:21 PM TCT 732: Readmission and Mortality in Patients Undergoing Percutaneous Coronary Intervention Stratified By Access Site Adjusted and Propensity Score Matched Analyses
Lecturers: Ahmad Masri, MD
4:28 PM Discussion

4:33 PM TCT 733: Comparison of Vascular Closure Device With Trans Femoral Approach vs Trans Radial Approach An Updated Meta Analysis
Lecturers: Sisir Siddamsetti, MD
4:40 PM Discussion

CARDIOVASCULAR PROFESSIONALS (CVP) COURSE: 27TH ANNUAL CARDIOVASCULAR NURSE AND TECHNOLOGIST SYMPOSIUM: HOT TOPICS
SUNDAY, SEPTEMBER 23, 2018
2:00 PM - 4:15 PM
TBD

2:00 PM - 2:30 PM
Session I: PFO Closure Procedure
Moderators: Patricia Keegan
Discussants: Srihari S. Naidu, Martina Kelly Speight

2:00 PM PFO Closure Pharmacology and Procedure
Lecturers: Patricia Keegan

2:10 PM PFO Closure Complications
Lecturers: Srihari S. Naidu
2:20 PM  Roundtable Discussion with Audience QA

2:30 PM - 3:25 PM  
Session II. Transcatheter Mitral Valve Repair  
Moderators: Elizabeth M. Perpetua  
Discussants: Julie Logan, Jason H. Rogers, Martina Kelly Speight

2:30 PM  Mitral Valve Disease 101 Today and Tomorrow  
Lecturers: Julie Logan

2:45 PM  Anatomical Assessment for the MitraClip  
Lecturers: Elizabeth M. Perpetua

3:00 PM  MitraClip Procedure and Complications  
Lecturers: Jason H. Rogers

3:15 PM  Roundtable Discussion with Audience QA

3:25 PM - 4:15 PM  
Session III. Transcatheter Aortic Valve Therapies  
Moderators: Martina Kelly Speight  
Discussants: Marian C. Hawkey, Patricia Keegan

3:25 PM  DAPT and Anticoagulation Post TAVR: What is the Standard of Care  
Lecturers: Patricia Keegan

3:35 PM  Conduction Abnormalities After TAVR: Management Recommendations  
Lecturers: Marian C. Hawkey

3:45 PM  Clinical Impact of Valve Thrombosis After TAVR  
Lecturers: Martina Kelly Speight

3:55 PM  Diagnosing and Managing Perivalvular Leak in Post TAVR Patients

4:05 PM  Roundtable discussion with audience QA

EVENING PROGRAM: THE APPROACH TO THE HIGH BLEEDING RISK PATIENT [SPONSORED BY CRF, SUPPORTED BY ABBOTT, BOSTON SCIENTIFIC CORPORATION, BIOSENSORS, CELONOVA BIOSCIENCES, MEDTRONIC, AND ORBUSNEICH]

SUNDAY, SEPTEMBER 23, 2018  
6:00 PM - 8:00 PM  
Pacific Ballroom 14-17

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

6:30 PM - 8:00 PM  
The Approach to the High Bleeding Risk Patient  
Co Chairs: Roxana Mehran, Marie-Claude Morice, Philip M. Urban  
Faculty: Dominick J. Angiolillo, Robert A. Byrne, Bimmer E. Claessen, C. Michael Gibson, Ajay J. Kirtane, Mitchell W. Krucoff, Martin B. Leon, Gregg W. Stone, Harry Surruypnanato, MD, PhD, Marco Valgimigli, MD, Robert W. Yeh

6:30 PM  Welcome and Introductions  
Lecturers: Philip M. Urban

8:00 PM  Adjourn

EVENING PROGRAM: ULTRATHIN ORSIRO DES: NOVEL TECHNOLOGY, EYE-CATCHING CASES AND ROBUST EVIDENCE [SPONSORED BY BIOTRONIK]

SUNDAY, SEPTEMBER 23, 2018  
6:00 PM - 8:00 PM  
Pacific Ballroom 23-26

6:00 PM - 8:00 PM  
Ultrathin Orsiro DES: Novel technology, eye-catching cases and robust evidence  
Chairs: David E. Kandzari  
Faculty: Sripal Bangalore, David A. Cox, James B. Hermiller Jr, Thomas Pilgrim, David G. Rizik, Ron Waksman, Steven J. Yakubov, Clemens von Birgelen
6:00 PM Dinner Reception
6:30 PM Meet BIOTRONIK VI
   Lecturers: Ron Waksman
6:40 PM Product and data overview
   Lecturers: David E. Kandzari
6:50 PM What's the deal with ultrathin struts? The facts
   Lecturers: Sripal Bangalore
7:05 PM Discussion
7:10 PM What's the deal with ultrathin struts? Biocompatibility
   Lecturers: Thomas Pilgrim
7:25 PM Discussion
7:30 PM What's the deal with ultrathin struts? Effective endothelialization
   Lecturers: Clemens von Birgelen
7:45 PM Discussion
7:50 PM Key learnings and take away
   Moderators: David E. Kandzari
   Discussants: David A. Cox, James B. Hermiller Jr, David G. Rizik, Ron Waksman, Steven J. Yakubov
8:00 PM Adjourn

FDA TOWN HALL MEETING PART 2: HOT TOPICS

SUNDAY, SEPTEMBER 23, 2018
2:00 PM - 6:00 PM
Room 29A-B, Upper Level

2:00 PM - 2:52 PM
Session I. Sham Controlled Studies: Regulatory, Clinical, and Industry Perspectives
   Moderators: Kenneth J. Cavanaugh Jr, Roxana Mehran
   Discussants: Jeroen J. Bax, Robert O. Bonow, Anthony H. Gershlick, Laura Mauri, Hiren Mistry, Bray Patrick-Lake, Mark Reisman, Chuck Simonton, Gregg W. Stone

2:00 PM ORBITA One Year Later: What Would I Do Differently If Anything
   Lecturers: Rasha Al-Lamee
2:08 PM Sham Controls in Renal Denervation Studies: Need to Have vs Nice to Have
   Lecturers: Laura Mauri
2:16 PM FDA Perspectives on Sham Controlled Trials
   Lecturers: Hiren Mistry
2:24 PM Patient Perspectives on Sham Controlled Trials
   Lecturers: Bray Patrick-Lake
2:32 PM Roundtable Discussion with Audience QA: Pros And Cons of Sham Controlled Trials

2:52 PM - 3:25 PM
Session II. Accessory Devices for TAVR: Case Study Cerebral Embolic Protection Devices
   Moderators: Jeffrey J. Popma, Changfu Wu

2:52 PM Cerebral Embolic Protection for TAVR Procedures: A Critical Appraisal
   Lecturers: Samir R. Kapadia
3:00 PM Cerebral Embolic Protection: Regulatory Perspectives
   Lecturers: Sadaf Toor
3:08 PM Roundtable Discussion with Audience QA: Safety and Effectiveness Considerations

3:25 PM - 4:01 PM
Session III. Mitral Repair/Replacement Devices
   Moderators: Michael J. Mack, Changfu Wu
   Discussants: Howard C. Herrmann, John C Laschinger, David Pomfret, Jaime Raben, Horst Sievert, Gregg W. Stone, Eric Vang, Bernard Vasseur

3:25 PM Pivotal Transcatheter FMR Device Trials: COAPT MITRAfr reduce FMR ACTIVE and More
   Lecturers: Gregg W. Stone
3:33 PM Transcatheter Mitral Valve Replacement: Trial Design Considerations
Lecturers: John C Laschinger

3:41 PM Roundtable Discussion With Audience QA: How May Recent Trials Affect the Landscape

4:01 PM - 4:37 PM Session IV. Tricuspid Repair/Replacement Devices
Moderators: Jaime Raben
Discussants: Vinayek Bapat, Brij Maini, Christopher U. Meduri, David Pompfret, Josep Rodés-Cabau, Bernard Vasseur, Bernard Zovighian

4:01 PM Transcatheter Tricuspid Valve Therapies: Challenging Technologies and Clinical Trial Pathways
Lecturers: Josep Rodés-Cabau

4:09 PM Regulatory Considerations for Transcatheter Tricuspid Valve Therapies
Lecturers: Bernard Vasseur

4:17 PM Roundtable Discussion with Audience QA: Demonstrating safety and Efficacy for TR Reduction Therapies

4:37 PM - 5:13 PM Session V. Percutaneous Circulatory Support Devices: Clinical Needs, Payer Considerations, and Regulatory Challenges
Moderators: Nicole Ibrahim, David E. Kandzari

4:37 PM Are Randomized Trials Feasible for Percutaneous Mechanical Support Devices
Lecturers: Holger Thiele

4:45 PM Percutaneous Mechanical Support Devices for Shock and Pre Shock: Clinical and Regulatory Considerations
Lecturers: John C Laschinger

4:53 PM Roundtable Discussion with Audience QA: Reimbursement and Regulatory Challenges for Percutaneous Circulatory Support Devices

5:13 PM - 6:00 PM Session VI: Drug-Coated Balloons: Coronary and Peripheral Indications
Moderators: Juan F. Granada, Michael C. John

5:13 PM DCB for BTK: Clinical Challenges and Lessons Learned
Lecturers: William A. Gray

5:21 PM DCB for Coronary Artery Disease: In Stent Restenosis NSTEMI and Small Vessels
Lecturers: Bruno Scheller

5:29 PM FDA Perspectives on DCB in Coronary and Peripheral Interventions
Lecturers: P.F. Adrian Magee

5:37 PM Roundtable Discussion with Audience QA: Least Burdensome Trials to Demonstrate DCB Safety and Effectiveness

EDITED TAPED CASES

SUNDAY, SEPTEMBER 23, 2018
2:30 PM - 4:40 PM
Presentation Theater 3, Exhibit Hall, Ground Level

2:30 PM - 4:40 PM
Edited Taped Cases
Moderators: Stefan Harb, Chet Rihal
Discussants: Matthew J Daniels, Adam Janas, Simon Cheung-chi Lam, Jorge Palazuelos

2:30 PM Intravascular Lithotripsy for a Severely Underexpanded Coronary Stent
Case Presenter: Stuart Watkins

2:42 PM Discussion and QA

2:50 PM Axillary Artery Access for Mechanical Circulatory Support in Patients with Prohibitive Peripheral Arterial Disease Undergoing High risk PCI
Case Presenter: Amir Kaki

3:02 PM Discussion

3:10 PM Self positioning Transspetal Puncture and Guidance System
Case Presenter: Francesco Maisano

3:22 PM Discussion

3:30 PM Percutaneous Mitral Valve in valve Implantation with Sapien 3 Prosthesis in Failed Mosaic Surgical Valve Using the Transeptal Approach
Case Presenter: Caterina Gandolfo
3:42 PM Discussion

3:50 PM AltaValve TMVR
Case Presenter: Anita Asgar

4:02 PM Discussion

4:10 PM Moderate Sedation Left Atrial Appendage Occlusion
Case Presenter: Mohamad Adnan Alkhouli

4:30 PM Discussion
BREAKFAST PROGRAM: CBCEC INITIATIVE (SPONSORED BY CBCEC)

MONDAY, SEPTEMBER 24, 2018
6:30 AM - 8:00 AM
Room 26A-B

BREAKFAST PROGRAM: CHAT-WITH-EXPERTS: DAPT STRATEGIES FOR MANAGING HIGH-BLEEDING RISK DES PATIENTS (SPONSORED BY ABBOTT)

MONDAY, SEPTEMBER 24, 2018
6:30 AM - 8:00 AM
Room 30D-E, Upper Level

6:30 AM - 8:00 AM
Chat-With-Experts: DAPT Strategies for Managing High-Bleeding Risk DES Patients
Faculty: Aloke V. Finn, Roxana Mehran, Stephan Windecker

6:30 AM Check in & Breakfast
7:00 AM Welcome
Lecturers: Roxana Mehran
7:05 AM Current Challenges in Managing HBR Patients and the Role of DES
Lecturers: Stephan Windecker
7:10 AM Impact of DES Design on Short DAPT Duration
Lecturers: Aloke V. Finn
7:15 AM Live QA with Panel Faculty
Lecturers: Aloke V. Finn, Roxana Mehran, Stephan Windecker
7:55 AM Closing Remarks
Lecturers: Roxana Mehran

BREAKFAST PROGRAM: INTERVENTIONAL THERAPIES FOR HYPERTENSION - CURRENT EVIDENCE AND CONTROVERSIES (SPONSORED BY CRF, SUPPORTED BY MEDTRONIC)

MONDAY, SEPTEMBER 24, 2018
6:30 AM - 8:00 AM
Room 23B-C, Upper Level

6:30 AM - 7:00 AM
Check-In & Breakfast

7:00 AM - 8:00 AM
Interventional Therapies for Hypertension: Current Evidence and Controversies
Co Chairs: Juan F. Granada, Ajay J. Kirtane, Martin B. Leon
Faculty: David E. Kandzari, Felix Mahfoud, Michael A. Weber, MD

7:00 AM Welcome and Introductions
Lecturers: Martin B. Leon
7:02 AM Preclinical Advances in the Understanding of Interventional Hypertension Therapies
Lecturers: Felix Mahfoud
7:14 AM Moderated Discussion
7:19 AM In Case You Missed It: Whats Happened So Very Recently in Renal Denervation
Lecturers: Ajay J. Kirtane
7:31 AM On Meds or Off Meds: What is the Sweet Spot for Device Based Hypertension Therapies
Lecturers: Michael A. Weber, MD
7:42 AM Regulatory and Reimbursement Challenges for Hypertension Therapies: My Crystal Ball for the Next 5-10 years
Lecturers: David E. Kandzari
7:54 AM Moderate Discussion
BREAKFAST PROGRAM: LEFT MAIN SYMPOSIUM (SPONSORED BY INDIA MEDTRONIC)

MONDAY, SEPTEMBER 24, 2018
6:30 AM - 8:00 AM
Room 28D-E, Upper Level

6:30 AM - 8:00 AM
Left Main Symposium
Faculty: Antonio Colombo, Gary S. Mintz

6:30 AM  Check in  Breakfast

7:00 AM  Leading the Way in Left Main: Symposium Objective
Lecturers: Antonio Colombo

7:03 AM  Left Main Bifurcation: Where are we today in 2018
Moderators: Gary S. Mintz
Discussants: Antonio Colombo

7:13 AM  Impact of Stent Design on LM Bifurcation
Moderators: Gary S. Mintz
Discussants: Antonio Colombo

7:23 AM  Case: Left Main Bifurcation  Provisional Stenting Technique
Moderators: Gary S. Mintz
Discussants: Antonio Colombo

7:31 AM  Case: Imaging Guided Left Main PCI
Moderators: Gary S. Mintz
Discussants: Antonio Colombo

7:39 AM  Case: Left Main Trifurcation
Moderators: Gary S. Mintz

7:47 AM  Case: Rotablation In Left Main
Moderators: Gary S. Mintz
Discussants: Antonio Colombo

7:55 AM  Conclusion  Closing Remarks

BREAKFAST PROGRAM: THE CARILLON MITRAL CONTOUR SYSTEM: RESHAPING THE COURSE OF FMR (SPONSORED BY CARDIAC DIMENSIONS)

MONDAY, SEPTEMBER 24, 2018
6:30 AM - 8:00 AM
Room 28A-B, Upper Level

6:30 AM - 8:00 AM
The Carillon Mitral Contour System: Reshaping the Course of FMR
Chairs: Horst Sievert
Faculty: Steven L. Goldberg, Samir R. Kapadia, Martin B. Leon, Klaus Witte, MBBS, MRCP, MD, FESC, FACC

6:30 AM  Check in  Breakfast

7:00 AM  Highlights from Late Breaking Clinical Trials: FMR Studies

7:10 AM  A Heart Failure Physicians Perspective on FMR
Lecturers: Klaus Witte, MBBS, MRCP, MD, FESC, FACC

7:25 AM  Insights on the REDUCE FMR Trial: A Randomized Sham Controlled Trial
Lecturers: Horst Sievert

7:45 AM  The CARILLON Trial: A Randomized Sham controlled IDE Trial
Moderators: Steven L. Goldberg
Lecturers: Samir R. Kapadia

7:55 AM  Summary of FMR Trials
Lecturers: Martin B. Leon

BREAKFAST PROGRAM: UNDERSTANDING THE CROWDED LANDSCAPE OF PERCUTANEOUS MITRAL INTERVENTIONS (SPONSORED BY CRF, SUPPORTED BY ABBOTT)
6:30 AM - 7:00 AM
Check-In & Breakfast

7:00 AM - 8:00 AM
Understanding the Crowded Landscape of Percutaneous Mitral Interventions
Chairs: Ted Feldman
Faculty: William T. Abraham, Paul Sorajja

7:00 AM Welcome
Lecturers: Ted Feldman

7:05 AM Status of MitraClip Therapy in US Practice: Real World Practice and Outcomes
Lecturers: Paul Sorajja

7:20 AM COAPT Mitra France and Reshape: Latest Trial Results for Transcatheter Repair for FMR
Lecturers: William T. Abraham

7:35 AM Future Directions: Impact of Trial Results on Patient Selection Next Gen Repair Devices and Role of Mitral Replacement
Lecturers: Ted Feldman

7:50 AM Roundtable Discussion with Audience QA

8:00 AM Adjourn

MAIN ARENA III, MONDAY, SEPT. 24

MONDAY, SEPTEMBER 24, 2018
8:00 AM - 1:00 PM
Main Arena, Hall F, Ground Level

8:00 AM - 9:30 AM
Live Cases #5
Live Case Moderators: Martin B. Leon
Live Case Co Moderators: Patrick M. McCarthy
Factoid Faculty: Christine J. Chung, Amirali Masoumi, Megha Prasad, Sabato Sorrentino, Eisuke Usui

8:00 AM Heart Center Bonn University Hospital Bonn Germany
Live Case Operators: Eberhard Grube, Georg Nickenig

8:45 AM St Pauls Hospital Vancouver BC
Live Case Operators: John G. Webb, David A. Wood

9:30 AM - 9:54 AM
Rapid Fire Case Controversies: Endovascular
Moderators: Tony Das, Sahil A. Parikh
Discussants: George L Adams, Jacques Busquet, Brian G. DeRubertis, Virendra I Patel, Mahmood K. Razavi, Kenneth Rosenfield, Christopher J. White

9:30 AM The Other Type Of Aortic Stenosis: Complex Aortoiliac Occlusive Disease
Case Presenter: Ehrin J. Armstrong

9:38 AM Long Calcified SFA Chronic Occlusion
Case Presenter: Lawrence A. Garcia

9:46 AM Complex Multilevel Critical Limb Ischemia
Case Presenter: Arthur C. Lee

9:54 AM - 10:09 AM
TCT 2018 Linnemeier Young Investigator Award
Award Presenters: Gregg W. Stone
Lecturers: Lorenzo Azzalini, Salvatore Brugaletta, Philipp Lurz, Luis Nombela-Franco

9:54 AM TCT 2018 Linnemeier Young Investigator Award
Award Presenters: Gregg W. Stone
Lecturers: Lorenzo Azzalini, Salvatore Brugaletta, Philipp Lurz, Luis Nombela-Franco
10:09 AM - 10:15 AM
TCT 2018 Shark Tank Winner
Award Presenters: Juan F. Granada

10:15 AM - 11:15 AM
Late-Breaking Trials 4
Moderators: C. Michael Gibson, Gregg W. Stone
Discussants: John A. Ambrose, Deepak L. Bhatt, David E. Eringe, John McB. Hodgson, Ryan D. Madd, Gary S. Mintz, James E. Muller, Robert M. Schainfeld, Freek W.A. Verheugt

10:15 AM ULTIMATE: A Randomized Trial of Intravascular Ultrasound Guidance of Coronary Drug Eluting Stent Implantation in an All Comers Patient Population
Lecturers: Junjie Zhang

10:27 AM Roundtable Discussion

10:35 AM LRP: Assessment of Coronary Near Infrared Spectroscopy Imaging to Detect Vulnerable Plaques and Vulnerable Patients
Lecturers: Ron Waksman

10:47 AM Roundtable Discussion

10:55 AM OAC ALONE: A Randomized Trial of Oral Anticoagulation With vs Without Single Antiplatelet Therapy in Patients With Atrial Fibrillation Beyond One Year After Drug Eluting Stent Implantation
Lecturers: Yukiko Nakano

11:07 AM Roundtable Discussion

11:15 AM - 12:00 PM
Live Case #6
Live Case Moderators: Gregg W. Stone
Live Case Co Moderators: David H. Adams
Live Case Discussants: Jonathon A. Leipsic, Scott Lim, Randolph P. Martin, Christopher U. Meduri, David W.M. Muller, Robert J. Siegel, Horst Sievert, Paul Sarajja, Mathew Williams
Factoid Faculty: Christine J. Chung, Amirali Masoumi, Megha Prasad, Sabato Sorrentino, Eisuke Usui

11:15 AM NYPHColumbia University Medical Center New York NY
Live Case Operators: Michael Collins, Rebecca T. Hahn, Dimitri Karmaliotis, Susheel K. Kodali, Nicholas J. Lombo, Manish P. Parikh

12:00 PM - 1:00 PM
Late-Breaking Clinical Science 2, Co-Sponsored by The European Heart Journal
Moderators: Thomas F. Luscher
Co-Moderator: Jeroen J. Bax
Discussants: Paweł E. Buszman, Jeff Chambers, Stephen G. Ellis, Bernard J. Gersh, Stuart J. Head, Niels R. Holm, Ran Kornowski, Ulf Landmesser, Alexandra J. Lansky, Perwaiz M. Meraj

12:00 PM FAST FFR: Accuracy of Fractional Flow Reserve Derived From Coronary Angiography
Lecturers: William F. Fearon

12:10 PM Roundtable Discussion

12:15 PM SYNTAXES: Ten Year Follow up From a Randomized Trial of Drug Eluting Stents vs Bypass Surgery in Patients With Left Main and Triple Vessel Disease
Lecturers: Daniel J.F.M. Thuijs

12:25 PM Roundtable Discussion

12:30 PM MAIN COMPARE: Ten Year Follow up From a Nonrandomized Trial of Drug Eluting Stents vs Bypass Surgery in Patients With Left Main Disease
Lecturers: Seung-Jung Park

12:40 PM Roundtable Discussion

12:45 PM PREPARE CALC: A Randomized Trial of High speed Rotational Atherectomy Prior to Drug Eluting Stent Implantation in Severely Calcified Coronary Lesions
Lecturers: Gert Richardt

12:55 PM Roundtable Discussion

LIVE CASE THEATER V, MONDAY, SEPTEMBER 24

MONDAY, SEPTEMBER 24, 2018
8:00 AM - 12:00 PM
Ballroom 20, Upper Level

8:00 AM - 10:00 AM
Session I. Live Cases: ENDO
Live Case Moderators: Gary M. Ansel
Live Case Co Moderators: Stephen R. Ramee
Factoid Faculty: Matthew T Finn, Amirali Masoumi, Masahiko Noguchi, Evan Shlofmiz, Sabato Sorrentino

8:00 AM  
University Hospital Leipzig Leipzig Germany
Live Case Operators: Sven Braunlich, Manuela Matschuck, Dierk Scheinert, Andrej Schmidt, Mathias Ulrich

9:00 AM  
University Hospital Leipzig Leipzig Germany
Live Case Operators: Sven Braunlich, Manuela Matschuck, Dierk Scheinert, Andrej Schmidt, Mathias Ulrich

10:00 AM - 12:00 PM
Session II. Live Cases: SHD
Live Case Moderators: Ted Feldman
Live Case Co Moderators: Hüseyin Ince
Live Case Discussants: Alain G. Cribier, Paolo Denti, Chandan Devireddy, Mackram F. Eleid, Stephen H. Little, Gonesh Manoharan, Josep Rodés-Cabau, Joachim Schofer, Dee Dee Wang
Factoid Faculty: Matthew T Finn, Amirali Masoumi, Masahiko Noguchi, Evan Shlofmiz, Sabato Sorrentino

10:00 AM
Heart Center Bonn University Hospital Bonn Germany
Live Case Operators: Eberhard Grube, Georg Nickenig

11:00 AM
St Pauls HospitalVancouver BC Canada
Live Case Operators: Anson Cheung, John G. Webb

**LIVE CASE THEATER VI, MONDAY, SEPTEMBER 24**

**MONDAY, SEPTEMBER 24, 2018**

2:00 PM - 6:00 PM  
Ballroom 20, Upper Level

2:00 PM - 4:00 PM
Session I. Live Cases: Imaging/CTO/CHIP
Live Case Moderators: George D. Dangas
Live Case Co Moderators: Stephen G. Worthley
Factoid Faculty: Amirali Masoumi, Masahiko Noguchi, Megha Prasad, Evan Shlofmiz, Eisuke Usui

2:00 PM
St Francis Hospital Long Island NY Imaging
Live Case Operators: Allen Jeremias, Richard Shlofmitz
Live Case Guest Operators: Jeffrey W. Moses

3:00 PM
NYPHColumbia University Medical Center New York NY CTOCHIP
Live Case Operators: Michael Collins, Rebecca T. Hohn, Dimitri Karmpaliotis, Nicholas J. Lembo, Manish A. Parikh

4:00 PM - 6:00 PM
Session II. Live Cases: CHIP/Imaging
Live Case Moderators: Paul S. Teirstein
Live Case Co Moderators: Marton J. Kern
Live Case Discussants: Carlo Di Mario, Alfredo R. Galassi, Lei Ge, Paul Hsien-Li Kao, Tullio Palmerini, David G. Rizik, Richard A. Schatz, Ashok Seth, Jassvinder Singh
Factoid Faculty: Amirali Masoumi, Masahiko Noguchi, Megha Prasad, Evan Shlofmiz, Eisuke Usui

4:00 PM
St Francis Hospital Long Island NY CHIP
Live Case Operators: Allen Jeremias, Richard Shlofmitz
Live Case Guest Operators: Jeffrey W. Moses

5:00 PM
NYPHColumbia University Medical Center New York NY
Live Case Operators: Ziad A. Ali, Dimitri Karmpaliotis, Nicholas J. Lembo, Manish A. Parikh

**KEYNOTE INTERVENTIONAL STUDIES VII: STRUCTURAL HEART INTERVENTIONS II**

**MONDAY, SEPTEMBER 24, 2018**

8:00 AM - 9:00 AM  
Ballroom 6A, Upper Level
**Keynote Interventional Studies VII: Structural Heart Interventions II**
Moderators: Charles J. Davidson, Francesco Maisano
Discussants: Stephan Baldus, Anthony A. Bavry, Peter C. Block, Joseph Carozza, Howard C. Herrmann, Vinod H. Thourani, E. Murat Tuzcu, Mathew Williams

8:00 AM  **TENDYNE Transcatheter Mitral Prosthesis: Long term Results From the First 100 Patients Enrolled in the Global Feasibility Study**

Lecturers: Paul Sorajja

8:10 AM  Discussion

8:15 AM  **SAPIEN M3 Transcatheter Mitral Valve Replacement System: 30 Day Outcomes From the US Early Feasibility Study**

Lecturers: Raj Makkar

8:25 AM  Discussion

8:30 AM  **DIRECT: A Randomized Trial Evaluating Predilatation Prior to Implantation of a Self Expanding Transcatheter Heart Valve in Patients With Severe Aortic Stenosis**

Lecturers: Konstantinos Toutouzas

8:40 AM  Discussion

8:45 AM  **CENTER Collaboration II: Incidence Predictors and Outcomes of Stroke in Patients Undergoing Transcatheter Heart Valve Implantation for Severe Aortic Stenosis**

Lecturers: Wieneke Vlastra

8:55 AM  Discussion

---

**KEYNOTE INTERVENTIONAL STUDIES VIII: PHARMACOTHERAPY TRIALS AND HIGH BLEEDING RISK PATIENTS**

MONDAY, SEPTEMBER 24, 2018
9:00 AM - 10:00 AM
Ballroom 6A, Upper Level

9:00 AM - 10:00 AM  **Keynote Interventional Studies VIII: Pharmacotherapy Trials and High Bleeding Risk Patients**
Moderators: Dominick J. Angiolillo, Neal S. Kleiman
Discussants: Tayo A. Addo, Dimitrios Alexopoulos, Dmitriy N. Feldman, Efrain Gaxiola, Hyeon-Cheol Gwon, Kurt Huber, Norman E. Lepor, Thomas D. Stuckey

9:00 AM  **GLOBAL LEADERS: A Randomized Trial of Ticagrelor Monotherapy After PCI Patient Oriented Clinical Outcomes and Net Adverse Cardiovascular Events**

Lecturers: Patrick W. Serruys

9:10 AM  Discussion

9:15 AM  **HEALING AMI: A Randomized Trial of Ticagrelor to Improve Left Ventricular Remodeling in ST Segment Elevation Myocardial Infarction**

Lecturers: Yongwhi Park

9:25 AM  Discussion

9:30 AM  **SECURE PCI: Impact of Timing of Atorvastatin Loading Dose in Patients Undergoing PCI for Acute Coronary Syndromes**

Lecturers: Renato D. Lopes

9:40 AM  Discussion

9:45 AM  **EVOLVE SHORT DAPT: Three Month Outcomes on Dual Antiplatelet Therapy in a High Bleeding Risk Population Treated With a Bioresorbable Polymer Based Drug Eluting Stent**

Lecturers: Ajay J. Kirtane

9:55 AM  Discussion

---

**KEYNOTE INTERVENTIONAL STUDIES IX: FOUR FASCINATING AND VERY DIFFERENT STUDIES**

MONDAY, SEPTEMBER 24, 2018
1:00 PM - 2:00 PM
Ballroom 6A, Upper Level

1:00 PM - 2:00 PM  **Keynote Interventional Studies IX: Four Fascinating and Very Different Studies**

1:00 PM  **REDUCE HTN: REINFORCE: A Sham Controlled Off Med Randomized Trial of Renal Denervation for Treatment of Hypertension**

Lecturers: Michael A. Weber

1:10 PM  Discussion

1:15 PM  **ARCUS: Comprehensive Assessment of Upper Extremity Function After Transradial PCI**
1:25 PM Discussion

1:30 PM TAKOTSUBO SWEDHEART: Effects of Pharmacological Interventions on Mortality in Patients With Takotsubo Syndrome
Lecturers: Elmir Omerovic

1:40 PM Discussion

1:45 PM CEREBRIA 1: Machine Learning vs Expert Human Opinion to Determine Physiologically Optimized Coronary Revascularization Strategies
Lecturers: Justin E. Davies

1:55 PM Discussion

DIDACTIC SESSION: PHYSIOLOGIC LESION ASSESSMENT AND INTERVENTIONAL PLANNING

MONDAY, SEPTEMBER 24, 2018
8:00 AM - 12:00 PM
Room 2, Upper Level

8:00 AM - 9:00 AM
Session I. Non-invasive Imaging to Guide Revascularization
Moderators: Pamela S. Douglas, Javier Escaned
Discussants: Colin Berry, Nick Curzen, Paul Knaapen, Ran Kornowski, Eike Nagel, Robert D. Safian

8:00 AM Physiology Case Vignette 1: Pulling the FFCT RIPCORD
Case Presenter: Nick Curzen

8:05 AM Relative Diagnostic performance of Non Invasive Tests Versus FFR: The PACIFIC Study
Lecturers: Paul Knaapen

8:13 AM FFRT: From PLATFORM to PRECISE
Lecturers: Pamela S. Douglas

8:21 AM FFRT: Interactive Virtual Stenting and DECISION
Lecturers: Gregg W. Stone

8:29 AM FFRT in Everyday Practice TODAY: A How to Guide
Lecturers: Robert D. Safian

8:37 AM Cardiac MRI as Physiologic Gatekeeper: The MR INFORM Trial
Lecturers: Colin Berry

8:45 AM Physiology Case Vignette 2: Angiography Derived FFR
Case Presenter: Ran Kornowski

8:50 AM Roundtable Discussion With Audience QA

9:00 AM - 10:00 AM
Session II. Fractional Flow Reserve (FFR) to Guide Revascularization
Moderators: William F. Fearon, Nils Johnson
Discussants: Jung-Min Ahn, Thomas Engstroem, Habib Samady, Arnold Seto, Eric Van Belle, Frederik M. Zimmermann

9:00 AM Physiology Case Vignette 3: FFR Guidance in Multivessel Disease
Case Presenter: Eric Van Belle

9:05 AM Can FFR Guided PCI Reduce Death and MI
Lecturers: Frederik M. Zimmermann

9:15 AM FFR Artifacts Failures and Troubleshooting
Lecturers: Thomas Engstroem

9:25 AM Physiology Case Vignette 4: FFR Assessment of a Non ACS Culprit Lesion
Case Presenter: Niels van Royen

9:30 AM FFR in Non Culprit ACS Lesions: What To Do Before FULL REVASC
Lecturers: Felix Bohm

9:40 AM FFR After PCI: Should We REACT
Lecturers: Zsolt Piroth

9:50 AM Roundtable Discussion With Audience QA

10:00 AM - 11:00 AM
Session III. Resting Physiology to Guide Revascularization
Moderators: Justin E. Davies, Matthias Götberg
Discussants: Leandro I Lasave, Samer Mansour, Sukhjinder S Nijjer, Seung-Jung Park, Andrew Sharp
10:00 AM  
Physiology Case Vignette 5: Utilization of iFR in Complex PCI  
Case Presenter: Seung-Jung Park

10:05 AM  
Is iFR Guided Revascularization Effective and Cost Saving  
Lecturers: Matthias Götberg

10:15 AM  
Diastolic Pressure Ratios dPR: Implications for Physiology and Practice  
Lecturers: Nils Johnson

10:25 AM  
Physiology Case Vignette 6: Tandem Lesions  
Lecturers: Andrew Sharp

10:30 AM  
Pullback Assessment At Rest: Spot the Problem  
Lecturers: Justin E. Davies

10:40 AM  
Clinical Conundrum: When Resting and Hyperemic Pressure Indices Disagree  
Lecturers: Tim P. van de Hoef

10:50 AM  
Roundtable Discussion With Audience QA

11:00 AM - 12:00 PM  
Session IV. Invasive Flow Assessment to Guide Revascularization  
Moderators: Morton J. Kern, Jan J. Piek  
Discussants: Rasha Al-Lamee, Giuseppe De Luca, Ole Fröbert, Zsolt Piroth, Afzalur Rahman, Tim P. van de Hoef

11:00 AM  
Physiology Case Vignette 7: Combined PressureFlow in Practice  
Case Presenter: Morton J. Kern

11:05 AM  
When Pressure and Flow Disagree: The DEFINE FLOW Trial  
Lecturers: Jan J. Piek

11:15 AM  
Absolute Flow and Resistance as an Everyday Tool: Technique and Applications

11:25 AM  
Physiology Case Vignette 8: IMR Made the Diagnosis  
Case Presenter: Afzalur Rahman

11:30 AM  
Utility of IMR in Stable Angina and in STEMI Culprits  
Lecturers: William F. Fearon

11:40 AM  
Assessing Chest Pain With Invasive Physiology: Lessons From Orbita and Other Studies  
Lecturers: Rasha Al-Lamee

11:50 AM  
Roundtable Discussion With Audience QA

DIDACTIC SESSION: THE CTO SUMMIT, PART 1: EVIDENCE. TECHNIQUE, AND PROGRAM BUILDING

MONDAY, SEPTEMBER 24, 2018  
8:00 AM - 12:00 PM  
Room 5, Upper Level

8:00 AM - 9:00 AM  
Session I. CTO PCI in 2018: Controversial Data and Debates  
Moderators: John A. Spertus, Robert W. Yeh  
Discussants: Evald H. Christiansen, Carlo Di Mario, J. Aaron Grantham, Seung-Hwan Lee, Barry D. Rutherford, Gerald S. Werner

8:00 AM  
Data Analysis: The Big Three Trials Decision CTO EURO CTO OPEN CTO  
Lecturers: Ajay J. Kirtane

9:00 AM - 10:30 AM  
Session II. Procedural Basics  
Moderators: Alfredo R. Galassi, R. Michael Wyman  
Discussants: Ravi S. Hira, Uming Imre, Arun Kalyanasundaram, Arasi Maran, Mitul Patel, Shigeru Saito, Masahisa Yamane

9:00 AM  
The 2018 Essential Toolbox for CTO PCI: Wires Micro Catheters and Other Ancillary Devices  
Lecturers: Robert F. Riley

9:10 AM  
Innovation in CTO PCI: Why Are We Getting Better

9:20 AM  
Roundtable Discussion With Audience QA

9:30 AM  
Basic Principles of Wire Manipulation  
Lecturers: William L. Lombardi

9:40 AM  
Roundtable Discussion With Audience QA

9:45 AM  
Angiogram Performance and Evaluation for the CTO Operator: Proximal Cap Distal Cap Lesion Length and Collateral Assessment  
Lecturers: Margaret B. McEntegart
9:55 AM Roundtable Discussion With Audience QA

10:00 AM Contemporary Antegrade Dissection and Re Entry: Step by Step Technique  
Lecturers: Ashish Pershad

10:10 AM Roundtable Discussion With Audience QA

10:15 AM The Retrograde Approach: Step by Step Instructions  
Lecturers: William Nicholson

10:25 AM Roundtable Discussion With Audience QA

10:30 AM - 12:00 PM
Session III. CTO Trouble Shooting and Algorithms for Success
Moderators: Javier Escaned, Gerald S. Werner
Discussants: Mauro Carlino, Omer Goktekin, Sanjog Kalra, Vincent On-Hing Kwok, S. Chiu Wong, Luiz Fernando Ybarra

10:30 AM Wire Crosses Proximal Cap but the Proximal or Distal Cap is Uncrossable or Undilatable: What Now  
Lecturers: Julian Strange

10:40 AM Roundtable Discussion With Audience QA

10:45 AM ADR is not Working: What Now  
Lecturers: Tony J. DeMartini

10:55 AM Roundtable Discussion With Audience QA

11:00 AM The Wire Has Crossed the Collateral but the Microcatheter Wont: Next Steps

11:10 AM Roundtable Discussion With Audience QA

11:15 AM The REVERSE CART is Not Working: What Now  
Lecturers: Masahisa Yamane

11:25 AM Roundtable Discussion With Audience QA

11:30 AM Hemodynamic Support for CTO PCI: Who When and How  
Lecturers: James M. McCabe

11:40 AM Roundtable Discussion With Audience QA

11:45 AM Failing with Style: The Concept of the Sub Intimal Plaque Modification SPM and STAR With Deferred Stenting  
Lecturers: Patrick J Golecki

11:55 AM Roundtable Discussion With Audience QA

---

DIDACTIC SESSION: TRANSCATHETER MITRAL VALVE THERAPIES, PART 2 - TRANSCATHETER MITRAL VALVE REPLACEMENT (TMVR)

MONDAY, SEPTEMBER 24, 2018
8:00 AM - 12:15 PM
Room 1, Upper Level

8:00 AM - 8:57 AM
Session I. TMVR Patient Selection/Trial Design
Moderators: David H. Adams, Shmuel Banai

8:00 AM TMVR for Secondary MR: Why Elimination of MR Can Be Beneficial  
Lecturers: William T. Abraham

8:07 AM Why TMVR for Secondary MR May Not Be Enough: Its a Disease of the Left Ventricle Not the Mitral Valve  
Lecturers: JoAnn Lindenfeld

8:14 AM The Essentials of CT Imaging for TMVR  
Lecturers: Jonathan A. Leipsic

8:21 AM Adverse Outcomes in Early Feasibility TMVR Studies: Is it the Patient the Device or the Implant Technique  
Lecturers: Robert L. Smith

8:28 AM Transcatheter Repair or Replacement for Secondary MR Risk Benefit Analysis  
Lecturers: Jason H. Rogers

8:35 AM Should and Will COAPT Affect TMVR Trial Design and Patient Recruitment  
Lecturers: Michael J. Mack

8:42 AM Roundtable Discussion With Audience QA
Session II. Early TMVR Feasibility and Pivotal Trials
Moderators: Vinayak Bapat, David W.M. Muller
Discussants: Michael Argenziano, Gregory P. Fontana, Michael J. Mack, Bernard Prendergast, Jason H. Rogers, Rashmi Yadav

8:57 AM - 10:34 AM

Intrepid: Device Attributes Implant Procedure Clinical Results and APOLLO Design and Status
Lecturers: Michael J. Reardon

Tendyne: Device Attributes Implant Procedure Clinical Results and SUMMIT Design and Status
Lecturers: Gorav Alawadi

Tiara: Device Attributes Implant Procedure and Clinical Results
Lecturers: Shmuel Banai

HighLife: Device Attributes Implant Procedure and Clinical Results
Lecturers: Ruediger S. Lange

CardiAQ: Device Attributes Implant Procedure and Early Results
Lecturers: Molly Szerlip

Sapien M3: Device Attributes Implant Procedure and Early Results
Lecturers: Raj Makkar

Caisson: Device Attributes Implant Procedure and Early Results
Lecturers: Mathew Williams

CardioValve: Device Attributes Implant Procedure and Early Results
Lecturers: Francesco Maisano

Cephea: Device Attributes Implant Procedure and First in Human
Lecturers: Juan F. Granada

Altara: Device Attributes Implant Procedure and First in Human
Lecturers: Philippe Genereux

10:34 AM - 11:27 AM

The Panorama of Expected and Unexpected Complications of TMVR
Lecturers: Paul Sorajja

Case Presentation: Paravalvular Leak With Hemolysis
Case Presenter: Roger J. Laham

Case Presentation: Deterioration of LV Systolic FunctionWorsened Heart Failure Despite Successful TMVR
Case Presenter: Alfredo Trento

Case Presentation: Left Ventricular Outflow Tract Obstruction
Case Presenter: Jaffar M Khan

The LAMPOON Procedure: Description and Clinical Outcomes
Lecturers: Robert J. Lederman

Roundtable Discussion With Audience QA

11:27 AM - 12:15 PM

Session IV. TMVR Potpourri and Future Directions
Moderators: Howard C. Herrmann, Vinod H. Thourani
Discussants: Andrea Colli, Paul D. Mahoney, Thomas Modine, Maurizio Taramasso, Hendrik Treede, Alfredo Trento

Moving From Transapical to Transseptal Implantation: What Are the Technical and Anatomic Challenges and Will We Get There
Lecturers: Jason H. Rogers

Addressing the Hurdles: Emerging Devices and Novel Valve Designs
Lecturers: Vinayak Bapat

Approaches to Severe Mitral Annular Calcification: Transcatheter Repair or Replacement
Lecturers: Mayra Guerrero

Update on Valve in Valve and Valve in Ring Outcomes
Lecturers: Danny Dvir

Roundtable Discussion and Wrap Up

DIDACTIC SESSION: VASCULAR ACCESS AND INTERVENTION: RADIAL ACCESS AND BEYOND
### 8:00 AM - 9:00 AM

**Session I. Step by Step Fundamentals  Radial and Ulnar Approach**  
Moderators: Olivier F. Bertrand, Sunil V. Rao  
Discussants: Pierfrancesco Agostoni, Mirvat Alasnag, Binita Shah, Adhir Shroff, Jennifer A. Tremmel, Mladen I. Vidovich

<table>
<thead>
<tr>
<th>Time</th>
<th>Presentation</th>
<th>Lecturers</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 AM</td>
<td>Radial Access Techniques Including LDTRA and Emerging Large Bore</td>
<td>Rajiv Gulati</td>
</tr>
<tr>
<td>8:12 AM</td>
<td>Distal Radial vs Transradial Access Success and Complications: The DATA Study</td>
<td>Sanjay Kumar Chugh</td>
</tr>
<tr>
<td>8:20 AM</td>
<td>Strategies to Traverse the Arm and Chest Vessels</td>
<td>Robert J. Applegate</td>
</tr>
<tr>
<td>8:28 AM</td>
<td>Radial Access and CHIP: Are They Compatible</td>
<td>Prashant Kaul</td>
</tr>
<tr>
<td>8:36 AM</td>
<td>Special Populations for Radial Access: Post mastectomy ESRD and Shock</td>
<td>Ian C. Gilchrist</td>
</tr>
<tr>
<td>8:44 AM</td>
<td>Ulnar Access: Why When and How</td>
<td>Sunil V. Rao</td>
</tr>
<tr>
<td>8:52 AM</td>
<td>Roundtable Discussion With Audience QA</td>
<td></td>
</tr>
</tbody>
</table>

### 9:00 AM - 10:00 AM

**Session II. Femoral and Alternative Access**  
Moderators: James M. McCabe, Toby Rogers  
Discussants: Robert J. Applegate, David Daniels, Adam B. Greenbaum, Cindy L. Grines, Zachary Steinberg, Jennifer A. Tremmel

<table>
<thead>
<tr>
<th>Time</th>
<th>Presentation</th>
<th>Lecturers</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:00 AM</td>
<td>Primer on Ultrasound Guided Arterial Access Radial Ulnar LDTRA Femoral and Pedal: A Primer</td>
<td>Kate E. Kearney</td>
</tr>
<tr>
<td>9:10 AM</td>
<td>Large Bore Femoral Access and Pre Closure</td>
<td>Curtiss T. Stinis</td>
</tr>
<tr>
<td>9:20 AM</td>
<td>Primer on Transcaval Access</td>
<td>Jaffar M Khan</td>
</tr>
<tr>
<td>9:30 AM</td>
<td>Primer on Percutaneous Axillary</td>
<td>Rajiv Tayal</td>
</tr>
<tr>
<td>9:40 AM</td>
<td>Addressing the Achilles Heel of Each Alternative Access Method</td>
<td>James M. McCabe</td>
</tr>
<tr>
<td>9:50 AM</td>
<td>Roundtable Discussion With Audience QA</td>
<td></td>
</tr>
</tbody>
</table>

### 10:00 AM - 11:00 AM

**Session III. Bleeding and Closure**  
Moderators: Kimberly A. Skelding, Robert W. Yeh  
Discussants: Mirvat Alasnag, Rodrigo Bagur, Perwaiz M. Meroj, Christopher Pyne, Sunil V. Rao, Jeffrey M. Schussler

<table>
<thead>
<tr>
<th>Time</th>
<th>Presentation</th>
<th>Lecturers</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:00 AM</td>
<td>Radial Hemostasis and Preserving Radial Patency</td>
<td>Samir B. Pancholy</td>
</tr>
<tr>
<td>10:10 AM</td>
<td>Current Generation Closure Devices How Do They Work Are There Any Data to Compare Them</td>
<td></td>
</tr>
<tr>
<td>10:20 AM</td>
<td>Closure Devices vs Manual Pressure for Standard Sheaths Radial and Femoral What Are the Data</td>
<td>Robert W. Yeh</td>
</tr>
<tr>
<td>10:30 AM</td>
<td>Update on Next Generation Closure Devices</td>
<td>Christopher U. Meduri</td>
</tr>
<tr>
<td>10:40 AM</td>
<td>Do Femoral Skills Suffer at High Volume Radial Centers</td>
<td>Pinak B. Shah</td>
</tr>
<tr>
<td>10:50 AM</td>
<td>Roundtable Discussion With Audience QA</td>
<td></td>
</tr>
</tbody>
</table>

### 11:00 AM - 12:00 PM

**Session IV. Access Site Complications: Tips and Tricks**  
Moderators: Fernanda Nunez, Binita Shah  
Discussants: Usman Baber, Yuji Ikari, Duane S. Pinto, Sheila Sahni, Yader Sandoval, Arnold Seto
11:00 AM  Femoral Access Nightmares: Dealing With Complications  
Lecturers: Itshac Itsik Ben-dor

11:10 AM  I Have Large Bore Femoral Access But the Patient Has No Distal Perfusion  
Lecturers: Amir Kaki

11:20 AM  Dealing With Radial and Ulnar Access Site Complications  
Lecturers: Mauricio G. Cohen

11:30 AM  My Closure Device Didnt Work What Now  
Lecturers: Khaldoon Alaswad

11:40 AM  Can I Put a Covered Stent Across This Joint Space or Do I Need to Call a Surgeon  
Lecturers: Ehrin J. Armstrong

11:50 AM  Roundtable Discussion With Audience QA

---

**DIDACTIC SESSION: INTERVENTIONAL THERAPIES FOR ARTERIAL HYPERTENSION - RENAL DENERVATION AND BEYOND**

**MONDAY, SEPTEMBER 24, 2018**

**2:00 PM - 6:15 PM**

Room 6D, Upper Level

---

**2:00 PM - 2:50 PM**

**Session I. Hypertension 2018 Update**

Moderators: Vasilios Papademetriou, Paul A. Sobotka
Discussants: Chee Tang Chin, Gerardo Payro, C. Venkata S. Ram, Kintur Sanghvi, Stephen C. Textor, Mitchell Weinberg

- 2:00 PM  Hypertension 2018 Update: From Ambulatory Monitoring to Definitional Controversies and More  
  Lecturers: Michael A. Weber

- 2:10 PM  2018 European Guidelines and Perspectives on Hypertension  
  Lecturers: Adam Witkowski

- 2:17 PM  Have the New US Hypertension Guidelines and Treatment Targets Meaningfully Changed Care Pathways and Practice  
  Lecturers: Paul A. Sobotka

- 2:24 PM  Uncontrolled Hypertension or Non Compliant Patient Assessment Scope of the Problem and Implications  
  Lecturers: C. Venkata S. Ram

- 2:31 PM  Clinically Effective Strategies for Blood Pressure Control in 2018  
  Lecturers: Atul Pathak

- 2:38 PM  Roundtable Discussion With Audience QA

---

**2:50 PM - 3:35 PM**

**Session II. Management of Hypertension: Treatment Options**

Moderators: Mark C. Bates, Bernard J. Gersh
Discussants: Herbert D. Aronow, Michael Böhm, Justin E. Davies, Franz X. Kleber, Melvin D. Lobo, Farrell O. Mendelsohn

- 2:50 PM  Potential Interventions for Hypertensive Patients With HFpEF  
  Lecturers: Franz X. Kleber

---

**3:35 PM - 5:20 PM**

**Session III. Renal Denervation in 2018: What Have We Learned?**

Moderators: Thomas F. Luscher, Felix Mahfoud
Lecturers: Wojtek Wojakowski
Discussants: Atul Pathak, Ivo Petrov, Krishna J. Rocho-Singh, Robert L. Wilensky, Adam Witkowski

- 3:35 PM  Results and Update From the SPYRAL Hypertension Program OFF MED and ON MED Trials  
  Lecturers: David E. Kandzari

- 3:45 PM  Results and Update From the Paradise Hypertension Program OFF MED and ON MED Studies  
  Lecturers: Ajay J. Kirtane

- 3:55 PM  Results and Update From the Vessix RE INFORCE Program  
  Lecturers: Martin B. Leon

- 4:03 PM  Alcohol Mediated Renal Denervation  Current Status and US Pivotal Trial Plans  
  Lecturers: Felix Mahfoud

- 4:10 PM  Clinical Trials All Look Positive: Is Renal Denervation Ready for Clinical Practice Now  
  Lecturers: Chandan Devireddy

- 4:17 PM  Roundtable Discussion With Audience QA

- 4:30 PM  Trials in Renal Denervation: How Much Blood Pressure Reduction is Enough  
  Lecturers: Thomas F. Luscher
4:37 PM  Who are the Ideal Candidates for Renal Denervation  
Lecturers: Andrew Sharp

4:44 PM  Predicting Responders vs Non Responders How to Solve the Unmet Need  
Lecturers: Justin E. Davies

4:51 PM  Sensing Renal Nerve Activity Before During and After Denervation: Autonomix  
Lecturers: Robert S. Schwartz

4:58 PM  Sensing Renal Nerve Activity Before During and After Denervation: SyMap  
Lecturers: Jie Wang

5:05 PM  Roundtable Discussion With Audience QA

5:20 PM - 6:15 PM  Session IV. Device-Based Hypertension Therapies Beyond Renal Denervation
Moderators: Mark C. Bates, Farrell O. Mendelsohn  
Discussants: Steven L. Almany, Stefan C. Bertog, Daniel Burkhoff, Joost Daemen, Piotr Jankowski, Christian Ukena

5:20 PM  Targets for Device Based Hypertension Treatments Beyond the Kidneys: Physiology Revisited  
Lecturers: Farrell O. Mendelsohn

5:28 PM  Carotid Body Endovascular Baroreflex Amplification Vascular Dynamics MobiusHD: Current Status  
Lecturers: Gregg W. Stone

5:36 PM  Transcatheter Carotid Body Denervation Cibiem: Extended Follow Up and Future Directions  
Lecturers: Felix Mahfoud

5:44 PM  AV Fistula Creation ROX Coupler: Efficacy and Safety Results  
Lecturers: Krishna J. Roche-Singh

5:52 PM  Pacemaker Mediated Hypertension Treatment BackBeat: First in Man Results and Ongoing Plans  
Lecturers: Daniel Burkhoff

6:00 PM  Roundtable Discussion With Audience QA

DIDACTIC SESSION: LEFT ATRIAL APPENDAGE CLOSURE IN NONVALVULAR ATRIAL FIBRILLATION

MONDAY, SEPTEMBER 24, 2018  
2:00 PM - 6:00 PM  
Room 2, Upper Level

2:00 PM - 3:20 PM  
Session 1: Decisions and Practical Considerations  
Moderators: James B. Hermiller Jr, David Hildick-Smith  
Discussants: Stefan C. Bertog, Patrick A. Calvert, Ted Feldman, Sameer Gafoor, Petr Neužil

2:00 PM  Stroke Etiology LAA Closure and the Therapeutic Landscape: A Neurologists Perspective  
Lecturers: David E. Thaler

2:10 PM  Debate: Is LAA Closure a Valid Alternative for Patients With No or Mild Contraindications to Anticoagulants No NOACs Are Strongly Preferred to LAA Closure  
Lecturers: Freek W.A. Verheugt

2:18 PM  Debate: Is LAA Closure a Valid Alternative for Patients with No or Mild Contraindications to AnticoagulantsYes LAA Closure Reduces Hemorrhagic Stroke and Mortality And Nearly Everyone Has a Reason Not to Take Oral Anticoagulants  
Lecturers: David R. Holmes Jr.

2:26 PM  Shared Decision making in NVAF: The Patients Perspective  
Lecturers: Megan Coylewright

2:34 PM  Roundtable Discussion With Audience QA

2:44 PM  Essential of Pre procedural Imaging and Intra procedural Guidance  
Lecturers: Jacqueline Saw

2:54 PM  Adjunctive Pharmacology Following LAA Closure in Anticoagulant Indicated and Contraindicated Patients  
Lecturers: Martin W. Bergmann

3:02 PM  Managing a Busy LAA Closure Program: Patient Selection Education Consent Screening and Periprocedural Care  
Lecturers: George S. Hanzel

3:10 PM  Roundtable Discussion With Audience QA

3:20 PM - 4:36 PM  
Session 2: Ongoing Investigations in LAA Closure  
Moderators: Vivek Y. Reddy, Brian K. Whisenant
3:20 PM The LAOO Registry: Overview Data Adjudication and Emerging Insights  
Lecturers: Paul D. Varosy

3:30 PM Real World Watchman Experience: Safety and Outcomes From The LAOO Registry  
Lecturers: Zoltan G. Turi

3:40 PM FDA Perspectives on New Devices and Indications for LAA Closure  
Lecturers: Andrew Farb

3:50 PM The Watchman Platform ASAP Too and Flex: Rationale Device and Overview of the Trials  
Lecturers: Vivek Y. Reddy

4:00 PM The Amulet Platform Experience and US Pivotal Trial  
Lecturers: Apostolos Tzikas

4:10 PM The WaveCrest Device and US Pivotal Trial  
Lecturers: Gregg W. Stone

4:18 PM The Watch TAVR Trial: Rationale Design and Status  
Lecturers: Samir R. Kapadia

4:26 PM Roundtable Discussion With Audience QA

4:36 PM - 6:00 PM Session 3: Established and Emerging Devices  
Moderators: Saibal Kar, Horst Sievert  
Discussants: Philippe Garot, Jan Kovac, Ashish Pershad, Ramon Quesada, Peter B. Sick, Brian K. Whisenant

4:36 PM Optimal Technique and Tips for Watchman Implantation  
Lecturers: Saibal Kar

4:46 PM Optimal Technique and Tips for Amulet Implantation  
Lecturers: Horst Sievert

4:56 PM Cardia: Differentiating Features Technique and Outcomes  
Lecturers: Josep Rodés-Cabau

5:06 PM SeaLA: Differentiating Features Technique and Outcomes  
Lecturers: Kolja Sievert

5:16 PM Epicardial LAA closure: From Surgical Results to Transpericardial Applications  
Lecturers: Krzysztof Bartus

5:26 PM The Big Picture: Choosing the Right Device for the Right Anatomy  
Lecturers: Horst Sievert

5:36 PM LAA Closure: Challenging Case Vignettes  
Case Presenter: Reda Ibrahim

5:46 PM Roundtable Discussion with Audience QA

DIDACTIC SESSION: STEMI, CARDIAC ARREST, AND CARDIOGENIC SHOCK

MONDAY, SEPTEMBER 24, 2018  
2:00 PM - 6:05 PM  
Room 1, Upper Level

2:00 PM Session I: Coronary Flow: No Reflow and Infarct Size in STEMI  
Moderators: Stefan K. James, Morton J. Kern  
Discussants: Sorin J. Brener, Rajiv Gulati, Neal S. Kleiman, Dharam J. Kumbhani, Graham Nichol, Divaka Perera

2:00 PM Device Versus Drug Based Approaches to Limit No Reflow in STEMI  
Lecturers: Mauricio G. Cohen

2:07 PM The Role of FFR iFR IMR and WIA in Evaluating Culprit Lesion and Vessel Flow In STEMI  
Lecturers: Kolpa De Silva

2:14 PM Recognition Diagnosis and Management of Spontaneous Coronary Artery Dissection  
Lecturers: Jacqueline Saw

2:21 PM Case Presentation 1: No Reflow After Primary PCI  
Case Presenter: Nima Aghili

2:28 PM Devices to Reduce Infarct Size in STEMI  
Lecturers: Gregg W. Stone

2:35 PM Mechanisms and Treatment Options for MINOCA
2:54 PM - 3:46 PM
Session II. Multivessel PCI in STEMI
Moderators: Anthony H. Gershlick, Pieter C. Smits

2:54 PM  Rationale and Data for Multivessel PCI in STEMI
Lecturers: Stefan K. James

3:01 PM  Management of Non Culprit CTO in STEMI
Lecturers: Emmanuel S. Brilakis

3:08 PM  The Role of FFR iFR and iMR in Assessing Non Culprit Lesions and Vessels in STEMI
Lecturers: Joo Myung Lee

3:15 PM  Flash Debate 1: Based on What We Know  Routine Multivessel Revascularization Acute or Delayed Is the Preferred Strategy
Lecturers: Thomas Engstroem

3:21 PM  Flash Debate 1: Based on What We Dont Know  Culprit Lesion Only PCI With a Conservative Approach Is the Preferred Strategy
Lecturers: Deepak L. Bhatt

3:27 PM  Case Presentation 2: A High Risk Complex Patient With STEMI and Multivessel Disease
Lecturers: Marwan F. Jumean

3:34 PM  Roundtable Discussion with Audience QA

3:46 PM - 5:19 PM
Session III. Cardiogenic Shock
Moderators: Vladimir Dzavik, Richard Smalling
Discussants: Ramesh K. Adiraju, Nicola Corvaja, Alice K. Jacobs, Sanjog Kalra, John A. McPherson, Barry D. Rutherford

Lecturers: Navin K. Kapur

3:54 PM  Hemodynamic Support: Which Device for Which Patient and Why
Lecturers: Daniel Burkhoff

4:02 PM  Using Hemodynamics to Guide Decision Making in Cardiogenic Shock
Lecturers: Salvatore F Mannino

4:10 PM  Door to Support: The New Metric for Success With Cardiogenic Shock
Lecturers: William W. O'Neil

4:18 PM  Hub and Spoke Strategies for Cardiogenic Shock: What are the Essential Elements
Lecturers: Holger Thiele

Lecturers: Michael Mooney

Lecturers: Perwaiz M. Meraj

4:40 PM  Case Presentation 3: STEMI With Cardiogenic Shock and No Simple Options for MCS
Case Presenter: Biswajit Kar

4:40 PM  Post Cath Lab Management of Shock: Whats the Role of the Interventionalist
Lecturers: Michael J. Lim

4:56 PM  Essential Elements for a Contemporary Shock Trial
Lecturers: James E. Udelson

5:04 PM  Roundtable Discussion with Audience QA

5:19 PM - 6:05 PM
Session IV. Cardiac Arrest
Moderators: Greg Couper, Navin K. Kapur
Discussants: David A Baran, Jason Neil Katz, Michel R. Le May, Robert T. Pyo, Ivan C. Rokos, Christian M. Spaulding

5:19 PM  To Cath or Not to Cath in OHCA: Data and Decision Making Criteria
Lecturers: Christian M. Spaulding

5:26 PM  Hemodynamic Support and Hypothermia Strategies for Cardiac Arrest
Lecturers: Michael Mooney

5:34 PM  Flash Debate 3: VA ECMO Is Best Implemented by the Interventionalist
Lecturers: Sandeep Nathan

5:40 PM  Flash Debate 3: VA ECMO Is Best Implemented by the Cardiac Surgeon
Lecturers: Hiroo Takayama
### Case Presentation 4: OHCA With Uncertain Neurologic Status

**Case Presenter:** Tanveer Rab

---

**Roundtable Discussion with Audience QA**

---

## Didactic Session: The CTO Summit, Part 2: Complications

**Monday, September 24, 2018**

2:00 PM - 6:00 PM

Room 5, Upper Level

---

### Session I. How to Handle Disaster

**Moderators:** Jonathan M. Hill, William L. Lombardi  
**Discussants:** Leszek Bryniarski, M. Nicholas Burke, Lei Ge, Paul Hsien-Li Koo, Hyo-Soo Kim, William Nicholson

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>2:00 PM</td>
<td>Complication Lessons From the PROGRESS CTO Registry</td>
</tr>
<tr>
<td></td>
<td><strong>Lecturers:</strong> Iosif Xenogiannis</td>
</tr>
<tr>
<td>2:10 PM</td>
<td>Roundtable Discussion With Audience QA</td>
</tr>
<tr>
<td>2:15 PM</td>
<td>Complication Lessons From OPEN CTO</td>
</tr>
<tr>
<td></td>
<td><strong>Lecturers:</strong> Adam C. Salisbury</td>
</tr>
<tr>
<td>2:25 PM</td>
<td>Roundtable Discussion With Audience QA</td>
</tr>
</tbody>
</table>

---

### Session II. Complication Management

**Moderators:** Jaikirshan Khatri, Georgios Sianos  
**Discussants:** Wissam Jaber, Vincent On-Hing Kwok, Sudhir Rathore, Satoru Sumitsui, Ling Tao, Minh N. Vo

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>2:00 PM</td>
<td>Managing Perforations I: Antegrade Wire or Device Exit How to Recognize and Options for Management</td>
</tr>
<tr>
<td></td>
<td><strong>Lecturers:</strong> Khaldoon Alaswad</td>
</tr>
<tr>
<td>2:10 PM</td>
<td>Roundtable Discussion With Audience QA</td>
</tr>
<tr>
<td>2:15 PM</td>
<td>Managing Perforations II: Perforation of the Target Vessel How to Avoid and Manage</td>
</tr>
<tr>
<td></td>
<td><strong>Lecturers:</strong> Farouc A Jaffer</td>
</tr>
<tr>
<td>2:25 PM</td>
<td>Roundtable Discussion With Audience QA</td>
</tr>
<tr>
<td>2:30 PM</td>
<td>Managing Perforations III: Retrograde Collateral Ruptures How to Avoid and Manage</td>
</tr>
<tr>
<td>2:40 PM</td>
<td>Roundtable Discussion With Audience QA</td>
</tr>
<tr>
<td>2:45 PM</td>
<td>Managing Perforations IV: Septal and Free Wall Adventures How to Recognize Avoid and Manage</td>
</tr>
<tr>
<td></td>
<td><strong>Lecturers:</strong> Scott Harding</td>
</tr>
<tr>
<td>2:55 PM</td>
<td>Roundtable Discussion With Audience QA</td>
</tr>
<tr>
<td>3:00 PM</td>
<td>Roundtable Discussion With Audience QA</td>
</tr>
<tr>
<td>3:10 PM</td>
<td>Managing Perforations V: The Post CABG Patient How to Avoid and Manage</td>
</tr>
<tr>
<td></td>
<td><strong>Lecturers:</strong> Robert F. Riley</td>
</tr>
<tr>
<td>3:25 PM</td>
<td>Roundtable Discussion With Audience QA</td>
</tr>
<tr>
<td>3:30 PM</td>
<td>Managing Perforations V: The Post CABG Patient How to Avoid and Manage</td>
</tr>
<tr>
<td></td>
<td><strong>Lecturers:</strong> Robert F. Riley</td>
</tr>
<tr>
<td>3:40 PM</td>
<td>Roundtable Discussion With Audience QA</td>
</tr>
<tr>
<td>3:45 PM</td>
<td>Managing Perforations V: The Post CABG Patient How to Avoid and Manage</td>
</tr>
<tr>
<td></td>
<td><strong>Lecturers:</strong> Darshan Doshi</td>
</tr>
<tr>
<td>3:55 PM</td>
<td>Roundtable Discussion With Audience QA</td>
</tr>
</tbody>
</table>

---

### Session III. Case-Based Complication Management: Learning From Others

**Moderators:** Etsuo Tsuchikane, Yuejin Yang  
**Discussants:** Kevin J. Croce, Javier Goicolea, Paul Knaapen, Margaret B. McIntegart, Lampros K. Michalis, Gennaro Sardella

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>4:00 PM</td>
<td>My Worst 2 Complications and What I Learned How to Recognize Avoid and Manage</td>
</tr>
<tr>
<td></td>
<td><strong>Case Presenter:</strong> Kate E. Kearney</td>
</tr>
<tr>
<td>4:15 PM</td>
<td>Roundtable Discussion With Audience QA</td>
</tr>
<tr>
<td>4:20 PM</td>
<td>My Worst 2 Complications and What I Learned How to Recognize Avoid and Manage</td>
</tr>
<tr>
<td></td>
<td><strong>Case Presenter:</strong> Andrea Gagnor</td>
</tr>
<tr>
<td>4:35 PM</td>
<td>Roundtable Discussion With Audience QA</td>
</tr>
</tbody>
</table>
4:40 PM  My Worst 2 Complications and What I Learned
4:55 PM  Roundtable Discussion With Audience QA

5:00 PM - 6:00 PM
Session IV. More Case-Based Complications
Moderators: M. Nicholas Burke, Paul Hsien-Li Kao
Discussants: Kefei Dou, Ahmed Elghamaz, Scott Harding, Masato Nakamura, Alexander Grigorievich Osiev, Bin Zhang

5:00 PM  My Worst 2 Complication That Were Preventable
Case Presenter: R. Michael Wyman
5:15 PM  Roundtable Discussion With Audience QA
5:20 PM  My Worst 2 Complications that I Saved
Case Presenter: Tony J. DeMartini
5:35 PM  Roundtable Discussion With Audience QA
5:40 PM  My Worst 2 Complications That The Patient Couldn't Recover From
Case Presenter: Steven P. Marso
5:55 PM  Roundtable Discussion With Audience QA

TCT ENDOVASCULAR: EXPERT CASE REVIEWS - COMPLICATIONS OF ENDOVASCULAR INTERVENTIONS
MONDAY, SEPTEMBER 24, 2018
12:15 PM - 1:45 PM
Room 31B-C, Upper Level

12:15 PM - 1:45 PM
Complications of Endovascular Interventions
Moderators: Sahil A. Panik, Virendra I Patel
Discussants: Herbert D. Aronow, J. Michael Bacharach, Robert M. Bersin, Jeffrey G. Carr, Bryan T. Fisher, Ethan C Korngold

12:15 PM  Case 1: Aorto Iliac Perforation
Case Presenter: Ehrin J. Armstrong
12:25 PM  Case 2: Look Out Below: Embolic Showers
Case Presenter: Peter L. Faries
12:35 PM  Case 3: Acute Occlusion and Dissection
Case Presenter: Nelson Bernardo
12:45 PM  Case 4: Worst Endoleak Ever
Case Presenter: Virendra I Patel
12:55 PM  Case 5: Carotid Stent Thrombosis
Case Presenter: Aman B. Patel
1:05 PM  Case 6: IVC Filter Embolization
Case Presenter: J. Stephen Jenkins
1:15 PM  Case 7: TEVAR Too Far
Case Presenter: Somjot S. Brar
1:25 PM  Case 8: The Worst Access Disaster
Case Presenter: J. Michael Bacharach
1:35 PM  Case 9: CLI Turns Into ALI
Case Presenter: Carlos I. Mena-Hurtado

TCT ENDOVASCULAR: EXPERT CASE REVIEWS - DEEP AND SUPERFICIAL VENOUS INTERVENTIONS
MONDAY, SEPTEMBER 24, 2018
12:15 PM - 1:45 PM
Room 30D-E, Upper Level

12:15 PM - 12:55 PM
Session I: Management of Deep Venous Disease
Moderators: Brian G. DeRubertis, Mahmood K. Razavi
Discussants: Teresa L. Carman, Anthony J. Comerota, Antonios P. Gasparis, Raghu Kolluri, Robert A. Lookstein, Brooke Spencer

12:15 PM  Chronic IVC Filter Occlusion: Aggressive Retrieval Techniques vs Recanalization With Case Reviews
How I Treat Femoral Vein Occlusions With Case Reviews
Lecturers: Brooke Spencer

Central Venous Stents: When Which Ones And How With Case Reviews
Lecturers: Mahmood K. Razavi

Choice and Duration of Antiplatelet and Anticoagulation Therapy After Venous Interventions With Case Reviews
Lecturers: Anthony J. Comerota

Endothermal Venous Ablation: Step By Step Approach and Avoiding Pitfalls With Case Reviews
Lecturers: Sanjiv Lakhanpal

Non Thermal Ablation of Superficial Axial Veins With Case Reviews
Lecturers: Raghu Kolluri

Management of Pelvic Congestion Syndrome With Case Reviews

Duplex Evaluation of Venous Reflux: Simple to Complex Case Examples
Lecturers: Teresa L. Carman

Venous Ulcer Management After Venous Ablation With Case Reviews
Lecturers: Raghu Kolluri

Acute Pulmonary Embolism: How Big Is the Problem and How to Start a PERT
Lecturers: Teresa L. Carman

Data for Lytic Therapy in Massive and Submassive Pulmonary Embolism
Lecturers: Akhilesh K. Sista

Emerging Catheter Based Techniques to Treat Acute Pulmonary Embolism
Lecturers: Robert A. Lookstein

When to Employ Advanced Therapies in PE
Lecturers: Jay S. Giri

Special Topic: What is the Role of Balloon Pulmonary Angioplasty for Treatment of CTEPH
Lecturers: Ehtisham Mahmud

Roundtable Discussion With Audience QA

Who Should Get an IVC Filter Review of the Guidelines
Lecturers: Akhilesh K. Sista

Overview of Current and Future IVC Filter Devices
Lecturers: Rahul S. Patel

Complications of IVC Filters: Spectrum Frequency Treatment and Avoidance Strategies

Tips and Tricks for Tough IVC Filter Retrievals
Lecturers: John Moriarty

Special Topic: What is Happening Nationally and What is the Future of IVC Filters
Lecturers: Robert A. Lookstein

Roundtable Discussion with Audience QA
HOT TOPIC LUNCH: FROM VALVES TO LIMBS...A PARADIGM FOR PARITY (SPONSORED BY THE ASSOCIATION OF BLACK CARDIOLOGISTS)

MONDAY, SEPTEMBER 24, 2018
12:15 PM - 1:45 PM
Room 23B-C, Upper Level

12:15 PM - 1:45 PM
From Valves to Limbs...A Paradigm for Parity
Moderators: Wayne B. Batchelor, Aaron Horne, Jr.
Discussants: Seun Alli, Foluso Fakorede, Uzoma Ibebuogu, Lee Kirksey, Roxana Mehran

12:15 PM Welcome and Opening Remarks
Lecturers: Wayne B. Batchelor

12:20 PM Diversity in the Interventional Workplace: Current Challenges and Opportunities
Lecturers: Roxana Mehran

12:30 PM TAVR: Where Are We Headed
Lecturers: Seun Alli

12:40 PM Should We Expand TAVR to Non Traditional Centers
Lecturers: Uzoma Ibebuogu

12:50 PM PAD: Overview of Current Management Strategies  Can We Do Better
Lecturers: Foluso Fakorede

1:00 PM Should There Be Regionalization of CLI management
Lecturers: Lee Kirksey

1:10 PM Clinical Research 101: How to Build a Successful Research Program in Private Practice
Lecturers: Wayne B. Batchelor

1:20 PM Roundtable Discussion with Audience QA

1:40 PM Closing Remarks and Take Home Messages
Lecturers: Wayne B. Batchelor

HOT TOPIC LUNCH: RADIATION MANAGEMENT IN THE INTERVENTIONAL ENVIRONMENT

MONDAY, SEPTEMBER 24, 2018
12:15 PM - 1:45 PM
Room 24A-B, Upper Level

12:15 PM - 1:45 PM
Radiation Management in the Interventional Environment
Moderators: Stephen Balter, Sanjog Kalra
Discussants: Patricia Adams, Edwin M. Leidholdt, Jr., Ryan D. Madder

12:15 PM Introduction: Radiation Safe for You and Your Patients
Lecturers: Stephen Balter

12:25 PM Staff Risk Management: Physician Concerns
Lecturers: Sanjog Kalra

12:35 PM Staff Risk Management: Physicist Responses
Lecturers: Edwin M. Leidholdt, Jr.

12:45 PM Roundtable Discussion With Audience QA

12:55 PM Patient Radiation Management: Physician Concerns
Lecturers: Sanjog Kalra

1:05 PM Patient Radiation Management: Physicist Responses
Lecturers: Stephen Balter

1:15 PM Radiation Management: Lessons Learned
Lecturers: Edwin M. Leidholdt, Jr.

1:25 PM The Future: Robotic PCI Suspended Lead Suits and Other Approaches to Reduce Radiation Exposure in The Cath Lab
Lecturers: Ryan D. Madder

1:35 PM Roundtable Discussion With Audience QA

COMPLEX INTERVENTIONS: EXPERT CASE REVIEWS - DIAGNOSIS AND MANAGEMENT OF HEAVILY CALCIFIED LESIONS
12:15 PM - 2:00 PM

Diagnosis and Management of Heavily Calcified Lesions
Moderators: Philippe Genereux, Ajay J. Kirtane
Discussants: Alaide Chieffo, Carlo Di Mario, Karel T. Koch, Richard A. Schatz, Sigmund Silber, Giora Weisz

12:15 PM Introduction: What Do We Hope to Learn from These Cases
Lecturers: Ajay J. Kirtane

12:19 PM Case 1: A Case of that Typifies Roto regret
Case Presenter: Fazila T. Malik

12:27 PM Case 2: A Case Demonstrating the Calcified Lesion for Which a Cutting or Scoring Balloon is Sufficient
Case Presenter: Sheila Sahni

12:35 PM Case 3: Two Quick Cases in Which Intravascular Imaging 1 Led me to Choose Atherectomy and 2 Directed me Away From Atherectomy
Case Presenter: John McB. Hodgson

12:43 PM Case 4: A Step by step Case of OCT guided Atherectomy
Case Presenter: Richard Shlofmitz

12:51 PM Case 5: A Case of Atherectomy in Severely Tortuous Anatomy
Case Presenter: Ramon Quesada

12:59 PM Case 6: Atherectomy in a Complex Calcified Left Main Trifurcation
Case Presenter: Afzalur Rahman

1:07 PM Case 7: A Surprising Case of Intravascular Lithotripsy
Case Presenter: Jonathan M. Hill

1:15 PM Case 8: A Case of a Stuck Burr With a Novel Solution
Case Presenter: Gert Richardt

1:23 PM Case 9: A Case of a Massive Rotablator Perforation
Case Presenter: Evan Shlofmitz

1:31 PM Case 10: A Case of Orbital Atherectomy for a Diffusely Disease Vessel
Case Presenter: Jeff Chambers

1:39 PM Case 11: A Perforation from Orbital Atherectomy
Case Presenter: Michael S. Lee

1:47 PM Case 12: A Case of In Stent Restenosis Due to a Markedly Under expanded Stent in a Severely Calcified Lesion
Case Presenter: Azeem Latib

1:55 PM Take home Message: What Did We Learn From These Cases

12:15 PM - 1:45 PM

Hypertrophic Cardiomyopathy and Septal Ablation
Moderators: Sherif F. Nagueh, Hubert Seggewiss

12:15 PM Introduction: What Do We Hope to Learn from These Cases
Lecturers: Hubert Seggewiss

12:20 PM Case 1: Severe LVOT Obstruction in a Symptomatic 20 Year Old Male Despite Maximized Medical Treatment
Case Presenter: Carey D. Kimmelstiel

12:30 PM Case 2: Septal Artery Rupture With Septal Infarction and Relief of LVOT Obstruction
Case Presenter: Francesco Pelliccia

12:40 PM Case 3: Third Degree AV Block After Ablation Requiring Upgrade from VVI to Dual Chamber Pacing
Case Presenter: Michael A. Fifer

12:50 PM Case 4: Severe Dyspnea in a Patient With Obstructive HCM and a Proximal LAD Stent
Case Presenter: Jorge Gaspar

1:00 PM Case 5: Severe Dyspnea in a Patient With HCM and Mid Cavitory Obstruction
Case Presenter: Alexander Grigorievich Osiev

1:10 PM Case 6: A Case Demonstrating Contrast Opacification of Non Target Septal Segments During Alcohol Septal Ablation
Case 7: Septal Branch Collateralization Noted During the Course of Alcohol Septal Ablation
Case Presenter: Kolja Sievert

1:30 PM
Case 8: Severe Obstructive HCM in a Symptomatic Patient Despite Maximized Medical Therapy and Septal Thickness of 13 mm
Case Presenter: Rabin dra Nath Chakraborty

1:40 PM
Take Home Messages: What Did You Learn From these Cases
Lecturers: Sherif F. Nagueh

COMPLEX INTERVENTIONS: EXPERT CASE REVIEWS - INTRAVASCULAR IMAGING  IVUS, OCT AND NIRS

MONDAY, SEPTEMBER 24, 2018
12:15 PM - 1:51 PM
Room 28A-B, Upper Level

12:15 PM - 1:51 PM
Intravascular Imaging  IVUS, OCT and NIRS
Moderators: David Erlinge, Gary S. Mintz
Discussants: Marc D. Feldman, Jens Flensted Lossen, Margaret B. McEntegart, Yasunori Ueda, Carlo Zivelonghi, Robert-Jan van Geuns

12:15 PM
Introduction: What Do We Hope to Learn From these Cases
Lecturers: Gary S. Mintz

12:18 PM
Case 1: A Case in Which Pre and Post Interventional IVUS Changed the Number Length and/or Diameters of Stents Used
Case Presenter: Massoud A. Leesar

12:26 PM
Case 2: A Case in Which Pre and Post Interventional OCT Changed the Number Length and/or Diameters of Stents Used
Case Presenter: Evelyn S. Regar

12:34 PM
Case 3: A Case in Which Intravascular Imaging Changed My Pre stent Plaque Modification Strategy
Case Presenter: YunDai Chen

12:42 PM
Case 4: A Case in Which NIRS IVUS was Useful to Guide Stenting
Case Presenter: James A. Goldstein

12:50 PM
Case 5: A Case in Which I Used OCT to Reduce DAPT Duration
Case Presenter: Wojtek Wojakowski

12:58 PM
Case 6: A Case in Which OCT Found the Hidden Culprit Lesion in ACS
Case Presenter: Rajesh M. Dave

1:06 PM
Case 7: A Case of Intravascular Imaging to Diagnose and Guide Treatment of a Spontaneous Coronary Artery Dissection
Case Presenter: Fernando Alfonso

1:14 PM
Case 8: I Case in Which 3D OCT Imaging Changed How I Treated a Bifurcation
Case Presenter: Takashi Akasaka

1:22 PM
Case 9: A Case in Which Intravascular Imaging Demonstrated a Surprising Cause and Guided Treatment of Stent Thrombosis
Case Presenter: Ioannis Iakovou

1:30 PM
Case 10: A Case in Which Intravascular Imaging Demonstrated a Surprising Cause and Guided Treatment of In stent Restenosis
Case Presenter: Hiram G. Bezerra

1:38 PM
Case 11: A Case in Which Intravascular Imaging Demonstrated the Cause of Acute Vessel Closure
Case Presenter: Ashish Shah

1:46 PM
Take home Message: What Did We Learn From these Cases

COMPLEX INTERVENTIONS: EXPERT CASE REVIEWS - MITRAL VALVULOPLASTY

MONDAY, SEPTEMBER 24, 2018
12:15 PM - 1:45 PM
Room 27, Upper Level

12:15 PM - 1:45 PM
Mitral Valvuloplasty
Moderators: William W. O'Neill

12:15 PM
Introduction: What Do We Hope to Learn From these Cases
Lecturers: Igor F. Palacios

12:20 PM
Case 1: Inoue vs Double Balloon Mitral Valvuloplasty in Optimal Patients
Case Presenter: Rahul Sakhuja

12:30 PM
Case 2: Inoue Technique Mitral Valvuloplasty Is Not Always Straight Forward
**COMPLEX INTERVENTIONS: EXPERT CASE REVIEWS - PARAVALVULAR LEAK CLOSURE**

**MONDAY, SEPTEMBER 24, 2018**

**12:15 PM - 1:45 PM**

**Room 25A-B, Upper Level**

**Paravalvular Leak Closure**

Moderators: Anita Asgar, Chet Rihal
Discussants: Khalid Amber, George S. Hanzel, Massimo Napodano, Manuel Pan, Torsten P. Vahl

- **12:15 PM** Introduction: What Do We Hope to Learn From these Cases
  Lecturers: Anita Asgar

- **12:20 PM** Case 1: A Case of Aortic Paravalvular Leak: Retrograde Closure Technique
  Case Presenter: Roger J. Laham

- **12:30 PM** Case 2: A Case of Paravalvular Leak Post TAVR
  Case Presenter: John K. Forrest

- **12:40 PM** Case 3: A Case of Mitral Paravalvular Leak: Antegrade Closure Requiring Multiple Devices
  Case Presenter: Mohamed Abdel-Wahab

- **12:50 PM** Case 4: A Case of Mitral Paravalvular Leak: Transapical Access Approach
  Case Presenter: Stephen R. Ramee

- **1:00 PM** Case 5: Technical Challenges and Advanced Techniques for Paravalvular Leak Closure: Difficult Aortic Paravalvular Leak Closure
  Case Presenter: Chet Rihal

- **1:10 PM** Case 6: Closing Right Sided ParavalvularLeaks: A Case of Tricuspid PVL Closure

- **1:20 PM** Case 7: Managing Complications 1: Plug Embolization and Retrieval
  Case Presenter: Wojtek Wojakowski

- **1:30 PM** Case 8: Managing Complications 2: A Case of a Complicated Mitral Paravalvular Leak
  Case Presenter: Reda Ibrahim

- **1:40 PM** Take Home Messages: What Did We Learn From these Cases
  Lecturers: Chet Rihal

**COMPLEX INTERVENTIONS: EXPERT CASE REVIEWS - PFO CLOSURE CASE STUDIES**

**MONDAY, SEPTEMBER 24, 2018**

**12:15 PM - 1:47 PM**

**Room 32A-B, Upper Level**

- **12:15 PM** Session I: PFO Techniques and Strategies
  Moderators: Michael J. Mullen, Robert J. Sommer
  Discussants: Suzanne J. Baron, Asim Cheema, Hans R. Figulla, Sachin S. Goel, Steven L. Goldberg, Thomas A. Ischinger

- **12:15 PM** What We Hope to Learn From These Cases
  Lecturers: Robert J. Sommer

- **12:17 PM** A Case That Favors Cardioform Device
  Case Presenter: Asim Cheema
12:25 PM  A Case That Favors the Amplatz Device
Case Presenter: Megan Coylewright

12:33 PM  A PFO With a Significant Atrial Septal Aneurysm
Case Presenter: Zachary Steinberg

12:41 PM  A PFO With a Lipomatous Atrial Septum
Case Presenter: John D. Carroll

12:49 PM  A PFO With Eustachian Valve Attachments Near the Defect
Case Presenter: Michael J. Mullen

12:57 PM  A PFO With LongWell Attached PFO Tunnel
Case Presenter: Amar Krishnaswamy

1:05 PM - 1:47 PM
Session II: PFO Clinical Conundrums
Moderators: Zahid Amin, Robert J. Sommer
Discussants: Peter C. Block, John P. Breinholt, Craig E Fleishman, Harsimran Sachdeva Singh, Paul Vermeersch

1:05 PM  A Patient With Migraine With Aura Mimicking TIA: Is PFO Closure Appropriate
Case Presenter: Ashish Shah

1:13 PM  A Patient With a PFO and Cryptogenic Stroke Outside the Recommended Age Range: Is PFO Closure Appropriate
Case Presenter: David E. Thaler

1:21 PM  A Patient With Atrial Fibrillation Cryptogenic Stroke and PFO: Watchman Despite OAC
Case Presenter: Saibal Kar

1:29 PM  A Patient With DVT Pulmonary Embolus and PFO: Close on OAC
Case Presenter: Harsimran Sachdeva Singh

1:37 PM  A Patient Requiring Surgery With a PFO and a High Risk of VTE Paradoxical Embolization: Close for Primary Stroke Prevention
Case Presenter: Zahid Amin

1:45 PM  Conclusions and Take home Messages
Lecturers: Robert J. Sommer

COMPLEX INTERVENTIONS: EXPERT CASE REVIEWS - TRANSRADIAL ACCESS TECHNIQUE PEARLS AND COMPLICATIONS

MONDAY, SEPTEMBER 24, 2018
12:15 PM - 1:45 PM
Room 29A-B, Upper Level

12:15 PM - 1:45 PM
Transradial Access Technique Pearls and Complications
Moderators: Olivier F. Bertrand, Samir B. Pancholy
Discussants: Richard A Anderson, Stephen P. Hoole, Sanjit S. Jolly, Yves R. Louvard, Marcello Sena, Kimberly A. Skelding

12:15 PM  Introduction: What Do We Hope to Learn From these Cases
Lecturers: Samir B. Pancholy

12:19 PM  Case 1: A Heavily Calcified Radial Artery in CKD
Case Presenter: Binita Shah

12:28 PM  Case 2: Complex Slender PCI: Small is Beautiful
Case Presenter: Yuji Ikari

12:37 PM  Case 3: Recognition of an Aberrant Right Subclavian Artery Access and Navigation Options
Case Presenter: Michael A. Kutcher

12:46 PM  Case 4: Radial Artery Dissection and Perforation
Case Presenter: Scott Harding

12:55 PM  Case 5: Ulnar Access when the Radial Artery is Occluded
Case Presenter: Sasko Kedev

1:04 PM  Case 6: Right Heart Catheterization Using Radialist Skills
Case Presenter: Mladen I. Vidovich

1:13 PM  Case 7: A Complex Radial Loop
Case Presenter: S. Chiu Wong

1:22 PM  Case 8: Dual Radial Access and CTO
Case Presenter: James Nolan

1:31 PM  Case 9: A Difficult Right Mammary Artery Cannulation From Radial Access
Case Presenter: William M Suh

1:40 PM  Take home Messages: What Did We Learn From these Cases
Lecturers: Olivier F. Bertrand
SPECIAL SESSION: CAPABILITY BUILDING AND CONTINUING EDUCATIONAL COMMITTEE IN CARDIOLOGY (CBCEC) AT TCT: HOW TO TREAT LEFT MAIN AND CORONARY BIFURCATION LESIONS

MONDAY, SEPTEMBER 24, 2018
7:00 AM - 8:00 AM
Room 26A-B, Upper Level

7:00 AM - 8:00 AM
How to Treat Left Main and Coronary Bifurcation Lesions
Moderators: Shao-Liang Chen, Yaling Han, Tanveer Rab, Imad Sheiban, Gregg W. Stone, Yi-Do Tang
Discussants: James B. Hermiller Jr, Chunguang Qiu, Fei Ye

- 7:00 AM  Case 1: A Left Main Bifurcation Intervention in STEMI PCI
  Case Presenter: Li Li
- 7:04 AM  How Would I Treat This Case
  Lecturers: Ning Guo
- 7:08 AM  How Would I Treat This Case
  Lecturers: Kai Xu
- 7:12 AM  How Would I Treat This Case
  Lecturers: Yan Li
- 7:16 AM  How Would I Treat This Case
  Lecturers: Yong Xia
- 7:20 AM  Roundtable Discussion With Audience QA

- 7:26 AM  How Did I Treat This Case
  Case Presenter: Li Li
- 7:30 AM  Case 2: A Distal LM LADD1 Bifurcation PCI Case
  Case Presenter: Junjie Zhang
- 7:34 AM  How would I treat this case
  Lecturers: Zening Jin
- 7:38 AM  How would I treat this case
  Lecturers: Jingbo Hou
- 7:42 AM  How Would I Treat This Case
  Lecturers: Ning Tan
- 7:46 AM  How Would I Treat This Case
  Lecturers: Rong-Chong Huang
- 7:50 AM  Roundtable Discussion With Audience QA
- 7:56 AM  How Did I Treat This Case
  Case Presenter: Junjie Zhang

SPECIAL SESSION: BEST PRACTICE OF CONTEMPORARY PCI IN CHINA

MONDAY, SEPTEMBER 24, 2018
9:00 AM - 11:00 AM
Room 28A-B, Upper Level

9:00 AM - 11:00 AM
Best Practice of Contemporary PCI in China

- 9:00 AM  Introduction
  Lecturers: Ben He
- 9:05 AM  Best Practice of Contemporary PCI in China
  Lecturers: Jianfang Luo
- 10:40 AM  Update on Treatments and Techniques of Coronary Calcium
  Lecturers: Fei Ye
- 10:55 AM  Closing
  Lecturers: Ben He

SPECIAL SESSION: SCAI CATH LAB LEADERSHIP BOOTCAMP
1:00 PM - 2:00 PM

**Bootcamp I: Essential Cath Lab Management Skills**

*Moderators: Prashant Kaul, Daniel M. Kolansky*

*Discussants: Robert J. Applegate, Douglas E. Drachman, Samir R. Kapadia, Duane S. Pinto, Arnold Seto, Bernadette S. Speiser*

1:00 PM  Welcome and Introduction  
*Lecturers: Daniel M. Kolansky*

1:05 PM  The Cath Lab Medical Director: Keys to Success  
*Lecturers: Duane S. Pinto*

1:15 PM  The Cath Lab Manager: Keys to Success  
*Lecturers: Bernadette S. Speiser*

1:25 PM  Establishing a Safety Culture in the Cath Lab  
*Lecturers: Arnold Seto*

1:35 PM  Managing Cath Lab Conflicts: Scheduling Personalities  Cant We All Just Get Along

1:45 PM  Roundtable Discussion With Audience Q A

2:00 PM - 3:00 PM

**Bootcamp II: Cath Lab Economics - Move to Value-Based Payments**

*Moderators: Peter L Duffy, Timothy D. Henry*

*Discussants: Samir R. Kapadia, Daniel M. Kolansky, John A. Spertus*

2:00 PM  Cath Lab Economics: Where Do We Stand With MACRA and MIPS  
*Lecturers: Daniel M. Kolansky*

2:10 PM  CMS Strategy and the Move to Value  
*Lecturers: John A. Spertus*

2:20 PM  Value Based STEMI Care: Saving Money During MI Treatment  
*Lecturers: Timothy D. Henry*

2:30 PM  Cath Lab Efficiency: Saving Time and Money While Reducing Stress  
*Lecturers: Samir R. Kapadia*

2:40 PM  Roundtable Discussion With Audience QA

3:00 PM - 4:00 PM

**Bootcamp III: Achieving Quality Objectives in the Cath Lab**

*Moderators: Sunil V. Rao*

*Discussants: J. Dawn Abbott, Adnan K. Chhatriwalla, Michael A. Kutcher, Manesh R. Patel, Duane S. Pinto, Adhir Shroff, Robert W. Yeh*

3:00 PM  The Top 10 Quality Metrics for Your Cath Lab  
*Lecturers: Michael A. Kutcher*

3:10 PM  Using SCAI AUC and PCI Risk Apps to Optimize Care in Your Cath Lab  
*Lecturers: Manesh R. Patel*

3:20 PM  Tracking Performance: Updates on NCDR Reporting  
*Lecturers: J. Dawn Abbott*

3:30 PM  UPDATE on Public Reporting in the Cath Lab  
*Lecturers: Robert W. Yeh*

3:40 PM  Roundtable Discussion With Audience QA

4:00 PM - 5:00 PM

**Bootcamp IV: Using Protocols and Pathways to Optimize Care Standardization**

*Moderators: David A. Cox, Dmitriy N. Feldman*


4:00 PM  STEMI Care: Your STEMI Protocol in 2018  
*Lecturers: Cindy L. Grines*

4:10 PM  Radial Access: Reducing Bleeding and Improving Patient Satisfaction  
*Lecturers: Binita Shah*

4:20 PM  Pathways for Same Day PCI Discharge  
*Lecturers: Mauricio G. Cohen*
4:30 PM  Shock in the Cath Lab: Developing a Team Based Protocol  
Lecturers: Emmanouil S. Brilakis
4:40 PM  Reducing Radiation Exposure in the Cath Lab  
Lecturers: Jay Bagai
4:50 PM  Roundtable Discussion With Audience QA
PRESENTATION THEATER PROGRAM: CEREBRAL EMBOLIC PROTECTION WITH SENTINEL IN TAVR: SHIFTING THE PARADIGM TOWARD STANDARD OF CARE (SPONSORED BY BOSTON SCIENTIFIC CORPORATION)

MONDAY, SEPTEMBER 24, 2018
11:30 AM - 12:30 PM
Presentation Theater 3

11:30 AM - 12:30 PM
Cerebral Embolic Protection with Sentinel in TAVR: Shifting the Paradigm Toward Standard of Care

11:30 AM
Impact of CEP in Practice: Ease of Cath Lab Integration the Associated Real World Clinical Outcomes

11:40 AM
Stroke Happens Protection Works A Contemporary Review of the Data Supporting the Use of Sentinel in TAVR

11:50 AM
Stroke Economics the Role of Sentinel in Building Referral Pathways to Grow your TAVR Program

12:00 PM
The Role of Cerebral Protection in the Age of Minimalism

12:10 PM
Considerations for the Future of CEP: Implications of the TAVR Consensus Statement for Stroke Reporting and the Role of Shared Decision Making

12:20 PM
Panel Discussion

PRESENTATION THEATER PROGRAM: MY EXPERIENCE WITH BALLOON EXPANDABLE AND SELF-EXPANDING STENT GRAFTS IN TREATING AORTOILIAC OCCLUSIVE DISEASE (SPONSORED BY GORE & ASSOCIATES)

MONDAY, SEPTEMBER 24, 2018
11:30 AM - 12:30 PM
Presentation Theater 4

PRESENTATION THEATER PROGRAM: SCAI TRANSITION FOR VALUE: A CASE- AND DEBATE-BASED DISCUSSION OF THE VALUE OF TRANSRADIAL cPCI (SPONSORED BY SOCIETY FOR CARDIOVASCULAR ANGIOGRAPHY AND INTERVENTIONS, SUPPORTED BY MEDTRONIC)

MONDAY, SEPTEMBER 24, 2018
11:30 AM - 12:30 PM
Presentation Theater 1

11:30 AM - 12:30 PM
SCAI TRANSition for VALUE: A Case- and Debate-based Discussion of the Value of Transradial cPCI

Chairs: Adhir Shroff
Faculty: J. Dawn Abbott, Rajiv Gulati, Arasi Maran, Arnold Seto, Alexander Truesdell

11:30 AM
SCAIs TRANsition for VALUE and How it Applies to Complex PCI cPCI
Lecturers: Adhir Shroff

11:38 AM
Femoral to Radial 101: Focus on cPCI
Lecturers: Rajiv Gulati

11:46 AM
SCAIs Length of Stay Expert Consensus Document: A Case based Application to TRA cPCI
Lecturers: Arnold Seto

11:56 AM
Case Presentation: Complex TRA Left Main PCI Mini Debate
Lecturers: J. Dawn Abbott

12:04 PM
Left Main PCI: Transfemoral Should be the Default Access Site
Lecturers: Arasi Maran

12:12 PM
Left Main PCI: Transradial Should be the Default Access Site
Lecturers: Alexander Truesdell

12:20 PM
Discussion and Key Takeaways

12:30 PM
Adjourn
PRESENTATION THEATER PROGRAM: ABILITY TO TRANSFORM: DEDICATED DES TO TREAT DIABETIC PATIENTS AND SIROLIMUS COATED BALLOON FOR CAD (SPONSORED BY ENVISION SCIENTIFIC PVT. LTD. AND CONCEPT MEDICAL PVT. LTD.)

MONDAY, SEPTEMBER 24, 2018
1:00 PM - 2:00 PM
Presentation Theater 4

1:00 PM MagicTouch Sirolimus Coated Balloon
1:08 PM From Concept to USA IDE Trial Design
    Lecturers: Martin B. Leon
1:16 PM European Experience and Clinical Programme
    Lecturers: Bernardo Cortese
1:24 PM Challenging Cases with Imaging
    Lecturers: Sameer Dani
1:24 PM Abluminus a truly 3rd Generation DES for unmet need
1:32 PM Special Features and Clinical Experience
    Lecturers: Azeem Latib
1:40 PM Why should I use Abluminus for Diabetic Patients
    Lecturers: Roxana Mehran
1:48 PM Overall Experience of Abluminus DES in Real World and Dedicate Global Clinical Registry
    Lecturers: Luca Testa

PRESENTATION THEATER PROGRAM: FFRANGIO FOR PCI GUIDANCE: A CLINICAL REVIEW (SPONSORED BY CATHWORKS LTD.)

MONDAY, SEPTEMBER 24, 2018
1:00 PM - 2:00 PM
Presentation Theater 5

1:00 PM Greetings and Introduction
    Lecturers: Morton J. Kern
1:05 PM In depth Review of the FAST FFR Pivotal Trial Results
    Case Presenter: William F. Fearon
1:20 PM Deep Dive Into FAST FFR: Subgroups and Secondary Endpoints
    Lecturers: Nils Johnson
1:32 PM The Benefits of FFRangio in Multivessel Disease
    Lecturers: Hitoshi Matsuo
1:42 PM How Daily Use of FFRangio Can Change Clinical Practice in the Future
    Lecturers: Peter J. Fitzgerald
1:54 PM Questions and Concluding Remarks
    Lecturers: Morton J. Kern
2:00 PM Adjourn
    Lecturers: Morton J. Kern

PRESENTATION THEATER PROGRAM: TREATING PATIENTS AT HIGH BLEEDING RISK (HBR): THE LEADERS FREE EXPERIENCE (SPONSORED BY BIOSENSORS)

MONDAY, SEPTEMBER 24, 2018
1:00 PM - 2:00 PM
Presentation Theater 3
1:00 PM - 2:00 PM
Treating Patients at High Bleeding Risk (HBR): The LEADERS FREE Experience
Co Chairs: Mitchell W. Krucoff, Martin B. Leon
Faculty: Roxana Mehran, Philip M. Urban, Renu Virmani

1:00 PM  Session Opening
  Lecturers: Mitchell W. Krucoff

1:05 PM  From LEADERS FREE to LEADERS FREE II
  Lecturers: Philip M. Urban

1:17 PM  LEADERS FREE II: 1 Year Clinical Outcomes
  Lecturers: Mitchell W. Krucoff

1:29 PM  How BA9 Stents Heal: Pre Clinical Pathology Data
  Lecturers: Renu Virmani

1:41 PM  The Need for a Consensus Definition of HBR Patients
  Lecturers: Roxana Mehran

1:53 PM  Closing Remarks
  Lecturers: Martin B. Leon

2:00 PM  Adjourn

TRAINING: ABBOTT PAVILION #11 - GUIDEWIRE DESIGN AND SELECTION: A HANDS-ON USER’S GUIDE TO GUIDE WIRE TECHNOLOGY

MONDAY, SEPTEMBER 24, 2018
8:00 AM - 9:30 AM
Abbott Pavilion, Interactive Training Workshop, Upper Level

8:00 AM - 9:30 AM
Interactive Training Faculty: David Daniels, Jack Hall, Amir Kaki, William Nicholson

  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  Wiggle wire Overview and Hands on Activity

TRAINING: BOSTON SCIENTIFIC PAVILION #11 - IMAGING/PHYSIOLOGY: OPTIMIZE PCI - NEW PHYSIOLOGIC INDICES AND HIGH DEFINITION IVUS

MONDAY, SEPTEMBER 24, 2018
8:00 AM - 9:30 AM
BOSTON SCIENTIFIC PAVILION, Interactive Training Workshops (Sails Pavilion), Upper Level

8:00 AM - 9:30 AM
Imaging/Physiology: Optimize PCI - New Physiologic Indices and High Definition IVUS
Interactive Training Faculty: Yiannis S Chatzizisis, Nils Johnson, Matthew J. Price, Arnold Seto

TRAINING: CHIP - ADVANCED PCI TECHNIQUES PAVILION # 9 - LEARN OPTIMAL STEP-BY-STEP TECHNIQUES FOR BIFURCATIONS: PROVISIONAL, TAP, AND DK CRUSH TECHNIQUES

MONDAY, SEPTEMBER 24, 2018
8:00 AM - 9:30 AM
CHIP PAVILION, Interactive Training Workshops (Sails Pavilion), Upper Level

8:00 AM - 8:45 AM
Rapid Fire Case Presentations
8:00 AM  1 vs 2 Stents: Plaque Distribution and Role of Imaging  
Interactive Training Faculty: Kefei Dou

8:00 AM  Bifurcation Techniques Videos VisibleHeart  
Interactive Training Faculty: Francesco Burzotta

8:00 AM  Optimal Approaches to Bifurcations with step by step  
Interactive Training Faculty: Kirti Punamiya

8:00 AM  When to Send to Surgery How to Build a Complex LMCAFurcation PCI Practice  
Interactive Training Faculty: Devang Maheshchandra Desai

8:45 AM - 9:30 AM  
Hands-on Rotations Between Cordis, Medtronic/Opsens, And Abbott

8:45 AM  MedtronicOpsens Featured Devices Radial Stent Models Simulator VH Footage to Loop and Onyx  
Interactive Training Faculty: Jens Flensted Lassen, Azeem Latib, Duane S. Pinto

TRAINING: ENDOVASCULAR PAVILION #9 - DEEP VEIN INTERVENTION: DVT, PE, AND IVUS

MONDAY, SEPTEMBER 24, 2018
8:00 AM - 9:30 AM  
ENDOVASCULAR PAVILION, Interactive Training Workshops (Sails Pavilion), Upper Level

TRAINING: HEMODYNAMIC SUPPORT AND PATIENT MANAGEMENT PAVILION #9 - EXTRACORPOREAL LIFE SUPPORT (ECLS)

MONDAY, SEPTEMBER 24, 2018
8:00 AM - 9:30 AM  
HEMODYNAMIC PAVILION, Interactive Training Workshops (Sails Pavilion), Upper Level

8:00 AM  Extracorporeal Life Support (ECLS)

8:00 AM  Extracorporeal Life Support ECLS: Overview

TRAINING: INTERVENTIONAL IMAGING PAVILION #9 - CORONARY CT: DIAGNOSIS, PLANNING, AND INTERVENTIONAL GUIDANCE

MONDAY, SEPTEMBER 24, 2018
8:00 AM - 9:30 AM  
Interventional Imaging Pavilion, Interactive Training Workshop, Upper Level

8:00 AM - 9:30 AM  
Coronary CT: Diagnosis, Planning, and Interventional Guidance  
Interactive Training Faculty: Kelley R Branch, João L Cavalcante, Farouc A Jaffer, Hasan Jilaihawi, Michael C. Kim, Jeffrey W. Moses

TRAINING: TAVR PAVILION #9 - IMPROVING TAVR SAFETY & AMBULATION WITH THE TEMPO® TEMPORARY PACING LEAD

MONDAY, SEPTEMBER 24, 2018
8:00 AM - 9:30 AM  
TAVR PAVILION, Interactive Training Workshops (Sails Pavilion), Upper Level
Improving TAVR Safety & Ambulation with the Tempo® Temporary Pacing Lead
Interactive Training Faculty: Stanley J. Chetcuti, George S. Hanzel, Nikolaos Kakouros, Amar Krishnaswamy, John C. Messenger, Tamim Nazif, Sanjeevan Pasupati, Carlos E Sanchez, Mark W.I. Webster, Brian K. Whisenant, Steven J. Yakubov

8:00 AM  Introduction
8:05 AM  Tempo Lead Technology Overview
8:11 AM  Tempo Lead Clinical Results
8:21 AM  The Tempo Leads Role in Reducing TAVR Length of Stay LOS

TRAINING: ABBOTT PAVILION #12 - NOW THAT I SEE IT, I KNOW HOW TO TREAT IT! - A HANDS-ON SKILLS LAB

MONDAY, SEPTEMBER 24, 2018
10:00 AM - 11:30 AM
Abbott Pavilion, Interactive Training Workshop, Upper Level

10:00 AM - 11:30 AM
Now That I See It, I Know How to Treat It! - A Hands-on Skills Lab
Interactive Training Faculty: Hiram G. Bezerra, Jonathan M. Hill, Vamsi Krishna, Bruce McLellan, Evan Shlofmitz

10:00 AM  OCT: Now that I see It Presentation

TRAINING: BOSTON SCIENTIFIC PAVILION #12 - ROTA PRO PLAQUE MODIFICATION/VESSEL PREP

MONDAY, SEPTEMBER 24, 2018
10:00 AM - 11:30 AM
BOSTON SCIENTIFIC PAVILION, Interactive Training Workshops (Sails Pavilion), Upper Level

10:00 AM - 11:30 AM
Rota Pro Plaque Modification/Vessel Prep
Interactive Training Faculty: Emmanouil S. Brilakis, Arthur Reitman, Robert F. Riley, Daniel H. Steinberg

TRAINING: CHIP - ADVANCED PCI TECHNIQUES PAVILION # 10 - LEARN OPTIMAL STEP-BY-STEP TECHNIQUES FOR BIFURCATIONS: PROVISIONAL, TAP, AND DK CRUSH TECHNIQUES

MONDAY, SEPTEMBER 24, 2018
10:00 AM - 11:30 AM
CHIP PAVILION, Interactive Training Workshops (Sails Pavilion), Upper Level

10:00 AM - 10:45 AM
Rapid Fire Case Presentations
10:00 AM  1 vs 2 Stents: Plaque Distribution and Role of Imaging
10:00 AM  Bifurcation Techniques Videos VisibleHeart
10:00 AM  Optimal Approaches to Bifurcations with step by step
Interactive Training Faculty: Emmanouil S. Brilakis
10:00 AM  When to Send to Surgery How to Build a Complex LMCA bifurcation PCI Practice

10:45 AM - 11:30 AM
Hands-on Rotations Between Cordis, Medtronic/Opsens, and Abbott OCT
10:45 AM  MedtronicOpsens Featured Devices Radial Stent Models Simulator VH Footage to Loop and Onyx
Interactive Training Faculty: Jens Flensted Lassen, Azeem Latib, Duane S. Pinto

TRAINING: ENDOVASCULAR PAVILION #10 - DEEP VEIN INTERVENTION: DVT, PE, AND IVUS
MONDAY, SEPTEMBER 24, 2018
10:00 AM - 11:30 AM
ENDOVASCULAR PAVILION, Interactive Training Workshops (Sails Pavilion), Upper Level

10:00 AM - 11:25 AM
Deep Vein Intervention: DVT, PE, and IVUS Session II
Interactive Training Faculty: Antonios P. Gasparis, Jay S. Giri, Sanjiv Lakhanpal, Robert Maholic, Gregory Piazza, Sanjum S Sethi, Brooke Spencer, Victor F. Tapson

10:00 AM  Video Introduction: Need for Invasive Treatment of Deep Vein Intervention PE and Venous Compression
10:10 AM  Rotation 1: DVT Featuring Boston Scientific
Interactive Training Faculty: Robert Maholic, Sanjum S Sethi
10:35 AM  Rotation 2: PE
Interactive Training Faculty: Jay S. Giri, Gregory Piazza, Victor F. Tapson
11:00 AM  Rotation 3: Venous Compression Featuring Philips
Interactive Training Faculty: Antonios P. Gasparis, Sanjiv Lakhanpal, Brooke Spencer

TRAINING: HEMODYNAMIC SUPPORT AND PATIENT MANAGEMENT PAVILION #10 - EXTRACORPOREAL LIFE SUPPORT (ECLS)

MONDAY, SEPTEMBER 24, 2018
10:00 AM - 11:30 AM
HEMODYNAMIC PAVILION, Interactive Training Workshops (Sails Pavilion), Upper Level

10:00 AM - 11:30 AM
Extracorporeal Life Support (ECLS)

10:00 AM  Extracorporeal Life Support ECLS: Overview

TRAINING: INTERVENTIONAL IMAGING PAVILION #10 - CORONARY CT: DIAGNOSIS, PLANNING, AND INTERVENTIONAL GUIDANCE

MONDAY, SEPTEMBER 24, 2018
10:00 AM - 11:30 AM
Interventional Imaging Pavilion, Interactive Training Workshop, Upper Level

10:00 AM - 11:30 AM
Coronary CT: Diagnosis, Planning, and Interventional Guidance
Interactive Training Faculty: Kelley R Branch, João L Cavalcante, Farouc A Jaffer, Hasan Jilaihawi, Michael C. Kim, Jeffrey W. Moses

TRAINING: MEDTRONIC PAVILION #10 - CORONARY: OPTIMIZING OUTCOMES IN PATIENTS WITH BIFURCATION LESIONS

MONDAY, SEPTEMBER 24, 2018
10:00 AM - 11:30 AM
MEDTRONIC PAVILION, Interactive Training Workshops (Sails Pavilion), Upper Level

10:00 AM - 11:30 AM
Coronary: Optimizing Outcomes in Patients With Bifurcation Lesions
Interactive Training Faculty: Francesco Burzotta, Fausto Feres, David Hildick-Smith, Azeem Latib

10:00 AM  Introduction
10:05 AM  Bifurcations a Complex Lesion Subset
10:30 AM  Bifurcation Treatment Techniques
11:00 AM  The Left Main
11:15 AM  Case Discussions QA

TRAINING: TAVR PAVILION #10 - IMPROVING TAVR SAFETY & AMBULATION WITH THE TEMPO® TEMPORARY PACING LEAD
### MONDAY, SEPTEMBER 24, 2018

**10:00 AM - 11:30 AM**

**TAVR PAVILION, Interactive Training Workshops (Sails Pavilion), Upper Level**

**10:00 AM - 11:30 AM**

**Improving TAVR Safety & Ambulation with the Tempo® Temporary Pacing Lead**

Interactive Training Faculty: Stanley J. Chetcuti, George S. Hanzel, Nikolaos Kakouros, Amar Krishnaswamy, John C. Messenger, Tamim Nazif, Sanjeevan Pasupati, Carlos E Sanchez, Mark W. I. Webster, Brian K. Whisenant, Steven J. Yakubov

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:00</td>
<td>Introduction</td>
</tr>
<tr>
<td>10:05</td>
<td>Tempo Lead Technology Overview</td>
</tr>
<tr>
<td>10:11</td>
<td>Tempo Lead Clinical Results</td>
</tr>
<tr>
<td>10:21</td>
<td>The Tempo Leads Role in Reducing TAVR Length of Stay LOS</td>
</tr>
</tbody>
</table>

### TRAINING: ABBOTT PAVILION #13- MITRACLIP NTR & XTR: DEVICE & PROCEDURAL TECHNIQUES

**MONDAY, SEPTEMBER 24, 2018**

**12:00 PM - 1:30 PM**

**ABBOTT PAVILION, Interactive Training Workshops (Sails Pavilion), Upper Level**

**12:00 PM - 1:30 PM**

**MitraClip NTR & XTR: Device & Procedural Techniques**

Interactive Training Faculty: Gorav Ailawadi, Bob Burke, Steve Burstein, Bassem Chehab, Paolo Denti, Nicolas Dumonteil, Rodrigo Estevez-Loureiro, GEORGE GELLERT, Carmelo Grasso, James B. Hermiller Jr, Scott Lim, Paul D. Mahoney, Moody M Makar, Andrew Morse, Ahmed Mustafa, Vivek Rajagopal, Mark J. Ricciardi, Michael J. Rinaldi, David G. Rizik, Evelio Rodriguez, Joshua Rovin, Gagan D Singh, Thomas Smith, Maurizio Taramasso

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>12:00</td>
<td>Introduction</td>
</tr>
<tr>
<td>12:05</td>
<td>Didactic</td>
</tr>
<tr>
<td>12:25</td>
<td>Hands on Session</td>
</tr>
</tbody>
</table>

### TRAINING: BOSTON SCIENTIFIC PAVILION #13 - ROTA PRO PLAQUE MODIFICATION/VESSEL PREP

**MONDAY, SEPTEMBER 24, 2018**

**12:00 PM - 1:30 PM**

**BOSTON SCIENTIFIC PAVILION, Interactive Training Workshops (Sails Pavilion), Upper Level**

**12:00 PM - 1:30 PM**

**Rota Pro Plaque Modification/Vessel Prep**

Interactive Training Faculty: Emmanouil S. Brilakis, Arthur Reitman, Robert F. Riley, Daniel H. Steinberg

### TRAINING: MEDTRONIC PAVILION #11 - STRUCTURAL HEART: FUNDAMENTALS OF CARDIAC ANATOMY AND IMAGING CORRELATION

**MONDAY, SEPTEMBER 24, 2018**

**12:00 PM - 1:30 PM**

**MEDTRONIC PAVILION, Interactive Training Workshops (Sails Pavilion), Upper Level**

**12:00 PM - 1:30 PM**

**Structural Heart: Fundamentals of Cardiac Anatomy and Imaging Correlation**

Interactive Training Faculty: João L Cavalcante, Michael J. Reardon

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>12:00</td>
<td>Introduction</td>
</tr>
<tr>
<td>12:05</td>
<td>Anatomy Overview using Various Imaging Modalities for Structural Heart Procedures</td>
</tr>
</tbody>
</table>

### TRAINING: ABBOTT PAVILION #14 - SAVE THAT SIDE BRANCH! PRESERVING SIDE BRANCH ACCESS: A HANDS-ON PRACTICAL SKILLS LAB
Save That Side Branch! Preserving Side Branch Access: A Hands-on Practical Skills Lab
Interactive Training Faculty: Emmanouil S. Brilakis, Jean-François Tanguay, Nick E. J. West, Jason Wollmuth

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>2:00 PM</td>
<td>Introduction</td>
</tr>
<tr>
<td>2:05 PM</td>
<td>Didactic on First SBA Technique and Hand On Guided Session Technique 1</td>
</tr>
<tr>
<td>2:45 PM</td>
<td>Didactic on Second SBA Technique and Hand On Guided Session Technique 2</td>
</tr>
<tr>
<td>3:25 PM</td>
<td>Wrap up</td>
</tr>
</tbody>
</table>

TRAINING: BOSTON SCIENTIFIC PAVILION #14 - ROTA PRO PLAQUE MODIFICATION/VEssel PREP

Rota Pro Plaque Modification/Vessel Prep
Interactive Training Faculty: Tony J. DeMartini, William L. Lombardi, Arthur Reitman, Daniel H. Steinberg

TRAINING: CHIP - ADVANCED PCI TECHNIQUES PAVILION #11 - CTO SKILLS 101: HOW TO APPROACH THESE LESIONS

Rapid Fire Case Presentations

Hands-on Rotations Between Abbott CTO, Asahi CTO, and Boston Scientific CTO

Asahi CTO Devices

TRAINING: ENDOVASCULAR PAVILION #11 - SUPERFICIAL VENOUS DISEASE: DIAGNOSIS AND TREATMENT OPTIONS

Venous Intervention Session III: Superficial Vein Intervention
Interactive Training Faculty: Robert E Foster, Jon C. George, Maja Zaric

Video Introduction: Superficial Vein Intervention
Hands on Featuring Devices From Medtronic

TRAINING: HEMODYNAMIC SUPPORT AND PATIENT MANAGEMENT PAVILION #11 - EXTRACORPOREAL LIFE SUPPORT (ECLS)
**HEMODYNAMIC PAVILION, Interactive Training Workshops (Sails Pavilion), Upper Level**

2:00 PM - 3:30 PM
**Extracorporeal Life Support (ECLS)**

2:00 PM  Extracorporeal Life Support ECLS: Overview

**TRAINING: INTERVENTIONAL IMAGING PAVILION #11 - CT ANALYSIS FOR TAVR PROCEDURES: PLANNING AND INTERVENTIONAL GUIDANCE**

MONDAY, SEPTEMBER 24, 2018
2:00 PM - 3:30 PM
Interventional Imaging Pavilion, Interactive Training Workshop, Upper Level

**CT Analysis for TAVR Procedures: Planning and Interventional Guidance**
Interactive Training Faculty: João L Cavalcante, Chad Kliger, Jonathon A. Leipsic, Michael J. Reardon, Rahul Sharma, Dee Dee Wang

**TRAINING: MEDTRONIC PAVILION #12 - CORONARY: DO SIZE AND SHAPE MATTER? HOW TO CHOOSE THE RIGHT DIAGNOSTIC AND GUIDE CATHETERS?**

MONDAY, SEPTEMBER 24, 2018
2:00 PM - 3:30 PM
MEDTRONIC PAVILION, Interactive Training Workshops (Sails Pavilion), Upper Level

**Coronary: Do Size and Shape Matter? How to Choose the Right Diagnostic and Guide Catheters?**
Interactive Training Faculty: Mitchell W. Krucoff, Sunil V. Rao

2:00 PM  Introduction
2:05 PM  Case Based Learning
2:45 PM  QA and Simulator Hands on

**TRAINING: TAVR PAVILION #11 - INNOVATIONS IN TAVR: LOTUS EDGE, ACURATE NEO2, AND SENTINEL CEREBRAL PROTECTION SYSTEM**

MONDAY, SEPTEMBER 24, 2018
2:00 PM - 3:30 PM
TAVR PAVILION, Interactive Training Workshops (Sails Pavilion), Upper Level

**Innovations in TAVR: LOTUS Edge, ACURATE neo2, and Sentinel Cerebral Protection System**
Interactive Training Faculty: Alexandre Abizaid, Vijay Iyer, Saib Khogali

**TRAINING: ABBOTT PAVILION #15 - PFO CLOSURE: RECENT DATA, TECHNIQUES, AND BEST PRACTICES FOR MANAGING PATIENTS**

MONDAY, SEPTEMBER 24, 2018
4:00 PM - 5:30 PM
ABBOTT PAVILION, Interactive Training Workshops (Sails Pavilion), Upper Level

**PFO Closure: Recent Data, Techniques, and Best Practices for Managing Patients**
Interactive Training Faculty: Zahid Amin, Lee N. Benson, Patrick A. Calvert, John M. Lasala, Igal Moarof, Rodrigo Nieckel da Costa, Jens Erik Nielsen-Kudsk

4:00 PM  Introduction
4:05 PM  PFO Closure: Recent Data Techniques and Best Practices for Managing Patients
### TRAINING: BOSTON SCIENTIFIC PAVILION #15 - ROTA PRO PLAQUE MODIFICATION/VEssel PREP

**MONDAY, SEPTEMBER 24, 2018**
4:00 PM - 5:30 PM  
BOSTON SCIENTIFIC PAVILION, Interactive Training Workshops (Sails Pavilion), Upper Level

<table>
<thead>
<tr>
<th>Time</th>
<th>Event Description</th>
</tr>
</thead>
</table>
| 4:00 PM - 5:30 PM | Rota Pro Plaque Modification/Vessel Prep  
*Interactive Training Faculty: William L. Lombardi, Arthur Reitman, Robert F. Riley, Daniel H. Steinberg* |

### TRAINING: CHIP - ADVANCED PCI TECHNIQUES PAVILION #12 - CTO SKILLS 101: HOW TO APPROACH THESE LESIONS

**MONDAY, SEPTEMBER 24, 2018**
4:00 PM - 5:30 PM  
CHIP PAVILION, Interactive Training Workshops (Sails Pavilion), Upper Level

<table>
<thead>
<tr>
<th>Time</th>
<th>Event Description</th>
</tr>
</thead>
</table>
| 4:00 PM - 4:45 PM | Rapid Fire Case Presentations  
*4:00 PM  
CTO Complications  
*Interactive Training Faculty: Robert W. Yeh* |
| 4:45 PM - 5:30 PM | Hands-on Rotations Between Abbott CTO, Asahi CTO, Boston Scientific CTO  
*4:45 PM  
Asahi CTO Devices* |

### TRAINING: ENDOVASCULAR PAVILION #12 - SUPERFICIAL VENOUS DISEASE: DIAGNOSIS AND TREATMENT OPTIONS

**MONDAY, SEPTEMBER 24, 2018**
4:00 PM - 5:30 PM  
ENDOVASCULAR PAVILION, Interactive Training Workshops (Sails Pavilion), Upper Level

<table>
<thead>
<tr>
<th>Time</th>
<th>Event Description</th>
</tr>
</thead>
</table>
| 4:00 PM - 5:30 PM | Venous Intervention Session IV: Superficial Vein Intervention  
*Interactive Training Faculty: Robert E Foster, Raghu Kolluri, Maja Zaric*  
*4:00 PM  
Video Introduction: Superficial Vein Intervention  
4:10 PM  
Hands on Featuring Devices From Medtronic* |

### TRAINING: HEMODYNAMIC SUPPORT AND PATIENT MANAGEMENT PAVILION #12 - EXTRACORPOREAL LIFE SUPPORT (ECLS)

**MONDAY, SEPTEMBER 24, 2018**
4:00 PM - 5:30 PM  
HEMODYNAMIC PAVILION, Interactive Training Workshops (Sails Pavilion), Upper Level

<table>
<thead>
<tr>
<th>Time</th>
<th>Event Description</th>
</tr>
</thead>
</table>
| 4:00 PM - 5:30 PM | Extracorporeal Life Support (ECLS)  
*4:00 PM  
Extracorporeal Life Support ECLS: Overview* |

### TRAINING: INTERVENTIONAL IMAGING PAVILION #12 - CT ANALYSIS FOR TAVR PROCEDURES: PLANNING AND INTERVENTIONAL GUIDANCE

**MONDAY, SEPTEMBER 24, 2018**
4:00 PM - 5:30 PM  
Interventional Imaging Pavilion, Interactive Training Workshop, Upper Level
4:00 PM - 5:30 PM

**CT Analysis for TAVR Procedures: Planning and Interventional Guidance**

Interactive Training Faculty: João L Cavalcante, Chad Kliger, Jonathon A. Leipsic, Michael J. Reardon, Rahul Sharma, Dee Dee Wang

---

**TRAINING: TAVR PAVILION #12 - INNOVATIONS IN TAVR: LOTUS EDGE, ACURATE NEO2, AND SENTINEL CEREBRAL PROTECTION SYSTEM**

**MONDAY, SEPTEMBER 24, 2018**

4:00 PM - 5:30 PM

TAVR PAVILION, Interactive Training Workshops (Sails Pavilion), Upper Level

---

**4:00 PM - 5:30 PM**

**Innovations in TAVR: LOTUS Edge, ACURATE neo2, and Sentinel Cerebral Protection System**

Interactive Training Faculty: Alexandre Abizaid, Vijay Iyer, Saib Khogali

---

**INTERNATIONAL SESSION: COMPLEX AND COMPLICATED CORONARY AND STRUCTURAL INTERVENTIONS PRESENTED BY COLEGIO ARGENTINO DE CARDIOANGIOLOGOS INTERVENCIONISTAS (CACI), VENEZUELAN SOCIETY OF CARDIOLOGY, SAUDI ARABIAN CARDIAC INTERVENTIONAL SOCIETY (SACIS), MEXICAN SOCIETY OF INTERVENTIONAL CARDIOLOGY (SOCIME)**

**MONDAY, SEPTEMBER 24, 2018**

10:30 AM - 12:00 PM

Room 24C, Upper Level

---

**10:30 AM - 12:00 PM**

Complex and Complicated Coronary and Structural Interventions

Moderators: Juan F. Granada, Oscar A. Mendiz

Discussants: Carlos Cabrera Arroyo, Carlos D Calderas, Anibal A. Damonte, Mohammed I Kurdi

- **10:30 AM**
  - Introduction
    Lecturers: Juan F. Granada

- **10:35 AM**
  - Case 1 From Argentina: Complex Paravalvular Leak Closure
    Case Presenter: Gustavo Alejandro Lev

- **10:43 AM**
  - Panel Discussion

- **10:50 AM**
  - Case 2 From Mexico: Title TBD

- **10:57 AM**
  - Roundtable Discussion with Audience QA

- **11:04 AM**
  - Case 3 From Saudi Arabia: STEMI Air Shock and Embolism
    Case Presenter: Mostafa Al Shamiai

- **11:12 AM**
  - Roundtable Discussion with Audience QA

- **11:19 AM**
  - Case 4 From Venezuela: Is Endovascular Treatment Still an Option When EVAR Fails
    Case Presenter: Carlos D Calderas

- **11:27 AM**
  - Roundtable Discussion with Audience QA

- **11:34 AM**
  - Case 5 From Argentina: Transfemoral TAVR Complicated by Stuck Delivery System After Deployment
    Case Presenter: Miguel A Ballarino

- **11:42 AM**
  - Roundtable Discussion with Audience QA

- **11:49 AM**
  - Case 6 From Saudi Arabia: Transcaval TAVR Complicated by Double Trouble
    Case Presenter: Waleed Alharbi

- **11:57 AM**
  - Roundtable Discussion with Audience QA

---

**INTERNATIONAL SESSION: HEMODYNAMIC FUNCTIONAL ASSESSMENT OF CORONARY STENOSIS IN DAILY PRACTICE PRESENTED BY GROUPE ATEROME ET CARDIOLOGIE INTERVENTIONNELLE (GACI) AND COLEGIO ARGENTINO CARDIOANGIOLOGOS INTERVENCIONISTAS (CACI)**

**MONDAY, SEPTEMBER 24, 2018**

1:30 PM - 3:30 PM

Room 24C, Upper Level

---

**1:30 PM - 3:30 PM**

**INTERNATIONAL SESSION: HEMODYNAMIC FUNCTIONAL ASSESSMENT OF CORONARY STENOSIS IN DAILY PRACTICE PRESENTED BY GROUPE ATEROME ET CARDIOLOGIE INTERVENTIONNELLE (GACI) AND COLEGIO ARGENTINO CARDIOANGIOLOGOS INTERVENCIONISTAS (CACI)**

**MONDAY, SEPTEMBER 24, 2018**

1:30 PM - 3:30 PM

Room 24C, Upper Level

---
Hemodynamic Functional Assessment of Coronary Stenosis in Daily Practice

Moderators: Anibal A. Damonte, Jacques Monsegu
Discussants: Alejandro Cherro, Diego D Grinfeld, Brahim Harboui, Alejandro O. Palacios, Antoine Py

1:30 PM Introduction and Session Goals
Lecturers: Anibal A. Damonte

1:35 PM How to Perform a Hemodynamic Functional Assessment and Its Pitfalls
Lecturers: Raul Solerno

2:29 PM Multivessel Disease: Should Invasive Physiology Change My Strategy
Lecturers: Eric Van Belle

2:42 PM How to Use Invasive Physiology in Assessing and Treating Left Main Disease
Lecturers: Leandro I Lasave

2:55 PM Is There a Role for Invasive Physiology in Acute Coronary Syndromes
Lecturers: Patrick Dupouy

3:08 PM Roundtable Discussion With Audience QA

3:24 PM Conclusions and Take home Messages
Lecturers: Jacques Monsegu

INTERNATIONAL SESSION: COMPLEX PRIMARY PCI AND COMPLICATIONS IN STEMI PRESENTED BY BULGARIAN WORKING GROUP OF INTERVENTIONAL CARDIOLOGY, HUNGARIAN WORKING GROUP OF INTERVENTIONAL CARDIOLOGY, HONG KONG SOCIETY OF TRANSCATHETER ENDOCARDIOVASCULAR THERAPEUTICS (HKSTENT), AND ROMANIAN WORKING GROUP OF INTERVENTIONAL CARDIOLOGY

MONDAY, SEPTEMBER 24, 2018
3:30 PM - 5:00 PM
Room 27A-B, Upper Level

3:30 PM - 4:15 PM
Session I: Complex Primary PCI in STEMI
Moderators: Michael Kang-Yin Lee, Ivo Petrov, Marin Postu, Zoltan Ruzsa
Discussants: Valeri Ljubenov Gelev, Stefan Mot, Lucian Marius Predescu, Li-Wah Tam

3:30 PM Is Multivessel Revascularization During Primary PCI in STEMI Necessary Desirable or Contraindicated
Lecturers: Stefan Mot

3:35 PM Case Introduction: My Most Complex STEMI PCI
Case Presenter: Istvan F. Edes

3:40 PM How Would I Treat This Patient
Lecturers: Marin Postu

3:45 PM Case Conclusion: How I Treated This Patient
Case Presenter: Istvan F. Edes

3:50 PM What Interventionalist Should Know About Using ECMO Assisted Coronary Intervention in Cardiogenic Shock
Lecturers: Zoltan Ruzsa

3:55 PM Case Introduction: My Most Complex STEMI PCI
Case Presenter: Lucian Marius Predescu

4:00 PM How Would I Treat This Patient

4:05 PM Case Conclusion: How I Treated This Patient
Case Presenter: Lucian Marius Predescu

4:10 PM Roundtable Discussion With Audience QA

4:15 PM - 5:00 PM
Session II: Complex and Complicated Primary PCI
Moderators: Michael Kang-Yin Lee, Ivo Petrov, Marin Postu, Zoltan Ruzsa
Discussants: Valeri Ljubenov Gelev, Stefan Mot, Lucian Marius Predescu, Li-Wah Tam

4:15 PM Surprises in Primary PCI
Lecturers: Li-Wah Tam

4:20 PM Case Introduction: No Reflow During Primary PCI
Case Presenter: Yu Ho Chan

4:25 PM How Would I Treat This Patient
Lecturers: Ivaïla Zhivkova Zheleva

4:30 PM Case Conclusion: How I Treated This Patient
Case Presenter: Yu Ho Chan
4:35 pm Left Main PCI in Patients With STEMI
Lecturers: Valeri Ljubenov Gelev

4:40 pm Case Introduction: STEMI Patient With LM Occlusion and Subtotal Aorto ostial Stenosis of the LAD Graft
Case Presenter: Ivo Petrov

4:45 pm How Would I Treat This Patient
Lecturers: Li-Wah Tam

4:50 pm Case Conclusion: How I Treated This Patient
Case Presenter: Ivo Petrov

4:55 pm Roundtable Discussion With Audience QA

INTERNATIONAL SESSION: COMPLICATIONS MANAGEMENT
CHALLENGING SAVES AND MISSES THAT TEACH US HOW TO BE BETTER
PRESENTED BY THE CARDIOLOGY SOCIETY OF INDIA/NATIONAL INTERVENTIONAL COUNCIL OF INDIA

MONDAY, SEPTEMBER 24, 2018
3:30 pm - 5:00 pm
Room 24C, Upper Level

3:30 pm Complications Management: Challenging Saves and Misses That Teach Us How to Be Better
Moderators: Dr. Sreenivas Kumar Arramraju, Sreenivas Arramraju Kumar, Manish A. Parikh
Discussants: Manoj Kumar Agarwala, Subhash Banerjee, Monotosh Panja, 84815565 Raghu, Gokul M. Reddy

3:30 pm Introduction and Session Goals
Lecturers: Sreenivas Arramraju Kumar

3:35 pm How to Avoid Complications in the Cath Lab With Case Examples
Lecturers: Sundeep Mishra

3:50 pm Roundtable Discussion With Audience QA

3:55 pm CHIP: Success and Regret Cases
Case Presenter: Prathap Kumar

4:10 pm Roundtable Discussion With Audience QA

4:15 pm Acute MI and ACS Cases: Mortality and Fortunate Saves
Case Presenter: Sreenivas Arramraju Kumar

4:30 pm Intravascular Imaging in Complications Management: A Series of Cases

4:42 pm Roundtable Discussion With Audience QA

4:45 pm Aortic Aneurysm and Dissection Cases: Difficult Saves and Complications
Case Presenter: Narenda N. Khanna

4:57 pm Roundtable Discussion With Audience QA

MODERATED POSTER SESSION: CARDIOGENIC SHOCK AND VENTRICULAR ASSIST III

MONDAY, SEPTEMBER 24, 2018
8:30 am - 9:30 am
Moderated Posters 4, Exhibit Hall, Ground Level

8:30 am - 9:30 am
Cardiogenic Shock and Ventricular Assist III
Moderators: Timothy D. Henry
Discussants: Mohamed Adnan Alkhouli, Hiram G. Bezerra, Philippe Garot, Ajay J. Kirtane

8:30 am TCT 754: Predictors of Mortality and Clinical Outcomes of Acute Severe Cardiogenic Shock Treated With the Impella Device
Lecturers: Charlene Rohm

8:37 am Discussion

Lecturers: Benjamin Seguy

8:49 am Discussion

8:54 am TCT 756: Acute Mechanical Unloading of the Left Ventricle Increases Functional Perfusion of the Area at Risk by Enhancing the Collateral Flow Index Prior to Reperfusion
Lecturers: Natalia Briceno
9:01 AM Discussion
9:06 AM TCT 757: Axillary Artery Access for Mechanical Circulatory Support Devices in Patients with Prohibitive Peripheral Arterial Disease Presenting with Cardiogenic Shock
Lecturers: M Chadi Alraies
9:13 AM Discussion
9:18 AM TCT 758: The Future of Heart Pump technology: Hemodynamic Monitoring of Patients on Temporary MCS Without Additional Invasive Catheters
Lecturers: Mir Basir
9:25 AM Discussion

MODERATED POSTER SESSION: NEW APPROACHES TO ISCHEMIC OR DILATED CARDIOMYPATHY

MONDAY, SEPTEMBER 24, 2018
8:30 AM - 9:30 AM
Moderated Posters 2, Exhibit Hall, Ground Level

8:30 AM - 9:30 AM
New Approaches to Ischemic or Dilated Cardiomyopathy
Moderators: James E. Udelson
Discussants: David A Baran, Peter Carson, Victoria Delgado, Ileana L. Pina

8:30 AM TCT 744: Axillary intraaortic Balloon Pumps Reduces Time to Ambulation After Ventricular Assist Device Or Transplant for Advanced Heart Failure
Lecturers: Vinod Chainani, MD
8:37 AM Discussion
8:42 AM TCT 745: EarlyResults ofRevivent Procedure in the Treatment of Patients With Left Ventricular Dilatation and Heart FailureDue to Ischemic Cardiomyopathy
Lecturers: Yan Wang, MD
8:49 AM Discussion
8:54 AM TCT 746: Can Cardiac MRI Viability Assessment Guide Revascularization Decisions in Patients With Ischemic Cardiomyopathy
Lecturers: Demetrios Doukas, MD
9:01 AM Discussion
9:06 AM TCT 747: the CardiAMP Heart Failure Study: FirstResults From Unblinded Roll in Phase
Lecturers: Peter Johnston
9:13 AM Discussion
9:18 AM TCT 748: Performance of Helix Transendocardial Biotherapeutic Delivery System After 300 Cases
Lecturers: Eric Duckers, MD
9:25 AM Discussion

MODERATED POSTER SESSION: PCI TECHNIQUES AND OUTCOMES

MONDAY, SEPTEMBER 24, 2018
8:30 AM - 9:30 AM
Moderated Posters 6, Exhibit Hall, Ground Level

8:30 AM - 9:30 AM
PCI Techniques and Outcomes
Moderators: Tim A. Fischell, Alfredo E. Rodriguez
Discussants: Khaldoon Alaswad, Antonio Colombo, Elias Sanidas, João A Silveira, Bernhard Witzenbichler

8:30 AM TCT 764: Long term Follow up of Covered Stent Implantation
Lecturers: Daisuke Hahcinohe
8:37 AM Discussion
8:42 AM TCT 765: Effect of PSP and Other Elements of Technique on 3 Year Outcomes Among Metallic Everolimus Eluting Stent Treated Patients in the Absorb Trials
Lecturers: Stephen G. Ellis
8:49 AM Discussion
8:54 AM TCT 766: Coronary Perforation Complicating Percutaneous Coronary Intervention in Patients Presenting With An Acute Coronary Syndrome: An Analysis of 1013 Perforation Cases From the British Cardiovascular Intervention Society Database
9:01 AM Discussion

9:06 AM TCT 767: Coronary Artery Aneurysm After Drug Eluting Stenting Incidence Predictors and Outcome A Single Centered Study
Lecturers: Puneet Aggarwal, MD
9:13 AM Discussion

9:18 AM TCT 768: Impact of PSP Technique on Clinical Outcomes Following Metallic Drug Eluting Stent Implantations
Lecturers: Xueyan Zhao, MD
9:25 AM Discussion

MODERATED POSTER SESSION: PCI VOLUMES AND OUTCOMES II

MONDAY, SEPTEMBER 24, 2018
8:30 AM - 9:30 AM
Moderated Posters 7, Exhibit Hall, Ground Level

8:30 AM - 9:30 AM
PCI Volumes and Outcomes II
Moderators: Lloyd W. Klein, George W. Vetrovec
Discussants: David A. Cox, Larry S. Dean, Hitinder S. Gurm, Juying Qian, Anand M Rao

8:30 AM TCT 769: Implementation of A Same Day Discharge Program After Percutaneous Coronary Intervention in Patients With Increased Risk
Lecturers: Gerardo Nau
8:37 AM Discussion

8:42 AM TCT 770: Contemporary Trends Readmission Rates and Costs of Same Day Discharge Among Patients Undergoing Elective Percutaneous Coronary Intervention: Department of Veterans Affairs 2008 2016
Lecturers: Jennifer Rymer, MD
8:49 AM Discussion

8:54 AM TCT 771: Temporal Trends in Risk Profiles of Patients Receiving Percutaneous Coronary Intervention and Coronary Artery Bypass Grafting: Insights From the Washington State Clinical Outcomes Assessment Program Coap
Lecturers: Akash Kataruka, MD
9:01 AM Discussion

9:06 AM TCT 772: Practice Level Variation in initial Treatment Strategy in Patients With Non St Segment Elevation Myocardial Infarction A Multi Level Methodological Approach
Lecturers: Yoon Jung Park, MD
9:13 AM Discussion

9:18 AM TCT 773: Procedural Volume and Outcome With Radial Or Femoral Access for Percutaneous Coronary Intervention in Patients With St Segment Elevation Myocardial Infarction
Lecturers: Nam Kyun Kim, MD
9:25 AM Discussion

MODERATED POSTER SESSION: PHARMACOLOGY: DUAL AND TRIPLE ANTI-PLATELET THERAPY I

MONDAY, SEPTEMBER 24, 2018
8:30 AM - 9:30 AM
Moderated Posters 8, Exhibit Hall, Ground Level

8:30 AM - 9:30 AM
Pharmacology: Dual and Triple Anti-Platelet Therapy I
Moderators: Fausto Feres
Discussants: Andrea Abizaid, Massoud A. Leesar, Kyung Woo (KW) Park, Matthew T. Roe

8:30 AM TCT 774: Duration of Dual Antiplatelet Therapy in Elective Drug Coated Balloon Angioplasty
Lecturers: Natasha Corbalis, MD
8:37 AM Discussion

8:42 AM TCT 775: A Systematic Review of Randomized and Non Randomized Studies Comparing Dual Therapy With Triple Therapy in Patients With Atrial Fibrillation Undergoing Percutaneous Coronary Intervention
Lecturers: Alexander Sullivan, MD
**MODERATED POSTER SESSION: TAVR AND MV DISEASE OR LAA CLOSURE**

**MONDAY, SEPTEMBER 24, 2018**

8:30 AM - 9:30 AM
Moderated Posters 1, Exhibit Hall, Ground Level

8:30 AM - 9:30 AM **TAVR and MV Disease or LAA Closure**
Moderators: Karl-Heinz Kuck, Steven J. Yakubov
Discussants: Krzysztof Bartus, Megan Coylewright, Matthew J Daniels, Paul A. Grayburn, James B. Hermiller Jr

- **TCT 739**: Potential Role of Emerging Percutaneous Mitral Technologies in Patients Undergoing TAVR
  Lecturers: Andrew Elbardissi, MD

- **TCT 740**: Impact of Calcific Mitral Stenosis on Survival in Patients With Aortic Stenosis Treated With TAVR
  Lecturers: Anna Sannino, MD

- **TCT 741**: Impact of Transcatheter Aortic Valve Replacement on Mitral Valve Gradients
  Lecturers: Anna Sannino, MD

- **TCT 742**: Percutaneous Left Atrial Appendage Closure Following Transcatheter Aortic Valve Replacement: Results From the Attractive Study
  Lecturers: Liesbeth Rosseel, MD

- **TCT 743**: The Multivalvular Score online App for the Assessment of Patients With Concomitant Mitral and Aortic Valve Disease Candidates to Transcatheter Aortic Valve Implantation: Prospective Validation
  Lecturers: Ignacio Amat-Santos, MD

**MODERATED POSTER SESSION: TAVR SIZING**

**MONDAY, SEPTEMBER 24, 2018**

8:30 AM - 9:30 AM
Moderated Posters 5, Exhibit Hall, Ground Level

8:30 AM - 9:18 AM **TAVR Sizing**
Moderators: Duane S. Pinto, Joachim Schofer
Discussants: Fayaz Shawl, Robert J. Siegel, William M Suh, Giuseppe Tarantini, Konstantinos Toutouzas

- **TCT 759**: Valve Size As A Predictor of Permanent Pacemaker Implantation in Edwards SAPIEN 3 TAVR Valves A Single Center Experience
  Lecturers: Mansoor Ahmad, MD

- **TCT 761**: Reproducibility of Aortic Annular Area interpretation for Transcatheter Aortic Valve Replacement Among industry Representatives and Physicians Using MultideCTOr Computed tomography
## MODERATED POSTER SESSION: TRANRADIAL ACCESS COMPLICATIONS

**MONDAY, SEPTEMBER 24, 2018**
8:30 AM - 9:30 AM  
Moderated Posters 3, Exhibit Hall, Ground Level

| 8:30 AM | TCT 749: Real World Registry on Radial Artery Occlusion Post Cardiac Catheterization By Arterial Duplex Ultrasound  
Lecturers: Wah Wah Htun, MD |
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>8:37 AM</td>
<td>Discussion</td>
</tr>
</tbody>
</table>
| 8:42 AM | TCT 750: Radial Artery Occlusion Incidence Predictors and Long Term Outcome After Transradial Catheterization: Clinico Doppler Ultrasound Based Study RAIL TRAC Study  
Lecturers: Puneet Aggarwal, MD |
| 8:49 AM | Discussion                                                                                      |
| 8:54 AM | TCT 751: Effect of Pigtail Assisted Tracking PAT of Guide Catheter During Transradial Coronary Angioplasty on forearm Complications: A Prospective Randomized Trial  
Lecturers: Naveen Garg, MD |
| 9:01 AM | Discussion                                                                                      |
| 9:06 AM | TCT 752: Transradial Access is Associated With an Increased of Risk Catheter Induced Coronary Artery Dissection Compared With Transfemoral Access  
Lecturers: Paul Boland, MD |
| 9:13 AM | Discussion                                                                                      |
| 9:18 AM | TCT 753: Incidence of Compartment Syndrome After Cardiac Catheterization Via Transradial Approach  
Lecturers: Michael Bode, MD |
| 9:25 AM | Discussion                                                                                      |

## MODERATED POSTER SESSION: INTERVENTION THERAPIES IN PATIENTS WITH DIABETES MELLITUS II

**MONDAY, SEPTEMBER 24, 2018**
9:30 AM - 10:30 AM  
Moderated Posters 3, Exhibit Hall, Ground Level

| 9:30 AM | TCT 789: Outcomes After PCI With Novel Sirolimus Eluting Stent With Unique Fusion Coating in Patients With Diabetes Mellitus  
Lecturers: Luca Testa |
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>9:37 AM</td>
<td>Discussion</td>
</tr>
</tbody>
</table>
| 9:42 AM | TCT 790: Efficacy and Safety of the Ultrathin Biore sorbable Polymer Sirolimus Eluting Stents vs Thin Durable Polymer Everolimus Eluting Stents for Treatment of Patients With Diabetes Mellitus  
Lecturers: Ron Waksman |
| 9:49 AM | Discussion                                                                                      |
MODERATED POSTER SESSION: MI DEFINITIONS

MONDAY, SEPTEMBER 24, 2018
9:30 AM - 10:30 AM
Moderated Posters 2, Exhibit Hall, Ground Level

9:30 AM - 10:30 AM
**MI Definitions**
Moderators: Hector M. Garcia-Garcia, Pascal Vranckx
Discussants: Sripal Bangalore, Miroslaw Ferenc, Issam D. Moussa, Duk-Woo Park

9:30 AM
TCT 784: Relationship Between Enzymatic Infarct Size and Total Platelet Aggregability During Primary Percutaneous Coronary Intervention in Patients With ST Elevation Myocardial Infarction
Lecturers: Shinnosuke Kikuchi

9:37 AM
Discussion

9:42 AM
TCT 785: Misclassification of Type 2 Myocardial Infarction and its Implication on Outcomes
Lecturers: Amer Hawatmeh

9:49 AM
Discussion

9:54 AM
TCT 786: Clinical Features of Subacute Myocardial Infarction Multicenter Registry From Tokyo CCU Network Database
Lecturers: Ryosuke Ito

10:01 AM
Discussion

10:06 AM
TCT 787: High Sensitive Cardiac Troponin Predicts 2 Years Mortality in Patients With Coronary Artery Disease Subanalysis of the Global Leaders Trial
Lecturers: Chun Chin Chang

10:13 AM
Discussion

10:18 AM
TCT 788: Relationship Between Total CK CK MB SCAI and Universal Definition in Determining Peri PCI Myocardial Infarction: Analysis From the Randomized BionICS Trial
Lecturers: Ori Ben-Yehuda

10:25 AM
Discussion

MODERATED POSTER SESSION: OPTIMAL DIAGNOSIS AND TREATMENT OF PATIENTS WITH STEMI OR NSTEMI III

MONDAY, SEPTEMBER 24, 2018
9:30 AM - 10:30 AM
Moderated Posters 6, Exhibit Hall, Ground Level

9:30 AM - 10:30 AM
**Optimal Diagnosis and Treatment of Patients with STEMI or NSTEMI III**
Moderators: Bill French
Discussants: YunDai Chen, Walter Desmet, Simon P. Hoerstrup, Sreenivas Arramraju Kumar

9:30 AM
TCT 804: Comparative Validation of the ALPHA Score A Novel Risk Model Including Vascular Access Site for Predicting 30 Day Mortality in Patients Treated With Primary PCI
Lecturers: Istvan Hizoh

9:37 AM
Discussion

9:42 AM
TCT 805: Temporal Trends and Outcomes of Percutaneous Ventricular Septal Rupture Closure in ST Elevation Myocardial Infarction in the United States
Lecturers: Srikanth Yadrapalli

9:49 AM
Discussion

9:54 AM
TCT 806: One Year Clinical Outcomes of Intensity Based vs Attained Low Density Cholesterol Based Statin Therapy in Patients With Acute Myocardial Infarction
Lecturers: Jung-Hee Lee
10:01 AM  Discussion

10:06 AM  **TCT 807: Post Procedural intracoronary Physiology Predicts Final Myocardial Injury After STEMI Insights from the OxAMI Study**  
Lecturers: Roberto Scarsini

10:13 AM  Discussion

10:18 AM  **TCT 808: Comparison Between Clopidogrel and the New Oral P2Y12 Inhibitors in the Treatment of Patients With STEMI Undergoing Primary Percutaneous Coronary Intervention**  
Lecturers: Martino Pepe

10:25 AM  Discussion

---

**MODERATED POSTER SESSION: PHARMACOLOGY: DUAL AND TRIPLE ANTI-PLATELET THERAPY II**

**MONDAY, SEPTEMBER 24, 2018**  
9:30 AM - 10:30 AM  
Moderated Posters 8, Exhibit Hall, Ground Level

**9:30 AM - 10:30 AM**  
**Pharmacology: Dual and Triple Anti-Platelet Therapy II**  
Moderators: Jorge F. Saucedo  
Discussants: Usman Baber, Tullio Palmerini

9:30 AM  **TCT 814: Meta Analysis of Effects of Short vs Long Term Dual Anti Platelet Therapy After Drug Eluting Stent Implantation in Patients With Coronary Artery Disease**  
Lecturers: Hammad Rahman

9:37 AM  Discussion

9:42 AM  **TCT 815: Meta Analysis of Safety and Efficacy of Proton Pump Inhibitors With Dual Antiplatelet Therapy for Coronary Artery Disease**  
Lecturers: Safi Khan

9:49 AM  Discussion

9:54 AM  **TCT 816: Pretreatment With Dual Anti Platelet Therapy: Findings From Dedicated RCTs Post Hoc Analyses and Observational Studies**  
Lecturers: Brandon Kai

10:01 AM  Discussion

10:06 AM  **TCT 817: Best Duration of Dual Antiplatelet Therapy After Drug Eluting Stent Implantation: A Network Meta Analysis of Randomized Controlled Trials**  
Lecturers: Mahmoud Barbarawi

10:13 AM  Discussion

10:18 AM  **TCT 818: Safety and Efficacy of 3 Month Dual Antiplatelet Therapy After Drug Eluting Stent: A Network Bayesian Meta Analysis of Randomised Clinical Trials**  
Lecturers: Giuseppe Ferrante

10:25 AM  Discussion

---

**MODERATED POSTER SESSION: RACIAL AND GENDER DISPARITIES IN CORONARY ARTERY DISEASE AND INTERVENTION II**

**MONDAY, SEPTEMBER 24, 2018**  
9:30 AM - 10:30 AM  
Moderated Posters 4, Exhibit Hall, Ground Level

**9:30 AM - 10:30 AM**  
**Racial and Gender Disparities in Coronary Artery Disease and Intervention II**  
Moderators: Bonnie H. Weiner  
Discussants: Waleed Y Kadro, Amisha Patel, Nadia R Sutton

9:30 AM  **TCT 794: Effect of Atrial Fibrillation in Asian Patients With Angina Undergoing Percutaneous Coronary Intervention With Drug Eluting Stents: Results From a Korean Nationwide Study**  
Lecturers: Yong Giun Kim

9:37 AM  Discussion

9:42 AM  **TCT 795: Prognostic Impact of Race in Patients Undergoing PCI: Analysis of 22638 Patients From 10 Randomized Coronary Stent Trials**  
Lecturers: Bjorn Redfors

9:49 AM  Discussion

9:54 AM  **TCT 796: A Paradox in Sex Specific Clinical Outcomes After Bioresorbable Scaffold Implantation: 2 Year Results From the AIDA Trial**

---
10:01 AM Discussion
10:06 AM TCT 797: Sex and Racial Disparities in Outcomes for Patients Undergoing Percutaneous Intervention Data From a Large Tertiary Center
Lecturers: Micaela Iantorno
10:13 AM Discussion
10:18 AM TCT 798: Evaluation of Sex Differences in One Year Clinical Outcomes Among Patients Treated With the Dual Therapy Combo Stent From the Combo Collaboration
Lecturers: Jaya Chandrasekhar
10:25 AM Discussion

MODERATED POSTER SESSION: TAVR VS TAVR AND TAVR VS SAVR II

MONDAY, SEPTEMBER 24, 2018
9:30 AM - 10:30 AM
Moderated Posters 1, Exhibit Hall, Ground Level

9:30 AM - 10:30 AM
TAVR vs TAVR and TAVR vs SAVR II
Moderators: Jean-Claude Laborde
Discussants: Andrea Colli, Khalil Fattouch, Helge Möllmann, Neal Sawlani

9:30 AM TCT 779: Quality of Life After Surgical and Transcatheter Aortic Valve Replacement in Patients and Their Informal Caregivers: Real World Data Contributing to Establish Value Based Medicine in East Denmark
Lecturers: Liesbeth Rosseel
9:37 AM Discussion
9:42 AM TCT 780: First Direct Comparison of the Self Expandable Portico vs the Balloon Expandable SAPIEN 3 Device for Trans Catheter Aortic Valve Replacement: A Case Matched Cohort Study
Lecturers: Mariuca Vasa-Nicotera
9:49 AM Discussion
9:54 AM TCT 781: Patients With Von Willebrand Factor Abnormalities Bleed Less Frequently After Transcatheter Than Surgical Aortic Valve Replacement
Lecturers: Kajetan Grodecki
10:01 AM Discussion
10:06 AM TCT 782: Early Outcomes Comparison of TAVI Using Three Different Second Generation Prostheses Edwards SAPIEN 3 Medtronic Evolut R Symetis ACURATE Neo TF
Lecturers: Giuliano Costa
10:13 AM Discussion
10:18 AM TCT 783: Procedural and Clinical Outcomes of Newer Generation Transcatheter Aortic Valves vs First Generation Transcatheter Aortic Valves
Lecturers: Carlos Giuliani
10:25 AM Discussion

MODERATED POSTER SESSION: TRANSCATHETER TREATMENT OF MV AND TV DISEASE I

MONDAY, SEPTEMBER 24, 2018
9:30 AM - 10:30 AM
Moderated Posters 5, Exhibit Hall, Ground Level

9:30 AM - 10:30 AM
Transcatheter Treatment of MV and TV Disease I
Moderators: Jeroen J. Bax
Discussants: Lauren S. Baker, Sammy Elmariah, Christian Frerker, Tsuyoshi Kaneko, Scott Lim, Saurabh Sanon, Robert L. Smith

9:30 AM TCT 779: The Importance of Emerging Transcatheter Mitral Valve Technologies in Cost Effectiveness and Post Procedure Outcomes
Lecturers: Andrew Elbordissi
9:37 AM Discussion
9:42 AM TCT 800: Immediate and Long Term Predictor Score of Success After Percutaneous Mitral Balloon Valvoplasty
Lecturers: Rafael Alexandre Meneguz-Moreno
9:49 AM Discussion
9:54 AM  TCT 801: Predictors of Immediate Success and Long Term Clinical Outcomes After Percutaneous Mitral Balloon Valvuloplasty in Patients With Rheumatic Mitral Stenosis
Lecturers: Rafael Alexandre Meneguz-Moreno
Discussion

10:06 AM  TCT 802: Effects of Pulmonary Hypertension on Transcatheter Mitral Valve Repair Outcomes: Analysis of the STSACC TVT Registry
Lecturers: Rasha Al-Bawardy
Discussion

10:18 AM  TCT 803: Mitral Valve Repair With a Novel TransseptalNeochordal System: First in Man Experience
Lecturers: Alberto Weber
Discussion

MODERATED POSTER SESSION: VASCULAR ACCESS DURING PCI II

MONDAY, SEPTEMBER 24, 2018
9:30 AM - 10:30 AM
Moderated Posters 7, Exhibit Hall, Ground Level

9:30 AM - 10:30 AM
Vascular Access During PCI II
Moderators: Gary Gershony, Michael A. Kutcher
Discussants: Yu Bo, James Cockburn, Mauricio G. Cohen, Yuji Ikari, Michael C. Kim, Ethan C. Korngold

9:30 AM  TCT 809: Radial Artery to Sheath Size Ratio in an American Population Implications as to Why Real Time Ultrasound Guided Radial Access May Decrease FailureCrossover Rates
Lecturers: Jonathan Roberts
Discussion

9:42 AM  TCT 810: Novel Distal Transradial Approach for Coronary and Peripheral Interventions
Lecturers: Avtandil Babunashvili
Discussion

9:49 AM  TCT 811: Thumb Arterial Flow Assessment After Radial Artery Compression in the Anatomical Snuffbox Compared to Wrist Level
Lecturers: Gregory Sgueglia
Discussion

9:54 AM  TCT 812: The Distal Left Radial Artery for Coronary Angiography and Intervention A Us Experience
Lecturers: Karim Al-Azizi
Discussion

10:06 AM  TCT 813: Assessing Relative Importance for Attributes of Radial and Femoral Artery PCI Amongst Healthy Online Recruited Volunteers
Lecturers: Jason Ross
Discussion

MODERATED POSTER SESSION: ASD AND PFO CLOSURE III

MONDAY, SEPTEMBER 24, 2018
10:30 AM - 11:30 AM
Moderated Posters 1, Exhibit Hall, Ground Level

10:30 AM - 11:30 AM
ASD and PFO Closure III
Moderators: Eustaquio Maria Onorato, Harsimran Sachdeva Singh
Discussants: Sachin S. Goel, Uzoma Ibebuogu, Kee-Sik Kim, Jorge Palazuelos, Francesco Pelliccia

10:30 AM  TCT 819: Patent Foramen Ovale Closure vs Medical Therapy After Cryptogenic Stroke A Systematic Review and Meta Analysis
Lecturers: Safi Khan
Discussion

10:42 AM  TCT 820: Impact of Atrial Septal Shunt in Patients With Patent Foramen Ovale and Cryptogenic Cerebral Ischemic Events on Acute and Longterm Outcome After Percutaneous Closure
Lecturers: Julia Seeger
MODERATED POSTER SESSION: CATH LAB OF THE FUTURE: STRATEGIES TO CONTROL RADIATION EXPOSURE III

MONDAY, SEPTEMBER 24, 2018
10:30 AM - 11:30 AM
Moderated Posters 2, Exhibit Hall, Ground Level

10:30 AM - 11:18 AM
Strategies to Control Radiation Exposure III
Moderators: Todd J. Brinton, Louis A. Cannon
Discussants: Mark C. Bates, Emmanouil S. Brilakis, Ramon L Varcoe, Mitchell Weinberg

10:30 AM  TCT 823: Identification of Patient and Procedural Characteristics Associated With High Radiation Use During TAVI
Lecturers: Wieneke Vlastra

10:37 AM  Discussion

10:42 AM  TCT 824: Statewide Variability in Radiation Doses Exceeding 5 Gy During Percutaneous Coronary Intervention Data From the Blue Cross Blue Shield of Michigan Cardiovascular Collaborative BMC2 Registry
Lecturers: Ryan Madder

10:49 AM  Discussion

10:54 AM  TCT 825: The Right Radial Access for Coronary Angiography Reduces Radiation Exposure Compared to Other Approaches The Experience From a High Volume Center
Lecturers: Wojciech Zajdel

11:01 AM  Discussion

11:06 AM  TCT 826: Effect of Allura Xpef FD10 ECO X Ray Image Processing on Radiation Reduction During Cardiac Catheterization A Single Center 717 Case Experience
Lecturers: J.R. Exequiel Pineda

MODERATED POSTER SESSION: HOCM OR ALCOHOL SEPTAL ABLATION

MONDAY, SEPTEMBER 24, 2018
10:30 AM - 11:30 AM
Moderated Posters 3, Exhibit Hall, Ground Level

10:30 AM - 11:18 AM
HOCM or Alcohol Septal Ablation
Moderators: John S. Douglas Jr, Srihari S. Naidu
Discussants: Michael A. Fifer, Alexander Grigorievich Osiev, Igor F. Palacios, Kolja Sievert, Qi Zhang

10:30 AM  TCT 827: Septal Alcohol Ablation vs Myectomy for Symptomatic Hypertrophic Obstructive Cardiomyopathy An Updated Meta Analysis for Long Term Outcomes
Lecturers: Mohammed Osman

10:37 AM  Discussion

10:42 AM  TCT 828: Clinical Outcomes Following Focal Ablation A New Technique for the Performance of Alcohol Septal Ablation
Lecturers: Youssef Rahban

10:49 AM  Discussion

10:54 AM  TCT 830: Outcomes of Acute Myocardial Infarction in Hypertrophic Obstructive Cardiomyopathy
Lecturers: Obai Abdullah

11:01 AM  Discussion
MODERATED POSTER SESSION: LMCA DISEASE AND INTERVENTION III

MONDAY, SEPTEMBER 24, 2018
10:30 AM - 11:30 AM
Moderated Posters 4, Exhibit Hall, Ground Level

10:30 AM - 11:30 AM
LMCA Disease and Intervention III
Moderators: Andrejs Erglis
Discussants: Aliaide Chieffo, Nicolas Foin, Robert J. Gil, Mamas Mamas, Leif Thuesen

10:30 AM
TCT 832: Resting Heart Rate At Discharge Predicts Adverse Cardiovascular Outcomes in Patients With Left Main Coronary Artery Disease Revascularized With PCI and CABG: Insights From the EXCEL Trial
Lecturers: Leon Gustavo Macedo

10:37 AM
Discussion

10:42 AM
TCT 833: Does an Occluded RCA Affect Prognosis in Patients Undergoing PCI or CABG for Left Main Coronary Artery Disease Analysis From the EXCEL Trial
Lecturers: Shmuel Chen

10:49 AM
Discussion

10:54 AM
TCT 834: Risk Stratification Using the ACEF Score in Patients Undergoing Percutaneous or Surgical Left Main Revascularization: Insights From the EXCEL Trial
Lecturers: Bimmer Claessen

11:01 AM
Discussion

11:06 AM
TCT 835: Validation of PARIS Risk Scores in Patients Treated With Everolimus Eluting Stents for Left Main Coronary Artery Disease: Analysis From the EXCEL Trial
Lecturers: Sabato Sorrentino

11:13 AM
Discussion

11:18 AM
TCT 836: Unique Calcification Patterns in the Left Main Bifurcation in Patients After Coronary Artery Bypass Grafting
Lecturers: Rafal Wolny

11:25 AM
Discussion

MODERATED POSTER SESSION: PCI IN HIGH BLEEDING RISK (HBR) PATIENTS III

MONDAY, SEPTEMBER 24, 2018
10:30 AM - 11:30 AM
Moderated Posters 6, Exhibit Hall, Ground Level

10:30 AM - 11:30 AM
PCI in High Bleeding Risk (HBR) Patients III
Moderators: John A. Bittl, Michael Maeng
Discussants: Eric A. Cohen, Gert Richardt, Jean-François Tanguay

10:30 AM
TCT 841: Baseline Characteristics and 3 Month Outcomes of the EVOLVE Short DAPT Trial A Prospective investigation of Abbreviated Antiplatelet Therapy in High Bleeding Risk Patients Treated With A Thin Strut Bioabsorbable Polymer Coated Everolimus Eluting Stents
Lecturers: Ajay J. Kirtane

10:37 AM
Discussion

10:42 AM
TCT 842: Patterns of Proton Pump Inhibitor Use in Patients Post Coronary Revascularization Impact of Bleeding Risk on Prescription Patterns
Lecturers: Kiran Sarathy

10:49 AM
Discussion

10:54 AM
TCT 843: Evaluation of Safety and Efficacy of Left and Right Heart Catheterization From Transradial and Antecubital Access in Patients on Anticoagulation
Lecturers: Felipe Marques

11:01 AM
Discussion

11:06 AM
TCT 844: Long Term Risk for Major Bleeding and Ischemic Events After PCI With Implantation of Everolimus Eluting Stents: A Pooled Level Analysis of 8020 Patients
MODERATED POSTER SESSION: TAVR RISK STRATIFICATION AND OUTCOMES IV

MONDAY, SEPTEMBER 24, 2018
10:30 AM - 11:30 AM
Moderated Posters 5, Exhibit Hall, Ground Level

10:30 AM - 11:30 AM
TAVR Risk Stratification and Outcomes IV
Moderators: Christian M. Spaulding
Discussants: David J. Cohen, Marie-Claude Morice, Bernhard Reimers

10:30 AM
TCT 837: Transcatheter Aortic Valve Replacement Outcomes By Procedure Location Catheterization Laboratory vs Operating Room
Lecturers: Tom Nguyen

10:37 AM
Discussion

10:42 AM
TCT 838: The Changing Landscape of Aortic Valve Replacement in the United States Insights From a National Database
Lecturers: Tanush Gupta

10:49 AM
Discussion

10:54 AM
TCT 839: Transcatheter Aortic Valve Replacement for Severe Aortic Stenosis Is More Likely to Improve Than Worsen Ckd Stage: Analysis of the Partner 1 2A and S3 Trials
Lecturers: Roberto J. Cubeddu

11:01 AM
Discussion

11:06 AM
TCT 840: The Impact of Transcatheter Aortic Valve Replacement on Short and Long Term Outcomes in High Gradient vs Low Flow Low Gradient vs Paradoxical Low Flow Low Gradient Severe Aortic Stenosis: A Network Meta Analysis of Randomized Controlled Trial
Lecturers: Abdulah Alrifai

11:13 AM
Discussion

11:18 AM
TCT 721: Transcatheter Aortic Valve Replacement in Patients With Chronic Pulmonary Hypertension
Lecturers: Obai Abdullah

11:25 AM
Discussion

MODERATED POSTER SESSION: THROMBUS AND THROMBUS ASPIRATION DURING STEMI INTERVENTION

MONDAY, SEPTEMBER 24, 2018
10:30 AM - 11:30 AM
Moderated Posters 8, Exhibit Hall, Ground Level

10:30 AM - 11:18 AM
Thrombus and Thrombus Aspiration During STEMI Intervention
Moderators: Sameer Mehta, Robert S. Schwartz
Discussants: Jose L. Leiva-Pons, Chaim S. Lotan, Verghese Mathew, Sundeep Mishra, Paul JL Ong, Anand M Rao

10:30 AM
TCT 851: Histopathological and Scanning Electron Microscopy Thrombus Findings in Patients Undergoing Primary vs Rescue Percutaneous Coronary Intervention
Lecturers: Stella Marinelli Pedrini

10:37 AM
Discussion

10:42 AM
TCT 853: Thrombus Aspiration in Patients With ST Elevation Myocardial Infarction Presenting Late After Symptom Onset Long Term Clinical Outcome of A Randomized Trial
Lecturers: Anne Freund

10:49 AM
Discussion

10:54 AM
TCT 854: The Precise DAPT Score Relationship With Clinical Outcomes After Drug Eluting Stents Implantation and With Thrombotic Ischemic Scores
Lecturers: Jose M. de la Torre Hernandez

11:01 AM
Discussion
MODERATED POSTER SESSION: VASCULAR ACCESS DURING PCI III

MONDAY, SEPTEMBER 24, 2018
10:30 AM - 11:30 AM
Moderated Posters 7, Exhibit Hall, Ground Level

10:30 AM - 11:18 AM
**Vascular Access During PCI III**
Moderators: Ajay J. Kirtane, Samir B. Pancholy, Stephen R. Ramee
Discussants: Bruce Bowers, Mina Madan, Nish Patel, Rahul Sakhuja, Wei-Hsian Yin

10:30 AM  TCT 846: Multicenter Study of the Efficacy and Safety of Distal Radial Approach in Coronary Angiography and Intervention
Lecturers: Yukio Mizuguchi
10:37 AM  Discussion
10:42 AM  TCT 848: Comparison Between Conventional Access Site Approach and Fully Trans Wrist Approach for Chronic Total Occlusion Percutaneous Coronary Intervention: the Minimalistic Hybrid Approach
Lecturers: Lorenzo Azzalini
10:49 AM  Discussion
10:54 AM  TCT 849: Safety of Transradial Access Compared to Transfemoral Access With Hemostatic Devices Vessel Plugs Suture Devices and Vascular Clips After Percutaneous Coronary Intervention: A Systematic Review and Meta Analysis
Lecturers: Yashasvi Chugh
11:01 AM  Discussion
11:06 AM  TCT 850: Early Experience With Ultrasound Guided Distal Trans Radial Access in the Anatomical Snuffbox in Coronary Angiography and Intervention
Lecturers: Jang Whan Bae
11:13 AM  Discussion

MODERATED POSTER SESSION: CORONARY PHYSIOLOGY IN AMI PATIENTS

MONDAY, SEPTEMBER 24, 2018
11:30 AM - 12:30 PM
Moderated Posters 7, Exhibit Hall, Ground Level

11:30 AM - 12:30 PM
**Coronary Physiology in AMI Patients**
Moderators: Dariusz Dudek, Alan C. Yeung
Discussants: Jozef Bartunek, Nick Curzen, Maurizio Menichelli, Erick Schampaert

11:30 AM  TCT 870: Do We Need Wedge Pressure for Calculation of the Index of Microcirculatory Resistance IMR Post Primary Percutaneous Coronary Intervention PPCI in Patients With ST Segment Elevation Myocardial Infarction STEMI
Lecturers: Grigoris Karamasis
11:37 AM  Discussion
11:42 AM  TCT 871: Stratification of the Coronary Flow Impairment in Non Infarcted Related Arteries According to the Coronary Flow Capacity CFC
Lecturers: Hernan Mejia-Renteria
11:49 AM  Discussion
11:54 AM  TCT 872: Quantitative Flow Ratio in Myocardial Infarction for the Evaluation of Non Infarct Related Arteries The QIMERA Pilot Study
Lecturers: Carlos Cortes
12:01 PM  Discussion
12:06 PM  TCT 873: Attenuated Coronary Post Occlusive Flow Increased Inflammatory Environment and Larger Infarct Size in STEMI Patients With Acute Peripheral Vascular Dysfunction
Lecturers: Nina Van Der Hoeven
12:13 PM  Discussion
12:18 PM  TCT 874: Coronary Microvascular Function During STEMI: Real Time Absolute Dynamic Microvascular Resistance in An Experimental Porcine Model Using Controlled Flow Infusion
MODERATED POSTER SESSION: PCI IN THE ELDERLY II

MONDAY, SEPTEMBER 24, 2018
11:30 AM - 12:30 PM
Moderated Posters 6, Exhibit Hall, Ground Level

11:30 AM - 12:30 PM
PCI in the Elderly II
Moderators: Matthias Lutz, Mohamed Ahmed Sobhy
Discussants: Khaled Almerri, Shiro Uemura

11:30 AM TCT 865: Temporal Trends and Outcomes of Fibrinolytic Therapy for ST Elevation Myocardial Infarction Among Patients 80 Years or Older Transferred for Percutaneous Coronary Intervention
Lecturers: Gbolahan Ogubayo

11:37 AM Discussion

11:42 AM TCT 866: Association of Age With the Risk of Thrombotic and Bleeding Event After Percutaneous Coronary Intervention
Lecturers: Hirotoshi Watanabe

11:49 AM Discussion

11:54 AM TCT 867: Polymer Free Sirolimus Eluting Stents in an Elderly and Octogenarian All Comer Population
Lecturers: Markus Florian Krakhardt

12:01 PM Discussion

12:06 PM TCT 868: Drug Eluting Stents and Short Duration of DAPT in Elderly Patients With Coronary Artery Disease Results of the Senior Randomized Clinical Trial at 2 Years
Lecturers: Olivier Varenne

12:13 PM Discussion

12:18 PM TCT 869: Two Years Outcomes in Elderly Patients Planned for One Month DAPT After PCI: Subanalysis of the SENIOR Trial
Lecturers: Olivier Varenne

MODERATED POSTER SESSION: TRANSCATHETER TREATMENT OF MV AND TV DISEASE II

MONDAY, SEPTEMBER 24, 2018
11:30 AM - 12:30 PM
Moderated Posters 5, Exhibit Hall, Ground Level

11:30 AM - 12:30 PM
Transcatheter Treatment of MV and TV Disease II
Moderators: Ralph Stephan von Bardeleben
Discussants: Stamatios Lerakis, Francesco Maisano, Carlos E. Ruiz, Maurice E. Sarano, Bernard Vasseur

11:30 AM TCT 860: Lampoon to Facilitate Tendyne Transcatheter Mitral Valve Replacement From Animal Model to First in Human
Lecturers: Jaffar M Khan

11:37 AM Discussion

11:42 AM TCT 861: Predicting Left Ventricular Outflow Tract Obstruction From Transcatheter Mitral Valve Replacement Despite Anterior Mitral Leaflet Resection The Skirt NeoLVOT
Lecturers: Jaffar M Khan

11:49 AM Discussion

11:54 AM TCT 862: A More Reliable Method for Predicting Neo LVOT Obstruction After TMVR
Lecturers: Dee Dee Wang

12:01 PM Discussion

12:06 PM TCT 863: SCOUT 1 Trial: Impact of Center Experience on Intraprocedural and 30 Day Outcomes
Lecturers: Charles J. Davidson

12:13 PM Discussion

12:18 PM TCT 864: Should Tricuspid Valve Repair Be Indicated for Severe Symptomatic Tricuspid Regurgitation Clinical and Procedural Outcomes
MODERATED POSTER SESSION: VULNERABLE PLAQUES AND VULNERABLE PATIENTS II

MONDAY, SEPTEMBER 24, 2018
11:30 AM - 12:30 PM
Moderated Posters 2, Exhibit Hall, Ground Level

11:30 AM - 12:30 pm
**Vulnerable Plaques and Vulnerable Patients II**
Moderators: Robert D. Safian, Renu Virmani
Discussants: Farouc A Jaffer, Takashi Kubo, Amir Lerman, Robert L. Wilensky

11:30 AM
**TCT 856: Peri Coronary Adipose Tissue Expresses Pro Inflammatory Activity Which May Affect Coronary Atherosclerosis in Patients With Coronary Artery Disease**
Lecturers: Tomasz Mazurek

11:30 AM
**Discussion**

11:42 AM
**TCT 857: A 75 Stenosis Created Turbulent Flow Ruptured Bubbles Cavitation Phenomenon Eroded the Vulnerable Cap and Triggered Acute Myocardial Infarction**
Lecturers: Hoa Bui

11:49 AM
**Discussion**

11:54 AM
**TCT 858: Residual Inflammatory Status in Patients With Stable Coronary Artery Disease Undergoing Percutaneous Coronary Intervention**
Lecturers: Deborah Kalkman

12:01 PM
**Discussion**

12:06 PM
**TCT 859: Circulating TNFSF14 Predicts Clinical Outcome in Patients With Coronary Artery Disease Underwent Percutaneous Coronary Intervention**
Lecturers: Chien-Yi Hsu

12:13 PM
**Discussion**

EVENING PROGRAM: DAPT AND TRIPLE THERAPY: A CASE-BASED GUIDE TO OPTIMAL ANTIPLATELET THERAPIES (SPONSORED BY CRF, SUPPORTED BY ABBOTT, ASTRAZENECA, BOSTON SCIENTIFIC CORPORATION, CELONOVA BIOSCIENCES, CHIESI USA, INC., MEDTRONIC)

MONDAY, SEPTEMBER 24, 2018
6:00 PM - 8:00 PM
Pacific Ballroom 14-17

6:00 PM - 6:30 PM
**Check-In & 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
Faculty: Deepak L. Bhatt, C. Michael Gibson, James B. Hermiller Jr, Sunil V. Rao

6:30 PM
**Welcome Introductions and Session Goals**
Lecturers: Roxana Mehran
BREAKFAST PROGRAM: GUIDEWIRE DESIGN AND SELECTION: A USER’S GUIDE (SPONSORED BY CRF, SUPPORTED BY ABBOTT, ASAHI INTECC USA, INC., BOSTON SCIENTIFIC CORPORATION, AND MEDTRONIC)

TUESDAY, SEPTEMBER 25, 2018
6:30 AM - 8:00 AM
Room 1

6:30 AM - 7:00 AM
Check-in & Breakfast

7:00 AM - 8:00 AM
Guidewire Design and Selection: A User’s Guide
Co Chairs: Ajay J. Kirtane
Faculty: Paul Knaapen

7:00 AM Welcome and Introductions
7:02 AM Matching Guidewire Design to Function: 2018 Updates
7:12 AM Applied Use of Coronary Guidewires: Basic Principles for Wire Manipulation
7:24 AM CTO Wires: Antegrade and Retrograde Case Examples
Lecturers: Paul Knaapen
7:36 AM Increasing Support and Challenging Wiring: Case Examples
Lecturers: Ajay J. Kirtane
7:48 AM Using All the Tools You Have at Your Disposal
8:00 AM Adjourn

BREAKFAST PROGRAM: INTEGRATING PHYSIOLOGY AND IMAGING INTO THE CATH LAB - WHAT TECHNOLOGY SHOULD I USE AND HOW AND WHEN SHOULD I USE IT? (SPONSORED BY CRF, SUPPORTED BY ABBOTT, BOSTON SCIENTIFIC, AND MEDTRONIC)

TUESDAY, SEPTEMBER 25, 2018
6:30 AM - 8:00 AM
Room 2

6:30 AM - 7:00 AM
Check-in & Breakfast

7:00 AM - 8:00 AM
Integrating Physiology and Imaging Into the Cath Lab: What Technology Should I Use and How and When Should I Use It?
Co Chairs: Gary S. Mintz, Francesco Prati
Faculty: Javier Escaned, Akiko Maehara

7:00 AM How Do I Assess an Intermediate Lesion FFR iFR Angio FFR
Lecturers: Javier Escaned
7:15 AM Discussion
7:20 AM What Is the Status of Vulnerable Plaque Detection
Faculty: Akiko Maehara
7:30 AM Discussion
7:35 AM How Do I Optimize Metallic Stent Implantation
Lecturers: Francesco Prati
7:55 AM QA
8:00 AM Adjourn

MAIN ARENA IV, TUESDAY, SEPT 25
8:00 AM - 9:00 AM

**My Best Complications (Ones That Worked Out)**

*Moderators:* Maurice Buchbinder, Gregg W. Stone

*Case Presenter:* Eric Horlick, Christopher U. Meduri, Oscar A. Mendiz, Curtiss T. Stinis, Bernhard Witzenbichler, Jochen Wöhrl

*Discussants:* Mohamed Abdel-Wahab, Charles J. Davidson, Eric Eeckhout, Ted Feldman, David I. Fischman, Gary Gershony, Howard C. Herrmann, Mark Reisman, Habib Samady

9:00 AM - 10:00 AM

**TCT Awards: Best Abstract, Best Challenging Case, Shark Tank Winner, Most Fascinating Lecture**

*Moderators:* Gregg W. Stone

*Discussants:* Alexandre Abizaid, Gary S. Mintz, Patrick W. Serruys

- **9:00 AM**
  - **TCT Awards: Best Abstract**
  - **Award Presenters:** Patrick W. Serruys

- **9:10 AM**
  - **Discussion**

- **9:20 AM**
  - **TCT Awards: Best Challenging Case**
  - **Award Presenters:** Alexandre Abizaid
  - **Lecturers:** Shunming Zhu

- **9:30 AM**
  - **Discussion**

- **9:40 AM**
  - **TCT Awards: Most Fascinating Lecture**
  - **Award Presenters:** Gary S. Mintz
  - **Lecturers:** Paul Rees

- **9:50 AM**
  - **Discussion**

10:00 AM - 11:00 AM

**Late-Breaking Trials 5**

*Moderators:* Felix Mahfoud, Patrick W. Serruys

*Discussants:* Michael Böhm, Bernard R. Chevalier, David J. Cohen, Antonio Colombo, Yaling Han, Takeshi Kimura, Ajay J. Kirtane, John A. Ormiston, Horst Sievert, Robert-Jan van Geuns

- **10:00 AM**
  - **ABSORB IV: A Blinded Randomized Trial of a Polymeric Everolimus Eluting Bioresorbable Scaffold in an Expanded Patient Population Using Optimized Technique**
  - **Lecturers:** Gregg W. Stone

- **10:12 AM**
  - **Roundtable Discussion**

- **10:20 AM**
  - **COMPARE ABSORB: A Randomized Trial of a Polymeric Everolimus Eluting Bioresorbable Scaffold in High Risk and Complex Lesions**
  - **Lecturers:** Pieter C. Smits

- **10:32 AM**
  - **Roundtable Discussion**

- **10:40 AM**
  - **RADIOSOUND HTN: A Three Arm Randomized Trial of Different Renal Denervation Devices and Techniques in Patients With Resistant Hypertension**
  - **Lecturers:** Philipp Lurz

- **10:52 AM**
  - **Roundtable Discussion**

11:00 AM - 12:00 PM

**Late-Breaking Clinical Science 3**

*Moderators:* James B. Hermiller Jr

*Co Moderator:* Daniel I. Simon

*Discussants:* Anita Asgar, Justin E. Davies, Dariusz Dudek, Sameer Gafoor, Morton J. Kern, Raj Makkar, Jan J. Piek, Simon Redwood, Jacqueline E. Tamis-Holland

- **11:00 AM**
  - **CorMick: A Randomized Trial of Invasive Coronary Function Testing in Patients With Angina and Nonobstructive Coronary Artery Disease**
  - **Lecturers:** Tom J Ford

- **11:10 AM**
  - **Roundtable Discussion**

- **11:15 AM**
  - **RESET: Seven Year Follow up From a Randomized Trial of Sirolimus Eluting vs Everolimus Eluting Stents in Patients With Coronary Artery Disease**
  - **Lecturers:** Hiroki Shiomi

- **11:25 AM**
  - **Roundtable Discussion**

- **11:30 AM**
  - **NEOPRO: Nonrandomized Comparison of Two Transcatheter Heart Valve in Patients With Severe Aortic Stenosis**
  - **Lecturers:** Azeem Latib

- **11:40 AM**
  - **Roundtable Discussion**

- **11:45 AM**
  - **PORTICO I: One Year Outcomes With a Self Expanding Repositionable Transcatheter Heart Valve in Patients With Severe Aortic Stenosis**
12:00 PM - 1:00 PM

**My Worst Complications (Ones That Didn't Work Out)**

*Moderators: Martin B. Leon, Barry D. Rutherford*

*Case Presenter: J. Dawn Abbott, Emmanouil S. Brilakis, Anthony H. Gershlick, Paul Sorajja*

*Discussants: Thomas A. Ischinger, Nicholas J. Lembo, Reginald I. Low, Tamim Nazif, Igor F. Palacios, Duane S. Pinto, Andrew Sharp, Satoru Sumitsuji, Stephen G. Worthley*