AGENDA
ORAL ABSTRACTS: ADVANCED FFR-GUIDED DECISION MAKING

FRIDAY, SEPTEMBER 21, 2018
1:00 PM - 2:00 PM
Room 23B-C, Upper Level

1:00 PM - 2:00 PM
Advanced FFR-Guided Decision Making
Moderators: Allen Jeremias
Discussants: Jose de Ribamar Costa Jr, Stephen P. Hoole, Giampaolo Niccoli, Expedito Eustáquio Ribeiro

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

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

1:00 PM - 2:00 PM
AMI Outcomes
Moderators: Rajesh M. Dave
Discussants: Angeles Alonso Garcia, Roberto Botelho, Warren J. Cantor, Jaya Chandrasekhar, 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)
FRIDAY, SEPTEMBER 21, 2018
1:00 PM - 2:00 PM
Room 318-C, Upper Level

1:00 PM - 2:00 PM
**Complex and Higher Risk Procedures for Indicated Patients (CHIP)**
Moderators: Jeffrey W. Moses
Discussants: Todd J. Brinton, 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

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ORAL ABSTRACTS: EXCEL TRIAL SUBSTUDIES

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

1:00 PM - 2:00 PM
**EXCEL Trial Substudies**
Moderators: Nicholas J. Lembo, Marie-Claude Morice
Discussants: Anibal A. Damonte, Fausto Feres, Dietmar H. Glogar, Thomas C. McAndrew, Tanveer Rab

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

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ORAL ABSTRACTS: HYPERTENSION AND RENAL DENERVATION

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

Hypertension and Renal Denervation

Moderators: Ivo Petrov
Discussants: Richard R. Heuser, Piotr Jankowski, Konstantinos P. Tsioufis

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: ConfidenHTM System Diagnostic Electrical Mapping of Renal Nerves for Optimizing Renal Denervation Procedures  
Lecturers: Konstantinos P. Tsioufis

1:55 PM  
Roundtable Discussion With Audience QA

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ORAL ABSTRACTS: NOVEL STRUCTURAL HEART DISEASE THERAPIES

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

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ORAL ABSTRACTS: TAVR PIVOTAL TRIALS

FRIDAY, SEPTEMBER 21, 2018
1:00 PM - 2:00 PM
Room 28D-E, Upper Level

1:00 PM - 2:00 PM
TAVR Pivotal Trials

Moderators: Charles J. Davidson
Discussants: Daniel J. Blackman, 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, 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 at 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 26A-B, Upper Level

2:00 PM  TCT 105: Non Periprocedural 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

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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 - 3:00 PM
CT-FFR, QFR, and OCT-FFR
Moderators: Javier Escañed, 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

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ORAL ABSTRACTS: MITRACLIP STUDIES

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

2:00 PM - 3:00 PM
MitralClip Studies
Moderators: Eric A. Cohen, Brij Maini
Discussants: Bruce Bowers, John D. Carroll, 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

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ORAL ABSTRACTS: NEW TAVR DEVICES
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

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**ORAL ABSTRACTS: PULMONARY ARTERY INTERVENTION**

2:00 PM - 3:00 PM

**Pulmonary Artery Intervention**

**Moderators:** Shao-Liang Chen

**Discussants:** Andrew J. Klein, Peter P. Monteleone, 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’Auria
- **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

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**ORAL ABSTRACTS: VULNERABLE PLAQUES AND VULNERABLE PATIENTS**

2:00 PM - 3:00 PM
Vulnerable Plaques and Vulnerable Patients
Moderators: John A. Ambrose, Farouc A Jaffer
Discussants: 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: Simon Redwood
Discussants: Biswajit Kar, Maurizio Menichelli, Vincent J. Pompili, Fayaz Shawl

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

Lecturers: Sarasandra 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: Jan Kovac, Axel Linke, Reginald I. Low, Michael J. Rinaldi

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: Wienke 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

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**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, Elmir Omerovic, Dmitry Stoliarov

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

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

**FRIDAY, SEPTEMBER 21, 2018**

**3:00 PM - 4:00 PM**

**Room 27A-B, Upper Level**

3:00 PM  Interventional Treatment of Diseases of the Aorta  
Moderators: Jacques Busquet  
Discussants: Costantino Del Giudice, Philip Green, Kendra J. Grubb, Zaza Kaveladze, 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
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

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**ORAL ABSTRACTS: INTRAVASCULAR IMAGING**

**FRIDAY, SEPTEMBER 21, 2018**

**3:00 PM - 4:00 PM**

**Intravascular Imaging**

**Moderators:** Guillermo Tearney, R. Stefan Kiesz, Massimo Napodano, Francesco Prati

**Discussants:** Adriano Caixeta, U. Stefano Kiesz, Massimo Napodano, Francesco Prati

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

- **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

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**ORAL ABSTRACTS: STENT VS STENT STUDIES**

**FRIDAY, SEPTEMBER 21, 2018**

**3:00 PM - 4:00 PM**

**Stent vs Stent Studies**

**Moderators:** Alexandre Abizaid, Didier Carrié

**Discussants:** Giuseppe De Luca, Upendra Kaul, Manel Sabate, Sigmund Silber, Giulio Stefanini, Clemens von Birgelen

- **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 Biodegradable 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 32A-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 Vasseur

3:00 PM
TCT 73: Treatment of Severe Tricuspid Regurgitation in Patients with Advanced Heart Failure with CAval Vein Implantation of the Edwards Sapien XT 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 Transcatheter 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, 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

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: Norihira 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**

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**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**  
Discussants: Sameer Gafoor, David R. Holmes Jr., James E. Muller

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:** Ultrasound 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**

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**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**  
Discussants: Tony Das  
Discussants: Hans Erik Botker, Kei Ichihashi, 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 Infraopliteal 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  New Intracoronary Physiology Techniques and Studies
Moderators: Ziad A. Ali, Justin E. Davies
Discussants: Joost Daemen, Thomas Engström, 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 15O2 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  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: Intracoronary 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: Kamilla Moalem
4:25 PM  Roundtable Discussion With Audience QA

4:30 PM  TCT 111: Efficacy and Safety of Glycoprotein IIbIIIa 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, 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, Brij Maini

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

Keynote Address: Complications Case Reviews
Lecturers: Philippe Genereux

11:10 AM Complications of TAVR Overview
Lecturers: Philippe Genereux

11:20 AM Recognizing and Treating Aortic Regurgitation
Lecturers: Philippe Genereux

11:25 AM Recognizing and Treating Tamponade
Lecturers: Philippe Genereux

11:30 AM Rhythm Disturbances After TAVR
Lecturers: Philippe Genereux

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

CARDOVASCULAR 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

1:05 PM TBD Lecture
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’Sa, 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*

1:50 PM  The CHIP Toolkit Techniques Imaging Equipment Troubleshooting  
*Lecturers: Russell J. D’Sa*

2:05 PM  Complex PCI Case Conclusion  
*Case Presenter: Thomas H. Maloney*

2:10 PM  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

5:05 PM  **Update on Clinical Research in the Cath Lab**  
Lecturers: Kate Dalton

5:15 PM  **Roundtable Discussion with Audience QA**

5:25 PM  **Conclusion**  
Lecturers: Marian C. Hawkey

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**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  **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 ESCEACTS 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 ACSPCI: 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 Haasleiter, Axel Linke, Felix Mahfoud, Georg Nickenig, Thomas Pilgrim, Lars Sondergaard*

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: Stephan Windecker

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**
Percutaneous PFO Closure: Finally Arrived
Lecturers: Lars Sondergaard

Renal Denervation: Light on the Horizon
Lecturers: Felix Mahfoud

Roundtable Discussion With Audience QA

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

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

Update of the NeoVas BRS Clinical Trials
Lecturers: Yaling Han

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

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

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

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

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: Kai Xu
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 24A-B, Upper Level

3:00 PM - 3:40 PM
Session I. Advanced PCI Techniques
Moderators: Lei Ge, Masahiko Ochiai
Discussants: Adrian P. Banning, Eric Eekhout, 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 Debuking 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: Akiko Maehara, Hitoshi Matsuo
Discussants: Takashi Akasaka, Javier Escaned, Shoichi Kuramitsu, Hidetaka Nishina, Shigeru Saito

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 Diffuse and Tandem Lesion Treatment by Physiology Guidance
Lecturers: Hidetaka Nishina
4:13 PM Physiology Guided PCI Optimization: Use of Physiology During and After PCI
Lecturers: Hitoshi Matsuo
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, Mehdi H. Shishehbor, Yoshimitsu Saga

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
5:07 PM  Roundtable Discussion With Audience QA

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: Ricardo A. Costa, Hemal Gada, Alexandra J. Lansky, 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, Afzulur 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 NSTEMI and STEMI
         Lecturers: Michael C. 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
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
10:42 AM  Roundtable Discussion With Audience QA
10:45 AM  Drug Eluting Stent Platforms and Outcomes 2018
Lecturers: Gennaro Sardella
10:57 AM  Roundtable Discussion With Audience QA
11:00 AM  Drug Eluting Stent Thrombosis and Restenosis: Mechanisms Frequency and Treatment
Lecturers: Binita Shah
11:12 AM  Roundtable Discussion With Audience QA
11:15 AM  Atherotomy Cutting Scoring Lithotrispy Atherectomy Rotational Orbital Laser and Embolic Protection
Lecturers: Robert T. Pyo
11:27 AM  Roundtable Discussion With Audience QA
11:30 AM  Aortic Valvular Heart Disease: Diagnosis and Treatment Options 2018
Lecturers: Nicola Corvaja
11:42 AM  Roundtable Discussion With Audience QA
11:45 AM  Mitral Valvular Heart Disease: Diagnosis and Treatment Options 2018
Lecturers: Ramon Quesada
11:57 AM  Roundtable Discussion With Audience QA

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
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

1:05 PM The Methods 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

4:25 PM - 5:00 PM

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 LIFE SCIENCES)

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

8:00 AM - 5:30 PM

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

8:00 AM  Welcome and Introduction
Lecturers: Rita Birchard

8:15 AM  TAVR Evolution and PARTNER Data Overview
Lecturers: Susheel K. Kodali

9:00 AM  Valve Clinic Structure and Patient Screening
Lecturers: Marian C. Hawkey

9:30 AM  Break

9:45 AM  Echocardiography for TAVR
Lecturers: Rebecca T. Hahn

10:15 AM  CT Imaging for TAVR
Lecturers: Torsten P. Vahl

10:45 AM  Transfemoral Procedure: Device Overview and Case Review
Lecturers: Tamim Nazif

11:45 AM  Break and Box Lunch

12:30 PM  Dont Dismiss the Importance of TAVR Economics
Lecturers: Heidi Myers

1:00 PM  Case Study Panel: Complex Cases and Complications  Alternative Access  Complex Cases and Challenging Anatomy and Complication Management
Lecturers: Mark J. Russo

2:30 PM  Hands on Workshops: Room 31A  CT Workstation Echo Workstation Procedure Simulator and Hands on Device Demonstration
Lecturers: Omar K. Khalique, M. Andrew Morse, MD

4:00 PM  Aortic and Mitral Valve in Valve Procedure and Case Review

4:45 PM  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
8:00 AM - 10:58 AM

Session I. SFA and Popliteal Therapies

Moderators: Gary M. Ansel, Ehrin J. Armstrong
Discussants: George S Chrysant, Eric J. Dippel, Osamu Iida, Sahil A. Parikh, Mehdi H. Shishehbor

8:00 AM  Case Study: A Long Segment SFA CTO
Case Presenter: Mohammad Mehdi Ansari

8:08 AM  How to Optimize Intraluminal Antegrade Crossing for SFA CTOs: Dedicated Wires and Crossing Devices
Lecturers: Steve Henao

8:16 AM  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: Ehrin J. Armstrong

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: Philip Green

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

10:44 AM  Debate: Common Femoral Artery Disease Should be Treated Surgically
Lecturers: Virendra I Patel

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
Discussants: Danielle Bajakian, Robert M. Bersin, Robert A. Lookstein, Rahul S. Patel, Kenneth Rosenfield, Craig M. Walker

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: Bryan T. Fisher

11:35 AM  Patient and Procedure Selection for Chronic Mesenteric Ischemia to Optimize Outcomes
Lecturers: S. Jay Mathews

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: S. Jay Mathews

12:04 PM  New Devices and Future Technologies for Management of Infarenal Abdominal Aortic Aneurysms
Lecturers: Robert M. Bersin

12:12 PM  Open vs. Endovascular Aortic Aneurysm Repair: Important Factors in Clinical Decision making
Lecturers: Virendra I Patel

12:20 PM  Management of Endoleaks and New Data on Long term Durability of Aortic Endografts
Lecturers: Rahul S. Patel

12:28 PM  Case Presentation: Complex Endograft FEVAR
  Case Presenter: Virendra I Patel

12:36 PM  Case Presentation: Endograft for Aortoiliac Occlusive and Aneurysmal Disease
  Case Presenter: Darren B Schneider

12:44 PM  Roundtable Discussion  Training Requirements for EVAR

12:54 PM - 2:32 PM  Session III. Venous Disease Therapies
Moderators: Raghu Kolluri, Mahmood K. Razavi

12:54 PM  After the ATTRACT Trial: Which Patients With Acute Deep Vein Thrombosis Should Receive Endovascular Therapy
  Lecturers: Teresa L. Carman

1:02 PM  Status of Venous Stents to Treat Venous Obstruction
  Lecturers: Mahmood K. Razavi

1:10 PM  Existing and Future Therapies for Chronic Deep Vein Thrombosis
  Lecturers: Rahul S. Patel

1:18 PM  Novel Therapies for Superficial Venous Insufficiency: Thermal and Non thermal Technologies
  Lecturers: Raghu Kolluri

1:26 PM  Case Presentation: Worst DVT Ever
  Case Presenter: Gregory Piazza

1:34 PM  Case Presentation: Reconstruction of Complex Venous Occlusion
  Case Presenter: John Moriarty

1:42 PM  Catheter Based Therapy for Acute Pulmonary Embolism: What Does the Data Tell Us
  Lecturers: Akhilesh K. Sista

1:50 PM  Emerging Technologies to Treat Acute Pulmonary Embolism
  Lecturers: Mahmood K. Razavi

1:58 PM  Case Presentation: Endovascular Treatment of a Massive Pulmonary Embolism
  Case Presenter: John Moriarty

2:06 PM  Indications for IVC Filters in 2018
  Lecturers: Ido Weinberg

2:14 PM  Case Presentation: Extreme IVC Filter Removal
  Case Presenter: John Moriarty

2:22 PM  Roundtable Discussion with Audience QA

2:32 PM - 4:10 PM  Session IV. Acute and Chronic Cerebrovascular Disease Therapies
Moderators: Aman B. Patel, Kenneth Rosenfield

2:32 PM  Carotid Artery Disease Access: Femoral Radial and Direct Carotid Techniques
  Lecturers: Mohammad Ali Aziz-Sultan

2:40 PM  Carotid Artery Disease Access: When and How Should a Difficult Arch be Navigated
  Lecturers: Adnan Siddiqui

2:48 PM  Carotid Artery Disease Technical Considerations: Embolic Protection Options and Selection
  Lecturers: Alexander A. Khalesi

2:56 PM  Carotid Artery Disease Patient Selection: Impact of Plaque Morphology and Advanced Imaging Options
3:04 PM  Carotid Artery Stenting: Synthesizing the Current Randomized Trial Evidence
Lecturers: Herbert D. Aronow

3:12 PM  Roundtable Discussion  Carotid Artery Disease Patient Selection and Technical Considerations

3:21 PM  Acute Stroke Treatments: Rapid Review of the Latest Data
Lecturers: Scott Silverman

3:29 PM  Logistics of Stroke Care: Requirements of an Effective Care System
Lecturers: Mohammad Ali Aziz-Sultan

3:37 PM  Role of Artificial Intelligence in Patient Selection

3:45 PM  Thrombectomy Techniques: Aspiration vs. Stent Retriever
Lecturers: Aman B. Patel

3:53 PM  Edges of Patient Selection for Stroke Thrombectomy: Low NIHSS and Large Core
Lecturers: Demetrius Lopes

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: Ehrin J. Armstrong, Danielle Bajakian, 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: Ehrin J. Armstrong

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

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

8:00 AM - 1:30 PM  Coronary Interventions and Technologies
Moderators: Robert S. Schwartz, Giuseppe Tarantini
Discussants: Fernando Alfonso, Antonio Colombo, Francesco Prati, Asif Qasim, Evelyn Regar, Carlos E. Uribe

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

9:20 AM - 10:20 AM  Innovations in Peripheral Vascular Interventions
Moderators: George L Adams, Tony Das

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 Brechtel

9:41 AM  Moderated Discussion with QA

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

9:55 AM  Percutaneous Deep Vein augmentation for the Treatment of Late Stage Critical Limb Ischemia:
The PROMISE Trial: Early Feasibility Interim Results LimFlow
Lecturers: Steve Henao

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 Burkoff, Ulrich P. Jorde
Discussants: Navin K. Kapur, John M. Losala, 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: Navin 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, Asif Qasim
Discussants: Peter J. Fitzgerald, Chaim S. Lotan, Lonny Reisman

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

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, Thomas Modine
Discussants: Hemal Gada, Isaac George, Adam B. Greenbaum, Ran Kornowski, Giuseppe Tarantini

Lecturers: Martin B. Leon

2:50 PM - 4:30 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

4:30 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

4:30 PM Featured Lecture: Catheter Based Tricuspid Intervention: Current Technical Challenges and Early Clinical Experiences
Lecturers: Maurizio Taramasso
4:38 PM  Simplifying TTVR with a Novel Cinching System Tricinch  
Lecturers: Jan Van der Heyden

4:45 PM  Minimally Invasive Tricuspid Valve Annuloplasty Repair Technology MIATM Microinterventional Devices: Early Clinical Experience  
Lecturers: Mathew Williams

4:52 PM  Transcatheter Tricuspid Valve Repair: Results From The Multicenter Trial 6 Month Outcomes  
Lecturers: Georg Nickenig

4:59 PM  Moderated Discussion With QA

5:05 PM  First in human Transcatheter Tricuspid Valve Repair by the Mistral device Mitralix  
Lecturers: Haim Danenberg

5:12 PM  Compassionate Use of the PASCAL System for Transcatheter Tricuspid Repair: A Multicenter First in Human Experience Edwards  
Lecturers: Ralph Stephan von Bardeleben

5:19 PM  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, Luis Mariano Palena, Ramon L Varcoe

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: Ramon L Varcoe

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, Jasvinder 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 - 3:00 PM
Main Arena, Hall F, Ground Level

8:00 AM - 9:30 AM
Live Cases #1
Live Case Moderators: Martin B. Leon, Roxana Mehran
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, Manish A. Parikh, 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 CenterRegional 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 - 9:36 AM
TCT 2018 - 30th Anniversary

9:30 AM
30th Anniversary
Moderators: Martin B. Leon, Gregg W. Stone

9:36 AM - 10:06 AM
Rapid Fire Case Controversies: Coronary
Moderators: Antonio Colombo, Ajay J. Kirtane
Discussants: Todd J. Brinton, Didier Carrié, Junbo Ge, Michael Haude, Stuart J. Head, Andrzej J. Ochala, Simon Redwood, Gennaro Sardella

9:36 AM
Complex Coronary Artery Disease: PCI vs. CABG
Case Presenter: Davide Capodanno

9:46 AM
STEMI With Multivessel Disease: How To Proceed
Case Presenter: Pieter C. Smits

9:56 AM
High Risk Elective PCI: Is Hemodynamic Support Necessary
Case Presenter: David G. Rizik

10:06 AM - 10:21 AM
TCT 2018 Geoffrey O. Hartzler Master Operator Award
Moderators: Martin B. Leon, Gregg W. Stone
Award Recipients: John G. Webb

10:06 AM
TCT 2018 Geoffrey O. Hartzler Master Operator Award
Lecturers: Martin B. Leon

10:21 AM - 11:21 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 Flensted Lassen, Tullio Palmerini, Sahil A. Parikh, Thomas Pilgrim, Mahmood K. Razavi, Manel Sabate

10:21 AM
IMPERIAL: A Randomized Trial of Drug Eluting Stents for Treatment of Femoropopliteal Artery Lesions
Lecturers: William A. Gray

10:33 AM
Roundtable Discussion

10:41 AM
BIONYX: A Randomized Trial Evaluating a Thin Composite Wire Strut Durable Polymer Based DES Compared with an Ultra Thin Strut Bioresorbable Polymer Based DES in an All Comers Patient Population
Lecturers: Clemens von Birgelen

10:53 AM
Roundtable Discussion

11:01 AM
ReCre8: A Randomized Trial Evaluating a Polymer Free Coronary Drug Eluting Stent in an All Comers Patient Population
Lecturers: Pieter R. Stella

11:13 AM
Roundtable Discussion

11:21 AM - 12:06 PM
Live Cases #2
Live Case Moderators: Ajay J. Kirtane
Live Case Co Moderators: Irene M. Long
Keynote Interventional Studies I: Endovascular Interventions

Saturday, September 22, 2018
1:00 PM - 2:00 PM
Ballroom 6A, Upper Level

Keynote Interventional Studies I: Endovascular Interventions
Moderators: Lindsay S. Machan, Craig M. Walker

1:00 PM IN.PACT DCB: Pooled Multistudy Assessment of Drug Coated Balloon Treatment for Femoropopliteal Peripheral Artery Disease
Lecturers: Mehdi 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

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, Tim P. Van de Hoef, Gerald S. Werner, Nick E. J. West

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 Escañed

4:10 PM Discussion

4:15 PM iFR SWEDEHEART: 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, Tony Das, 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: Oskar Kiwic

9:20 AM QA

9:30 AM Novel Transeptal 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 Bloodflow 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. Kutcher, Michelle O'Donoghue, Elmir Omerovic, Manel Sabate, Daniel I. Simon, Giuseppe Tarantini

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 conclusion

9:31 AM  Case Conclusion
  Lecturers: Elvin Kedhi

9:34 AM  DAPT Duration Case Presentation 2: PCI in Stable CAD With LMCAD 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, David L Fischman, Rajiv Gulati, 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 Positive...or 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
SATURDAY, SEPTEMBER 22, 2018
8:00 AM - 12:15 PM
Room 6D, Upper Level

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 Goran

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: Ulrich P. Jorde

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: Ted Feldman
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
          Lecturers: Daniel Burkhoff

11:52 AM  Treatment of LV Aneurysms: Revivent
          Lecturers: Horst Sievert

12:00 PM  Roundtable Discussion With Audience QA

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: Jonathon 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 Søndergaard

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

9:15 AM  Ulm University Germany
          Lecturers: Jochen Wöhrle

9:20 AM  Erasmus University The Netherlands
          Lecturers: Herbert Kroon

9:25 AM  Cedars Sinai Medical Center USA
          Lecturers: Tarun Chakravarty

9:30 AM  Discussion

9:15 AM  Ulm University Germany
          Lecturers: Jochen Wöhrle

9:20 AM  Erasmus University The Netherlands
          Lecturers: Herbert Kroon
9:25 AM  Cedars Sinai Medical Center USA
Lecturers: Tarun Chakravarty

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

9:15 AM  Ulm University Germany
Lecturers: Jochen Wöhrle

9:20 AM  Erasmus University The Netherlands
Lecturers: Herbert Kroon

9:25 AM  Cedars Sinai Medical Center USA
Lecturers: Tarun Chakravarty

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

10:20 AM  Rationale for Treating SASS and Update of the EARLY TAVR Trial
Lecturers: Allan Schwartz

10:28 AM  Who Should be Treated  The Role of Imaging Guidance in Patient Selection
Lecturers: Philippe Pibarot

10:33 AM  Who Should be Treated  The Role of Biomarkers in Patient Selection and Procedure Optimization
Lecturers: Eric Van Belle

10:38 AM  Putting It All Together: A Proposed New Staging Classification for Patients with Aortic Stenosis
Lecturers: Philippe Genereux

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

11:00 AM - 12:00 PM
Session 4: Bioprosthetic Aortic Valve Failure: Valve-in-Valve Treatment, Valve Leaflet Thrombosis, and Valve Durability
Moderators: Michael J. Mack, Bernard Prendergast
11:00 AM  Clinical Lessons from the Global Aortic VIVID Registry  Optimizing Procedural Outcomes  
Lecturers: John G. Webb

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. Dangas

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 - 6:02 PM
Room 2, Upper Level

2:00 PM - 3:23 PM  
Session V. Stent Thrombosis, Restenosis, and Drug-Coated Balloons  
Moderators: Fernando Alfonso, Azeem Latib  
Discussants: Hiram G. Bezerra, Joseph P. Carrozza Jr, 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  Are Drug Coated Balloons Acceptable or Preferred for Stent Eligible Small Coronary Arteries Insights From BASKET SMALL 2 and Other Experiences  
Lecturers: Bruno Scheller

2:50 PM  Next Generation Drug Coated Balloons: Limus and Beyond  
Lecturers: Juan F. Granada

2:58 PM  Role of Brachytherapy for Refractory ISR in 2018  
Lecturers: Ron Waksman

3:06 PM  Case Study: Mechanism and Treatment of Refractory ISR  
Case Presenter: Tayo A. Addo

3:13 PM  Roundtable Discussion With Audience QA

3:23 PM - 4:34 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 Stefanini, Corrado Tamburino, Robert-Jan van Geuns

3:23 PM  ABSORB Beyond 3 Years: ABSORB II 5 Year Data  
Lecturers: Patrick W. Serruys

3:30 PM  ABSORB Beyond 3 Years: ABSORB Japan 4 Year Data  
Lecturers: Kengo Tanabe

3:37 PM  ABSORB Beyond 3 Years: ABSORB China 4 Year Data  
Lecturers: Runlin Gao
3:44 PM  ABSORB Beyond 3 Years: ABSORB III 4 Year Data  
Lecturers: Dean J. Kereiakes

3:51 PM  ABSORB 4 Year Meta Analysis: Individual Patient Data Analysis  
Lecturers: Gregg W. Stone

3:58 PM  How to Improve BRS Outcomes: Focus on the Device  
Lecturers: Yoshinobu Ohnuma

4:06 PM  How to Improve BRS Outcomes: Focus on Imaging and Technique  
Lecturers: Ziad A. Ali

4:14 PM  Falcon Development and Status  
Lecturers: Richard J. Rapoza

4:19 PM  Roundtable Discussion With Audience QA

4:34 PM - 6:02 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

4:34 PM  Progress With Progressively Thin Strut Ultra High Molecular Weight PLLA Based Polymeric BRS: From Aptitude to Magnitude  
Lecturers: Juan F. Granada

4:44 PM  Ongoing Activities With a Radiopaque Tyrosine Carbonate Based Polymeric BRS: Fantom  
Lecturers: Ulf Landmesser

4:54 PM  Update With A Novel Thin Strut Hybrid Cell Design PLLA Based Polymeric BRS: MeRes 100  
Lecturers: Ashok Seth

5:04 PM  Latest Results and Future Directions With the DE Solve NXT PLLA Based BRS With Contoured Struts  
Lecturers: Alexandre Abizaid

5:14 PM  Emerging Polymeric and Metallic BRS from China  
Lecturers: Yaling Han

5:24 PM  Imaging and Clinical Results With the Latest Magmaris Magnesium Based Scaffold  
Lecturers: Michael Haude

5:34 PM  Flash Debate: Polymeric BRS Have the Edge  
Lecturers: Pieter C. Smits

5:39 PM  Flash Debate: Metallic BRS Have the Edge  
Lecturers: Ron Waksman

5:44 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: Peter Carson

2:14 PM  State of the Art: Invasive and Noninvasive Technologies for Monitoring Congestion  
Lecturers: William T. Abraham

2:31 PM  Cardiomems: Update and Ongoing Studies  
Lecturers: JoAnn Lindenfeld

2:45 PM  Endotronix: Differentiating Features and Results  
Lecturers: Katrin Leadley

2:59 PM  Noninvasive Monitoring With Sensible Medical for Preventing Heart Failure Rehospitalizations  
Lecturers: Daniel R. Bensimhon

3:13 PM  Roundtable Discussion With Audience QA

3:28 PM - 4:47 PM  Session II. Devices to Protect the Kidney and Reduce Congestion
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Lecturers</th>
</tr>
</thead>
<tbody>
<tr>
<td>3:28 PM</td>
<td>Congestion: A Problem of Capacitance Shift Not Total Salt and Water Excess</td>
<td>Paul A. Sobotka</td>
</tr>
<tr>
<td>3:36 PM</td>
<td>Intraaortic Continuous Flow Pumps for ADHF</td>
<td>Navin K. Kapur</td>
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<td>3:50 PM</td>
<td>Renal Vein Pressure Decompression for ADHF: Magenta</td>
<td>David D Israeli</td>
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<td>4:04 PM</td>
<td>Direct Lymphatic Decompression for ADHF: Whiteswell</td>
<td>William T. Abraham</td>
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<td>4:18 PM</td>
<td>Ventricular and Pulmonary Decompression by Intravenous Balloon Occlusion: PreCardia</td>
<td>Navin K. Kapur</td>
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<tr>
<td>4:32 PM</td>
<td>Roundtable Discussion With Audience QA</td>
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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

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Lecturers</th>
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<tbody>
<tr>
<td>2:00 PM</td>
<td>Case 1: Should This PFO Be Closed in a Patient With A Cryptogenic Stroke</td>
<td>Dominik M. Wiktor</td>
</tr>
<tr>
<td>2:08 PM</td>
<td>Updated RCT Data for PFO Closure in All Comers and Subgroups With Cryptogenic Stroke: How Should the Guidelines Be Updated</td>
<td>Konstantinos Dean Boudoulas</td>
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<tr>
<td>2:20 PM</td>
<td>Evolving PFO Closure Practice and Challenges in Canada</td>
<td>Eric Horlick</td>
</tr>
<tr>
<td>2:27 PM</td>
<td>Evolving PFO Closure Practice and Challenges in Asia</td>
<td>Teiji Akagi</td>
</tr>
<tr>
<td>2:34 PM</td>
<td>Evolving PFO Closure Practice and Challenges in Europe</td>
<td>Lars Sondergaard</td>
</tr>
<tr>
<td>2:41 PM</td>
<td>Evolving PFO Closure Practice and Challenges in the U.S.</td>
<td>Richard Smalling</td>
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<tr>
<td>2:48 PM</td>
<td>Roundtable Discussion With Audience QA</td>
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</table>

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

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Lecturers</th>
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</thead>
</table>
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

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, Henri Justino, Lars Sondengaard

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

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 O. 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
2:00 PM - 3:30 PM

**Session I. Group I - Pulmonary Arterial Hypertension**
Moderators: Ori Ben-Yehuda, Jay S. Giri
Discussants: Teresa L. Carman, Shao-Liang Chen, Chung-Ho Hsu, Irene M. Lang, Alex M. K. Rothman, Harsimran Sachdeva Singh

2:00 PM  **Overview of Group I Pulmonary Hypertension**  
Lecturers: Ori Ben-Yehuda

2:12 PM  **Pulmonary Artery Denervation I: Concepts and Preliminary 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: Vikas Aggarwal

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
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

5:00 PM  Minimalist TAVR for EVERYONE: Safe Efficient and Cost Effective
Lecturers: Vasilis Babaliaros

5:05 PM  Selective Minimalist TAVR Makes More Sense and Extreme Minimalism is Dangerous
Lecturers: Susheel K. Kodali

5:10 PM  Discussion

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

5:00 PM  Minimalist TAVR for EVERYONE: Safe Efficient and Cost Effective
Lecturers: Vasilis Babaliaros

5:05 PM  Selective Minimalist TAVR Makes More Sense and Extreme Minimalism is Dangerous
Lecturers: Susheel K. Kodali

5:10 PM  Discussion

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

5:00 PM  Minimalist TAVR for EVERYONE: Safe Efficient and Cost Effective
Lecturers: Vasilis Babaliaros

5:05 PM  Selective Minimalist TAVR Makes More Sense and Extreme Minimalism is Dangerous
Lecturers: Susheel K. Kodali

5:10 PM  Discussion

5:27 PM  The Rapid Emergence of Trans Caval TAVR: Techniques and Clinical Outcomes
Lecturers: Adam B. Greenbaum

5:32 PM  Percutaneous Trans axillary TAVR: A Step by Step Tutorial
Lecturers: Amir Kaki

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

5:00 PM  Minimalist TAVR for EVERYONE: Safe Efficient and Cost Effective
Lecturers: Vasilis Babaliaros

5:05 PM  Selective Minimalist TAVR Makes More Sense and Extreme Minimalism is Dangerous
Lecturers: Susheel K. Kodali

5:10 PM  Discussion

5:27 PM  The Rapid Emergence of Trans Caval TAVR: Techniques and Clinical Outcomes
Lecturers: Adam B. Greenbaum

5:32 PM  Percutaneous Trans axillary TAVR: A Step by Step Tutorial
Lecturers: Amir Kaki

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

5:00 PM  Minimalist TAVR for EVERYONE: Safe Efficient and Cost Effective
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<td>Percutaneous Trans axillary TAVR: A Step by Step Tutorial</td>
<td>Amir Kaki</td>
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<td>5:49 PM</td>
<td>A Clinical Algorithm for Diagnosing and Managing Patients with Low Flow Low Gradient Aortic Stenosis</td>
<td>Philippe Pibarot</td>
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<tr>
<td>5:00 PM</td>
<td>Minimalist TAVR for EVERYONE: Safe Efficient and Cost Effective</td>
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**TCT ENDOVASCULAR: FELLOWS COURSE**

**SATURDAY, SEPTEMBER 22, 2018**
**8:00 AM - 11:00 AM**
**Room 338-C, Upper Level**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Lecturers</th>
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<tbody>
<tr>
<td>8:00 AM</td>
<td>Training in Endovascular Intervention</td>
<td>Sahil A. Parikh</td>
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<tr>
<td>8:10 AM</td>
<td>Roundtable Discussion With Audience QA</td>
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<tr>
<td>8:15 AM</td>
<td>Highlights From the Updated PAD Guidelines and SCAI AUC</td>
<td>Douglas E. Drachman</td>
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<td>8:25 AM</td>
<td>Roundtable Discussion With Audience QA</td>
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<tr>
<td>8:30 AM</td>
<td>Most Important Clinical Trials in Vascular Medicine and Intervention in the Past 10 Years</td>
<td>Jay S. Giri</td>
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<tr>
<td>8:45 AM</td>
<td>Roundtable Discussion With Audience QA</td>
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**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
**Discussants:** Anvar Babaev, Subhash Banerjee, Raghu Kolluri, Kenneth Rosenfield, Mehdi H. Shishehbor

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<tr>
<td>8:50 AM</td>
<td>Clinical Pearls: Carotid Disease Diagnosis and Treatment</td>
<td>Herbert D. Aronow</td>
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<tr>
<td>9:00 AM</td>
<td>Clinical Pearls: Lower Extremity PAD Diagnosis and Treatment</td>
<td>Douglas E. Drachman</td>
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<tr>
<td>9:10 AM</td>
<td>Clinical Pearls: CLI Diagnosis and Treatment</td>
<td>Mehdi H. Shishehbor</td>
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<tr>
<td>9:20 AM</td>
<td>Clinical Pearls: VTEPE Diagnosis and Treatment</td>
<td>Kenneth Rosenfield</td>
</tr>
<tr>
<td>9:30 AM</td>
<td>Clinical Pearls: AAA Diagnosis and Treatment</td>
<td>Ehrin J. Armstrong</td>
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<tr>
<td>9:40 AM</td>
<td>Clinical Pearls in Superficial Venous Disease</td>
<td>Raghu Kolluri</td>
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</table>
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: Aman B. Patel
Discussants: Gavin Britz, Matthew Koch, Virendra I Patel, Adnan Siddiqui, Scott Silverman, Jose M. Wiley

12:15 PM  Case 1: Carotid Artery Intervention for Asymptomatic Carotid Artery Stenosis: Why And How  
Case Presenter: Scott Silverman

12:25 PM  Case 2: Carotid Artery Intervention After Stroke: Timing and Other Considerations  
Case Presenter: Scott Silverman

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: Gavin Britz

1:05 PM  Case 6: Trans Cervical Carotid Artery Stenting: Silk Road  
Case Presenter: Charles Matouk

1:15 PM  Case 7: Stenting of Vertebral Artery Origin: Indications Techniques Complications  
Case Presenter: Rahul Sakhuja

1:25 PM  Case 8: Wingspan Stenting for Intracranial Atherosclerosis  
Case Presenter: Matthew Koch

1:35 PM  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
Expert Case Reviews: SFA, Popliteal, and Below the Knee Intervention

Moderators: Herbert D. Aronow, Brian G. DeRubertis
Discussants: Philip Green, Osamu Iida, Andrew J. Klein, Arthur C. Lee, Matthew T. Menard, Kenneth Rosenfield

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

12:25 PM Case 2: Crack and Pave Technique for a Highly Calcified SFA  
Case Presenter: Ethan C Korngold

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: Luis Mariano Palena

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 Critical Limb Ischemia Deep Dive

Moderators: Ehrin J. Armstrong, Sahil A. Parikh
Discussants: Masahiko Fujihara, 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-Sandoval

2:39 PM Role of Atherectomy in Treating Tibial Vessels: Case Examples and Data  
Lecturers: Nicolas W Shammas

2:45 PM Intravascular Imaging to Optimize Tibial Interventions  
Lecturers: Steve Henao

2:51 PM Debate: Pedal Loop Angioplasty is Crucial to Optimize Wound Healing  
Lecturers: Peter A. Soukas

2:56 PM Debate: Pedal Loop Angioplasty Does Not Improve Outcomes in CLI  
Lecturers: George L Adams

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: Mehdi 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, Jeehoon Kang, Sreenivas Arramraju Kumar, 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
Case Presenter: 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
Case Presenter: Ashok Dutta
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
Case Presenter: Wen-Liang Lee
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, Muhamed Saric

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

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

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

12:28 PM Comprehensive CV Risk Reduction Strategy in Diabetics
Lecturers: Kurt Huber

12:36 PM Medical Therapy for Whom and When: What is the Ceiling of Medical Therapy
Lecturers: Norman E. Lepor

12:44 PM Newer Diabetes Agents: What All Interventional Cardiologists Need to Know
Lecturers: Steven P. Marso

12:52 PM Roundtable Discussion With Audience QA

1:00 PM CABG Remains the Default Therapy For All Diabetics With Multivessel and Left Main Disease

1:08 PM When is PCI a Valid Alternative To Only Medical Therapy or CABG in the Diabetic Patient
Lecturers: Sripal Bangalore

1:16 PM Complete Revascularization is the Missing Link to Improve Diabetic PCI Outcomes
Lecturers: J. Aaron Grantham

1:24 PM CHIP in The Diabetic Patient: Special Considerations
Lecturers: Cindy L. Grines

1:32 PM Roundtable Discussion With Audience QA
**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  
**Discussants:** William R. Auger, Riyaz Bashir, Nick H. Kim, Hiromi Matsubara, John Moriarty, Francesco Saia

**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

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**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 - 1:53 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: The Sapien Double Trouble**  
**Case Presenter:** Gareth J Morgan

**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: A Pesky ASD With Help From Modelling**  
**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 After Atrial 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

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**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: Alfredo R. Galassi, Junbo Ge, Lukasz Klima, Alexander Grigorievich Osiev, 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

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**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

12:15 PM - 1:45 PM  **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, Daniel I. Simon

12:15 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: Henning Kelbæk, Ran Kornowski
Discussants: Nirat Beohar, Miroslaw Ferenc, Mamas Mamas, James Nolan, Thomas M. Tu, 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: Waleed El Awady

1:00 PM Case 5: A Complication That Occurred When I Treated a Post MI VSD
Case Presenter: Biswajit 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: Dmitriy N. Feldman

1:40 PM Take Home Messages: What Did We Learn From These Cases
Lecturers: Henning Kelbæk

COMPLEX INTERVENTIONS: EXPERT CASE REVIEWS - MITRACLIP COMPLEX CASE STUDIES AND TECHNIQUE

SATURDAY, SEPTEMBER 22, 2018
12:15 PM - 1:45 PM
Room 29A-B, Upper Level

12:15 PM - 1:45 PM
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 Schöfer

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: A Complex Mitraclip XT Case  
   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

COMPLEX INTERVENTIONS: EXPERT CASE REVIEWS - TAVR VALVE IN VALVE, VALVE IN RING, VALVE IN MAC, AND VALVE IN BICUSPID AS

SATURDAY, SEPTEMBER 22, 2018  
12:15 PM - 1:46 PM  
Room 26A-B, Upper Level

12:15 PM - 1:46 PM  
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, Vivek Rajagopal

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: Adrian 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: Philippe Pibarot

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: Simon Redwood

1:41 PM  Take Home Messages: What Did We Learn From These Cases  
   Lecturers: Massimo Napodano

SPECIAL SESSION: FEATURED SESSION FOR INTERNATIONAL ADVISORY FACULTY- THE BEST OF INDIA: PRACTICE PATTERNS IN MODERN INTERVENTIONAL CARDIOLOGY

SATURDAY, SEPTEMBER 22, 2018
8:30 AM - 10:00 AM  
Room 24A-B, Upper Level

8:30 AM - 10:00 AM  
Featured Session for International Advisory Faculty The Best of India Practice Patterns in Modern Interventional Cardiology  
   Moderators: Samuel K Mathew, Manish A. Parikh, Ashok Seth  
   Discussants: Vinay K. Bahl, Fatema Begum, Upen德拉 Kaul, Sreenivas Arramraju Kumar, Sundeep Mishra, Nikhil Parchure
8:30 AM  Introduction and Session Goals
Lecturers: Manish A. Parikh

8:34 AM  Complex Multivessel PCI: CABG is Not Always an Option  Case Introduction
Case Presenter: Sreenivas Arramraju Kumar

8:40 AM  Advisory Faculty Surveys With Q and A: How Should This Case Be Performed

8:50 AM  Complex Multivessel PCI: CABG is Not Always an Option  Case Conclusion
Case Presenter: Sreenivas Arramraju Kumar

8:56 AM  Roundtable Discussion With Audience QA

9:01 AM  STEMI Presentation: Thrombus and Beyond  Case Introduction
Case Presenter: Kirti Punamia

9:07 AM  Advisory Faculty Surveys With Q and A: How Should This Case Be performed

9:17 AM  STEMI Presentation: Thrombus and Beyond  Case Conclusion
Case Presenter: Kirti Punamia

9:23 AM  Roundtable Discussion With Audience QA

9:28 AM  Multivessel CAD and Congestive Heart Failure  Case Introduction
Case Presenter: Vinay K. Bahl

9:34 AM  Advisory Faculty Surveys With Q and A: How Should This Case Be performed

9:44 AM  Multivessel CAD and Congestive Heart Failure  Case Conclusion
Case Presenter: Vinay K. Bahl

9:50 AM  Roundtable Discussion With Audience QA

9:55 AM  Summary and Take Home Messages
Lecturers: Ashok Seth

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**SPECIAL SESSION: 16TH ANNIVERSARY HBD (HARMONIZATION BY DOING)**

**SATURDAY, SEPTEMBER 22, 2018**

9:00 AM - 5:00 PM
Room 27A-B, Upper Level

9:00 AM - 9:30 AM  Introduction and Prospect of HBD Activities
Moderators: Mitchell W. Krucoff

9:00 AM  History of HBD Activity
Lecturers: Neal Fearnot

9:15 AM  Introduction of HBD for children
Lecturers: Koji Mineta

9:30 AM - 10:45 AM  How Can We Generate Robust Real-World Evidence From Global Real-World Data?
Moderators: John C Laschinger

9:30 AM  The Current Situation and Perspective in US RAPID NEST
Lecturers: Mitchell W. Krucoff

9:40 AM  The Current Situation and Perspective in Japan and International Activity CIN IMDRF

9:50 AM  The Effort of Generating Robust RWE From US Industry
Lecturers: Theodore Heise

10:00 AM  Seeking a More Effective Way of Utilizing Big Data From Daily Practice in Japan
Lecturers: Tetsuya Amano

10:10 AM  How We Can Utilize the RWE for Regulatory Decision Making FDA Perspective
Lecturers: John C Laschinger

10:20 AM  Panel Discussion

10:45 AM - 11:00 AM  Break

11:00 AM - 12:30 PM  Thinking About the Clinical Positioning of Percutaneous Mitral Regurgitation (MR) and Tricuspid Regurgitation (TR) Valve-Related Devices in the Maturity Stage of
Surgical Treatment
Moderators: Philippe Genereux, Shigeru Saito
Discussants: Jaime Raben

11:00 AM Global Early Feasibility Study: Novel Mitral Regurgitation Valve Treatment Device
Lecturers: Robert J Thatcher

11:10 AM The Current Situation and Trend for the MR and TR Valve Related Devices
Lecturers: Fumiaki Ikeno

11:20 AM MR and TR Valve Related Device Will be a Game Changer From US Academias Prospective
Lecturers: Philippe Genereux

11:30 AM MR and TR Valve Related Device Will be a Game Changer From Japanese Academias Prospective Based on Post Market Surveillance in Japan
Lecturers: Makoto Amaki

11:40 AM Points to Consider in the Review of MR and TR Valve Related Devices FDAs View
Lecturers: Ankurita Datta

11:50 AM Points to Consider in the Review of MR and TR Valve Related Devices PMDas View
Lecturers: Akihide Konishi

12:00 PM Panel Discussion

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

1:30 PM - 3:30 PM
What is the Appropriate Definition and Treatment for High Risk Bleeding Patients? “Focused on Short DAPT for Coronary DES and Left Atrial Appendage Closure Device (LAAC Device)
Moderators: Kenneth J. Cavanaugh Jr, Hiroyoshi Yokoi
Discussants: Lydia S Glow

3:30 PM - 3:45 PM
Break

3:45 PM - 5:00 PM
Rethink of the Clinical Position for Renal Sympathetic Denervation (RDN) Based on Current Evidence
Moderators: Kenneth J. Cavanaugh Jr, Takafumi Ueno

3:45 PM The Overview of Current Evidence of RDN: The Result of RADIANCE HTN SOLO Trial and SPYRAL HTN on MED Trial
Lecturers: Laura Mauri

3:55 PM What are the Suitable Target Patients and Endpoints for RDN Based on the Current Evidence
Lecturers: Felix Mahfoud

4:05 PM Japanese Perspective and Experience on RDN Studies
Lecturers: Takafumi Ueno

4:15 PM Point to Consider in the Review of the RDN Related Devices: US Regulatory
Lecturers: Hiren Mistry

4:25 PM Panel Discussion

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 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
# SPECIAL @TCT SESSION: CVREP@TCT - THE CHIP FORUM

**SATURDAY, SEPTEMBER 22, 2018**  
2:30 PM - 4:00 PM  
Room 23B-C, Upper Level

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<td>2:30 PM</td>
<td>Fascinating QA</td>
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| 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. Madder* |                                        |
| 2:55 PM| Fascinating QA                                                      |                                        |

## 2:30 PM - 2:35 PM  
**Introduction and Session Goals**  
Lecturers: Mohamed Ahmed Sobhy

## 2:35 PM - 3:05 PM  
**Session I. Calcified Lesions**  
**Moderators:** Amr Kamal, Mohamed Ahmed Sobhy, Sherif Wagdy  
**Discussants:** Tarek Helmy, Ali Oto

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| 2:35 PM| **Case 1:** Complex Diffuse Coronary Artery Disease  
*Case Presenter: Amr Mahmoud Zaki* |                                    |
| 2:45 PM| Roundtable Discussion                                               |                                    |
| 2:50 PM| **Case 2:** Complex Multivessel PCI With Severely Calcified Lesions  
*Case Presenter: Mohamed Sadaka* |                                    |
| 3:00 PM| Roundtable Discussion                                               |                                    |

## 3:05 PM - 4:00 PM  
**Session II. CTO**  
**Moderators:** Amr Kamal, Mohamed Ahmed Sobhy, Sherif Wagdy  
**Discussants:** Ayman Abou El Magd, Ziad A. Ali, Tyrone J. Collins

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| 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

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<th>Time</th>
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<th>Lecturers</th>
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| 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 Elsayed Elsetiha* |                            |
| 3:50 PM| Roundtable Discussion                                               |                            |
| 3:55 PM| Summary and Take Home Messages                                       | Ori Ben-Yehuda              |

## SPECIAL @TCT 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

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**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, Lawrence A. Garcia*

*Discussants: Evald H. Christiansen, Giuseppe De Luca, William A. Gray, Mahmood K. Razavi, Luigi Salemme, Patrick W. Serruys, Pieter R. Stella, Clemens von Birgelen*

- **5:00 PM** **BIONYX: Summary and Clinical Implications**
  Lecturers: Clemens von Birgelen

- **5:05 PM** **Discussion**
  Discussants: Clemens von Birgelen

- **5:15 PM** **TALENT: Summary and Clinical Implications**
  Lecturers: Patrick W. Serruys

- **5:20 PM** **Discussion**
  Discussants: Patrick W. Serruys

- **5:30 PM** **ReCre8: Summary and Clinical Implications**
  Lecturers: Pieter R. Stella

- **5:35 PM** **Discussion**
  Discussants: Pieter R. Stella

- **5:45 PM** **IMPERIAL: Summary and Clinical Implications**
  Lecturers: William A. Gray

- **5:50 PM** **Discussion**
  Discussants: William A. Gray
PRESENTATION THEATER PROGRAM: CONTRAST-INDUCED ACUTE KIDNEY INJURY: PREVENTIVE MEASURES THAT WORK (ORGANIZED BY CRF, SPONSORED BY ABIOMED, INC., GE HEALTHCARE, AND OSPREY MEDICAL)

SATURDAY, SEPTEMBER 22, 2018
11:30 AM - 12:30 PM
Presentation Theater 2, Hall B2, Ground Level

11:30 AM - 12:30 PM
Contrast-Induced Acute Kidney Injury: Preventive Measures that Work in High Risk Patients
Chairs: Roxana Mehran
Faculty: Emmanouil S. Brilakis, Michael P. Flaherty, Vishal Gupta, MD, Hitinder S. Gurm

11:30 AM
Renal Function Contrast Media Dosing in High Risk Patient Populations
Lecturers: Hitinder S. Gurm

11:40 AM
Impella Assisted PCI and a Strategy to Prevent AKI in High Risk Patients
Lecturers: Michael P. Flaherty

11:50 AM
Effect of MARCE Incidence and Economic Impact Resulting From Contrast Media Use in the Cath Lab
Lecturers: Emmanouil S. Brilakis

12:00 PM
Development of a Kidney Care Protocol in the Cath Lab: Screening Hydration and Dye Minimization
Lecturers: Vishal Gupta, MD

12:10 PM
Panel Discussion and QA

12:30 PM
Adjourn

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, Exhibit Hall, Ground Level

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
Lecturers: Michael J. Rinaldi

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, Exhibit Hall, Ground Level
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, Pasi Karjalainen, 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: Pasi 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

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**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, Exhibit Hall, Ground Level

**11:30 AM - 12:30 PM**

**Transradial Angio Club - Complex Coronary Interventions Symposium**

*Chairs: Manish A. Parikh*

*Faculty: J. Dawn Abbott, Kevin J. Croce, Yuji Ikari, Azeem Latib, John C. Wang*

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**PRESENTATION THEATER PROGRAM: ACCESSING AND TREATING LOWER LIMB DISEASE WITH SUPERA (SPONSORED BY ABBOTT)**

**SATURDAY, SEPTEMBER 22, 2018**

1:00 PM - 2:00 PM

Presentation Theater 2, Hall B2, Ground Level

**1:00 PM - 2:00 PM**

**Accessing and Treating Lower Limb Disease With Supera**

*Faculty: Ethan C Korngold, Mehdi H. Shishehbor*

1:00 PM  Welcome

1:05 PM  Accessing and Crossing Lower Limb Disease  
*Lecturers: Ethan C Korngold*

1:35 PM  Treating Lower Limb Disease With Supera

1:50 PM  Closing Remarks  
*Lecturers: Ethan C Korngold*

2:00 PM  Adjourn

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**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)**
**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*

1:00 PM  **An SDM Primer for TAVR**

*Lecturers: Megan Coylewright*

1:08 PM  **Patient Access Challenges Secondary to Current TAVR-SAVR Site Availability**

*Lecturers: Tsuyoshi Kaneko*

1:15 PM  **Discussion**

*Moderators: Wilson Y. Szeto*

1:20 PM  **Brief 3M Like Case Presentation Articulating the Minimalist Credo**

*Lecturers: David A. Wood*

1:27 PM  **Changes Necessary to Transform TAVR into a Gold Standard Therapy**

*Lecturers: Sandra Lauck*

1:34 PM  **Gentle Warning Against Extreme Minimalism Strategies**

*Lecturers: Martin B. Leon*

1:39 PM  **Discussion**

*Moderators: Vinod H. Thourani*

1:45 PM  **SAPIEN 3 Ultra Case and Technology**

*Lecturers: John G. Webb*

1:52 PM  **CENTERA is Next on the Horizon**

*Lecturers: Martin B. Leon*

1:57 PM  **Discussion**

*Moderators: John G. Webb*

2:00 PM  **Final Thoughts  Adjourn**

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**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, Exhibit Hall, Ground Level**

**Prepare to Succeed in Complex PCI:  Case-Based Insights for Technical Success Through Advanced Guidance and Treatment Tools**

*Chairs: Ehrin J. Armstrong*

*Lecturers: Farouc A Jaffer*

*Faculty: Kevin J. Croce, Javier Escaned*

1:00 PM  **Introductions**

*Moderators: Ehrin J. Armstrong*

*Lecturers: Kevin J. Croce, Javier Escaned, Farouc A Jaffer*

1:05 PM  **The Future of Physiology: Complex PCI Guidance**

*Lecturers: Javier Escaned*

1:20 PM  **How to Deal With ISR and Multi layer ISR**

*Lecturers: Kevin J. Croce*
Improving Complex PCI Outcomes With IVUS
Lecturers: Farouc A Jaffer

Conclusions and Questions
Moderators: Ehrin J. Armstrong
Discussants: Kevin J. Croce, Javier Escaned, Farouc A Jaffer

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, Exhibit Hall, Ground Level

1:00 PM - 2:00 PM
The Case for Complete Cerebral Embolic Protection - REFLECT
Chairs: Alexandra J. Lansky, Tamim Nazif
Faculty: Abhijeet Dhoble, MD, Dariusz Dudek, John K. Forrest, Michael J. Mack, Raj Makkar, Jeffrey W. Moses, Joachim Schofer, Rahul Sharma

- Current Cerebral Embolic Protection Landscape  Keystone Heart TriGUARD Data Review
  Lecturers: Jeffrey W. Moses
- REFLECT Clinical Update with TriGUARD 3
  Lecturers: Tamim Nazif
- TriGUARD 3 Case Presentation  Early US Experience
  Lecturers: Michael J. Mack
- TriGUARD 3 Post Market EU Registry Plan
  Lecturers: Dariusz Dudek
- The Importance of DW MRI and Longitudinal Impact of Cerebral Ischemic Lesions
  Lecturers: John K. Forrest
- Cerebral Embolic Protection Panel Discussion
  Lecturers: Alexandra J. Lansky

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, Exhibit Hall, Ground Level

1:00 PM - 2:00 PM
The RADIANCE Global Clinical Trial Program: The Future of Renal Denervation is SOUND!
Chairs: Ajay J. Kirtane
Faculty: Melvin D. Lobo, Felix Mahfoud

- Introduction to Session
  Lecturers: Ajay J. Kirtane
- RADIANCE HTN SOLO off medication cohort: in depth analysis of primary efficacy and safety outcomes
  Lecturers: Ajay J. Kirtane
- Q & A
- RDN procedure with the ReCor Paradise technology: anatomy treatment location procedure standardization and simplicity
  Lecturers: Felix Mahfoud
- Q & A
- Clinical Context of SOLO Results and the RADIANCE Global Clinical Trial Program
  Lecturers: Melvin D. Lobo
- Q & A Close session
- Adjourn

TRAINING: ABBOTT PAVILION #1 - MITRACLIP NTR & XTR: DEVICE & PROCEDURAL TECHNIQUES
**MitraClip NTR & XTR: Device & Procedural Techniques**

Interactive Training Faculty: Anita Asgar, Wayne B. Batchelor, Bassem Chehab, Paolo Denti, Rodrigo Estevez-Loureiro, James B. Hermiller Jr, Paul D. Mahoney, Andrew Morse, Ahmed I Mustafa, Mark J. Ricciardi, Michael J. Rinaldi, David G. Rizik, Evelio Rodriguez, Joshua Rovin, Gagan D Singh, Maurizio Taramasso

8:00 AM  Introduction
8:05 AM  Didactic Device Overview
8:25 AM  Hands on Device Deployment

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**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

**Imaging/Physiology: Optimize PCI - New Physiologic Indices and High Definition IVUS**
Interactive Training Faculty: Yiannis S Chatzizisis, William F. Fearon, Allen Jeremias, Morton J. Kern

8:00 AM  Welcome Remarks
8:05 AM  Coronary physiology toolbox and new options in non hyperemic pressure ratios NHPR
8:12 AM  When to use what in coronary physiology
8:19 AM  FFR best practices and common artifacts
8:27 AM  HD IVUS in complex cases

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**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

**Prepare to Succeed in Complex PCI**
Interactive Training Faculty: George S Chrysant, Ajay J. Kirtane, Sukhjinder S Nijjer, Bruce Samuels, Jasvindar Singh, Joachim Weil

8:00 AM  Introduction
8:05 AM  Topic 1 Procedural Guidance with iFR co registration Hands on Featured Devices: iFR Co Registration on SyncVision
8:25 AM  Topic 2: Visualizing in stent restenosis with IVUS co registration Hands on Featured Devices: IVUS Co Registration on SyncVision
8:45 AM  Topic 3: Vessel Treatment Preparation Case Review Featured Devices: ELCA Laser Atherectomy AngioSculpt
9:05 AM  Topic 4: Vessel Preparation with laser atherectomy Hands on Featured Devices: ELCA Laser Atherectomy simulation
9:25 AM  Closing Adjourn

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**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
8:00 AM - 9:30 AM
**BTK (Tibiopedal Access) Session I**
Interactive Training Faculty: George L Adams, Mohammad Mehdi Ansari, Philip Green, Karthik R. Gujja, Jun Li, Aravinda Nanjundappa, Justin A. Ratcliffe, Ramzan Zakir

8:00 AM  Video Introduction: The Need for Guided Alternate Access Tibiopedal Antegrade

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**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

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8:00 AM - 9:30 AM
**Large Bore Access and Closure**

- 8:00 AM  Percutaneous Axillary Access
  - Large Bore Access and Closure: Overview
    - Interactive Training Faculty: Amir Kaki, Rajiv Tayal

- 8:10 AM  Hands on Percutaneous Axillary Access
  - Large Bore Access and Closure

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**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

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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, Omar K. Khalique, Brij Maini, Robert J. Sommer, Torsten P. Vahl

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**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

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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

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**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

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8:00 AM - 9:30 AM
**Advancing Anesthesia Care**

- Interactive Training Faculty: George Gellert, Chad Kliger, Komal D Patel, 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*

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**
*Imaging/Physiology: Optimize PCI - New Physiologic Indices and High Definition IVUS*
Interactive Training Faculty: Yiannis S Chatzizisis, Allen Jeremias, Morton J. Kern

- **10:00 AM** Welcome Remarks
- **10:05 AM** Coronary physiology toolbox and new options in non hyperemic pressure ratios NHPR
- **10:12 AM** When to use what in coronary physiology
- **10:19 AM** FFR best practices and common artifacts
- **10:27 AM** HD IVUS in complex cases

### 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

**10:00 AM - 11:30 AM**
*Prepare to Succeed in Complex PCI*
Interactive Training Faculty: George S Chrysant, Sukhjinder S Nijjer, Manish A. Parikh, Bruce Samuels, Jasvindar Singh, Joachim Weil

- **10:00 AM** Introduction
- **10:05 AM** Topic 1 Procedural Guidance with iFR co registration Hands on Featured Devices: iFR Co Registration on SyncVision
- **10:25 AM** Topic 2: Visualizing in stent restenosis with IVUS co registration Hands on Featured Devices: IVUS Co Registration on SyncVision
- **10:45 AM** Topic 3: Vessel Treatment Preparation Case Review Featured Devices: ELCA Laser Atherectomy AngioSculpt
- **11:05 AM** Topic 4: Vessel Preparation with laser atherectomy Hands on Featured Devices: ELCA Laser Atherectomy simulation
- **11:25 AM** Closing Adjourn

### 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
**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

- **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
    Hands On
    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, Omar K. Khaliq, Chad Kliger, Brij Maini, Tamim Nazif, Torsten P. Vahl

**TRAINING: MEDITRONIC PAVILION #2 - PV-SFA INTERVENTION IN COMPLEX LESIONS**

**SATURDAY, SEPTEMBER 22, 2018**
10:00 AM - 11:30 AM
MEDITRONIC PAVILION, Interactive Training Workshops (Sails Pavilion), Upper Level

**10:00 AM - 11:30 AM**
PV-SFA Intervention in Complex Lesions
Interactive Training Faculty: Samer Abbas, S. Hinan Ahmed, Dmitriy N. Feldman

- **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**

**SATURDAY, SEPTEMBER 22, 2018**
10:00 AM - 11:30 AM
TAVR PAVILION, Interactive Training Workshops (Sails Pavilion), Upper Level

**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**

**SATURDAY, SEPTEMBER 22, 2018**

12:00 PM - 1:30 PM

ABBOTT PAVILION, Interactive Training Workshops (Sails Pavilion), Upper Level

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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

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**TRAINING: BOSTON SCIENTIFIC PAVILION #3 - OPTIMIZATION OF DRUG ELUTION IN THE SFA: RESULTS FROM THE WORLDS 1ST HEAD-TO-HEAD DES TRIAL IN PVD Eluvia VS Zilver PTX**

**SATURDAY, SEPTEMBER 22, 2018**

12:00 PM - 1:30 PM

BOSTON SCIENTIFIC PAVILION, Interactive Training Workshops (Sails Pavilion), Upper Level

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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, Carlos I. Mena-Hurtado, 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
- **12:45 PM** Physician Panel Discussion

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**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

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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

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**TRAINING: ABBOTT PAVILION #4- SAVE THAT SIDE BRANCH! PRESERVING SIDE BRANCH ACCESS: A HANDS-ON PRACTICAL SKILLS LAB**
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

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, Anvar Babaev, 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

2:00 PM - 3:30 PM
Understanding and Preparing for New Structural Heart Disease Interventions
Interactive Training Faculty: Tilak Pasala, Robert A. Quaife

TRAINING: ENDOVASCULAR PAVILION #3 - TIBIOPEDAL ACCESS

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 - HEMODYNAMICS OF SHOCK AND HIGH RISK PCI
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. Meraaj

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: Rebecca T. Hahn, Omar K. Khalique, Chad Kliger, Brij Maini, Tamim Nazif, Gagan D Singh, 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, James L. Velianou, 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
### 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** 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

- **4:00 PM - 5:30 PM** Understanding and Preparing for New Structural Heart Disease Interventions  
  *Interactive Training Faculty: Tilak Pasala, Robert A. Qualfe, Dominik M. Wiktor*

### 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-Sandoval, 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
  - **4:00 PM** Patient Identification  
    *Interactive Training Faculty: Hiram G. Bezerra*
  - **4:20 PM** Simulated Cases on HRPCI Hands On  
    *Interactive Training Faculty: Mauricio G. Cohen, Duane S. Pinto*
  - **4:55 PM** InsertionRepositioning: Hands On
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, Omar K. Khalique, Chad Kliger, Brij Maini

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

- 4:00 PM  Introduction
- 4:05 PM  Case Based Learning
- 4:45 PM  QA and Simulator Hands on

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

SATURDAY, SEPTEMBER 22, 2018
10:00 AM - 11:30 AM
Room 24A-B, Upper Level

10:00 AM - 10:45 AM
Session I. Giant Thrombus During Primary PCI in STEMI
Moderators: Ngai-Yin Chan, Afzalur Rahman
Discussants: Khaldoun Ben Hamdo, Habib Gamra, Nam 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: Nam Momennuzzaman

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 Hamda, Habib Gamra, Abdullah Shehab
Discussants: Ngai-Yin Chan, Nam Momennuzzaman, 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

SUNDAY, 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 Kala, Jochen Wöhrle
Discussants: Dariusz Dudek, Martin Hudec, Wojtek Wojakowski

10:30 AM  Introduction: Czech Republic Wojwi
Lecturers: Petr Kala

10:35 AM  Slovakia Presents: Introducing a Complex Case With a True Bifurcation Lesion
Case Presenter: Milan Dragula

10:45 AM  Germany Comments: How Would I Treat This Case
Case Presenter: Michael Haude

10:52 AM  Slovakia Presents: How Did I Treat This Case
Case Presenter: Milan Dragula

10:59 AM  Slovakia Presents: Current Knowledge Approach to True Bifurcation Lesions
Case Presenter: Anton Farkas

11:05 AM  Poland Presents: Introducing a Case of a Very Complex True Bifurcation Lesion
Case Presenter: Stanislaw Bartus

11:12 AM  Czech Republic Comments: How Would I Treat This Case
Case Presenter: Pavel Cervinka

11:19 AM  Poland Presents: How Did I Treat This Case
Case Presenter: Stanislaw Bartus
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, Robaayah 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 Thrombus With Case Studies
Case Presenter: Won Azman Wan 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

3:30 PM - 5:00 PM 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, Jacapo A. Oreiglia, 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 What's 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

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**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

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8:30 AM - 10:30 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  
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: Jihad 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 Vivo Results 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.**  
Lecturers: Ronak Delewli

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: Norhiro Kogame

10:25 AM  
Roundtable Discussion with Audience QA

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**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 Biodegradable Vascular Scaffold Studies
Moderators: Detlef G. Mathey, Yoshinobu Onuma
Discussants: Rafa Depukat, Vasim Farooq, Juan Luis Gutierrez-Chico, Ulf Landmesser, Matthias Lutz

8:30 AM TCT 156: The Absorb Biodegradable 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 Biodegradable Vascular Scaffold
Lecturers: Johan R Bennett
8:49 AM Discussion

8:54 AM TCT 158: Post implantation Strut Protrusion and Neointimal Thickness at Follow Up in Absorb Biodegradable Scaffold: a Serial Shear Stress Analysis Up to Five Years
Lecturers: Erhan Tenekecioglu
9:01 AM Discussion

8:56 AM TCT 159: Endothelial Shear Stress and Local Viscosity Assessment of Coronary Biodegradable 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 Biodegradable 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)

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)
Moderators: Antonio L. Bartorelli, Eugenia Nikolsky
Discussants: Ziad A. Ali, Julia Baron, Wolfgang Bocksch, 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 Nephropathy Compared 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 Induced Acute Kidney Injury Following Coronary Angiography
Lecturers: Jayakumar Sreenivasan
8:49 AM Discussion

8:54 AM TCT 128: Contrast Induced Acute Kidney Injury After Percutaneous Coronary Intervention: Comparison of Five Contrast Media
Lecturers: Lorenzo Azzalini
9:01 AM Discussion

9:06 AM TCT 129: Efficacy of Urinary Liver Type Fatty Acid Binding Protein Level for Patients With Acute Kidney Injury Following Coronary Angiography in Acute Coronary Syndrome
Lecturers: Keisuke Kojima
9:13 AM Discussion

9:18 AM TCT 130: The Routine Use of an Iso Osmolar Contrast Medium and the Occurrence of Acute Kidney Injury Following Percutaneous Coronary Intervention for ST Elevation Myocardial Infarction
Lecturers: Tim Kinnaird
9:25 AM Discussion

MODERATED POSTER SESSION: BEST OF MODERATED TAVR POSTER ABSTRACTS
SATURDAY, SEPTEMBER 22, 2018
8:30 AM - 9:30 AM
Moderated Posters 1, Exhibit Hall, Ground Level

8:30 AM
Best of Moderated TAVR Poster Abstracts I
Moderators: John C. Messenger, Vinod H. Thourani
Discussants: Hemal Gada, Aaron Horne, Jr., Zoltan G. Turi, Darren L. Walters, Wei-Hsian Yin, Karol Zbronski

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 Hiendimayr

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 Sathananthan

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: Mark C. Bates, William A. Gray
Discussants: Jeffrey G. Carr, Alejandro Goldsmith, 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 Bikieli

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 Boursas

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: Tomaaki Mochidome

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 - 9:18 AM
Comorbidities in CAD - I
Moderators: Andrea Abizaid, Carl L. Tommaso
Discussants: Rasha Al-Lamee, Mesfer Alfadhel, 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, Robert J. Gil
Discussants: Takashi Akasaka, Joo Myung Lee, Giampaolo Niccoli, Hidetaka Nishina, Sayan Sen

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: Hidekuni 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
Lecturers: Mohamed Omer
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: Sigmund Silber
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 F. Korg, Stefan Mot
Discussants: Antonio Fiorella, Ning Guo, Javid Iqbal, Fahim Haider Jafary, Hosam I. Kandi, Talib Majwal

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

9:42 AM TCT 167: In Hospital Outcomes of Using the Hybrid Approach of Percutaneous Coronary Interventions for Chronic Total Occlusions: Update From the PROGRESS CTO Prospective Global REgistry for the Study of Chronic Total Occlusion Intervention International
Lecturers: Peter Tajti
9:49 AM Discussion

9:54 AM TCT 169: Serial 3 Dimensional Optical Coherence tomography Assessment of Jailed Side Branch By Second Generation Drug Eluting Absorbable Metal Scaffold DREAMS 2G in BIOSOLVE II Trial
Lecturers: Yuichi Ozaki
10:01 AM Discussion

10:06 AM TCT 170: Impact of Rate of Recruitment on All Cause Mortality: Insights From the GLOBAL LEADERS All Comers Trial
Lecturers: Kuniaki Takahashi
10:13 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: Bernadette S. Speiser, David X. Zhao
Discussants: Brian Clapp, David D Israeli, Michael J. Lim, John A. McPherson

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: CHRONIC PULMONARY EMBOLISM AND PULMONARY HYPERTENSION
9:30 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, Thomas M. Tu, Joachim Weil

- **9:30 AM** TCT 161: Endovascular Device to Improve Pulmonary Arterial Compliance in Pulmonary Arterial Hypertension  
  *Lecturers: Irene M. Lang*
  
  **Discussion**

- **9:42 AM** TCT 162: Feasibility of Chronic Total Occlusion Recanalization During Balloon Pulmonary Angioplasty  
  *Lecturers: Sanjum S Sethi*

  **Discussion**

- **9:54 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 Minatsuiki*

  **Discussion**

- **10:06 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*

  **Discussion**

- **10:18 AM** TCT 165: Safety of Balloon Pulmonary Angioplasty for Chronic Thromboembolic Pulmonary Hypertension - Initial Single Center United States Experience  
  *Lecturers: Alessandro Maolo*

  **Discussion**

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**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** TCT 185: Glasgow Rotational Atherectomy Efficiency GRACE Study: Safety of a Minimalist Approach  
  *Lecturers: Tom J Ford*

  **Discussion**

- **9:42 AM** TCT 186: Determinants of Poor In Hospital Clinical Success of Rotational Atherectomy  
  *Lecturers: Piotr Kubler*

  **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*

  **Discussion**

- **10:06 AM** TCT 188: Culprit Lesion Harbouring Calcified Nodule Predicts A Higher Target Lesion Revascularization Rate After PCI With 2Ndgeneration Drug Eluting Stent in ACS Patients: Findings From Serial Coronary Angiography Study  
  *Lecturers: Hiroki Sugane*

  **Discussion**

- **10:18 AM** TCT 189: Extending Application of Intravascular Lithotripsy to A High Risk Real World Population  
  *Lecturers: Julian Yeoh*

  **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

TCT 195: Ultrathin Bioresorbable 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

TCT 196: Biodegradable vs Polymer Free Drug Eluting Stents for the Treatment of Coronary Artery Disease: A Meta Analysis of Randomized Controlled Trials
Lecturers: Jason Nogic

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

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, Jose M. de la Torre Hernandez
Discussants: David Erlinge, Anand M Rao, Takafumi Ueno

TCT 190: 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

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

TCT 192: the Comparison of Healing 1 Month and 1 Year After Percutaneous Coronary Intervention Among Cobalt Chromium Everolimus Eluting StentEES Biodegradable PolymerBP EES and BP Sirolimus Eluting Stent: Insights From Optical Coherence Tomography an
Lecturers: Takao Sato

TCT 193: The Effect of Plaque Type on Strut Embedment Protrusion and Shear Stress in Bioresorbable Scaffold: Is There A New Horizon for Bioresorbable Scaffolds
Lecturers: Erhan Tenekcioglu

TCT 194: Impact of Intravascular Imaging Methods for Optimal Scaffold Implantation Reducing Thrombosis After Absorb BVS in A Real World Setting:
Identification of Probable Factors Related to Stent Failure
Lecturers: Sergio Tarbine

MODERATED POSTER SESSION: RACIAL AND GENDER DISPARITIES IN ENDOVASCULAR AND STRUCTURAL HEART DISEASE AND INTERVENTION I

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: Tyrone J. Collins, Karim El Chilali, Giovanni Esposito

9:00 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 I

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: Somjot 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
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: Pascal Vranckx, Grayson H. Wheatley
Discussants: Alfredo Trento

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: Bernhard Reimers, Christopher J. White
Discussants: Fayaz Shawl, Adnan Siddiqui, Paul D. Varosy

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
Lecturers: Marius Hornung

10:49 AM Discussion

10:54 AM TCT 212: Noninvasive Device for Cerebral Protection From Embolic Stoke : Should Carotid Compression Become A Standard of Care
Lecturers: Michael Zhadkevich

11:01 AM Discussion

11:06 AM TCT 213: Carotid Revascularization in Patients With Contralateral Carotid Occlusion: A Systematic Review and Meta Analysis
Lecturers: Seth Avner

11:13 AM Discussion

11:18 AM TCT 215: Deep Loop Technique for Stenting of LICA Using Transbrachial Approach Single Centre Experience
Lecturers: Zoran Stankov
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 Alkhoul, 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
Moderators: R. Stefan Kiesz, Michael J. Rinaldi
Discussants: Peter L Duffy, Mohamed Ali Elsalamony, 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

10:54 AM
TCT 238: Comparing 3 Year Outcomes Between Medical Therapy and Percutaneous Revascularisation for the Surgically Ineligible Cohort
Lecturers: Avedis Etmezian

11:01 AM
Discussion

11:06 AM
TCT 239: Impact of Post Stenting Balloon Dilatation on 5 Year Clinical Outcomes in Patients With Acute Coronary Syndrome Underwent Percutaneous Coronary Intervention
Lecturers: Ji Young Park

11:13 AM
Discussion

11:18 AM
TCT 240: Long Term 5 to 7 Years Clinical Outcomes After Cobalt Chromium Everolimus Eluting Stent Implantation
Lecturers: Shoichi Kuramitsu
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*

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 Cspst 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 ACCAHA 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

*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 Boecksch, Reda Ibrahim*

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 Trytom Registry International Multicenter Latin American Registry
*Lecturers: Marcelo Abud*

11:01 AM | Discussion

11:06 AM | TCT 224: Predictors and Safety of Next Day Discharge After Minimalistic Transfemoral Aortic Valve Implantation
*Lecturers: Giuliano Costa*

11:13 AM | Discussion

11:18 AM | 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

SATURDAY, SEPTEMBER 22, 2018
10:30 AM - 11:30 AM
Moderated Posters 4, Exhibit Hall, Ground Level

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 From Poznan 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 POT in 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

SATURDAY, SEPTEMBER 22, 2018
10:30 AM - 11:30 AM
Moderated Posters 6, Exhibit Hall, Ground Level

10:30 AM - 11:30 AM
PCI and Drug-Coated Balloons I
Moderators: Jorge F. Saucedo, Craig M. Walker
Discussants: George L Adams, JJ Goy, Hsuan-Li Huang, Juying Qian

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 Bioresorbable Scaffolds: A Randomized Clinical Trial in Stable
### 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
**ASD and PFO Closure I**

_**Moderators:** Eric Eeckhout, Steven L. Goldberg_
_**Discussants:** Kee-Sik Kim, David W.M. Muller, Roman Tarasov_

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<th>Time</th>
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<th>Lecturers</th>
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<tr>
<td>11:30 AM</td>
<td><strong>TCT 241:</strong> Assessment of the Intra Atrial Septum Orientation and Its Mean Curvature for Structural Heart Disease Interventions</td>
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<td><strong>Lecturers:</strong> Nils Petri</td>
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<td>11:37 AM</td>
<td><strong>Discussion</strong></td>
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<td>11:42 AM</td>
<td><strong>TCT 242:</strong> Residual Shunt After Patent Foramen Ovale Device Closure in Patients With Cryptogenic Stroke: Serial Bubble Contrast Transesophageal Echocardiography Data</td>
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<td><strong>Lecturers:</strong> Pyung Chun Oh</td>
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<td>11:49 AM</td>
<td><strong>Discussion</strong></td>
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<td>11:54 AM</td>
<td><strong>TCT 243:</strong> Are Percutaneous Patent Foramen Ovale Closure Devices Effective A Comprehensive Meta Analysis Assessing Their Long Term Outcomes</td>
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<td><strong>Lecturers:</strong> Armaghan Soomro</td>
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<td>12:01 PM</td>
<td><strong>Discussion</strong></td>
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<td>12:06 PM</td>
<td><strong>TCT 244:</strong> Percutaneous Suture mediated Patent Foramen Ovale PFO Closure with the NobleStitch EL System: Center Experience Effect</td>
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<td><strong>Lecturers:</strong> Gregory Sgueglia</td>
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<td>12:13 PM</td>
<td><strong>Discussion</strong></td>
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### 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. Jaff, Craig M. Walker_
_**Discussants:** Jun Nakazato, Rahul S. Patel, Ramon L Varcoe, Mitchell Weinberg_

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<th>Time</th>
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<tr>
<td>11:30 AM</td>
<td><strong>TCT 249:</strong> Population Based Outcomes Following Endovascular Interventions and Bypass Surgery for Lower Extremity Peripheral Arterial Disease</td>
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<td><strong>Lecturers:</strong> Khalid Hamid Changal</td>
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<td>11:37 AM</td>
<td><strong>Discussion</strong></td>
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<td>11:42 AM</td>
<td><strong>TCT 250:</strong> A Novel Large Size Transcatheter Pulmonary Heart Valve Prosthesis for Patients With Pulmonary Regurgitation</td>
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<td><strong>Lecturers:</strong> Anna Grünwald</td>
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<td>11:49 AM</td>
<td><strong>Discussion</strong></td>
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<td>11:54 AM</td>
<td><strong>TCT 251:</strong> 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</td>
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<td><strong>Lecturers:</strong> Damianos Kokkinidis</td>
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<td>12:01 PM</td>
<td><strong>Discussion</strong></td>
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<tr>
<td>12:06 PM</td>
<td><strong>TCT 252:</strong> A Prospective Multi Center Pilot Study Evaluating Plaque Photoablation Using the Novel Non Guidewire Based RA 308 Excimer Laser in Subjects With Symptomatic Infringuinal Lower Extremity Vascular Occlusions</td>
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<td><strong>Lecturers:</strong> Ehtisham Mahmud</td>
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<td>12:13 PM</td>
<td><strong>Discussion</strong></td>
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<tr>
<td>12:18 PM</td>
<td><strong>TCT 253:</strong> Placement of Axillary intraaortic Balloon Pump Leads to Higher Adverse Event Rate When Compared to Placement of Femoral Intra aortic Balloon Pump</td>
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<td><strong>Lecturers:</strong> Baldeep Dhaliwal</td>
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</tbody>
</table>
### MODERATED POSTER SESSION: CATH LAB OF THE FUTURE: STRATEGIES TO CONTROL RADIATION EXPOSURE I

**SATURDAY, SEPTEMBER 22, 2018**  
11:30 AM - 12:30 AM  
Moderated Posters 2, Exhibit Hall, Ground Level

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Lecturers</th>
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<tbody>
<tr>
<td>11:30 AM</td>
<td>TCT 245: A Significant Reduction in the Frequency of Substantial Dose Interventional Coronary Procedures From 2007 to 2017</td>
<td>Stephen Balter</td>
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<tr>
<td>11:37 AM</td>
<td>Discussion</td>
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<tr>
<td>11:42 AM</td>
<td>TCT 246: Utility of Image Magnification Software to Reduce Radiation Emission During Invasive Coronary Angiography</td>
<td>Ramin Ebrahimi</td>
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<tr>
<td>11:49 AM</td>
<td>Discussion</td>
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<tr>
<td>11:54 AM</td>
<td>TCT 247: Reducing Radiation Exposure to Operators During Invasive Cardiac Procedures With A Novel Lead Based Arm Board Radar</td>
<td>Tawfiq Choudhury</td>
</tr>
<tr>
<td>12:01 PM</td>
<td>Discussion</td>
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</tr>
<tr>
<td>12:06 PM</td>
<td>TCT 248: A New Device to Markedly Reduce Cardiac Cath Lab Radiation Levels</td>
<td>Robert Wilson</td>
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<tr>
<td>12:13 PM</td>
<td>Discussion</td>
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</tbody>
</table>

### MODERATED POSTER SESSION: IS THERE STILL A ROLE FOR BARE METAL STENTS?

**SATURDAY, SEPTEMBER 22, 2018**  
11:30 AM - 12:30 AM  
Moderated Posters 8, Exhibit Hall, Ground Level

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Lecturers</th>
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</thead>
<tbody>
<tr>
<td>11:30 AM</td>
<td>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</td>
<td>Eun-Seok Shin</td>
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<tr>
<td>11:37 AM</td>
<td>Discussion</td>
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<tr>
<td>11:42 AM</td>
<td>TCT 271: Drug Eluting Stents Compared With Bare Metal Stents in High Risk Patients Undergoing Percutaneous Coronary Interventions: A Meta Analysis</td>
<td>Saroj Neupane</td>
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<tr>
<td>11:49 AM</td>
<td>Discussion</td>
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<tr>
<td>11:54 AM</td>
<td>TCT 272: Outcomes of Drug Eluting vs Bare Metal Stents in Saphenous Vein Graft Lesions: A Meta Analysis of Randomized Controlled Trials</td>
<td>Toufik Mahfood Haddad</td>
</tr>
<tr>
<td>12:01 PM</td>
<td>Discussion</td>
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<tr>
<td>12:06 PM</td>
<td>TCT 273: Italian Multicenter Registry of Bare Metal Stent Use in Modern Percutaneous Coronary Intervention Era: A Multicenter Observational Study</td>
<td>Matteo Pagnesi</td>
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<tr>
<td>12:13 PM</td>
<td>Discussion</td>
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<tr>
<td>12:18 PM</td>
<td>TCT 274: Drug Eluting Stents vs Bare Metal Stents for Saphenous Vein Graft Interventions: A Meta Analysis of Randomized Controlled Trials</td>
<td>Aakash Garg</td>
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<tr>
<td>12:25 PM</td>
<td>Discussion</td>
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### MODERATED POSTER SESSION: MINIMALIST APPROACH TO TAVR II

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*Last Updated 09/10/2018  Page: 89*
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 Todano

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

SATURDAY, SEPTEMBER 22, 2018
11:30 AM - 12:30 pm
Moderated Posters 7, Exhibit Hall, Ground Level

11:30 AM - 12:30 pm
New OCT Studies
11:30 AM  TCT 266: OCT and Histopathological Assessment of Coronary Plaque Obtained by Directional Coronary AthereCTOmy
Lecturers: Hiroshi Okamoto

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

SATURDAY, SEPTEMBER 22, 2018
11:30 AM - 12:30 PM
Moderated Posters 6, Exhibit Hall, Ground Level

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 Gyöngyösí, 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 Doutrelant

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: Bernarda 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

SATURDAY, SEPTEMBER 22, 2018
12:45 PM - 1:45 PM
Moderated Posters 3, Exhibit Hall, Ground Level

12:45 PM - 1:45 PM
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

12:45 PM  TCT 285: Development of A Local Treatment Strategy for Vessel Wall Stabilization With a miR 29b Inhibitor in Aneurysms and Atherosclerotic Plaques
Lecturers: Stephanie Bettink
12:52 PM  Discussion

Lecturers: Gilberto Melnick

1:04 PM  Discussion

1:09 PM  TCT 287: Efficacy of Intravascular Ultrasound for Patients With Peripheral Artery Diseases Presenting Aorta Iliac Artery Disease
Lecturers: Takuya Tsujimura

1:16 PM  Discussion

1:21 PM  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
Lecturers: Matthew McDiarmid

1:28 PM  Discussion

1:33 PM  TCT 289: Loco Regional vs General Anesthesia for Endovascular Abdominal Aortic Aneurysm Repair: An Updated Meta Analysis
Lecturers: Jai Parekh

1:40 PM  Discussion

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

12:45 PM - 1:45 PM
Bioresorbable Scaffolds vs Metallic Stents
Moderators: Alok V. Finn, John A. Ormiston
Discussants: Salvatore Cassese, Daniel Chamie, Jun-Jack Cheng, Michael Joner, Grzegorz L. Kaluza, Vincent On-Hing Kwok

12:45 PM  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
Lecturers: Runlin Gao

1:04 PM  Discussion

12:52 PM  TCT 311: Long Term Vascular Response to Bioresorbable Scaffolds vs Metallic Stents in Coronary Lesions With Myocardial Bridging  A Potential Benefit of Vascular Restoration Under Dynamic Compression force
Lecturers: Ryo Kameda

1:04 PM  Discussion

1:09 PM  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
Lecturers: Kengo Tanabe

1:16 PM  Discussion

1:21 PM  TCT 313: In Vivo Acute Expansion of Bioresorbable Scaffolds and Metallic Stents in Normal Porcine Coronary Arteries  A Critical Appraisal of Compliance Chart Accuracy
Lecturers: Nicolas Isaza

1:28 PM  Discussion

1:33 PM  TCT 314: Factors influencing Bioresorbable vs Metallic Stent Recoil and Underexpansion In Vivo Independent of Atherosclerosis: Angiographic Study in Normal Porcine Coronary Arteries
Lecturers: Nicolas Isaza

1:40 PM  Discussion

MODERATED POSTER SESSION: COMPUTATIONAL FLUID DYNAMICS (CT-FFR, QFR, INTRAVASCULAR IMAGING-FFR, AND OTHERS) I

SATURDAY, SEPTEMBER 22, 2018
12:45 PM - 1:45 PM
Moderated Posters 7, Exhibit Hall, Ground Level

12:45 PM - 1:45 PM
Computational Fluid Dynamics (CT-FFR, QFR, Intravascular Imaging-FFR, and others) I
Moderators: James K. Min, Wojtek Wojakowski
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 Iuvs 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  TCT 290: Drug Eluting Balloon Catheters in the Endovascular Treatment of Patients With True Left Main Bifurcation Lesions  
Lecturers: Daniil 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

1:40 PM  Discussion

MODERATED POSTER SESSION: MISCELLANEOUS TAVR COMPLICATIONS I

SATURDAY, SEPTEMBER 22, 2018
12:45 PM - 1:45 PM


**TCT 295: Differential Prognostic Value of Galectin 3 According to Levels of Carbohydrate Antigen 125 in Transcatheter Aortic Valve Implantation**

**Lecturers:** Tobias Rheude

**12:45 PM** Discussion

**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

**TCT 297: Influence of Valve Type on Thrombocytopenia Following Transcatheter Aortic Valve Implantation TAVI**

**Lecturers:** Sally Hickman

**1:16 PM** Discussion

**TCT 298: Autoimmune Connective Tissue Diseases Are Associated With Increased Infectious Complications After TAVR**

**Lecturers:** Sarah Rudasill

**1:28 PM** Discussion

**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

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**MODERATED POSTER SESSION: PCI IN HIGH BLEEDING RISK (HBR) PATIENTS I**

**SATURDAY, SEPTEMBER 22, 2018**

**12:45 PM - 1:45 PM**

**PCI in High Bleeding Risk (HBR) Patients I**

**Moderators:** Vincent J. Pompili, Robert W. Yeh

**Discussants:** Mariann Gyöngyösi, Zuzana Motovska, 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 AbuGraoun

**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**

**Lecturers:** Sabato Sorrentino

**1:40 PM** Discussion

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**MODERATED POSTER SESSION: PERI-DEVICE LEAKS**
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

**Vulnerable Plaques and Vulnerable Patients I**

**Moderators:** Maurice Buchbinder, Peter H. Stone  
**Discussants:** 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**

1:33 PM  
**TCT 284:** Coronary Computed Tomography Angiography Defined Low Attenuation Plaque to Predict True Lipidic Plaque Determined By Combined Intravascular Imaging  
*Lecturers:* Rafal Wolny

1:40 PM  
**Discussion**
MODERATED POSTER SESSION: LMCA DISEASE AND INTERVENTION II

SATURDAY, SEPTEMBER 22, 2018
1:45 PM - 2:45 PM
Moderated Posters 4, Exhibit Hall, Ground Level

1:45 PM - 2:45 PM
LMCA Disease and Intervention II
Moderators: Anthony H. Gershlick, Marco V. Wainstein
Discussants: Javaid Iqbal, Kee-Sik Kim, Ioanna Kosmidou, Stefan Mot

1:45 PM  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
Lecturers: Corrado Tamburino

1:52 PM  Discussion

1:57 PM  TCT 330: One Year Effectiveness and Safety of Self Apposing Stentys Drug Eluting Stent in Left Main Coronary Artery PCI  Multicentre LM STENTYS Registry
Lecturers: Wojciech Wanka

2:04 PM  Discussion

2:09 PM  TCT 331: Secular Trends of Characteristics Treatments and Long Term Outcomes in Patients With Ostial Or Mid Shaft Left Main Coronary Artery Disease
Lecturers: Yong-Hoon Toon

2:16 PM  Discussion

2:21 PM  TCT 332: Serial IVUS Substudy Results From J Lesson: Japan Unprotected Left Main Coronary Artery Disease PCI Strategy on New Generation Stents
Lecturers: Akiko Maehara

2:28 PM  Discussion

2:33 PM  TCT 333: Role of Optical Coherence Tomography Acknowledged for Left Main Stem Angioplasty the ROCK Cohort I Study
Lecturers: Bernardo Cortese

2:40 PM  Discussion

MODERATED POSTER SESSION: MANAGEMENT OF IN-STENT RESTENOSIS I

SATURDAY, SEPTEMBER 22, 2018
1:45 PM - 2:45 PM
Moderated Posters 6, Exhibit Hall, Ground Level

1:45 PM - 2:45 PM
Management of In-stent Restenosis I
Moderators: Christian W. Hamm, Detlef G. Mathey
Discussants: Mohamed Ali Elsalamony, Hsuan-Li Huang, Vergheese Mathew, Issam D. Moussa, Duk-Woo Park

1:45 PM  TCT 339: Paclitaxel Eluting Balloon vs Everolimus Eluting Stent in Patients With Diabetes Mellitus and In Stent Restenosis Insights From the Randomized DARE Trial
Lecturers: Bimmer E. Claessen

1:52 PM  Discussion

1:57 PM  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
Lecturers: Nieves Gonzalo

2:04 PM  Discussion

2:09 PM  TCT 341: Results of Percutaneous Coronary Intervention in Restenosis Lesions With Second Generation Paclitaxel Coated Balloons At a Long Term Follow up
Lecturers: Ignacio Sanchez-Perez

2:16 PM  Discussion

2:21 PM  TCT 342: Excimer Laser Lesion Modification In Stent Restenosis and Non Optimal Dilated Stents the ELMRegistry
Lecturers: Piotr Wacinski

2:28 PM  Discussion

2:33 PM  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
MODERATED POSTER SESSION: METALLIC BIORESORBABLE VASCULAR SCAFFOLDS I

SATURDAY, SEPTEMBER 22, 2018
1:45 PM - 2:45 PM
Moderated Posters 8, Exhibit Hall, Ground Level

1:45 PM - 2:45 PM
Metallic Bioresorbable Vascular Scaffolds I
Moderators: Alexandre Abizaid, Michael Haude
Discussants: Olivier F. Bertrand, Piera Capranzano, Yaling Han, Dean J. Kereiakes, David G. Rizik, Alan C. Yeung

1:45 PM
TCT 349: The Acute and Early Outcome of Magnesium Bioresorbable Scaffold Implantation in Acute Coronary Syndrome Initial Report From ACS Magmaris Registry
Lecturers: Magdalea Lancha

1:52 PM Discussion

1:57 PM
TCT 350: Safety and Performance of the Resorbable Magnesium Scaffold Magmaris in a Real World Setting First 400 Subjects At 12 Month Follow Up of the Biosolve IV Registry
Lecturers: Michael Kang-Yin Lee

2:04 PM Discussion

2:09 PM
TCT 351: Descriptive Analysis of Consecutive Adverse Angiographic and Clinical Events in Pooled Italian Series of Magnesium Bioabsorbable Metallic Scaffold Magmaris TM
Lecturers: Stefano Galli

2:16 PM Discussion

2:21 PM
TCT 352: Long Term Clinical Data and Multimodality Imaging Analysis of the BIOSOLVE II Study With the Drug Eluting Absorbable Metal Scaffold in the Treatment of Subjects With De Novo Lesions in Native Coronary Arteries BIOSOLVE II
Lecturers: Michael Haude

2:28 PM Discussion

2:33 PM
TCT 353: Acute and Mid Term Performance of Magmaris Bioresorbable Scaffold Implantation in Complex Lesions A Multicenter Experience
Lecturers: Francesco Tomassini

2:40 PM Discussion

MODERATED POSTER SESSION: OPTICAL COHERENCE TOMOGRAPHY (OCT) OBSERVATIONS DURING PRIMARY PCI IN STEMI

SATURDAY, SEPTEMBER 22, 2018
1:45 PM - 2:45 PM
Moderated Posters 7, Exhibit Hall, Ground Level

1:45 PM - 2:45 PM
Optical Coherence Tomography (OCT) Observations During Primary PCI in STEMI
Moderators: Takashi Kubo, Francesco Prati
Discussants: Ziad A. Ali, Gary S. Mintz, Jun Pu, Evelyn Regar, Guillermo Tearney

1:45 PM
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

1:52 PM Discussion

1:57 PM
TCT 344: Comparison of Tissue Prolapse After Stent Deployment At Culprit Lesion and Non Culprit Lesion in Acute Myocardial Infarction
Lecturers: Hyuck Jun Yoon

2:04 PM Discussion

2:09 PM
TCT 346: Primary PCI in STEMI With Sirolimus Eluting Fantom Bioresorbable Vascular Scaffold First Guided With Optical Coherence Tomography Acute Results From a Fantom STEMI Pilot Study
Lecturers: Lukasz Koltowski

2:16 PM Discussion

2:21 PM
TCT 347: Culprit Lesion Types and Vascular Healing in Patients With ST Segment Elevation Myocardial Infarction After Primary Percutaneous Intervention
Lecturers: Kirstine Hansen
TCT 348: Early Changes in Malapposition Assessed With Optical Coherence tomography After Biolimus Coated Biofreedom Stent Or Sirolimus Eluting Orsiro Stent in Patients With ST Segment Elevation Myocardial Infarction
Lecturers: Christian Oliver Fallesen

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 Tahlawi, Javier Escañed, 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: Philipp Blanke, Horst Sievert
Discussants: Elvin Kedhi, Nickolas Nodar 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 Fabbriocchi

2:04 PM
Discussion

2:09 PM
TCT 317: Impact of Coronary Artery Disease on Transcatheter Aortic Valve Replacement Outcome
Lecturers: Paolo Olivares

2:16 PM
Discussion

2:21 PM
TCT 318: Impact of Coronary Artery Disease and Prior Coronary Artery Bypass Grafting on Patients Undergoing Transcatheter Aortic Valve Replacement
Lecturers: Toby Rogers

2:28 PM
Discussion
TCT 319: Clinical Characteristics and Vascular Complications in Patients Undergoing Transcatheter Aortic Valve Replacement and Percutaneous Coronary Interventions
Lecturers: Shawn Reginauld

Discussion

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: Mahir Elder, Peter P. Monteleone, 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

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

Discussion

2:09 PM
TCT 326: Catheter Directed Thrombolytic Therapy and Aspiration Thrombectomy in Intermediate Pulmonary Embolism Long Term Results
Lecturers: Zoltan Rusza

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

Discussion

2:33 PM
TCT 328: Endovascular Treatment With Catheter Directed Thrombolysis in Patients With Acute Massive and Submassive Pulmonary Embolism
Lecturers: Ivo Petrov

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 Krackhardt, 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

Discussion

1:52 PM
TCT 375: Current Generation Balloon Expandable Transcatheter Valve Positioning During Aortic Valve in Valve Procedures and Clinical Outcomes
Lecturers: Mathew Simonato, MD

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

Discussion

2:16 PM
TCT 377: Transcatheter Aortic Valve Implantation TAVI for Degenerative Surgical Bioprosthesis: A Single Centre Valve in Valve VIIV 5 Years Experience
Lecturers: Mohammad Waleed, 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 Engstrøm, Karlis Grikis, Arnold Seto, Raul Solerno, Khalid Omar Tammam

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 Ihdayhid, 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

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
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

3:21 PM
TCT 391: Post Implantation Shear Stress Analysis - An Emerging Tool for Differentiation in Bioresorbable Scaffolds
Lecturers: Erhan Tenekecioglu, MD

3:28 PM
Discussion
3:33 PM  
TCT 392: A First in Man Study of the Bioheart Sirolimus Eluting Biosorbable Scaffold in Patients With Coronary Artery Disease One Year Clinical and Imaging Outcomes  
Lecturers: Lei Song

3:40 PM  
Discussion

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: Peter L Duffy, Francisco Fdez-Aviles  
Discussants: Alejandro Cherro, 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: Henrique B. Ribeiro, Peter Wenaweser  
Discussants: Anthony A. Bavry, Francesco Bedogni, Jaya Chandrasekhar

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

3:16 PM  
Discussion

3:21 PM  
TCT 357: Initial Outcomes With a Systematic Application of Sentinel Cerebral Embolic Protection for Balloon Expandable TAVR  
Lecturers: Michael J. Rinaldi
TCT 358: Reducing Stroke While increasing Transcatheter Aortic Valve Replacements  Case Control Analysis of 1658 Procedures Over 6 Years
Lecturers: Dominique Monlezun

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

2:45 PM - 3:45 PM
Technical Aspects of CTO Interventions II
Moderators: Toshiya Muramatsu, William Nicholson
Discussants: Sanjog Kalra, Robert D. Riley, Barry D. Rutherford, João A Silveira, Minh N. Vo

TCT 369: Antegrade Wire Escalation With Composite Core Dual Coil Wire Technology in the Treatment of Coronary Chronic Total Occlusions
Lecturers: Jeffrey Rossi, MD

TCT 370: Increased Specialisation of Chronic Total Occlusion PCI Improves Success Rates But Increases Procedural Complexity: A Single Centre Experience
Lecturers: Leong Lee, MD

TCT 371: Antegrade Fenestration and Re Entry: A Novel Subintimal Technique for Chronic Total Occlusion Recanalization
Lecturers: Lorenzo Azzolini, MD

TCT 372: Pooled Analysis of Collateral Channel Type and Morphology During Retrograde Chronic Total Occlusion Percutaneous Coronary Intervention
Lecturers: Sudhir Rathore

TCT 373: Safety and Efficacy of Transradial vs Transfemoral Approach for Chronic Total Occlusion: A Meta Analysis
Lecturers: Muhammad Khalid, MD

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

2:45 PM - 3:45 PM
Valve-in-Valve Procedures I
Moderators: Mohamed Abdel-Wahab, Darren L. Walters
Discussants: Keith B. Allen, Adnan K. Chhatriwalla, James B. Hermiller Jr

TCT 334: Treatment of Degenerated Aortic Bioprostheses  A Comparison Between Valve In Valve Transfemoral Transcatheter Aortic Valve Replacement and Conventional Reoperation
Lecturers: Norman Mangner

TCT 335: Predictors of Elevated Gradients After Transcatheter Aortic Valve Replacement for Failing Bioprosthetic Aortic Valve Replacement
Lecturers: Robert L. Richmond

TCT 336: Transfemoral TAVR Treatment of Failing Aortic Valve Bioprostheses  Mid Term Results and Outcome
Lecturers: Felix Wolte

TCT 337: 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
Lecturers: Farhan Khodaee

TCT 338: Comparison of Re do Transcatheter Aortic Valve Replacement With Valve in Valve for Failed Surgical Aortic Bioprostheses: a Multicenter
Analysis of Clinical and Long Term Outcome
Lecturers: Matthias Raschpichler

3:40 PM Discussion

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 Erus 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
Moderators: Antoine Lafont, Sigmund Silber
Discussants: Brian G. DeRubertis, Jeehoon Kang, Vojtech Novotny

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: Lei Song

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

4:16 PM Discussion

4:21 PM TCT 431: Twenty Four Months Healing Patterns After Implantation of the Fantom Bioresorbable Scaffold Evaluated By Optical Coherence Tomography
Lecturers: Emil Holck
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 Longterm 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
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 Kelbæk, Michael C. 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: Aaron Horne, Jr., James P. Zidar
Discussants: Douglas E. Drachman, Roger J. Loham

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

4:28 PM
Discussion

4:33 PM
TCT 407: Sex Differences in Symptom Pattern of Chest Pain and Resolution Following Coronary Revascularization
Lecturers: Pietro Di Santo
## 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**

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Lecturers</th>
</tr>
</thead>
<tbody>
<tr>
<td>3:45 PM</td>
<td>TCT 413: National Trends and Outcomes of Transcatheter Aortic Valve Replacement in Patients With Bicuspid Aortic Valve Stenosis</td>
<td>Mohammad Soud</td>
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<tr>
<td>3:52 PM</td>
<td>Discussion</td>
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<tr>
<td>3:57 PM</td>
<td>TCT 414: Patient Specific Computer Simulation to Optimise Transcatheter Heart Valve Sizing and Positioning in Bicuspid Aortic Valve Morphology</td>
<td>Cameron Dowling</td>
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<tr>
<td>4:04 PM</td>
<td>Discussion</td>
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<tr>
<td>4:09 PM</td>
<td>TCT 415: Transcatheter Aortic Valve Implantation Using Symetis ACURATE in Bicuspid Aortic Valve Stenosis: Insights From A Multicenter Experience</td>
<td>Antonio Mangieri</td>
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<tr>
<td>4:16 PM</td>
<td>Discussion</td>
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<tr>
<td>4:21 PM</td>
<td>TCT 416: Balloon vs Self Expandable Valve for the Treatment of Bicuspid Aortic Valve STenosis: Insights from the BEAT International Collaborative Registry</td>
<td>Antonio Mangieri</td>
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<tr>
<td>4:28 PM</td>
<td>Discussion</td>
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</tr>
<tr>
<td>4:33 PM</td>
<td>TCT 417: Long Term Mortality of Patients Undergoing Transcatheter Aortic Valve Replacement for Bicuspid vs Tricuspid Aortic Stenosis</td>
<td>Raymundo Quintana</td>
</tr>
<tr>
<td>4:40 PM</td>
<td>Discussion</td>
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</tbody>
</table>

## 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**

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Lecturers</th>
</tr>
</thead>
<tbody>
<tr>
<td>3:45 PM</td>
<td>TCT 393: Transcarotid Approach for TAVI With the SAPIEN 3 Prosthesis A Multicentre French Registry</td>
<td>Pavel Overtchouk, MD</td>
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<tr>
<td>3:52 PM</td>
<td>Discussion</td>
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<tr>
<td>3:57 PM</td>
<td>TCT 394: Efficacy and Safety of Fishermans Knot Technique to Achieve Venous Haemostasis After Removal of Large Sheath 12 Fr</td>
<td>Puneet Aggarwal</td>
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<tr>
<td>4:04 PM</td>
<td>Discussion</td>
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<tr>
<td>4:09 PM</td>
<td>TCT 395: A Propensity Matched Comparison of Suprasternal and Transfemoral Transcatheter Aortic Valve Replacement Inominate vs Femoral</td>
<td>Anna Olds, MD</td>
</tr>
<tr>
<td>4:16 PM</td>
<td>Discussion</td>
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<tr>
<td>4:21 PM</td>
<td>TCT 396: Associationof Peripheral Artery Disease With In Hospital Outcomes After Endovascular Transcatheter Aortic Valve Replacement</td>
<td>Divyanshu Mohananey, MD</td>
</tr>
<tr>
<td>4:28 PM</td>
<td>Discussion</td>
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<tr>
<td>4:33 PM</td>
<td>TCT 397: Ipsilateral Balloon Occlusion Technique for Percutaneous Closure After Transfemoral Aortic Valve Replacement</td>
<td>Sunny Goel, MD</td>
</tr>
<tr>
<td>4:40 PM</td>
<td>Discussion</td>
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</tbody>
</table>
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, Level One

6:00 PM - 8:00 PM
An Expert Transradial Q&A Panel: Generating Clinical and Economic Value

Chairs: Sunil V. Rao, Gregg W. Stone
Faculty: Amit Amin, MD, Ajay J. Kirtane, Sahil A. Parikh, Arnold Seto, Binita Shah

6:00 PM Check in Reception
6:30 PM This panel of experts will address the current clinical controversies related to transradial access and intervention during cardiology and peripheral intervention that are keeping radial access from reaching higher levels of procedural penetration. Antici


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, Level One

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 Karmpaliosis, Ajay J. Kirtane, Martin B. Leon, William L. Lombardi, Jeffrey W. Moses

6:30 PM Opening Remarks: CHIP Status Update
Lecturers: Jeffrey W. Moses

Panel #1
Moderators: Martin B. Leon

Panel #1
Panel Discussant: Mirvat Alasnag, Alaide Chieffo, J. Aaron Grantham, Allen Jeremias, James M. McCabe, Manish A. Parikh, Binita Shah

6:42 PM Case 1: Left Main Bifurcation Disease
Case Presenter: Evald H. Christiansen

6:59 PM Case 2: Calcium Calcium Calcium
Case Presenter: Emmanouil S. Brilakis

Panel #2
Moderators: Ajay J. Kirtane

Panel #2
Panel Discussant: Ziad A. Ali, Antonio Colombo, George D. Dangas, Jonathan M. Hill, William L. Lombardi, Margaret B. McEntegart, Roxana Mehran, Robert W. Yeh

7:14 PM Case 3: In Stent Restenosis
Case Presenter: William Nicholson

7:29 PM Case 4: Multivessel Disease Elective
Case Presenter: Andrew Sharp

7:44 PM Case 5: Multivessel Disease Shock
Case Presenter: Dimitri Karmpaliosis
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, Level One

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

6:30 PM - 8:00 PM
Everyday Antiplatelet Decisions: Making the Right Choices
Co Chairs: Deepak L. Bhatt, Pascal Vranckx
Discussants: John A. Bittl, Davide Capodanno, Christian W. Hamm, Roxana Mehran, Matthew J. Price, Daniel J. Simon
Faculty: Dominic J. Angiolillo, C. Michael Gibson, Tullio Palmerini, Gregg W. Stone, Marco Valgimigli, MD, 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: Dominic 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
*Interactive Training Rotations Are From: [1:00 PM-1:50 PM]; [2:00 PM-2:50 PM]; [3:00 PM-3:50 PM]
Moderators: Julie Logan

1:00 PM - 4:00 PM
Coronary Session (50 Minute Rotations)
Interactive Training Faculty: Martina Kelly Speight

1:00 PM
Coronary Assessment and Imaging Using the POLARIS Multi Modality Guidance System Supported by Boston Scientific Corporation 10 Minute Rotations

1:00 PM
Coronary Physiologic Assessment and Imaging Using the CORE and SyncVision Systems Supported by Philips 10 Minute Rotations

1:00 PM
Lesion Modification Session Using Laser Atherectomy and ANGIOSCULPT Balloon Catheters Supported by Philips 10 Minute Rotations

1:00 PM
Chronic Total Occlusions Sessions Using CROSSBOSS Catheter STINGRAY LP System Supported by Boston Scientific Corporation 10 Minute Rotation
1:00 PM  Lesion Modification Session Using Rotational Atherectomy System Supported by Boston Scientific Corporation 10 Minute Rotation

1:00 PM  Transradial Experience Supported by Medtronic 10 Minute Rotation

2:50 PM  Break for Rotation Transition

1:00 PM - 4:00 PM  
**Peripheral Vascular Session (50 Minute Rotations)**  
*Interactive Training Faculty: Jeff Davis*

1:00 PM  JetStream for Atherectomy Supported by Boston Scientific Corporation

1:50 PM  Break for Rotation Transition

1:00 PM  JetStream for Atherectomy Supported by Boston Scientific Corporation

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*

1:00 PM  Cerebral Embolic Protection for TAVR Supported by Boston Scientific Corporation 10 Minute Rotation

1:00 PM  Transcatheter Aortic Valve Session: Understanding Evolut TAVR Platform Supported by Medtronic 10 Minute Rotation

1:00 PM  Transcatheter Aortic Valve Session: Understanding Sapien 3 Valve Supported by Edwards Lifesciences 10 Minute Rotation

1:00 PM  Transcatheter Pulmonary Valve Session: Understanding Melody TPV System Supported by Medtronic

1:00 PM  Left Atrial Appendage Closure Session: Understanding Watchman LAA Device and Delivery System Supported by Boston Scientific Corporation

1:50 PM  Break for Rotation Transition

1:00 PM  Cerebral Embolic Protection for TAVR Supported by Boston Scientific Corporation 10 Minute Rotation

1:00 PM  Transcatheter Aortic Valve Session: Understanding Evolut TAVR Platform Supported by Medtronic 10 Minute Rotation

1:00 PM  Transcatheter Aortic Valve Session: Understanding Sapien 3 Valve Supported by Edwards Lifesciences 10 Minute Rotation

1:00 PM  Transcatheter Pulmonary Valve Session: Understanding Melody TPV System Supported by Medtronic

1:00 PM  Left Atrial Appendage Closure Session: Understanding Watchman LAA Device and Delivery System Supported by Boston Scientific Corporation

2:50 PM  Break for Rotation Transition

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**FDA TOWN HALL MEETING PART 1: IMPORTANT PROGRAMS**

**SATURDAY, SEPTEMBER 22, 2018**

2:00 PM - 6:00 PM  
Room 29A-B, Upper Level

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2:00 PM - 2:50 PM  
**Session I. Twenty Years of Town Hall Open Dialogue Between FDA, Clinicians Researchers, and Industry**  
*Moderators: Mitchell W. Krueff, Gregg W. Stone*  
*Discussants: David E. Kandzari, Aaron V. Kaplan, William H. Maisel, Laura Mauri, Roxana Mehran, Michael A. Mussallem, Campbell Rogers, Sean Salmon, Bram D. Zuckerman*

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*

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2:50 PM - 3:50 PM  
**Session II. Patient Engagement in Clinical Trials: Strides and Tribulations**  
*Moderators: John C Laschinger*
Co-Moderator: Wayne B. Batchelor, Megan Coylewright
Discussants: J. Dawn Abbott, Lori M Ashby, Robert A. Byrne, David A. Cox, Mona Fiuza, Christopher O'Connor, John A. Spertus, Susan Strong

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: Schuyler Jones

3:06 PM  Patient Perspectives  
Lecturers: Susan Strong

3:14 PM  Clinician Perspectives  
Lecturers: Megan Coylewright

3:22 PM  CMS Perspectives  
Lecturers: Lori M Ashby

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: Mohua Choudhury, Peter J. Fitzgerald, Ron Kornowski, James K. Min, Peter P. Monteleone, Christopher O'Connor, Campbell Rogers, Larry L. Wood, Bram D. Zuckerman

3:50 PM  Keynote Lecture: The Potential Impact of Machine Learning Artificial Intelligence on Cardiovascular Medical Device Development  
Lecturers: Peter J. Fitzgerald

4:00 PM  FDA Perspectives  
Lecturers: Mohua Choudhury

4:08 PM  Clinician ScientistTrialist Perspective  
Lecturers: James K. Min

4:16 PM  Industry Perspective  
Lecturers: Campbell Rogers

4:24 PM  Patient Perspective  
Lecturers: Susan Strong

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, 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: What's 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's 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
Faculty: Raj Makkar, Josep Rodés-Cabau

- 7:00 AM Atrial Fibrillation AF in TAVR: Not Just an Innocent Bystander
- 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
- 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 Questions Answers
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: 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

8:00 AM  Adjourn

BREAKFAST PROGRAM: OPTIMIZATION OF VESSEL ACCESS AND CLOSURE IN LARGE BORE CATHETER PROCEDURES (SPONSORED BY CRF, SUPPORTED BY ...)

SUNDAY, SEPTEMBER 23, 2018  
6:30 AM - 8:00 AM  
Room 32A-B, Upper Level

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

7:00 AM - 8:00 AM  
Optimization of Vessel Access and Closure in Large Bore Catheter Procedures: Tips and Tricks Case-Based Review  
Co Chairs: Philippe Genereux, Martin B. Leon  
Faculty: Amir Kaki, James M. McCabe, Michael J. Rinaldi, Rajiv Tayal, David A. Wood

7:00 AM  Introduction  
Lecturers: Martin B. Leon

7:02 AM  Getting Optimal Arterial and Venous Access for Large Bore Catheter Procedures  
Lecturers: Michael J. Rinaldi

7:12 AM  Large Bore Vessel Closure Management: Tips and Tricks and Adjunctive Techniques  
Lecturers: Amir Kaki

7:22 AM  Access and Closure for Alternative Access: Focus on Percutaneous Transaxillary Approach  
Lecturers: James M. McCabe

7:32 AM  Real Time Bleed Detection: Novel Saranas Early Bird Bleed Monitoring  
Lecturers: Philippe Genereux

7:42 AM  Upcoming Closure Device System Dedicated to Large Bore Procedure  
Lecturers: David A. Wood

7:52 AM  Discussion and Conclusion

8:00 AM  Adjourn

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
Lecturers: Danny Dvir

7:10 AM
Learnings That are Applicable to ALL Centers on Procedural Efficiency
Lecturers: Didier Tchetche

7:20 AM
Post TAVR PCI: What Does the Data Say and What Have We Learned
Lecturers: James B. Hermiller Jr

7:30 AM
Single Digit Pacemaker Implantation Rates How I Achieve Them in My Center
Lecturers: Hemal Gada

7:40 AM
TAVR in Bicuspid Valves
Lecturers: Didier Tchetche

7:50 AM
Discussion

8:00 AM
Adjourn

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, Robert F. Wilson, MD

6:30 AM
Check in Breakfast

7:00 AM
Welcome
Lecturers: Morton J. Kern
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Lecturers/Operators</th>
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<tbody>
<tr>
<td>7:15 AM</td>
<td>Contrast Media Toxicity  Limiting the Effects of AKI through Volume Control</td>
<td>Jeff Chambers</td>
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<tr>
<td>7:25 AM</td>
<td>Reducing Radiation Exposure for the Entire Heart Team</td>
<td>Robert F. Wilson, MD</td>
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<tr>
<td>7:40 AM</td>
<td>Improving CAD Assessment in the Cath Lab: Sensor and Angiographically Based FFR and Translesional Physiology</td>
<td>Morton J. Kern</td>
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<tr>
<td>7:55 AM</td>
<td>Wrap upQA</td>
<td>Morton J. Kern</td>
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<tr>
<td>8:00 AM</td>
<td>Adjourn</td>
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### MAIN ARENA II, SUNDAY, SEPT. 23

**SUNDAY, SEPTEMBER 23, 2018**
**8:00 AM - 1:05 PM**

Main Arena, Hall F, Ground Level

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<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Lecturers/Operators</th>
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<tbody>
<tr>
<td>8:00 AM</td>
<td>Live Cases #3</td>
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<tr>
<td></td>
<td>Live Case Moderators: Gregg W. Stone</td>
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<td>Live Case Co Moderators: Alain G. Cribier</td>
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<td>Live Case Discussants: Peter C. Block, Sammy Elmariah, Isaac George, Rebecca T. Hahn, James B. Hermiller Jr, Howard C. Herrmann, Eric Horlick, Ruediger S. Lange, Raj Makkar, Wilson Y. Szeto</td>
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<td>Factoid Faculty: Christine J. Chung, Amirali Masoumi, Megha Prasad, Sabato Sorrentino, Eikuke Usui</td>
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<td>8:45 AM</td>
<td>Henry Ford Hospital Detroit MI</td>
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<td></td>
<td>Live Case Operators: Khaldoon Alaswad, Tiberio Frisoli, William W. O'Neill</td>
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<td>9:30 AM</td>
<td>TCT 2018: Welcome and Announcements</td>
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<td>9:35 AM</td>
<td>Rapid Fire Case Controversies: Structural</td>
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<td>Moderators: Vinayak Bapat, Susheel K. Kodali</td>
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<td>Discussants: Philippe Genereux, Martin B. Leon, Scott Lim, Michael J. Mack, Raj Makkar, Patrick T. O’Gara, Michael J. Reardon, Allan Schwartz</td>
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<tr>
<td>9:35 AM</td>
<td>Low Surgical Risk Aortic Stenosis In The Us: The Patient Really Wants TAVR</td>
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<td>Case Presenter: Mathew Williams</td>
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<td>9:45 AM</td>
<td>Bicuspid Aortic Stenosis: How To Treat</td>
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<td>Case Presenter: Ran Kornowski</td>
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<td>9:55 AM</td>
<td>Secondary Mitral Regurgitation With Severely Reduced LVEF</td>
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<td>Case Presenter: Saibal Kar</td>
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<td>10:05 AM</td>
<td>TCT 2018 Career Achievement Award</td>
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<td>Moderators: Martin B. Leon, Gregg W. Stone</td>
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<td>Award Recipients: Bram D. Zuckerman</td>
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<tr>
<td>10:05 AM</td>
<td>TCT 2018 Career Achievement Award</td>
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<td>Lecturers: Martin B. Leon</td>
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<td>10:20 AM</td>
<td>Late-Breaking Trials 3, Sponsored by JAMA</td>
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<td>Moderators: Martin B. Leon</td>
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<td>Co Moderator: Robert O. Bonow, Eric D. Peterson</td>
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<td>Discussants: Stefan Anker, Stephan Baldus, Blase A. Carabello, Scott Lim, Michael J. Mack, Jean-Francois Obadia, Michael J. Reardon, Joachim Schofer, Stephan Windecker</td>
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<td>10:20 AM</td>
<td>COAPT: A Randomized Trial of Transcatheter Mitral Valve Leaflet Approximation in Patients With Heart Failure and Secondary Mitral Regurgitation</td>
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<td>Lecturers: Gregg W. Stone</td>
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<td>10:35 AM</td>
<td>Roundtable Discussion</td>
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10:45 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

10:55 AM Roundtable Discussion

11:00 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

11:12 AM Roundtable Discussion

11:20 AM - 12:05 PM
Live Cases #4
Live Case Moderators: Sahil A. Parikh
Live Case Co Moderators: Tony Das
Live Case Discussants: Somjot S. Brar, 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

11:20 AM
Wellmont Holston Valley Hospital Kingsport TN
Live Case Operators: Mark Aziz, D. Christopher Metzger, Rahul Sakhuja

12:05 PM - 1:05 PM
Late-Breaking Clinical Science I, 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

12:05 PM PADN 5: A Randomized Trial of Pulmonary Artery Denervation in Patients With Combined Pre and Postcapillary Pulmonary Hypertension
Lecturers: Shao-Liang Chen

12:15 PM Roundtable Discussion

12:20 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

12:30 PM Roundtable Discussion

12:35 PM Prosthesis Patient Mismatch: Incidence Predictors and Outcome of Prosthesis Patient Mismatch After Transcatheter Aortic Valve Replacement
Lecturers: Howard C. Herrmann

12:45 PM Roundtable Discussion

12:55 PM TRIVALVE: Evaluation of Edge to Edge Valve Repair for Symptomatic Tricuspid Regurgitation
Lecturers: Jörg Hausleiter

1:00 PM Roundtable Discussion

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 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, Alok 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
12:45 PM - 2:00 PM
Ballroom 6A, Upper Level

12:45 PM - 2:00 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

12:45 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

12:55 PM Discussion

1:00 PM CENTER Collaboration I: Nonrandomized Comparison of Transcatheter Aortic Valve Implantation With Balloon Expandable Valves vs Self Expandable Valves
Lecturers: Ronak Delewi

1:10 PM Discussion

1:15 PM OBSERVANT: Five Year Outcomes After Transcatheter or Surgical Aortic Valve Replacement in a LowIntermediate Risk Real world Population
Lecturers: Marco Barbanti

1:25 PM Discussion

1:30 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

1:40 PM Discussion

1:45 PM EWOLUTION: Two Year Efficacy of Left Atrial Appendage Closure in High Risk Patients Single AntiplateletNo Therapy Subgroup Analysis
Lecturers: Martin W. Bergmann
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

- Intravascular Imaging and Culprit Lesion Assessment in ACS: Potential Impact on PCI Strategies and Patient Management
  Lecturers: Haibo Jia
- Vulnerable Plaque Non Invasive Imaging: The Emerging Role for CTA
  Lecturers: James K. Min
- Vulnerable Plaque Invasive Imaging: Contrasting the Different Alternatives Theory and Data
  Lecturers: Yoshinobu Onuma
- The Latest on Plaque Profiling and Shear Stress Imaging
  Lecturers: Peter H. Stone
- Rationale Imaging Insights and Outcomes of Stent and Scaffold Vulnerable Plaque Treatment
  Lecturers: Salvatore Brugaletta
- Case 1 Spontaneous Coronary Dissection: To Stent or Not to Stent
  Case Presenter: Ning Guo
- Case 2 Is it a Plaque Erosion or a Plaque Rupture and How to Treat
  Case Presenter: Takashi Kubo
- Case 3 Vulnerable Plaque and Peri Procedural Myocardial Infarction: I Should Have Used Protection
  Case Presenter: Emmanouil S. Brilakis
- Case 4 A Patient With a Vulnerable Plaque Who Developed a Late Event
  Case Presenter: Ryan D. Maddar
- 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

- Intravascular Imaging to Assess LMCA Stenosis Severity: Comparison With FFR
  Lecturers: Jose M. de la Torre Hernandez
- Is It Reasonable to Use Intravascular Imaging to Access Non LMCA Stenosis Severity Instead of FFR
  Lecturers: Evelyn Regar
- IVUS and/or OCT in the Assessment of Coronary Calcification and Guidance of Plaque Modification Strategies
  Lecturers: Akiko Maehara
- Roundtable Discussion With Audience QA

10:12 AM - 11:15 AM
Session III. Optimizing Stent Implantation
Moderators: Akiko Maehara, Evelyn Regar
Discussants: Stephan Achenbach, Adnan K. Chhatriwalla, Ning Guo, Takashi Kubo, Seung-Jung Park, Francesco Prati, Matthew J. Price

- Intravascular Imaging to Size and Optimize Stent Implantation: A Step by Step Algorithm
  Lecturers: Ziad A. Ali
- Case 5 Zero Contrast PCI: How We Do It
  Case Presenter: Jeffrey W. Moses
- Step by Step Algorithm for Decision making During CTO PCI Using Intravascular Imaging
  Lecturers: Alfredo R. Galassi
- Case 6 CTO in Which IVUS Made the Difference Between Success and Failure
  Case Presenter: Lei Ge
- 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  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
Lecturers: Nicolas Foin

8:31 AM  Roundtable Discussion With Audience QA

8:36 AM  More Than a Decade of Insights From the European Bifurcation Club LM and Non LM
Lecturers: Jens Flensted Lassen

8:46 AM  Roundtable Discussion With Audience QA

8:51 AM  Pro: Provisional Stenting Is More Useful Today Than Ever
Lecturers: Afzalur Rahman

8:57 AM  Con: The Benefits of Provisional Stenting Have Been Vastly Over Rated
Lecturers: Azeem Latib

9:03 AM  Roundtable Discussion With Audience QA

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 Hilidick-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 OCT Guidance for 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, Ioannis Iakovou
Discussants: Arif Al Nooryani, Carlo Briguori, Philippe Garot, Jorge Gaspar, Michael S. Lee, 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

11:48 AM Roundtable Discussion With Audience QA

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
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, Stamatas Lerakis, G. Burkhard Mackensen, Jose Luis Navia, 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

9:30 AM  POINT: Focus on the Annulus Size Severity Is Less Important

9:36 AM  COUNTERPOINT: Focus on the Severity of TR
Lecturers: Steven F. Bolling

9:42 AM  OPINION: The Case for Aggressive TR Repair During Mitral Valve Surgery
Lecturers: Paolo Denti

9:48 AM  Rebuttals and Discussion

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 Denti, 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 TriValve 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

10:08 AM  One Compelling Question

**DIDACTIC SESSION: CLINICAL TRIAL DESIGN, STATISTICS AND LITERATURE INTERPRETATION – THE EVIDENCE-BASED MEDICINE EXPERT**

2:00 PM - 6:20 PM  
**Room 6D, Upper Level**

2:00 PM  CompositeEndpoints: When Are They Valid and When Should They Be Discarded
Lecturers: Sanjay Kaul

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  CompositeEndpoints: When Are They Valid and When Should They Be Discarded
Lecturers: Sanjay Kaul
2:12 PM  ISCHEMIA Trial in the Spotlight: Why All the Fuss Over the Change in the Primary Endpoint
Lecturers: David J. Maron

2:28 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, Stuart J. Pocock
Discussants: Rasha Al-Lamee, Colin Berry, David J. Cohen, Bernard J. Gersh, Andrew Sharp, Paul A. Sobotka, 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: John A. Bittl, 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: Eugene H. Blackstone, Ovidiu Dressler, Daniele Giacoppo, Schuyler Jones, Peter Juni, 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: Otavio Berwanger

5:05 PM  Is it Time to Toughen Up the P0.05
Lecturers: Peter Juni

5:15 PM  Should We All Become Bayesians
Lecturers: Stuart J. Pocock

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, Roxana Mehran, E. Magnus Ohman, Stuart J. Pocock, Giulio Stefanini

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
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 - 3:20 PM
Session I. PCI Pharmacotherapy: Periprocedural Antithrombotic and Antiplatelet Therapy
Moderators: John A. Bittl, C. Michael Gibson
Discussants: Jose Diez, David Erlinge, Dmitriy 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, Fausto Feres, Hyeon-Cheol Gwon, Yaling Han, Javaid Iqbal, Neal S. Kleiman, Huay Cheem Tan

3:20 PM Who Is the High Bleeding Risk Patient and How Should DAPT Duration Be Weighed Against Ischemic Risk
Lecturers: Roxana Mehran

3:28 PM Patient Selection for Prolonged DAPT: Risk Scores or Wise Clinical Judgement
Lecturers: Usman Baber

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, Giulio Stefanini
Discussants: Robert A. Byrne, Piera Capranzano, Germano Di Sciascio, Kurt Huber, Roxana Mehran, Michelle O'Donoghue

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
In 2018 When Is Warfarin Therapy Required vs Acceptable and How Should it Be Dosed After PCI
Lecturers: Freek W.A. Verheugt

US and ESC Guidelines and Consensus on Antithrombotic Therapy in Patients With Atrial Fibrillation Undergoing PCI
Lecturers: Dominick J. Angiolillo

Periprocedural Management of Anticoagulation in Patients With Nonvalvular Atrial Fibrillation
Lecturers: Robert A. Byrne

Roundtable Discussion

Managing Aspirin Allergy Before DES Placement
Lecturers: John A. Bittl

GLOBAL LEADERS in Perspective: Perspectives on Ticagrelor Monotherapy
Lecturers: Patrick W. Serruys

De Escalation of DAPT After DES Placement: Is There a Role for Personalized Treatment
Lecturers: Dániel Aradi

The Asian Anti Platelet Therapy Paradox: Genetic Factors Dosing Bleeding and Stent Thrombosis Risk
Lecturers: Duk-Woo Park

Roundtable Discussion

Managing Aspirin Allergy Before DES Placement
Lecturers: John A. Bittl

GLOBAL LEADERS in Perspective: Perspectives on Ticagrelor Monotherapy
Lecturers: Patrick W. Serruys

De Escalation of DAPT After DES Placement: Is There a Role for Personalized Treatment
Lecturers: Dániel Aradi

The Asian Anti Platelet Therapy Paradox: Genetic Factors Dosing Bleeding and Stent Thrombosis Risk
Lecturers: Duk-Woo Park

Roundtable Discussion

DIDACTIC SESSION: THE LEFT MAIN AND BIFURCATION SUMMIT, PART 2

2:00 PM - 6:08 PM
Room 5, Upper Level

2:00 PM 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

When Will the Side Branch Occlude With Case Examples
Lecturers: Kefei Dou

Techniques for Wiring a Difficult Bifurcation and What To Do Then
Lecturers: Thomas Hovasse

How to Treat the Medina 001 Lesion

Why Does My Balloon Not Cross and What Should I Do
Lecturers: Manuel Pan

Case Presentation: Why I Lost This Side Branch and What I Should Have Done Instead
Case Presenter: Yves R. Louvard

Case Presentation: Why I Lost This Side Branch and What I Should Have Done Instead
Case Presenter: Annapoorna Kini

Case Presentation: My Worst Bifurcation Mistake
Case Presenter: Jens Flensted Lassen

Case Presentation: My Worst Bifurcation Mistake
Case Presenter: Adrian P. Banning

Roundtable Discussion With Audience QA

First Presentation of the 4 Year EXCEL Outcomes
Lecturers: Gregg W. Stone

New Data From the NOBLE Trial
Lecturers: Evald H. Christiansen

Summary of All the LM PCI vs. CABG Meta Analyses: Take Home Messages
3:32 PM  
**Lecturers:** Stuart J. Head  
**LM Stenting: New Insights From the DELTA 2 Registry**  
Lecturers: Aliade Chieffo

3:40 PM  
**Lecturers:** Bo Xu  
**Ten Year Outcomes of LM PCI: From the Fu Wai Left Main Registry**

3:48 PM  
**Lecturers:** Duk-Woo Park  
**Long Term Outcomes of LM PCI vs CABG: New Insights From the MAIN COMPARE and IRIS MAIN Registries**

3:56 PM  
**Lecturers:** Marie-Claude Morice  
**Case Settled: PCI for Most**

4:02 PM  
**Lecturers:** Robert A. Guyton  
**Case settled: CABG for Most**

4:08 PM  
**Roundtable Discussion With Audience QA**

4:20 PM - 6:08 PM  
**Session VI. Focus on Left Main Stenting Technique**  
**Moderators:** Antonio Colombo, Leif Thuesen  
**Discussants:** Vinay K. Bahl, Allen Jeremias, Fazila T. Malik, Ashish Pershad, Tanveer Rab, Giuseppe Tarantini, Carlos E. Uribe

4:20 PM  
**Lecturers:** Shao-Liang Chen  
**Pro The Data Speaks**

4:26 PM  
**Lecturers:** Francesco Burzotta  
**Con Common Sense Rules**

4:32 PM  
**Lecturers:** David Hildick-Smith  
**EBC Perspectives on LM Stenting Technique and the EBC Main Trial**

4:44 PM  
**Lecturers:** Jose M. de la Torre Hernandez  
**Why to Use IVUS to Guide LM Stenting: Evidence and Case Examples**

4:52 PM  
**Lecturers:** Akiko Maehara  
**How to Use IVUS to Guide LM Stenting: Evidence and Case Examples**

5:00 PM  
**Lecturers:** Divaka Perera  
**Physiological Assessment of Left Main Coronary Artery Disease**

5:08 PM  
**Lecturers:** Yves R. Louvard  
**Left Main Longitudinal Stent Distortion**

5:16 PM  
**Roundtable Discussion With Audience QA**
Lecturers: Yves R. Louvard

4:20 PM Pro The Data Speaks
Lecturers: Shao-Liang Chen

4:26 PM Con Common Sense Rules
Lecturers: Francesco Burzotta

5:21 PM Technical Approaches to the Left Main Trifurcation Lesion With Case Examples
Lecturers: Antonio Colombo

4:20 PM Pro The Data Speaks
Lecturers: Shao-Liang Chen

4:26 PM Con Common Sense Rules
Lecturers: Francesco Burzotta

5:29 PM SKS Stent Technique for True LM Bifurcation Disease: Advantages and Pitfalls With Case Examples
Lecturers: Javid Iqbal

4:20 PM Pro The Data Speaks
Lecturers: Shao-Liang Chen

4:26 PM Con Common Sense Rules
Lecturers: Francesco Burzotta

5:37 PM Lesion Preparations Strategies for the Left Main Bifurcation With Case Examples
Lecturers: Nirat Beohar

4:20 PM Pro The Data Speaks
Lecturers: Shao-Liang Chen

4:26 PM Con Common Sense Rules
Lecturers: Francesco Burzotta

5:45 PM When Is Mechanical Circulatory Support Required for Left Main PCI With Case Examples
Lecturers: Anu Tunuguntla

4:20 PM Pro The Data Speaks
Lecturers: Shao-Liang Chen

4:26 PM Con Common Sense Rules
Lecturers: Francesco Burzotta

6:00 PM Roundtable Discussion With Audience QA

DIDACTIC SESSION: TRANSCATHETER MITRAL VALVE THERAPIES, PART 1 - MITRAL VALVE REPAIR

SUNDAY, SEPTEMBER 23, 2018
2:00 PM - 6:17 PM
Room 1, Upper Level

2:00 PM - 2:52 PM
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
2:52 PM - 3:34 PM  
Session II. MitraClip Registry and (at Last) Randomized Trial Outcomes  
Moderators: Stefan Anker, Saibal Kar  
Discussants: Blase A. Carabello, Jörg Hausleiter, Hüseyin Obade, 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

3:34 PM - 4:49 PM  
Session III. Edge-to-Edge Mitral Valve Repair: MitraClip and Beyond  
Moderators: Ted Feldman, Joachim Schofer  
Discussants: Saf 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 Alawadi

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

4:49 PM - 6:17 PM  
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  
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  
MitraCerclage 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
Thinking Hybrid Mitral Procedures: Case Examples and Recommendations  
Lecturers: Samir R. Kapadia

Roundtable Discussion With Audience QA

### TCT ENDOVASCULAR: EXPERT CASE REVIEWS - ACUTE STROKE INTERVENTIONS

**SUNDAY, SEPTEMBER 23, 2018**  
**12:15 PM - 1:45 PM**  
Room 300-D, Upper Level

**12:15 PM - 1:45 PM**  
**Expert Case Reviews: Acute Stroke Interventions**  
Moderators: Aman B. Patel, Adnan Siddiqui  
Discussants: Mohammad Ali Aziz-Sultan, Alexander A. Khalessi, Demetrius Lopes, Charles Matouk, Scott Silverman

- **12:15 PM**  
  Case 1: Acute Stroke Treated With M1 Middle Cerebral Artery Thrombectomy  
  Case Presenter: Matthew Koch

- **12:25 PM**  
  Case 2: Acute Stroke With Cervical ICA Dissection and Intracranial Occlusion  
  Case Presenter: Alexander A. Khalessi

- **12:35 PM**  
  Case 3: Acute Stroke With Atherosclerotic ICA Occlusion and Intracranial Occlusion  
  Case Presenter: Adnan Siddiqui

- **12:45 PM**  
  Case 4: Radial Access for Acute Stroke Thrombectomy  
  Case Presenter: Demetrius Lopes

- **12:55 PM**  
  Case 5: Direct Carotid Access for Acute Stroke Thrombectomy  
  Case Presenter: Charles Matouk

- **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: Alexander A. Khalessi

- **1:25 PM**  
  Case 8: Acute Stroke Thrombectomy For Large Vessel Occlusion With Low NIHSS  
  Case Presenter: Matthew Koch

- **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. Aboufares, Gary M. Ansel, Karthik R. Guija, 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: Brian G. DeRubertis

- **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: Ali F. Aboufares, Steve Henao, Tak W. Kwan, Robert A. Lookstein

- **1:00 PM**  
  Cases to Avoid and Complication Management  
  Case Presenter: Ali F. Aboufares
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: Jeffrey G. Carr

1:30 PM  Round Discussion with Audience QA

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TCT ENDOVASCULAR: HOT TOPIC LUNCH - TREATMENT OF ACUTE PULMONARY EMBOLISM  CO-SPONSORED BY THE PERT CONSORTIUM

SUNDAY, SEPTEMBER 23, 2018  
12:15 PM - 1:40 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  
Discussants: Vikas Aggarwal, Mahir Elder, Jay S. Giri, Gregory Piazza, Kenneth Rosenfield, Akhilesh K. Sista

- 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
- 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

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TCT ENDOVASCULAR: EVAR/TEVAR DEEP DIVE

SUNDAY, SEPTEMBER 23, 2018  
2:00 PM - 4:00 PM  
Room 30D-E, Upper Level

2:00 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: Danielle Bajakian

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  
Discussants: J. Michael Bacharach, Somjot S. Brar, Patrick T. O'Gara, Darren B Schneider, Hiroo Takayama

3:20 PM  Endografting in Women: Are There Gender Differences in Technique or Outcomes With Case Examples  
Lecturers: Danielle Bajakian

3:28 PM  Endografting in Type A Dissection With Case Examples  
Lecturers: Hiroo Takayama

3:36 PM  Imaging in Type B Dissection Endografting: IVUS Assisted Techniques With Case Examples  
Lecturers: Virendra I Patel

3:44 PM  Endovascular Aortic Repairs: Historical Perspectives  
Lecturers: Darren B Schneider

3:52 PM  Roundtable Discussion  What Are the Unmet Needs in Endo grafting

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  
Moderators: Mirvat Alasnag, Graham A. Cassel, Ali Oto  

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

3:20 PM - 4:00 PM
Session III: Structural Heart Disease
Moderators: Habib Gamra, E. Murat Tuzcu
Discussants: Hadi Abu-Hantash, Dhaker Lahidheb, Chaim S. Lotan

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
12:15 PM - 1:45 PM
Room 238-C, Upper Level

12:15 PM - 1:45 PM
Chronic Kidney Disease: Preventing and Treating Contrast Nephropathy
Moderators: Sripal Bangalore, Somjot S. Brar
Discussants: Carlo Briguori, Graham A. Cassel, Jose de Ribamar Costa Jr, Hitinder S. Gurm, Navin K. Kapur, Roxana Mehran

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 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 C. Villines

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 Jilaiawi

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 C. 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

1:14 PM  Case 8: A Case of Cardiogenic Shock That We Treated With ECMO
Case Presenter: A. Reshad Garan

1:22 PM  Case 9: A Case of Cardiogenic Shock That We Treated With Biventricular Support
Case Presenter: Sanjog Kalra

Case Presenter: Jose M. de la Torre Hernandez

1:38 PM  Case 11: A Case of Out of Hospital Cardiac Arrest Without ST Segment Elevation That We Took to the Cath Lab
Case Presenter: Graham Nichol

1:46 PM  Take Home Messages: What Did We Learn From These Cases
Lecturers: Timothy D. Henry

**COMPLEX INTERVENTIONS: EXPERT CASE REVIEWS - COMPLEX TAVR CASES**

*SUNDAY, SEPTEMBER 23, 2018*

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 Wöhrlle

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

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**CTO Retrograde Techniques**

Moderators: Masahiko Ochiai, Georgios Sianos
Discussants: Tony J. DeMartini, Kefei Dou, Omer Goktekin, William Nicholson, Jason Wallmuth, 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 Wires**
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 Rathore

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

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**COMPLEX INTERVENTIONS: EXPERT CASE REVIEWS - INTERVENTIONAL RICH EMOTIONAL EXPERIENCES (AKA COMPLICATIONS) II: STRUCTURAL**
12:15 PM - 1:47 PM

**Interventional Rich Emotional Experiences (AKA Complications) II: Structural**

**Moderators:** Samir R. Kapadia, Bernard Prendergast

**Discussants:** Eric Eeckhout, Ganesh Manoharan, Christopher U. Meduri, John C. Messenger, Bernhard Reimers, Paul Sorajja

- **12:15 PM** Introduction: 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

---

**COMPLEX INTERVENTIONS: EXPERT CASE REVIEWS - LAA OCCLUSION: DECISIONS, TIPS, AND TRICKS**

**SUNDAY, SEPTEMBER 23, 2018**

**12:15 PM - 1:59 PM**

**Room 27A-B, Upper Level**

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**12:15 PM** Introduction: What Do We Hope to Learn From These Cases
  - Lecturers: Vivek Y. Reddy

- **12:18 PM** Case 1: Acute LAA Closure Device Embolization With Challenging Retrieval
  - Lecturers: Maurice Buchbinder

- **12:26 PM** Case 2: A Difficult Transseptal Puncture for an LAA Occlusion Procedure
  - Case Presenter: Megan Coylerright

- **12:34 PM** Case 3: A Case Where Procedural Guidance With TEE Made all the Difference
  - Case Presenter: Ramon Quesada

- **12:42 PM** Case 4: A Case Demonstrating Why I Prefer ICE Over TEE for LAA Occlusion
  - Case Presenter: Jacqueline Saw

- **12:42 PM** Case 5: A Case of Image Fusion Technology to Guide LAA Exclusion
  - Case Presenter: Carlos E. Ruiz

- **12:50 PM** Case 6: Closing the Wide Mouthed Multilobed LAA
### COMPLEX INTERVENTIONS: EXPERT CASE REVIEWS - LEFT MAIN AND BIFURCATION INTERVENTION: TECHNIQUE AND OUTCOMES

**SUNDAY, SEPTEMBER 23, 2018**  
12:15 PM - 1:45 PM  
Room 29A-B, Upper Level

<table>
<thead>
<tr>
<th>Time</th>
<th>Case</th>
<th>Presenter</th>
</tr>
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<tbody>
<tr>
<td>12:15</td>
<td><strong>Left Main and Bifurcation Intervention: Technique and Outcomes</strong></td>
<td></td>
</tr>
</tbody>
</table>
|        | **Introduction:** What Do We Hope to Learn From These Cases  
Lecturers: Davide Capodanno, Jean Fajadet                                   |                            |
|        | **Case 1:** An Ostial Left Main Lesion: How to Nail the Ostium  
Case Presenter: Afzalur Rahman                                          |                            |
| 12:20  | **Case 2:** A Complex Left Main Bifurcation: Is Lesion Preparation Necessary  
Case Presenter: Nirat Beohar                                             |                            |
| 12:28  | **Case 3:** A Complex Left Main Bifurcation: I Chose Provisional The Acute andor Late Results Were Unexpected  
Case Presenter: Jean Fajadet                                             |                            |
| 12:36  | **Case 4:** A Complex Left Main Bifurcation: I Chose SKS The Acute andor Late Results Were Unexpected  
Case Presenter: Samin K. Sharma                                          |                            |
| 12:44  | **Case 5:** A Complex Left Main Bifurcation: I Chose Culotte The Acute andor Late Results Were Unexpected  
Case Presenter: Miroslaw Ferenc                                           |                            |
| 12:52  | **Case 6:** A Complex Left Main Bifurcation: I Chose DK Crush The Acute andor Late Results Were Unexpected  
Case Presenter: Junjie Zhang                                              |                            |
| 1:00   | **Case 7:** A Left Main Distal Bifurcation PCI in Which Intravascular Imaging Markedly Changed My Treatment  
Case Presenter: Jacek Legutko                                             |                            |
| 1:08   | **Case 8:** A Left Main Distal Bifurcation PCI in Which Physiologic Guidance Markedly Changed My Treatment  
Case Presenter: Jung-Min Ahn                                              |                            |
| 1:16   | **Case 9:** A Complex Left Main Trifurcation: Heres How I Did It  
Case Presenter: Vinay K. Bahl                                             |                            |
| 1:24   | **Case 10:** Longitudinal Stent Deformation During Left Main Stenting  
Case Presenter: Yves R. Louvard                                           |                            |
| 1:32   | **Take Home Messages: What Did We Learn From These Cases**  
Lecturers: Jean Fajadet                                                  |                            |
| 1:40   |                                                                                                         |                            |

### COMPLEX INTERVENTIONS: EXPERT CASE REVIEWS - PHYSIOLOGIC GUIDANCE - FFR, iFR, CFR AND IMR

**SUNDAY, SEPTEMBER 23, 2018**  
12:15 PM - 1:47 PM  
Room 33B-C, Upper Level

<table>
<thead>
<tr>
<th>Time</th>
<th>Case</th>
<th>Presenter</th>
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<tr>
<td>12:15</td>
<td><strong>Physiologic Guidance in the Cath Lab: FFR, iFR and More</strong></td>
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<tr>
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<td><strong>Moderators:</strong> Javier Escaned, Morton J. Kern</td>
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</table>
Discussants: Felix Bohm, 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 CACI At TCT 2018. PCI in Stable Angina: Why Is ORBITA Not the Last Nail For Coronary Angioplasty?
Moderators: Anibal A. Damonte, Diego Drinfeld, Alfredo E. Rodriguez

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
Case Presenter: Guillermo Migliaro

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
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: Richard A. Schatz, Patrick W. Serruys
Discussants: Rafael Beyar, Peter C. Block, Jean Fajadet, George W. Vetrovec

2:00 PM The Legacy of Andreas Gruntzig 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 P. Carrozza Jr, 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

3:02 PM Roundtable Discussion With Audience QA

3:12 PM Shunt Assessment VSD ASD Typical Pitfalls
Lecturers: Holger M. Nef

3:20 PM 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: Anthony N. DeMaria, Kishore J. Harjai, 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
Moderators: George D. Dangas, Giuseppe Tarantini
Discussants: Steven R. Bailey, Giovanni Esposito, Juan F. Granada, Roxana Mehran, Francesco Saia

2:30 PM Introduction And Session Goals
Lecturers: Giuseppe Tarantini
2:35 PM Case 1 Introduction: A Patient With Chronic CAD At High Bleeding Risk Requiring PCI
Case Presenter: Giulio 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 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
Lecturers: Grzegorz L. Kaluza
3:42 PM Case 2 Conclusion: How Did I Actually Treat This Patient
Case Presenter: Usman Baber
3:47 PM Consensus: Considerations In The High Bleeding Risk Patient Requiring PCI And Oral Anticoagulant Therapy
Lecturers: Roxana Mehran
3:55 PM Conclusions And Take Home Messages
Lecturers: Giuseppe Tarantini

SPECIAL SESSION: DISCUSSIONS WITH THE LATE BREAKING TRIAL PRINCIPAL INVESTIGATORS II

SUNDAY, SEPTEMBER 23, 2018
3:45 PM - 5:00 PM
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

- **3:45 PM** LEADERS FREE II: Summary and Clinical Implications
  - Lecturers: Mitchell W. Krucoff
- **3:50 PM** Discussion
  - Discussants: Mitchell W. Krucoff
- **4:00 PM** SORT OUT IX: Summary and Clinical Implications
  - Lecturers: Lisette Okkels Jensen
- **4:05 PM** Discussion
  - Discussants: Lisette Okkels Jensen
- **4:15 PM** SOLVE TAVI: Summary and Clinical Implications
  - Lecturers: Holger Thiele
- **4:20 PM** Discussion
  - Discussants: Holger Thiele
- **4:30 PM** REDUCE FMR: Summary and Clinical Implications
  - Lecturers: Horst Sievert
- **4:35 PM** Discussion
  - Discussants: Horst Sievert
- **4:45 PM** COAPT: Summary and Clinical Implications
  - Lecturers: Gregg W. Stone
- **4:50 PM** Discussion
  - Discussants: Gregg W. Stone

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**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

Presentation Theater 5, Exhibit Hall, Ground Level

11:30 AM - 12:30 PM

**Advanced Solutions for Complex PCI: XIENCE Sierra, OCT and Outcomes**

Faculty: Jonathan M. Hill, Allen Jeremias, Ajay J. Kirtane, Jose M. de la Torre Hernandez

- **11:30 AM** Welcome
  - Lecturers: Jose M. de la Torre Hernandez
- **11:34 AM** Left Main NEW EXCEL Data and Case Review
  - Lecturers: Jonathan M. Hill
- **11:53 AM** Diffuse and Calcified Lesions: Treating Challenging Situations
  - Lecturers: Ajay J. Kirtane
- **12:12 PM** How to Use OCT to Get Precise Placement for Bifurcations: Introduction to the BOOM Technique
  - Lecturers: Allen Jeremias
- **12:30 PM** Adjourn

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**PRESENTATION THEATER PROGRAM: FFR AND NHPR: START RIGHT, FINISH RIGHT (SPONSORED BY OPSENS MEDICAL)**

**SUNDAY, SEPTEMBER 23, 2018**

11:30 AM - 12:30 PM

Presentation Theater 4, Exhibit Hall, Ground Level

11:30 AM - 12:30 PM

**FFR and NHPR: Start Right, Finish Right**

Chairs: Morton J. Kern

Faculty: Allen Jeremias, Hitoshi Matsuo, Manish A. Parikh, Barry F Uretsky

- **11:30 AM** Using One FFR Wire Start to Finish
PRESENTATION THEATER PROGRAM: THE COMING OF AGE OF FFRCT: CLINICAL USE OF THE HEARTFLOW FFRCT ANALYSIS TO GUIDE TREATMENT DECISION MAKING (SPONSORED BY HEARTFLOW)

SUNDAY, SEPTEMBER 23, 2018
11:30 AM - 12:30 PM
Presentation Theater 3, Exhibit Hall, Ground Level

11:30 AM - 12:30 PM
The Coming of Age of FFRCT: Clinical Use of the HeartFlow FFRCT Analysis to Guide Treatment Decision Making
Chairs: Gregg W. Stone
Faculty: Bernard De Bruyne, MD, PhD, Pamela S. Douglas, Jonathon A. Leipsic, Robert D. Safian

11:30 AM Welcome and Introduction
Lecturers: Gregg W. Stone

11:35 AM Overview of the HeartFlow Analysis
Lecturers: Bernard De Bruyne, MD, PhD

11:45 AM Review of Latest HeartFlow Data
Lecturers: Jonathon A. Leipsic

11:55 AM Incorporating HeartFlow into Daily Practice
Lecturers: Robert D. Safian

12:05 PM On the Horizon: HeartFlow Sponsored Randomized Clinical Trials I PRECISE
Lecturers: Pamela S. Douglas

12:10 PM On the Horizon: HeartFlow Sponsored Randomized Clinical Trials II DECISION
Lecturers: Gregg W. Stone

12:15 PM Moderated Discussion
Moderators: Gregg W. Stone
Lecturers: Bernard De Bruyne, MD, PhD
Discussants: Pamela S. Douglas, Jonathon A. Leipsic, Robert D. Safian

PRESENTATION THEATER PROGRAM: TMVR: PREPARING FOR THE NEXT REVOLUTION (SPONSORED BY CRF, SUPPORTED BY MEDTRONIC)

SUNDAY, SEPTEMBER 23, 2018
11:30 AM - 12:30 PM
Presentation Theater 1, Hall B2, Ground Level

11:30 AM - 12:30 PM
TMVR: Preparing for the Next Revolution
Co Chairs: Martin B. Leon, Christopher U. Meduri
Faculty: Vinayak Bapat, Michael J. Mack, Vivek Rajagopal, MD

11:30 AM Treatment of Mitral Disease in 2018 Current State
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

11:57 AM Discussion and Audience Interaction
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, Hall B2, Ground Level

11:30 AM - 12:30 PM 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, Exhibit Hall, Ground Level

1:00 PM - 2:00 PM 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
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, Hall B2, Ground Level

1:00 PM - 2:00 PM
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 Senoussaaoui, 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 PATIENTS WITH MR (SPONSORED BY ABBOTT)

SUNDAY, SEPTEMBER 23, 2018
1:00 PM - 2:00 PM
Presentation Theater 5, Exhibit Hall, Ground Level

1:00 PM - 2:00 PM
More Options and More Possibilities in Treating Patients with MR
Faculty: William T. Abraham, Saibal Kar, JoAnn Lindenfeld, Michael J. Mock, 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

2:00 PM  Adjourn

PRESENTATION THEATER PROGRAM: OPTIMIZING PCI: NEW OPTIONS IN CORONARY PHYSIOLOGY & HIGH DEFINITION IVUS (SPONSORED BY BOSTON SCIENTIFIC CORPORATION)
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, Hall B2, Ground Level

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

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  When and How to Use Coronary Atherectomy and The Importance of Stent Underexpansion in Addition to Device Delivery
Interactive Training Faculty: Jasvindar Singh

8:10 AM  The Use of Imaging to Assist With Calcium Management
Interactive Training Faculty: Robert Leonardi

8:20 AM  Tips and Tricks to Guide and Extension Management
Interactive Training Faculty: Dimitri Karmpaliotis

8:35 AM  Calcium Complications and Bailout Situations
Interactive Training Faculty: Ramzan Zakir

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, Peter M Farrugia, Craig M. Walker

8:30 AM  Rotation 2: Definitive Treatment Options and Debunking Featuring BSC
Interactive Training Faculty: George S Chrysant, Beau Hawkins, S. Jay Mathews

8:50 AM  Rotation 3: Definitive Treatment Options Debunking and Complex Lesions Featuring Medtronic
Interactive Training Faculty: S. Hinan Ahmed, Subhash Banerjee, Peter P. Monteleone

9:10 AM  Rotation 4: Debunking Featuring CSI
Interactive Training Faculty: Mahir Elder, Bryan T. Fisher, Vishal Kapur

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: Sameer Gafoor, Chad Kliger, Priti Mehla, Rahul Sharma, Gagan D Singh, Torsten P. Vahl, Alan Vainrib

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, Evan Shlofmitz, Gabriel Tensol Rodrigues Pereira, Armando Vergara-Martel

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 CALCIUM 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  When and How to Use Coronary Atherectomy and the Importance of Stent Underexpansion in Addition to Device Delivery
Interactive Training Faculty: Rajeev Narayan

10:10 AM  The Use of Imaging to Assist With Calcium Management
Interactive Training Faculty: Binita Shah

10:20 AM  Tips and Tricks to Guide and extension Management
Interactive Training Faculty: Mark C. Bieniarz
10:30 AM  Calcium Complications and Bailout Situations  
Interactive Training Faculty: Brian P O'Neill

10:45 AM - 11:30 AM  
Hands-on Rotations Between Boston Scientific, CSI, Abiomed

10:45 AM  Abiomed Featured Devices: Impella Family of Devices  
Interactive Training Faculty: Thom G Dahlle, Justin Levisay

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: Mohammad Mehdi Ansari, Peter M Farrugia, Ethan C Korngold

10:30 AM  Rotation 2: Definitive Treatment Options and Debulking Featuring BSC  
Interactive Training Faculty: Ehrin J. Armstrong, Bryan T. Fisher, Steve Henao

10:50 AM  Rotation 3: Definitive Treatment Options Debulking and Complex Lesions Featuring Medtronic  
Interactive Training Faculty: Subhash Banerjee, Eric J. Dippel, Dmitriy N. Feldman

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

10:00 AM - 11:30 AM  
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: Omar K. Khalique, Chad Kliger, Priti Mehla, Rahul Sharma, Gagan D Singh, Alan Vainrub

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 Level**

**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, Patrick A. Calvert, John M. Lasala, Igal Moarof, Rodrigo Nieckel da Costa, Jens Erik Nielsen-Kudsk

- **12:00 PM** Introduction
- **12:05 PM** 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, Saibal 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 IV 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, Bassem Chehab, Paolo Denti, Rodrigo Estevez-Loureiro, George Gellert, James B. Hermiller Jr, Paul D. Mahoney, Moody M Makar, Ahmed I Mustafa, Vivek Rajagopal, Michael J. Rinaldi, David G. Rizik, Joshua Rovin, Gagan D Singh, 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  Radial Tips and Tricks
Interactive Training Faculty: Kintur Sanghvi
  2:10 PM  Crossing and Delivery Issues
Interactive Training Faculty: Dimitrios Bliagos
  2:20 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
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: Azeem Latib, Duane S. Pinto*

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**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**  
  **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: Peter M Farrugia, 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**  
  *Interactive Training Faculty: Samer Abbas, Mitul Patel, Mitchell Weinberg*

- **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*

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**TRAINING: HEMODYNAMIC SUPPORT AND PATIENT MANAGEMENT PAVILION #7 - HEMODYNAMICS OF SHOCK AND HIGH RISK PCI**

**SUNDAY, SEPTEMBER 23, 2018**

2:00 PM - 3:30 PM  
**HEMODYNAMIC PAVILION, Interactive Training Workshops (Sails Pavilion), Upper Level**

- **2:00 PM**  
  **Introduction to TEACH: 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: Daniel Burkhoff, John M. Lasala*

- **3:00 PM**  
  **Simulated Cases on AMICGS Hands On**  
  *Interactive Training Faculty: Perwaiz M. Meraj*

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**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**

- **2:00 PM**  
  **Advanced Imaging for Valve-in-Valve**  
  *Interactive Training Faculty: Omar K. Khalique, Chad Kliger, Rahul Sharma, Torsten P. Vahl*

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**TRAINING: MEDTRONIC PAVILION #8 - STRUCTURAL HEART: CONFRONTING THE PATIENT WITH CORONARY ARTERY DISEASE AND AORTIC STENOSIS**
2:00 PM - 3:30 PM
Structural Heart: Confronting the Patient With Coronary Artery Disease and Aortic Stenosis
Interactive Training Faculty: Harold L. Dauerman

2:00 PM  Introduction Welcome Remarks
2:05 PM  Appropriate treatment pathway for patients presenting with both CAD and AS
2:05 PM  Case base Discussion
2:05 PM  Initial Treatment Decisions and Considerations

TRAINING: TAVR PAVILION #7 - UNDERSTANDING THV HEMODYNAMICS AND DURABILITY

2:00 PM - 3:30 PM
Understanding THV Hemodynamics and Durability
Interactive Training Faculty: Pamela S. Douglas, Danny Dvir, Rebecca T. Hohn, Philippe Pibarot, Vinod H. Thourani

TRAINING: ABBOTT PAVILION #10 - GUIDEWIRE DESIGN AND SELECTION: A HANDS-ON USER'S GUIDE TO GUIDE WIRE TECHNOLOGY

4:00 PM - 5:30 PM
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 SupportSpecialty 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

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  Radial Tips and Tricks
Interactive Training Faculty: William A Rollefson

4:10 PM  Crossing and Delivery Issues
Interactive Training Faculty: Ashish Pershad

4:20 PM  Troubleshooting Common Problems in Complex PCI: When the Guide Wont Engage When the Lesion or Branch Cant Be Wired Open Vessel When the Balloon Wont Cross When the Stent Doesnt Expand Non Coaxial and Co Axial Anchoring
Interactive Training Faculty: Pravin K Goel

4:32 PM  Complications Management
Interactive Training Faculty: Junjie Zhang

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: Fausto Feres, Duane S. Pinto, Junjie Zhang

TRAINING: ENDOVASCULAR PAVILION #8 - SFA INTERVENTION, COMPLEX LESIONS, DEBULKING, AND DEFINITIVE THERAPY

SUNDAY, SEPTEMBER 23, 2018
4:00 PM - 5:30 PM
ENDOVASCULAR PAVILION, Interactive Training Workshops (Sails Pavilion), Upper Level

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, Anvar Babaev, George S Chrysant, Lawrence A. Garcia, S. Jay Mathews, Carlos I. Mena-Hurtado, Mitul 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: George S Chrysant, S. Jay Mathews

4:50 PM  Rotation 3: Definitive Treatment Options Debulking and Complex Lesions Featuring Medtronic
Interactive Training Faculty: Samer Abbas, Anvar Babaev, Mitchell Weinberg

5:10 PM  Rotation 4: Definitive Treatment Options and Complex Lesions Featuring Cook
Interactive Training Faculty: Lawrence A. Garcia, Carlos I. Mena-Hurtado, 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 Insertion/Repositioning 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: Omar K. Khalique, Chad Kliger, 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, James L. Velianou, 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 27A-B, Upper Level

8:30 AM - 9:11 AM
Session I. High-Risk and Complex Intervention Part 1
Moderators: Paul Hsien-Li Kao, Wason Udayachaler
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: Yasuke 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: Huan-Li Huang, Wirah Kesahuskharoen, 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

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: Sasko Kedev

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 Aneurymsmal 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
INTERNATIONAL SESSION: COMPLEX HIGH-RISK INDICATED PATIENTS (CHIP PCI) PRESENTED BY THE BRITISH CARDIOVASCULAR INTERVENTION SOCIETY, RUSSIAN SCIENTIFIC SOCIETY OF ENDOVASCULAR THERAPIES, SCOTTISH CARDIAC SOCIETY, AND THE IRISH CARDIAC SOCIETY

SUNDAY, SEPTEMBER 23, 2018
10:00 AM - 11:30 AM
Room 27A-B, Upper Level

10:00 AM - 11:30 AM
Complex High-Risk Indicated Patients (CHIP PCI)
Moderators: Margaret B. McEntegart, James Nolan
Discussants: Bagrat Alekyan, Richard A Anderson, Vladimir Ganyukov, Mamas Mamas

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

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
Case Presenter: David Burke

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, 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
<table>
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<th>Time</th>
<th>Event</th>
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<tr>
<td>10:55</td>
<td>Roundtable Discussion With Audience QA</td>
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<tr>
<td>11:00</td>
<td>Case Presentation From S. Korea: Complete Vs. IRA only PCI Among STEMI Patients With MVD</td>
</tr>
<tr>
<td>11:10</td>
<td>Roundtable Discussion With Audience QA</td>
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</tbody>
</table>
| 11:15 | Case Presentation From Vietnam: Pharmacoinvasive Strategy In the Developing World  
   Case Presenter: Quang Ngoc Nguyen                                      |
| 11:25 | Roundtable Discussion With Audience QA                               |
| 11:30 | 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 - 3:30 PM**

*Exploring the Unknown of Interventional Cardiology: PCI and Structural Interventions*

Moderators: Joshua P. Loh, João A Silveira
Discussants: Andres Jr N Baysa, Alexandre Schoan 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  
   Rota STEMI and OPN Balloon at 4 AM  
   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

3:22 PM | Roundtable Discussion With Audience QA

3:26 PM | Closing Remarks  
   Lecturers: Joshua P. Loh

**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**
### 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

<table>
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<tr>
<th>Time</th>
<th>Session Title</th>
<th>Presenter(s)</th>
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<tbody>
<tr>
<td>3:30 PM</td>
<td><strong>Introduction</strong></td>
<td>Lecturers: Armando Perez de Prado</td>
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<tr>
<td>3:35 PM</td>
<td><strong>Spain Presents: Hemodynamic Support in a Killip IV Class Patient With Acute Myocardial Infarction</strong></td>
<td>Case Presenter: Ana Belen Cid Alvarez</td>
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<tr>
<td>3:47 PM</td>
<td><strong>Spain Discusses: How Would I Approach This Patient and Cardiogenic Shock in General</strong></td>
<td>Lecturers: Raul Moreno</td>
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<tr>
<td>3:54 PM</td>
<td><strong>Turkey Presents: A Patient With Coronary Thrombus Undergoing Primary PCI for STEMI Is Stenting Always a Solution</strong></td>
<td>Case Presenter: Cem Barcin</td>
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<tr>
<td>4:06 PM</td>
<td><strong>Turkey Discusses: How Would I Approach This Patient and Coronary Thrombus in General</strong></td>
<td>Lecturers: Nezih Baris</td>
</tr>
<tr>
<td>4:13 PM</td>
<td><strong>The Netherlands Presents: Two Step Stent Approach to Coronary Dissection and Vessel Wall Hematoma</strong></td>
<td>Case Presenter: Rik Hermanides</td>
</tr>
<tr>
<td>4:25 PM</td>
<td><strong>The Netherlands Discusses: How Would I Approach This Patient and Multivessel Disease in STEMI in General</strong></td>
<td>Lecturers: Niels van Royen</td>
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<tr>
<td>4:32 PM</td>
<td><strong>Australia Presents: A Patient With Spontaneous Coronary Artery Dissection To Treat or Not</strong></td>
<td>Case Presenter: Scott Harding</td>
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<tr>
<td>4:44 PM</td>
<td><strong>Australia Discusses: How Would I Approach This Patient and SCAD in General</strong></td>
<td>Lecturers: Mark W.I. Webster</td>
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**Take home Messages**  
**Lecturers:** David W.M. Muller

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### INTERNATIONAL SESSION: OCT GUIDANCE IN LEFT MAIN BIFURCATIONS, PRESENTED BY THE NORDIC-BALTIC-BRITISH STUDY GROUP FOR INTERVENTIONAL CARDIOLOGY

**SUNDAY, SEPTEMBER 23, 2018**  
**Room 27A-B, Upper Level**

<table>
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<tr>
<th>Time</th>
<th>Session Title</th>
<th>Presenter(s)</th>
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<tbody>
<tr>
<td>3:30 PM</td>
<td><strong>Simple Left Main Bifurcation Treatment Guided by OCT</strong></td>
<td>Discussants: Andrejs Erglis, Niels R. Holm</td>
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<tr>
<td>3:30 PM</td>
<td><strong>Structured OCT Guidance for Left Main Bifurcation Stenting</strong></td>
<td>Lecturers: Niels R. Holm</td>
</tr>
<tr>
<td>3:40 PM</td>
<td><strong>Case 1: OCT in Simple Left Main Bifurcation Stenting</strong></td>
<td>Case Presenter: Indulis Kumsars</td>
</tr>
<tr>
<td>3:50 PM</td>
<td><strong>Case 2: OCT Guided Provisional Left Main Stenting Should I Stent This Circumflex</strong></td>
<td>Case Presenter: Johan R Bennett</td>
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</tbody>
</table>

**4:00 PM - 4:30 PM**  
**Session II. OCT Findings During Complex Left Main Bifurcation Stenting**  
**Moderators:** Evald H. Christiansen  
**Discussants:** Andrejs Erglis, Niels R. Holm

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<th>Time</th>
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<tbody>
<tr>
<td>4:00 PM</td>
<td><strong>OCT in the Left Main Coronary Artery Practical Tips and Tricks</strong></td>
<td>Lecturers: Francesco Burzotta</td>
</tr>
<tr>
<td>4:10 PM</td>
<td><strong>Case 3: OCT as Cosupervisor for the Young Interventionalist Undertaking Left Main Bifurcation Stenting</strong></td>
<td>Case Presenter: Karlis Grikis</td>
</tr>
<tr>
<td>4:20 PM</td>
<td><strong>Case 4: Complex Left Main Stenting Requires Invasive Imaging Even in Experienced Hands</strong></td>
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**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
Moderators: Evald H. Christiansen
Discussants: Andrejs Erglis, Niels R. Holm

5:00 PM OCT Guided Plaque Preparation for Calcified Distal Left Main Lesions
Lecturers: Evald H. Christiansen

5:07 PM Case 7: Severely Calcified Distal Left Main Bifurcation Lesion
Case Presenter: Olli A. Kojander

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-B, 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 Zbroski

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 Bahaaeldin

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: Michael Michail

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
5:45 PM - 6:05 PM

**Session III. My Most Challenging Case - Fellows Committee**

Moderators: Mirvat Alasnag, Robin dra Nath Chakrabarty
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

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**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: Jiri Maly, 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 ASESS REGURGEProtocoled 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 Porcine Model
  Lecturers: Rodrigo Modolo

- **9:13 AM** Discussion

- **9:18 AM** TCT 447: Severity Assessment of Transcatheter Aortic Valve Paravalvular Regurgitation Based on the Leakage Momentum Flux
  Lecturers: Mohammad Barakat

- **9:25 AM** Discussion

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**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

**8:30 AM - 9:18 AM**
**Best of Moderated TAVR Poster Abstracts II**

Moderators: Stephen R. Ramee, David A. Wood
Discussants: Rodrigo Bagur, Robert J. Gil, Jean-Michel Paradis, Eric Van Belle

- **8:30 AM** 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
  Lecturers: G. Michael Deeb

- **8:37 AM** Discussion
TCT 434: Assessing National Estimates of 30 Readmission Rates and Associated Costs With Transcatheter and Surgical Aortic Valve Replacement in the United States
Lecturers: Kimberly Moore

Discussion

TCT 435: The Outcomes of Bicuspid Aortic Valve Patients Undergoing Surgical vs Transcatheter Aortic Valve Replacement
Lecturers: Mohamad Soud

Discussion

Lecturers: Mark Hensey

TCT 436: Aldehydes Potential Drivers of Valve Leaflet Thrombosis Post Transcatheter Aortic Valve Replacement
Lecturers: Mark Hensey

Discussion

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

8:30 AM - 9:30 AM
Cath Lab of the Future: Telemedicine and Robotics
Moderators: Giora Weisz
Discussants: R. Stefan Kiesz, Samin K. Sharma

8:30 AM
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
Lecturers: Sameer Mehta

8:37 AM
Discussion

8:42 AM
TCT 439: Long Term Savings With Telemedicine STEMI Networks
Lecturers: Sameer Mehta

8:49 AM
Discussion

8:54 AM
Lecturers: Sameer Mehta

9:01 AM
Discussion

9:06 AM
TCT 441: SOCIME LATin: Partners for Comprehensive Nationwide AMI Care in Mexico
Lecturers: Sameer Mehta

9:13 AM
Discussion

9:18 AM
TCT 442: Robotic Peripheral Vascular Intervention With Drug Coated Balloons Is Feasible and Reduces Operator Radiation Exposure Results of the Robotic Assisted Peripheral Intervention for Peripheral Artery Disease RAPID Study II
Lecturers: Lawrence Ang

9:25 AM
Discussion

MODERATED POSTER SESSION: HEMODYNAMIC SUPPORT AND HIGH RISK PCI

SUNDAY, SEPTEMBER 23, 2018
8:30 AM - 9:30 AM
Moderated Posters 4, Exhibit Hall, Ground Level

8:30 AM - 9:30 AM
Hemodynamic Support and High Risk PCI
Moderators: Marvin J. Slepian, Christian M. Spaulding
Discussants: Carlo Briguori, Ian C. Gilchrist, Michael A. Kutcher

8:30 AM
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

8:42 AM
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: Sameer Mehta

Discussion
Lecturers: Thomas Earl
8:49 AM  Discussion

8:54 AM  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

9:06 AM  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

9:18 AM  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
Moderated Posters 7, Exhibit Hall, Ground Level

8:30 AM - 9:30 AM  Intracoronary Physiology Studies II
Moderators: Amir Lerman, Nick E. J. West
Discussants: Modrag C. Ostojic, Seung-Jung Park, Expedito Eustáquio Ribeiro, Shengxian Tu

8:30 AM  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

8:42 AM  TCT 464: Diagnostic Classification of the Coronary Flow Velocity Reserve and Hyperemic Stenosis Resistance Index Using Contrast Media
Lecturers: Masaumi Nakayama
8:49 AM  Discussion

8:54 AM  TCT 465: Diagnostic Accuracy of Microcatheter Derived Fractional Flow Reserve Systematic Review With Lesion Level Analysis
Lecturers: Ozan Demir
9:01 AM  Discussion

9:06 AM  TCT 466: Clinical Utility of a Novel Mathematical Solution for Assessment of Individual Lesion Contribution in Serial Coronary Artery Disease
Lecturers: Bhavik Modi
9:13 AM  Discussion

9:18 AM  TCT 467: Adenosine Free Indexes vs FFR for Functional Evaluation A Systematic Meta Analysis
Lecturers: Antonio Maria Leone
9:25 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: Ramon Quesada, Carl L. Tommaso
Discussants: Daniele Giacoppo, Joo Myung Lee, 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

TRANSCATHETER CARDIOVASCULAR THERAPEUTICS | SUNDAY, SEPTEMBER 23, 2018  Last Updated 09/10/2018  Page: 161
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, Giulio Stefanini
Discussants: Francesco Prati, Bjorn Redfors

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

9:01 AM Discussion

9:06 AM TCT 471: BIOVITESSE Multicenter Prospective First in Man Study of a New Polymer Free Drug Coated Stent With Ultrathin Struts: One Month Optical Coherence Tomography Results of Cohort 1
Lecturers: Lorenz Raber

9:13 AM Discussion

9:18 AM TCT 472: ACS vs Non ACS A Predefined Sub Study Analysis of e Cobra
Lecturers: Luc Maillard

9:25 AM Discussion

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 Marshad

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

9:18 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: Tyrone J. Collins, Roger J. Laham
Discussants: 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
Lecturers: Sunny Goel
10:01 AM Discussion
10:06 AM TCT 487: Analysis of Outcomes of Drug Coating Balloon Use for of Symptomatic Femoropopliteal Arterial Disease Treatment
Lecturers: Daniel Garcia
10:13 AM Discussion

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, Kengo Tanabe, 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

9:37 AM Discussion

9:42 AM TCT 489: Use of a Percutaneous Left Ventricular Assist Device for Patients With Cardiogenic Shock
Lecturers: Waqas Malick

10:01 AM Discussion
MODERATED POSTER SESSION: INTRAVASCULAR IMAGING AND INCOMPLETE STENT APPPOSITION

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: Martin W. Bergmann, Robert-Jan van Geuns
Discussants: Daniel H. Berrocal, Adriano Caixeta, Bo Xu

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

9:37 AM
Discussion

9:42 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 Kyodo

9:49 AM
Discussion

9:54 AM
TCT 505: Temporal Changes of Stent Apposition Immediately After Stent Deployment Using Optical Coherence tomography
Lecturers: Hyuck Jun Yoon

10:01 AM
Discussion

10:06 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
Lecturers: Yohei Uchimura

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: Petr Kala, Daniel I. Simon
Discussants: Nicolas Foin, Philippe Garot, Ioannis Iakovou

9:30 AM
TCT 508: Tracking Tissue Distribution and Retention of Sirolimus and Analog Delivered From Polymer Free Drug Coated Stents
Lecturers: Abraham Tzofirri

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

9:49 AM
Discussion
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 Angiolute 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: Tayo A. Addo, Christian W. Hamm
Discussants: 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

10:06 AM TCT 501: Profilin 1 Concentration Is A Marker of Symptom Duration in Myocardial Infarction
Lecturers: Elzbieta Paszek
10:13 AM Discussion

10:18 AM TCT 502: Are Pharmaco invasive Therapy Results After 6 Hours of Symptoms Onset Adequate How Do they Compare With Those Treated With Less Than 6 Hours
Lecturers: Guilherme Cintra
10:25 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, 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, Chandon 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 the PARTNER II Trial  
Lecturers: Leon Gustavo Macedo

10:13 AM  Discussion

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, Michael J. Mullen  
Discussants: Joseph P. Carrazza Jr, Antoine Lafont, Simon Cheung-chi Lam, John M. Lasala

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

**MEDITATED 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

11:13 AM Discussion

**MEDITATED 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: Stefan Harb, Jennifer A. Tremmel
Discussants: Ravi S. Hira, Waleed Y Kadro, Jaikirshan Khatri, Iosif Xenogiannis, Masatoki Yoshida

10:30 AM TCT 528: Impact of Revascularization vs Medical Therapy AIOne 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
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 Counterpulsation
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

SUNDAY, SEPTEMBER 23, 2018
10:30 AM - 11:30 AM
Moderated Posters 5, Exhibit Hall, Ground Level

10:30 AM - 11:30 AM

Miscellaneous TAVR Complications II
Moderators: Mauricio G. Cohen, Pieter R. Stella
Discussants: Robert J. Applegate, Larry S. Dean, David W.M. Muller, Ramon Quesada

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
MODERATED POSTER SESSION: NEWER DES III

SUNDAY, SEPTEMBER 23, 2018
10:30 AM - 11:30 AM
Moderated Posters 8, Exhibit Hall, Ground Level

10:30 AM - 11:30 AM
Newer DES III
Moderators: Kenneth Chin, Sigmund Silber
Discussants: Hyeon-Cheol Gwon, João A Silveira, S C 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
Discussion

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
Discussion

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 ABI E Registry
Lecturers: Luca Testa
Discussion

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
Discussion

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
Discussion

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, Michelle O'Donoghue
Discussants: Teresa L. Carman, Kurt Huber, Piotr Jankowski, Giulio 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
Discussion

10:37 AM
Discussion

10:42 AM
TCT 538: Bleeding Outcomes in Patients Undergoing Combined TAVRPCI: Time for An Adjustment to the CathPCI Bleeding Model
Lecturers: Aakriti Gupta
Discussion

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
Discussion

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
Discussion

11:13 AM
Discussion
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, John S. Douglas Jr
Discussants: Tak W. Kwan, Faisal Latif, 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

11:25 AM Discussion

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: William F. Fearon, Wilson Y. Szeto
Discussants: Anita Asgar, Nirat Beohar, 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: Bhrugesh 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, Srihari S. Naidu
Discussants: Parag Barwad, Marek Grygier, Michael J. Mullen, Carmelo Panetta, Sanjeevan Pasupati

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: Yashwant Agrawal

12:01 PM  Discussion

12:06 PM  TCT 555: Feasibility and Safety/Efficacy Profile of the Percutaneous Patent foramen Closure: Nobiestitch 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, 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: Lahdan 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, Zhao Wang

11:30 AM  TCT 578: Assessment of Lesion Specific Ischemia Using Fractional Flow Reserve FFR Profiles Derived From Coronary Computed tomography Angiography FFCT and invasive Measurements FFRINV: Importance of the Site of Measurement and Implications for Patie
Lecturers: Elvis Cami
11:37 AM  Discussion
11:42 AM  TCT 579: Evaluation of the Diagnostic Performance of the Quantitative Flow Ratio QFR According to the Inter individual Variations in the Adenosine Response During Fractional Flow Reserve FFR Measurement
Lecturers: Hernan 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

SUNDAY, SEPTEMBER 23, 2018
11:30 AM - 12:30 PM
Moderated Posters 6, Exhibit Hall, Ground Level

11:30 AM - 12:18 PM
Management of In-Stent Restenosis III
Moderators: James B. Hermiller Jr, Richard Shlufman
Discussants: Tayo A. Addo, Mohamed Ali Elsalamony, Runlin Gao, Daniele Giacoppo, 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
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
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
Lecturers: Takashi Hiromasa
12:13 PM  Discussion

MODERATED POSTER SESSION: NEWER DES IV
11:30 AM - 12:30 PM
Newer DES IV
Moderators: Sundeep Mishra, Manel Sabate
Discussants: Alexandre Abizaid, Salvatore Brugaletta, Joseph P. Carrozza Jr, 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 REMEDEE 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

11:30 AM - 12:18 PM
Non-elective TAVR or Balloon Valvuloplasty
Moderators: Igor F. Palacios, Christian Spies
Discussants: Simon Redwood, Francesco Saia, Molly Szerlip, Alan Zajarias

11:30 AM 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

11:42 AM 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

11:54 AM TCT 572: Mechanical Circulatory Support Utilization in Transcatheter Aortic Valve Replacement in the United States
Lecturers: Ahmad Alkhaili

12:01 PM Discussion

12:06 PM 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, Dominick J. Angiolillo
Discussants: 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 For Coronary 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
Discussants: Melvin D. Lobo, Farrell O. Mendelsohn, C. Venkata S. Ram, Paul A. Sobotka, Stephen C. Textor

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 Tzafirri

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, Julia Baron, Wolfgang Backsch, Daniele Giacoppo, Lloyd W. Klein, Kyung Woo (KW) Park, Asif Qasim, Gireesh Warwadekar

12:45 PM TCT 592: Remote Ischemic Conditioning in Acute ST Elevation Myocardial Infarction Does Not Protect Against Acute Kidney Injury
Lecturers: Iliona 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

Comorbidities in CAD II
Moderators: John A. Ambrose, Sori J. Brener
Discussants: Wacin Buddhari, Joo Myung Lee, Giampaolo Niccoli, Jan J. Piek, Expedito Eustáquio 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
Computational Fluid Dynamics (CT-FFR, QFR, Intravascular Imaging-FFR, and others) IV
Moderators: John McB. Hodgson, Evelyn Regar
Discussants: Patrick Dupouy, Marc D. Feldman, Jonathan M. Hill, 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
Moderated Posters 8, Exhibit Hall, Ground Level

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: De-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 - 1:45 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. McIntegart, 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 Zandoort
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
Lecturers: Wienke Vlastra

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
Lecturers: Dominique Monlezun

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
Moderators: Adriano Caixeta, Ruediger S. Lange
Discussants: Biswajit Kar, 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
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: Christian Frerker, 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
Lecturers: Yi Li
2:40 PM Discussion

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, Michael A. Kutcher
Discussants: Arif Al Nooryani, Jaikirshan Khatri, 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: Arnav Kumar
2:04 PM Discussion

2:09 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
2:16 PM Discussion

2:21 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
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

1:45 PM - 2:45 PM  
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

Non-atherosclerosis Coronary Artery Disease II  
Moderators: Francesco Pelliccia, Renu Virmani  
Discussants: Valerian Fernandes, Yuji Ikari, Sasko Kedev

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 Vascularopathy  
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

2:28 PM  
Discussion

2:33 PM  
TCT 636: international Experience With Impella Mechanical Circulatory Support for Takotsubo Syndrome With Shock  
Lecturers: L Christian Napp

2:40 PM  
Discussion

2:40 PM  
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

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
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

TCT 637: A Meta Analysis of Clinical Outcomes of Transcatheter Aortic Valve Replacement in Patients With End Stage Renal Disease
Lecturers: Javier Amione Guerra
Discussion

TCT 638: Clinical Outcomes of Hemodialysis Patients With Coronary Artery Disease After Newer Generation Drug Eluting Stent Implantation
Lecturers: Shota Okuno
Discussion

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
Discussion

TCT 640: Transcatheter Aortic Valve Replacement vs Surgical Aortic Valve Replacement Outcomes in Patients on Dialysis: Systematic Review and Meta Analysis
Lecturers: Zaher Fanari
Discussion

TCT 641: Transcatheter Aortic Valve Replacement Outcomes in Patients With End Stage Renal Disease: Systematic Review and Meta Analysis
Lecturers: Zaher Fanari
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

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
Discussion

TCT 643: Antiplatelet Therapy With Cangrelor in Patients Undergoing Surgery After Coronary Stent Implantation: A Real World Bridging Protocol Experience
Lecturers: Giulia Masiero
Discussion

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
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 Tomania

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 Søndergaard  
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 Prostheses  
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  
Moderated Posters 8, Exhibit Hall, Ground Level

2:45 PM - 3:45 PM  
Metallic Bioresorbable Vascular Scaffolds II  
Moderators: Stephan Achenbach, Bernardo Cortese  
Discussants: Vasim Farooq, Yasuhira Honda

2:45 PM  TCT 700: initial Experience of Magnesium Bioresorbable 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 Rai, 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
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: J. Aaron Grantham, Habib Samady
Discussants: Parag Barwad, Andrea Gagnor, JJ Goy, Luiz F 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 RevascularizationA Strain Echocardiography Based Study
Lecturers: Chun Kai Chen

3:16 PM
Discussion

3:21 PM
TCT 715: Evaluation of the Impact of Percutaneous Coronary Intervention of Chronic Total Occlusion on Regional Myocardial Function Using Strain Echocardiography
Lecturers: Mohamed El Gowelly

3:28 PM
Discussion

3:33 PM
TCT 716: Over Ten Years Follow Up of Chronic Total Coronary Occlusion Angioplasty
Lecturers: Kohei Yoneda

3:40 PM
Discussion

3:45 PM
TCT 717: Impact of Percutaneous Coronary Intervention for Chronic Total Occlusion on Long Term Outcomes of Patients With Stable Coronary Artery Disease Accompanied By Left Ventricular Dysfunction
Lecturers: Ryosuke Murai

3:52 PM
Discussion

3:57 PM
TCT 718: A Meta Analysis of Long Term Clinical Outcomes Following Successful Percutaneous Coronary Intervention With Drug Eluting Stents for Chronic Total Occlusions
Lecturers: Aravdeep Jhand

4:04 PM
Discussion

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 Kelbæk, Richard A. Schatz
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

TCT 691: National Trends of Percutaneous Coronary Intervention for the Elderly
Lecturers: Ayman Elbadawi, MD

3:04 PM Discussion

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

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

TCT 694: Outcomes of Percutaneous Coronary Intervention in Octogenarians: Insight 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. Smits
Discussants: Bimmer E. Claessen, Waleed Y Kadro, Michael Maeng, Nadia R Sutton

2:45 PM TCT 677: Multivessel vs Culprit Lesion only Percutaneous Coronary Intervention in Acute Myocardial Infarction Complicated By Cardiogenic Shock: An Updated Meta Analysis
Lecturers: Amartya Kundu

2:52 PM Discussion

2:57 PM TCT 679: the Impact of Complete Revascularization in STEMI Patients With Left Ventricular Dysfunction
Lecturers: Jeehoon Kang

3:04 PM Discussion

3:09 PM TCT 680: Trends and Predictors of Early Readmission in STEMI Patients Undergoing Multivessel Percutaneous Coronary Intervention
Lecturers: Byomesh Tripathi

3:16 PM Discussant

3:21 PM TCT 681: Culprit Vessel only vs Multivessel Percutaneous Coronary Intervention in Acute St Elevation Myocardial Infarction With Cardiogenic Shock: A Comprehensive Updated Meta Analysis
Lecturers: Muhammad Khalid

3:28 PM Discussion

MODERATED POSTER SESSION: SURGICAL TREATMENT OF AORTIC OR MV DISEASE

SUNDAY, SEPTEMBER 23, 2018
2:45 PM - 3:57 PM
Moderated Posters 1, Exhibit Hall, Ground Level

2:45 PM - 3:57 PM
Surgical Treatment of Aortic or MV Disease
Moderators: Gregory P. Fontana, Isaac George
Discussants: Stephan M. Ensminger, Mathew Williams

2:45 PM TCT 667: Causes and Clinical Outcomes of Patients With Mitral Regurgitation Who Are ineligible for Transcatheter Mitral Valve Replacement
TCT 668: Thirty Day Readmissions After Transcatheter Mitral Valve Repair Vs Surgical Mitral Valve Repair: Analysis of the 2014-2015 Nationwide Readmissions Databases
Lecturers: Fabio Lima

TCT 669: Contemporary Outcomes of Isolated Bioprosthesis Valve Replacement for Mitral Regurgitation
Lecturers: Chalak Berzingi

TCT 670: Difference in Post SAVR Inpatient Outcomes Between TAVR and Non TAVR Performing Hospitals
Lecturers: Godly Jack

TCT 671: A Systematic Review and Meta Analysis of Permanent Pacemaker Implantation and Paravalvular Leak Rates After Sutureless Aortic Valve Operations
Lecturers: Luke Seibolt

TCT 672: Trends in Utilization of Surgical and Transcatheter Mitral Valve Repair in the United States
Lecturers: Tanush Gupta

MODERATED POSTER SESSION: SYNTAX SCORE AND SYNTAX TRIAL STUDIES II

SUNDAY, SEPTEMBER 23, 2018
2:45 PM - 3:45 PM
Moderated Posters 2, Exhibit Hall, Ground Level

2:45 PM - 3:45 PM
SYNTAX Score and SYNTAX Trial Studies II
Moderators: David R. Holmes Jr., Corrado Tamburino
Discussants: Patrick J. Golesti, Talib Majwal, Sheila Sahni

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

TCT 674: Impact of Coronary Calcification on the Agreement Between Coronary CTA and Conventional Angiography in the Syntax Score Treatment Decision
Lecturers: Saima Mushtaq

TCT 675: Site vs Core Laboratory SYNTAX Score Variability
Lecturers: Carlos Collet

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

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: Bernard R. Chevalier, Junbo Ge
Discussants: 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 Navia, Hendrik Treede
Discussants: Daniel J. Blackman, Thomas Modine, Wojtek Wojakowski, S C Wong, Yuejin Yang

2:45 PM  TCT 686: Mixed Aortic Valve Disease: Impact on Outcome After Transcatheter Aortic Valve Implantation
Lecturers: Konstantinos Stathogiannis, MD

2:52 PM  Discussion

2:57 PM  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 Wöhrle

3:04 PM  Discussion

3:09 PM  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

3:16 PM  Discussion

3:21 PM  TCT 689: Comparison of Transcatheter Aortic Valves Stent and Leaflet Stresses of SAPIEN vs Corevalve
Lecturers: Yue Xuan, MD

3:28 PM  Discussion

MODERATED POSTER SESSION: USE OF EXTRACORPOREAL MEMBRANE OXYGENATION (ECMO)

SUNDAY, SEPTEMBER 23, 2018
2:45 PM - 3:45 PM
Moderated Posters 7, Exhibit Hall, Ground Level

2:45 PM - 3:45 PM  Use of Extracorporeal Membrane Oxygenation (ECMO)
Moderators: A. Reshad Garan, Michael Mooney
Discussants: Vladimir Ganyukov, Navin K. Kapur, Srihari S. Naidu, Nir Uriel

2:45 PM  TCT 695: Comparing Veno Arterial Extracorporeal Membrane Oxygenation ECMO and Impella in Cardiogenic Shock Patients
Lecturers: Thong Nguyen, MD
2:52 PM Discussion
2:57 PM TCT 696: Real World Experience With Extracorporeal Cardiopulmonary Resuscitation ECPR
Lecturers: Lucas Marinacci, MD
3:04 PM Discussion
3:09 PM TCT 697: Left Ventricular Decompression During Extracorporeal Membrane Oxygenation for Cardiogenic Shock A Systematic Review and Meta Analysis
Lecturers: Juan Russo, MD
3:16 PM Discussion
3:21 PM TCT 698: VA ECMO for the Treatment of Cardiogenic Shock in Primary PCI for STEMI A Multi Centre Perspective
Lecturers: Floris Van Den Brink, MD
3:28 PM Discussion
3:33 PM TCT 699: Outcomes of Venoarterial Extracorporeal Membrane Oxygenation VA ECMO Support for Cardiogenic Shock in A Large Tertiary Care Advanced Heart Failure and Transplant Referral Center From 2013 2017
Lecturers: Colin Hirst, MD
3:40 PM Discussion

MODERATED POSTER SESSION: BEST OF MODERATED PCI POSTER ABSTRACTS II

SUNDAY, SEPTEMBER 23, 2018
3:45 PM - 4:45 PM
Moderated Posters 2, Exhibit Hall, Ground Level

3:45 PM - 4:45 PM
Best of Moderated PCI Poster Abstracts II
Moderators: Kenneth Chin, Holger M. Nef
Discussants: Mohammad Al-Mutairi, Marta Bande, Ashok Dutta, Hadley Wilson, Bernhard Witzenbichler

3:45 PM TCT 705: Current Treatment Strategies for In Stent Restenosis in the Era of Drug Eluting Stents A Meta Analysis
Lecturers: Kleanthis Theodoropoulos, MD
3:52 PM Discussion
3:57 PM TCT 707: A Prospective Randomized Multicenter Study to Assess the Safety and Effectiveness of the Osirio Sirolimus Eluting Stent in the Treatment of Subjects With Up to Two De Novo Coronary Artery Lesions BIOFLOW IV 3 Year Clinical Results
Lecturers: Ton Slagboom, MD
4:04 PM Discussion
4:09 PM 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
4:16 PM Discussion
4:21 PM TCT 709: Clinical Importance of intra Procedural Thrombotic Events A VALIDATE SWEDHEART Substudy
Lecturers: Sofia Karlsson, MD
4:28 PM Discussion
4:33 PM TCT 706: Cardiovascular and Non Cardiovascular Death After PCI Insights From 32882 Patients Enrolled in 21 Randomized Trials
Lecturers: Sorin J. Brener
4:40 PM 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: John A. Ambrose, Dharam J. Kumbhani
Discussants: Kelley R Branch, Huay Cheem Tan, James E. Udelson

3:45 PM 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

3:52 PM Discussion

3:57 PM 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

4:04 PM Discussion

4:09 PM 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

4:16 PM Discussion

4:21 PM 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: Johan Kim, MD

4:28 PM 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: Norman E. Lepor, Evan A. Stein
Discussants: Tiziana Claudia Aranzulla, Wolfgang Bocksch, Frederick Feit

3:45 PM TCT 710: Effects of Borassus Aetiopium Bread on Metabolic Risk Parameters of Ghanaian Cardiovascular Disease Outpatients A Pilot Intervention Study
Lecturers: Odeafo Asamoah-Boakye, MD

3:52 PM Discussion

3:57 PM TCT 711: Achieving Target LDL Following Percutaneous Coronary Revascularization Contemporary Results in A Nationalized Health Care System
Lecturers: Trevor Simard, MD

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: Maurizio Menichelli, David G. Rizik
Discussants: Salvatore Brugaletta, Demetrius Lopes, Kyung Woo (KW) Park

3:45 PM TCT 734: Comparison of Thromboresistance Between Everolimus Eluting Fluoropolymer Stent and EluNIR Ridaforolimus Eluting Coronary StentRidaforolimus Eluting Stent in An Ex Vivo Swine Shunt Model
Lecturers: Hiroyuki Iinouchi, 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: 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: 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: Martin 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, Zaza Kavteladze  
Discussants: Mazen Abu-Fadel, Itshac Itsik Ben-dor, Christopher Pyne, Eufracino 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: Comparision 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
Room 28D-E, Upper Level

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, Vivek Rajagopal

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
Lecturers: Vivek Rajagopal

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, Level One

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, Giuseppe De Luca, C. Michael Gibson, Ajay J. Kirtane, Mitchell W. Krucoff, Martin B. Leon, Gregg W. Stone, Marco Valgimigli, MD, Robert W. Yeh

6:30 PM Welcome and Introductions
Lecturers: Philip M. Urban

6:32 PM Case Presentation A Patient at High Bleeding Risk and CAD Real Management Dilemmas
Case Presenter: Bimmer E. Claessen

6:37 PM Bleeding Risk Scores: Which One Identifies the Risk Best
Case Presenter: Dominick J. Angiolillo

6:42 PM Balancing the Risk of Bleeding v. Ischemia: The TRADEOFF Score
Case Presenter: Philip M. Urban

6:47 PM Leaders Programs
Lecturers: Mitchell W. Krucoff

6:52 PM Onyx Short DAPT Programs
Lecturers: Gregg W. Stone

6:57 PM Xience Short DAPT Programs
Lecturers: Marco Valgimigli, MD

7:02 PM EVOLVE Short DAPT Programs
Lecturers: Ajay J. Kirtane

7:07 PM COBRA REDUCE
Lecturers: Robert A. Byrne

7:12 PM COMBO REDUCE
Lecturers: Giuseppe De Luca

7:17 PM Panel Discussion

7:26 PM Drop ASA
Lecturers: C. Michael Gibson

7:31 PM Reduce Duration
Lecturers: Robert W. Yeh

7:36 PM Switch Therapies
Lecturers: Dominick J. Angiolillo

7:41 PM Use NOACs
Lecturers: C. Michael Gibson

7:46 PM Defining the High Bleeding Risk Patient The ARC HBR
Lecturers: Mitchell W. Krucoff

7:51 PM Panel

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, Level One

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, Anthony H. Gershlick, Steven L. Goldberg, David E. Kandzari, Ajay J. Kirtane, Laura Mauri, Hiren Mistry, 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: Debbie McCull

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: Kenneth J. Cavanaugh Jr

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
3:25 PM  Pivotal Transcatheter FMR Device Trials: COAPT MITRA.fr 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, Josep Rodés-Cabau
   Discussants: Vinayak Bapat, Rick Geoffrion, Stephen H. Little, Brij Maini, Christopher U. Meduri, Stanton J. Rowe, Maurizio Taramasso, Yan Topilsky, 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
   Discussants: Bernardo Cortese, Donald Cutlip, Alok V. Finn, Alexandra J. Lansky, P.F. Adrian Magee, Jeff Mirviss, Semih Oktay, Sahil A. Parikh, Bruno Scheller, Robert S. Schwartz, Eleni Whatley

   5:13 PM  DCB for BTK: Clinical Challenges and Lessons Learned
   Lecturers: Sahil A. Parikh

   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 Janos, 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 Implanation with Sapien 3 Prosthes 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

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
BREAKFAST PROGRAM: CBCEC INITIATIVE (SPONSORED BY CBCEC)

MONDAY, SEPTEMBER 24, 2018
6:30 AM - 8:00 AM
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: CORONARY DRUG COATED BALLOONS: EMERGING CLINICAL USES AND FUTURE DIRECTIONS (SPONSORED BY CRF, SUPPORTED BY B. BRAUN INTERVENTIONAL SYSTEMS, INC.)

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

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

7:00 AM - 8:00 AM
Coronary Drug Coated Balloons: Emerging Clinical Uses and Future Directions
Co Chairs: Juan F. Granada, Bruno Scheller
Faculty: Fernando Alfonso, Antonio Colombo, Bernardo Cortese, Raban Jeger, MD

7:00 AM
DCB for Treatment of Coronary ISR: Review of Literature in Comparison With DES
Lecturers: Fernando Alfonso

7:08 AM
DCB Only Application in SVD: Insight From the BASKET SMALL 2 Trial
Lecturers: Raban Jeger, MD

7:16 AM
DCB Only Application in High Bleeding Risk DEBUT and ACS PEPCAD NSTEMI
Lecturers: Bruno Scheller

7:24 AM
Moderated Discussion

7:32 AM
DCB Coronary in the US: Challenges and Opportunities

7:40 AM
Innovations in Local Drug and Dedicated Delivery Technologies
Lecturers: Juan F. Granada

7:48 AM
Moderated Discussion

8:00 AM
Adjourn
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 238-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 Moderated Discussion

8:00 AM Adjourn

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
Lecturers: Horst Sievert
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
Lecturers: Samir R. Kapadia
7:55 AM Summary of FMR Trials
Lecturers: Steven L. Goldberg

BREAKFAST PROGRAM: UNDERSTANDING THE CROWDED LANDSCAPE OF PERCUTANEOUS MITRAL INTERVENTIONS (SPONSORED BY CRF, SUPPORTED BY ABBOTT)

MONDAY, SEPTEMBER 24, 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
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 - 1:05 PM
Main Arena, Hall F, Ground Level

8:00 AM - 9:30 AM
Live Cases #5
Live Case Moderators: Martin B. Leon
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 - 10:00 AM  Rapid Fire Case Controversies: Endovascular
Moderators: Sahil A. Parikh, Christopher J. White
Discussants: Herbert D. Aronow, Brian G. DeRubertis, Osamu Iida, D. Christopher Metzger, Virendra I Patel, Mahmood K. Razavi, Peter A. Soukas

9:30 AM  The Other Type Of Aortic Stenosis: Complex Aortoiliac Occlusive Disease
   Case Presenter: Ehrin J. Armstrong

9:40 AM  Long Calcified SFA Chronic Occlusion
   Case Presenter: Lawrence A. Garcia

9:50 AM  Complex Multilevel Critical Limb Ischemia
   Case Presenter: Carlos I. Mena-Hurtado

10:00 AM - 10:15 AM  TCT 2018 Linnemeier Young Investigator Award
Award Presenters: Gregg W. Stone
Discussants: Lorenzo Azzalini, Salvatore Brugaletta, Philipp Lurz, Luis Nombela-Francisco

10:00 AM  TCT 2018 Linnemeier Young Investigator Award
   Lecturers: Gregg W. Stone

10:15 AM - 10:20 AM  TCT 2018 Shark Tank Winner
Award Presenters: Juan F. Granada, Robert S. Schwartz

10:15 AM  Shark Tank Winner Presentation
   Lecturers: Juan F. Granada

10:20 AM - 11:20 AM  Late-Breaking Trials 4
Moderators: Gregg W. Stone
Co Moderator: C. Michael Gibson
Discussants: Takashi Akasaka, John A. Ambrose, Deepak L. Bhatt, David Erlinge, John McB. Hodgson, Ryan D. Madder, Gary S. Mintz, James E. Muller, Freek W.A. Verheugt

10:20 AM  ULTIMATE: A Randomized Trial of Intravascular Ultrasound Guidance of Coronary Drug Eluting Stent Implantation in an All Comers Patient Population
   Lecturers: Junjie Zhang

10:32 AM  Roundtable Discussion

10:40 AM  LRP: Assessment of Coronary Near Infrared Spectroscopy Imaging to Detect Vulnerable Plaques and Vulnerable Patients
   Lecturers: Ron Woksman

10:52 AM  Roundtable Discussion

11:00 AM  OAC ALONE: A Randomized Trial of Oral Antiocoagulation With vs Without Single Antiplatelet Therapy in Patients With Atrial Fibrillation Beyond One Year After Coronary Stent Implantation
   Lecturers: Yukiko Nakano

11:12 AM  Roundtable Discussion

11:20 AM - 12:05 PM  Live Cases #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, David W.M. Muller, Michael J. Reardon, Robert J. Siegel, Horst Sievert, Paul Sorajja, Mathew Williams
Factoid Faculty: Christine J. Chung, Amirali Masoumi, Megha Prasad, Sabato Sorrentino, Eisuke Usui

11:20 AM  NYPHColumbia University Medical Center New York NY
   Live Case Operators: Michael Collins, Rebecca T. Hahn, Dimitri Karmpaliotis, Susheel K. Kodali, Nicholas J. Lembo, Manish A. Parikh

12:05 PM - 1:05 PM
12:05 PM  FAST FFR: Accuracy of Fractional Flow Reserve Derived From Coronary Angiography
Lecturers: William F. Fearon

12:15 PM  Roundtable Discussion

12:20 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

12:30 PM  Roundtable Discussion

12:35 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

12:45 PM  Roundtable Discussion

12:50 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

1:00 PM  Roundtable Discussion

KEYNOTE INTERVENTIONAL STUDIES VII: STRUCTURAL HEART INTERVENTIONS II

MONDAY, SEPTEMBER 24, 2018
8:00 AM - 9:00 AM
Ballroom 6A, Upper Level

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: Wiekeke Vlastra

8:55 AM  Discussion

KEYNOTE INTERVENTIONAL STUDIES VIII: PHARMACOTHERAPY TRIALS AND HIGH BLEEDING RISK PATIENTS

MONDAY, SEPTEMBER 24, 2018
9:00 AM - 10:15 AM
Ballroom 6A, Upper Level

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

9:00 AM  LOCAL LEADERS: A Randomized Trial of Ticagrelor Monotherapy After PCI: Patient Oriented Clinical Outcomes and Net Adverse Cardiovascular Events
Lecturers: Patrick W. Serruys
### 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  
**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**  
Lecturers: A.J.J. IJsselmuiden

1:25 PM  
**Discussion**

1:30 PM  
**TAKOTSUBO SWEDEHEART: 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, Michael Mooney

8:00 AM  
**Physiology Case Vignette 1: Pulling the FFRCT 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  
**FFRCT: From PLATFORM to PRECISE**  
Lecturers: Pamela S. Douglas

8:21 AM  
**FFRCT: Interactive Virtual Stenting and DECISION**  
Lecturers: Gregg W. Stone

8:29 AM  
**FFRCT in Everyday Practice TODAY: A How to Guide**
Lecturers: Michael Mooney

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 Engstrøm, Ole Fröbert, Habib Samady, 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 Engstrøm

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
Discussants: Michalis Hamilos, 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

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
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, Ungi Imre, Arun Kalyanasundaram, Arasi Maran, Mitul Patel, Julia Seeger, 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
Lecturers: Masahisa Yamane

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 C Wong, Luiz F Ybarra

10:30 AM  Wire Crosses Proximal Cap but the Proximal or Distal Cap is Uncrossable or Undilatable: What Now

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
Lecturers: Ashish Pershad

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
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
Discussants: Anita Asgar, Steven F. Bolling, Ted Feldman, Alexander Lauten, Raj Makkar, Allan Schwartz, Ralph Stephan von Bardeleben

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: Jonathon A. Leipsic

8:21 AM
Adverse Outcomes in Early Feasibility TMVR Studies: Is it the Patient the Device or the Implant Technique
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

8:57 AM - 10:34 AM
Session II. Early TMVR Feasibility and Pivotal Trials
Moderators: Michael J. Mack, David W.M. Muller
Discussants: Gregory P. Fontana, Raj Makkar, Bernard Prendergast, Jason H. Rogers, Paul Sorajja, Rashmi Yadav

8:57 AM
Intrepid: Device Attributes Implant Procedure Clinical Results and APOLLO Design and Status
Lecturers: Michael J. Reardon

9:07 AM
Tendyne: Device Attributes Implant Procedure Clinical Results and SUMMIT Design and Status
Lecturers: Gorav Ailawadi

9:17 AM
Tiara: Device Attributes Implant Procedure and Clinical Results
Lecturers: Shmuel Banai

9:25 AM
HighLife: Device Attributes Implant Procedure and Clinical Results
Lecturers: Ruediger S. Lange

9:33 AM
Cephea: Device Attributes Implant Procedure and First in Human
Lecturers: Juan F. Granada

9:41 AM
CardiAQ: Device Attributes Implant Procedure and Early Results
Lecturers: Molly Szerlip

9:49 AM
Sapien M3: Device Attributes Implant Procedure and Early Results
Lecturers: Raj Makkar

9:57 AM
Caisson: Device Attributes Implant Procedure and Early Results
Lecturers: Mathew Williams

10:05 AM
CardioValve: Device Attributes Implant Procedure and Early Results
Lecturers: Francesco Maisano

10:12 AM
ALTA Valve: Device Attributes Implant Procedure and First in Human
Lecturers: Philippe Genereux

10:19 AM
Roundtable Discussion With Audience QA

10:34 AM - 11:27 AM
Session III. Complications of TMVR: What Can Go Wrong?
Moderators: James B. Hermiller Jr, Wilson Y. Szeto
Discussants: Khalil Fattouch, Sameer Gafoor, Adam B. Greenbaum, Roger J. Laham, Ruediger S. Lange, Jean-Francois Obadia

10:34 AM  The Panorama of Expected and Unexpected Complications of TMVR  
Lecturers: Paul Sorojja

10:44 AM  Case Presentation: Paravalvular Leak With Hemolysis  
Case Presenter: Roger J. Laham

10:52 AM  Case Presentation: Deterioration of LV Systolic Function Worsened Heart Failure Despite Successful TMVR  
Case Presenter: Alfredo Trento

11:00 AM  Case Presentation: Left Ventricular Outflow Tract Obstruction  
Case Presenter: Jaffar M Khan

11:08 AM  The LAMPOON Procedure: Description and Clinical Outcomes  
Lecturers: Robert J. Lederman

11:15 AM  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, Jan Kovac, Thomas Modine, Maurizio Taramasso, Hendrik Treede, Alfredo Trento

11:27 AM  Moving From Transapical to Transseptal Implantation: What Are the Technical and Anatomic Challenges and Will We Get There  
Lecturers: Jason H. Rogers

11:34 AM  Addressing the Hurdles: Emerging Devices and Novel Valve Designs  
Lecturers: Vinod H. Thourani

11:42 AM  Approaches to Severe Mitral Annular Calcification: Transcatheter Repair or Replacement  
Lecturers: Mayra Guerrero

11:52 AM  Update on Valve in Valve and Valve in Ring Outcomes  
Lecturers: Danny Dvir

12:02 PM  Roundtable Discussion and Wrap Up

DIDACTIC SESSION: VASCULAR ACCESS AND INTERVENTION: RADIAL ACCESS AND BEYOND

MONDAY, SEPTEMBER 24, 2018  
8:00 AM - 12:00 PM  
Room 6D, Upper Level

8:00 AM - 9:00 AM  
Session I. Step by Step Fundamentals  
Radial and Ulnar Approach  
Moderators: Olivier F. Bertrand, Sunil V. Rao  
Discussants: Mirvat Alasnag, Jay Bagai, Binita Shah, Adhir Shroff, Jennifer A. Tremmel, Mladen I. Vidovich

8:00 AM  Radial Access Techniques Including LDTRA and Emerging Large Bore  
Lecturers: Rajiv Gulati

8:12 AM  Distal Radial vs Transradial Access Success and Complications: The D.A.T.A. Study  
Lecturers: Sanjay Kumar Chugh

8:20 AM  Strategies to Traverse the Arm and Chest Vessels  
Lecturers: Robert J. Applegate

8:28 AM  Radial Access and CHIP: Are They Compatible  
Lecturers: Prashant Kaul

8:36 AM  Special Populations for Radial Access: Post mastectomy ESRD and Shock  
Lecturers: Ian C. Gilchrist

8:44 AM  Ulnar Access: Why When and How  
Lecturers: Sunil V. Rao

8:52 AM  Roundtable Discussion With Audience QA

9:00 AM - 10:00 AM  
Session II. Femoral and Alternative Access  
Moderators: James M. McCabe, Toby Rogers  
Discussants: Robert J. Applegate, Adam B. Greenbaum, Cindy L. Grines, Zachary Steinberg, Jennifer A. Tremmel, Zoltan G. Turi

9:00 AM  Primer on Ultrasound Guided Arterial Access Radial LDTRA Femoral and Pedal: A Primer  
Lecturers: Kathleen E. Kearney
9:10 AM  Large Bore Femoral Access and Pre Closure  
Lecturers: Curtiss T. Stinis

9:20 AM  Primer on Transcaval Access  
Lecturers: Jaffar M Khan

9:30 AM  Primer on Percutaneous Axillary  
Lecturers: Rajiv Tayal

9:40 AM  Addressing the Achilles Heel of Each Alternative Access Method  
Lecturers: James M. McCabe

9:50 AM  Roundtable Discussion With Audience QA

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. Meraj, Christopher Pyne, Sunil V. Rao, Jeffrey M. Schussler

10:00 AM  Radial Hemostasis and Preserving Radial Patency  
Lecturers: Samir B. Pancholy

10:10 AM  Current Generation Closure Devices How Do They Work Are There Any Data to Compare Them  
Lecturers: Zoltan G. Turi

Lecturers: Robert W. Yeh

10:30 AM  Update on Next Generation Closure Devices  
Lecturers: Itschak Itsik Ben-dor

10:40 AM  Do Femoral Skills Suffer at High Volume Radial Centers  
Lecturers: Pinak B. Shah

10:50 AM  Roundtable Discussion With Audience QA

11:00 AM - 12:00 PM
Session IV. Access Site Complications: Tips and Tricks  
Moderators: Fernanda Nunez, Binita Shah  
Discussants: Keith B. Allen, Usman Baber, Yuji Ikari, Duane S. Pinto, Sheila Sahni, Yader Sandoval

11:00 AM  Femoral Access Nightmares: Dealing With Complications  
Lecturers: Itschak 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 Alasnag

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. Sabotka  
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 U.S. Hypertension Guidelines and Treatment Targets Meaningfully Changed Care Pathways and Practice  
Lecturers: Paul A. Sabotka
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

2:38 PM Roundtable Discussion With Audience QA

2:50 PM - 3:30 PM Session II. Management of Hypertension: Treatment Options
Moderators: Mark C. Bates, Bernard J. Gersh
Discussants: Herbert D. Aronow, Joost Daemen, 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

3:30 PM - 5:20 PM Session III. Renal Denervation in 2018: What Have We Learned?
Moderators: Thomas F. Luscher, Felix Mahfoud
Discussants: Ivo Petrov, Krishna J. Rocha-Singh, Robert L. Wilensky, Adam Witkowski, Wojtek Wojakowski

3:30 PM Results and Update From the SPYRAL Hypertension Program OFF MED and ON MED Trials
Lecturers: David E. Kandzari

3:41 PM Results and Update From the Paradise Hypertension Program OFF MED and ON MED Studies
Lecturers: Ajay J. Kirtane

3:52 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: Chandon 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. Bertag, 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. Rocha-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
Lecturers: Kishore J. Harjai
Discussants: Stefan C. Bertog, Patrick A. Calvert, Ted Feldman, Sameer Gafoor, Habib Gamra, Petr Neuzil

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
Lecturers: Freek W.A. Verheugt

2:18 PM
Debate: Is LAA Closure a Valid Alternative for Patients with No or Mild Contraindications to Anticoagulants
Yes 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
Discussants: Steven R. Bailey, Maurice Buchbinder, Ulf Landmesser, Randall J. Lee, Matthew J. Price, Michael J. Rinaldi

3:20 PM
The LAAD Registry: Overview Data Adjudication and Emerging Insights
Lecturers: Paul D. Varosy

3:30 PM
Real World Watchman Experience: Safety and Outcomes From The LAAD 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: Reda Ibrahim

5:06 PM
SeaLA: Differentiating Features Technique and Outcomes
Epicardial LAA closure: From Surgical Results to Transpericardial Applications
Lecturers: Krzysztof Bartus

The Big Picture: Choosing the Right Device for the Right Anatomy
Lecturers: Horst Sievert

LAA Closure: Challenging Case Vignettes
Case Presenter: Reda Ibrahim

Roundtable Discussion with Audience QA

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DIDACTIC SESSION: STEMI, CARDIAC ARREST, AND CARDIOGENIC SHOCK

MONDAY, SEPTEMBER 24, 2018
2:00 PM - 6:08 PM
Room 1, Upper Level

2:00 PM - 2:57 PM
Session I. Coronary Flow: No Reflow and Infarct Size In STEMI
Moderators: Morton J. Kern, Graham Nichol
Discussants: Sorin J. Brener, Rajiv Gulati, Neal S. Kleiman, Dharam J. Kumbhani, Amir Lerman, 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: Kalpa 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

2:38 PM Mechanisms and Treatment Options for MINOCA
Lecturers: Francesco Pelliccia

2:45 PM Roundtable Discussion with Audience QA

2:57 PM - 3:49 PM
Session II. Multivessel PCI in STEMI
Moderators: Anthony H. Gershlick, Pieter C. Smits

2:57 PM Rationale and Data for Multivessel PCI in STEMI
Lecturers: Pieter C. Smits

3:04 PM Management of Non Culprit CTO in STEMI
Lecturers: Emmanouil S. Brilakis

3:11 PM The Role of FFR IFR iMR in Assessing Non Culprit Lesions and Vessels in STEMI
Lecturers: Joo Myung Lee

3:18 PM Flash Debate 1: Based on What We Know Routine Multivessel Revascularization Acute or Delayed Is the Preferred Strategy
Lecturers: Thomas Engstrøm

3:24 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

3:30 PM Case Presentation 2: A High Risk Complex Patient With STEMI and Multivessel Disease
Lecturers: Marwan F. Jumean

3:37 PM Roundtable Discussion with Audience QA

3:49 PM - 5:22 PM
Session III. Cardiogenic Shock
Moderators: Vladimir Dzavik, Richard Smalling
Discussants: Ramesh K. Adiraju, Nicola Corvaja, Vasim Farooq, Sanjog Kalra, Simon Redwood, Barry D. Rutherford

Lecturers: Navin K. Kapur

3:57 PM Hemodynamic Support: Which Device for Which Patient and Why
Lecturers: Daniel Burkhoff

4:05 PM Using Hemodynamics to Guide Decision Making in Cardiogenic Shock
Lecturers: Salvatore F Mannino

4:13 PM Door to Support: The New Metric for Success With Cardiogenic Shock
Lecturers: William W. O'Neill

4:21 PM Hub and Spoke Strategies for Cardiogenic Shock: What are the Essential Elements
Lecturers: Holger Thiele

Lecturers: Michael Mooney

Lecturers: Perwaiz M. Meraj

4:43 PM Post Cath Lab Management of Shock: Whats the Role of the Interventionalist
Lecturers: Michael J. Lim

4:51 PM Case Presentation 3: STEMI With Cardiogenic Shock and No Simple Options for MCS
Case Presenter: Biswajit Kar

4:59 PM Essential Elements for a Contemporary Shock Trial
Lecturers: James E. Udelson

5:07 PM Roundtable Discussion with Audience QA

5:22 PM - 6:08 PM Session IV. Cardiac Arrest
Moderators: Navin K. Kapur
Discussants: David A Baran, Jason Neil Katz, Michel R. Le May, Robert T. Pyo, Ivan C. Rokos, Christian M. Spaulding

5:22 PM To Cath or Not to Cath in OHCA: Data and Decision Making Criteria
Lecturers: Christian M. Spaulding

5:29 PM Hemodynamic Support and Hypothermia Strategies for Cardiac Arrest
Lecturers: Michael Mooney

5:37 PM Flash Debate 3: VA ECMO Is Best Implemented by the Interventionalist
Lecturers: Sandeep Nathan

5:43 PM Flash Debate 3: VA ECMO Is Best Implemented by the Cardiac Surgeon
Lecturers: Hiroo Takayama

5:49 PM Case Presentation 4: OHCA With Uncertain Neurologic Status
Case Presenter: Tanveer Rab

5:56 PM 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

2:00 PM - 2:30 PM 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, William Nicholson

2:00 PM Complication Lessons From the PROGRESS CTO Registry
Lecturers: Iosif Xenogiannis

2:10 PM Roundtable Discussion With Audience QA

2:15 PM Complication Lessons From OPEN CTO
Lecturers: Adam C. Salisbury

2:25 PM Roundtable Discussion With Audience QA

2:30 PM - 4:00 PM Session II. Complication Management
Moderators: Jaikirshan Khatri, Georgios Sianos
Discussants: Wissam Jaber, Vincent On-Hing Kwok, Sudhir Rathore, Satoru Sumitsuji, Ling Tao, Minh N. Vo

2:30 PM Managing Perforations I: Antegrade Wire or Device Exit  How to Recognize and Options for Management
Lecturers: Khaldoon Alaswad
2:40 PM Roundtable Discussion With Audience QA

2:45 PM Managing Perforations II: Perforation of the Target Vessel How to Avoid and Manage
Lecturers: Farouc A Jaffer

2:55 PM Roundtable Discussion With Audience QA

3:00 PM Managing Perforations III: Retrograde Collateral Ruptures How to Avoid and Manage
Lecturers: Sanjog Kalra

3:10 PM Roundtable Discussion With Audience QA

3:15 PM Managing Perforations IV: Septal and Free Wall Adventures How to Recognize Avoid and Manage
Lecturers: Scott Harding

3:25 PM Roundtable Discussion With Audience QA

3:30 PM Managing Perforations V: The Post CABG Patient
Lecturers: Robert F. Riley

3:40 PM Roundtable Discussion With Audience QA

3:45 PM Donor Vessel Dissection and/or Thrombosis: How to Recognize Avoid and Manage
Lecturers: Darshan Doshi

3:55 PM Roundtable Discussion With Audience QA

4:00 PM - 5:00 PM Session III. Case-Based Complication Management: Learning From Others
Moderators: Paul Knaapen, Yuejin Yang
Discussants: Kevin J. Croce, Margaret B. McEntegart, Lampros K. Michalis, Gennaro Sardella, Hadley Wilson

4:00 PM My Worst 2 Complications and What I Learned
Case Presenter: Kathleen E. Kearney

4:15 PM Roundtable Discussion With Audience QA

4:20 PM My Worst 2 Complications and What I Learned
Case Presenter: Andrea Gagnor

4:35 PM Roundtable Discussion With Audience QA

4:40 PM My Worst 2 Complications and What I Learned
Case Presenter: Gerald S. Werner

4:55 PM Roundtable Discussion With Audience QA

5:00 PM - 6:00 PM Session IV. More Case-Based Complications
Moderators: M. Nicholas Burke, Mauro Carlino
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 Couldnt 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 28D-E, Upper Level

12:15 PM - 1:45 PM Complications of Endovascular Interventions
Moderators: Sahil A. Parikh, Virendra I Patel
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: D. Christopher Metzger

12:35 PM  Case 3: Acute Occlusion and Dissection

12:45 PM  Case 4: Worst Endoleak Ever  
Case Presenter: Virendra I Patel

12:55 PM  Case 5: Carotid Stent Thrombosis  
Case Presenter: Herbert D. Aronow

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

12:15 PM  Chronic IVC Filter Occlusion: Aggressive Retrieval Techniques vs Recanalization With Case Reviews  
Lecturers: Brian G. DeRubertis

12:25 PM  How I Treat Femoral Vein Occlusions With Case Reviews  
Lecturers: John Moriarty

12:35 PM  Central Venous Stents: When Which Ones And How With Case Reviews  
Lecturers: Mahmood K. Razavi

12:45 PM  Choice and Duration of Antiplatelet and Anticoagulation Therapy After Venous Interventions With Case Reviews  
Lecturers: Anthony J. Comerota

12:55 PM - 1:45 PM
Session II: Superficial Venous Disease, Venous Ablation, Pelvic Venous Disorders
Moderators: Raghu Kolluri, Sanjiv Lakhanpal
Discussants: Teresa L. Carman, Anthony J. Comerota, Robert A. Lookstein, Nick Morrison, Sanjum S Sethi

12:55 PM  Endothermal Venous Ablation: Step By Step Approach and Avoiding Pitfalls With Case Reviews  
Lecturers: Sanjiv Lakhanpal

1:05 PM  Non Thermal Ablation of Superficial Axial Veins With Case Reviews  
Lecturers: Raghu Kolluri

1:15 PM  Management of Pelvic Congestion Syndrome With Case Reviews  
Lecturers: Brian G. DeRubertis

1:25 PM  Duplex Evaluation of Venous Reflux: Simple to Complex Case Examples  
Lecturers: Teresa L. Carman

1:35 PM  Venous Ulcer Management After Venous Ablation With Case Reviews  
Lecturers: Raghu Kolluri

TCT ENDOVASCULAR: PE/VTE THERAPIES

MONDAY, SEPTEMBER 24, 2018
2:00 PM - 4:00 PM
Room 30D-E, Upper Level
2:00 PM - 3:00 PM
**Session I. Acute Pulmonary Embolism**
Moderators: Robert A. Lookstein, Victor F. Tapson
Discussants: John Moriarty, Rahul S. Patel, Mahmood K. Razavi, Kenneth Rosenfield, Mehdi H. Shishehbor, Akhilesh K. Sista

2:00 PM  **Acute Pulmonary Embolism: How Big Is the Problem and How to Start a PERT**  
Lecturers: Teresa L. Carman

2:10 PM  **Data for Lytic Therapy in Massive and Submassive Pulmonary Embolism**  
Lecturers: Akhilesh K. Sista

2:20 PM  **Emerging Catheter Based Techniques to Treat Acute Pulmonary Embolism**  
Lecturers: Robert A. Lookstein

2:30 PM  **When to Employ Advanced Therapies in PE**  
Lecturers: Jay S. Giri

2:40 PM  **Special Topic: What Is the Role of Balloon Pulmonary Angioplasty for Treatment of CTEPH**  
Lecturers: Ehtisham Mahmud

2:50 PM  **Roundtable Discussion With Audience QA**

3:00 PM - 4:00 PM
**Session II. Inferior Vena Cava Filters**
Moderators: Jay S. Giri, Akhilesh K. Sista
Discussants: Riyaz Bashir, Teresa L. Carman, John Moriarty, Rahul S. Patel, Eric A Secemsky

3:00 PM  **Who Should Get an IVC Filter Review of the Guidelines**  
Lecturers: Akhilesh K. Sista

3:10 PM  **Overview of Current and Future IVC Filter Devices**  
Lecturers: Rahul S. Patel

3:20 PM  **Complications of IVC Filters: Spectrum Frequency Treatment and Avoidance Strategies**  
Lecturers: Eric A Secemsky

3:30 PM  **Tips and Tricks for Tough IVC Filter Retrievals**  
Lecturers: John Moriarty

3:40 PM  **Special Topic: What is Happening Nationally and What is the Future of IVC Filters**  
Lecturers: Robert A. Lookstein

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

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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 238-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

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**
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

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

MONDAY, SEPTEMBER 24, 2018
12:15 PM - 2:00 PM
Room 26A-B, Upper Level

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: Takashi Akasaka

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
### COMPLEX INTERVENTIONS: EXPERT CASE REVIEWS - HYPERTROPHIC CARDIOMYOPATHY AND SEPTAL ABLATION

**Monday, September 24, 2018**

**12:15 PM - 1:45 PM**

**Room 33B-C, Upper Level**

<table>
<thead>
<tr>
<th>Time</th>
<th>Case Title</th>
<th>Case Presenter</th>
</tr>
</thead>
</table>
| 12:15 PM | *Hypertrophic Cardiomyopathy and Septal Ablation*                                                   | *Moderators: Sherif F. Nagueh, Hubert Seggewiss*
|         | *Discussants: John S. Douglas Jr, Valerian Fernandes, Vijay Iyer, Srihari S. Naidu, Nish Patel, Alexandre C. Zago* |                                         |
| 12:15 PM | **Introduction:** What Do We Hope to Learn From these Cases                                           | *Lecturer: 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 Cavitary Obstruction                         | *Case Presenter: Alexander Grigorievich Osiev* |
| 1:10 PM  | **Case 6:** A Case of LAD Occlusion During Alcohol Septal Ablation                                    | *Case Presenter: Kolja Sievert*         |
| 1:20 PM  | **Case 7:** Septal Branch Collateralization Noted During the Course of Alcohol Septal Ablation        | *Case Presenter: Antoine Lafont*        |
| 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**

<table>
<thead>
<tr>
<th>Time</th>
<th>Case Title</th>
<th>Case Presenter</th>
</tr>
</thead>
</table>
| 12:15 PM | *Intravascular Imaging IVUS, OCT and NIRS*                                                           | *Moderators: David Erlinge, Gary S. Mintz*
|         | *Discussants: Martin W. Bergmann, Marc D. Feldman, Margaret B. McIntegart, 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 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*    |
Case 5: A Case in Which I Used OCT to Reduce DAPT Duration  
Case Presenter: Wojtek Wojakowski

Case 6: A Case in Which OCT Found the Hidden Culprit Lesion in ACS  
Case Presenter: Rajesh M. Dave

Case 7: A Case of Intravascular Imaging to Diagnose and Guide Treatment of a Spontaneous Coronary Artery Dissection  
Case Presenter: Fernando Alfonso

Case 8: A Case in Which 3D OCT Imaging Changed How I Treated a Bifurcation  
Case Presenter: Takashi Akasaka

Case 9: A Case in Which Intravascular Imaging Demonstrated a Surprising Cause and Guided Treatment of Stent Thrombosis  
Case Presenter: Ioannis Iakovou

Case 10: A Case in Which Intravascular Imaging Demonstrated a Surprising Cause and Guided Treatment of In-Stent Restenosis  
Case Presenter: Hiram G. Bezerra

Case 11: A Case in Which Intravascular Imaging Demonstrated the Cause of Acute Vessel Closure  
Case Presenter: Ashish Shah

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 27A-B, 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: Mitral Valvuloplasty With 3D and ICE Imaging  
Lecturers: Howard C. Herrmann

12:40 PM  Case 3: Inoue Technique Mitral Valvuloplasty Is Not Always Straight Forward  
Lecturers: Alexander Llanos

12:50 PM  Case 4: Mitral Valvuloplasty Complicated by Severe Mitral Regurgitation in a Patient With Rheumatic Mitral Stenosis  
Case Presenter: Christian F. Witzke

1:00 PM  Case 5: Mitral Valvuloplasty in a Patient With Severe Mitral Stenosis From Mitral Annular Calcification  
Case Presenter: Roberto J Cubeddu

1:10 PM  Case 6: Mitral Valve in Valve for a Patient With Severe Mitral Annular Calcification and Stenosis  
Case Presenter: William W. O’Neill

1:20 PM  Case 7: An Unusual Complication of Mitral Valvuloplasty in a Patient With Severe Calcific Mitral Stenosis  
Case Presenter: David R. Holmes Jr.

1:30 PM  Case 8: Mitral Valvuloplasty and TAVR in a Patient With Mitral and Aortic Stenosis  
Case Presenter: Eduardo De Marchena

1:40 PM  Take Home Messages: What Did We Learn From These Cases  
Lecturers: Igor F. Palacios

COMPLEX INTERVENTIONS: EXPERT CASE REVIEWS - PARAVALVULAR LEAK CLOSURE

MONDAY, SEPTEMBER 24, 2018  
12:15 PM - 1:45 PM  
Room 25A-B, Upper Level

12:15 PM - 1:45 PM  
PARAVALVULAR LEAK CLOSURE

Moderators: Anita Asgar, Chet Rihal  
Discussants: Khalid Amber, George S. Hanzel, Massimo Napodano, Manuel Pan, Philippe Pibarot, 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 Complex Mitral Paravalvular Leak  
Lecturers: 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 Paravalvular Leaks: 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

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**COMPLEX INTERVENTIONS: EXPERT CASE REVIEWS - PFO CLOSURE CASE STUDIES**

**MONDAY, SEPTEMBER 24, 2018**

12:15 PM - 1:47 PM  
Room 32A-B, Upper Level

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12:15 PM - 1:05 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

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 Amplatzer PFO 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

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 VTEParadoxic 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 C 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: Lily 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: Lily Li*

- **7:30 AM**  
  *Case 2: A Distal LM LADD1 Bifurcation PCI Case*  
  *Case Presenter: Junjie Zhang*
How would I treat this case
Lecturers: Zening Jin

How would I treat this case
Lecturers: Jingbo Hou

How Would I Treat This Case
Lecturers: Ning Tan

How Would I Treat This Case
Lecturers: Rong-Chong Huang

Roundtable Discussion With Audience QA

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

My Top Learning in CTO
Discussants: Zening Jin, Xiantao Song

9:20 AM My Top Learning in CTO
Case Presenter: Lei Ge

9:30 AM Discussion

9:33 AM My Top Learning in CTO
Case Presenter: Lei Song

9:43 AM Discussion

9:46 AM My Top Learning in CTO
Case Presenter: Yan Li

9:56 AM Discussion

My Top Learning in Imaging
Discussants: Xuebo Liu, Ruqiong Nie

10:00 AM My Top Learning in Imaging
Case Presenter: Jun Pu

10:10 AM Discussion

10:13 AM My Top Learning in Imaging
Case Presenter: Bingchen Liu

10:23 AM Discussion

10:26 AM My Top Learning in Imaging
Case Presenter: Guo Jun

10:36 AM Discussion

10:40 AM Update on Treatments and Techniques of Coronary Calcium
Lecturers: Fei Ye

My Top Learning in CTO
Discussants: Zening Jin, Xiantao Song

9:20 AM My Top Learning in CTO
Case Presenter: Lei Ge

9:30 AM Discussion

9:33 AM My Top Learning in CTO
Case Presenter: Lei Song

9:43 AM Discussion

9:46 AM My Top Learning in CTO
Case Presenter: Yan Li

9:56 AM Discussion

My Top Learning in Imaging
Discussants: Xuebo Liu, Ruqiong Nie

10:00 AM My Top Learning in Imaging
Case Presenter: Jun Pu

10:10 AM Discussion

10:13 AM My Top Learning in Imaging
Case Presenter: Bingchen Liu

10:23 AM Discussion

10:26 AM My Top Learning in Imaging
Case Presenter: Guo Jun

10:36 AM Discussion

10:55 AM Closing
Lecturers: Ben He

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SPECIAL SESSION: SCAI CATH LAB LEADERSHIP BOOTCAMP

MONDAY, SEPTEMBER 24, 2018
1:00 PM - 5:00 PM
Room 30A-C, Upper Level

1:00 PM - 2:00 PM
Bootcamp I: Essential Cath Lab Management Skills
Moderators: Prashant Kaul, Daniel M. Kolansky
Discussants: Robert J. Applegate, Samir R. Kapadia, Duane S. Pinto, Arnold Seto, Bernadette S. Speiser, Hadley Wilson

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
Lecturers: Hadley Wilson

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. Chhatriwalia, Jeptha P. Curtis, Michael A. Kutcher, Duane S. Pinto, Adhir Shroff

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: Sunil V. Rao

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: Jeptha P. Curtis

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

FASCINATING LECTURES III: SOCIAL MEDIA, DIGITAL HEALTH, AND COMMUNICATION SKILLS

MONDAY, SEPTEMBER 24, 2018
2:00 PM - 4:00 PM
Ballroom 6A, Upper Level

2:00 PM - 3:45 PM
Social Media, Digital Health, and Communication Skills
Moderators: C. Michael Gibson, Mamas Mamas
Discussants: Mirvat Alasnag, M Chadi Alraies, Eliano Pio Navarese, Sheila Sahni, Chuck Simonton, William M Suh

2:00 PM  The Dos and Don'ts of Social Media in Practice
   Lecturers: Poonam Velagapudi

2:10 PM  Fascinating QA

2:15 PM  The Interventional Cardiology Tweetorial: Use of Social Media as an Educational Tool for Teaching Interventional Techniques
   Lecturers: Michael P Savage

2:25 PM  Fascinating QA

2:30 PM  Tweetbook Cardiovascular Interventions: A New Online Community for Sharing
   Lecturers: David L Fischman

2:40 PM  Fascinating QA

2:45 PM  Social Media and PCI: From Stable Angina to CTOs
   Lecturers: Asif Qasim

2:55 PM  Fascinating QA

3:00 PM  Rise of the Planet of the Apps: The World of Mobile Applications for Cardiovascular Education
   Lecturers: Annapoorna Kini

3:10 PM  Fascinating QA

3:15 PM  Advances in Digital Health May Help Prevent Cardiovascular Diseases: E Prevention
   Lecturers: Mohammad El Tahlawi

3:25 PM  Fascinating QA

3:30 PM  The Art of Presentation: A Fundamental Skill for Cardiologists in the Contemporary Era
   Lecturers: Abdallah El Sabbagh

3:40 PM  Fascinating QA
SPECIAL SESSION: DISCUSSIONS WITH THE LATE BREAKING TRIAL PRINCIPAL INVESTIGATORS III

MONDAY, SEPTEMBER 24, 2018
4:00 PM - 5:00 PM
Ballroom 6A, Upper Level

4:00 PM - 5:00 PM
Discussions With the Late Breaking Trial Principal Investigators III
Moderators: John A. Bittl, David Erlinge, Takashi Kubo
Discussants: Dániel Aradi, Michael Maeng, Yukiko Nakano, Michael P Savage, Ron Waksman, Bernhard Witzenbichler, Junjie Zhang

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, Exhibit Hall, Ground Level

11:30 AM - 12:30 PM
Cerebral Embolic Protection with Sentinel in TAVR: Shifting the Paradigm Toward Standard of Care
Chairs: Martin B. Leon, Raj Makkar
Faculty: Hemal Gada, Lars Sondergaard, Jochen Wöhrle

11:30 AM
Impact of CEP in Practice: Cath Lab Integration the Real World Outcomes
Lecturers: Raj Makkar

11:40 AM
A Contemporary Review of the Data Supporting the Use of Sentinel in TAVR
Lecturers: Jochen Wöhrle

11:50 AM
Stroke Economics the Role of Sentinel to Grow your TAVR Program
Lecturers: Hemal Gada

12:00 PM
The Role of Cerebral Protection in the Age of Minimalist Approach to TAVR
Lecturers: Lars Sondergaard

12:10 PM
Future Considerations: The Role of Shared Decision Making and Adoption of Cerebral Embolic Protection in Practice
Lecturers: Martin B. Leon

12:20 PM
Panel Discussion
Moderators: Martin B. Leon, Raj Makkar
Discussants: Hemal Gada, Lars Sondergaard

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, Exhibit Hall, Ground Level

11:30 AM - 12:30 PM
My Experience with Balloon Expandable and Self-Expanding Stent Grafts in Treating Aortoiliac Occlusive Disease
Faculty: Ehrin J. Armstrong
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, Hall B2, Ground Level

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, Elliott M. Groves, Rajiv Gulati, Arasi Maran, Arnold Seto

11:30 AM
SCAI 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
SCAI 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: Elliott M. Groves

12:20 PM
Discussion and Key Takeaways
Discussants: J. Dawn Abbott, Elliott M. Groves, Rajiv Gulati, Arasi Maran, Arnold Seto, Adhir Shroff

12:30 PM
Adjourn

PRESENTATION THEATER PROGRAM: THE NEW FRONTIER: CAN WE FINALLY PREDICT AND START TREATING VULNERABLE PLAQUE? (SPONSORED BY INFRAREDX, INC.)

MONDAY, SEPTEMBER 24, 2018
11:30 AM - 12:30 pm
Presentation Theater 5, Exhibit Hall, Ground Level

11:30 AM - 12:30 pm
The New Frontier: Can We Finally Predict and Start Treating Vulnerable Plaque?
Chairs: Ron Waksman
Faculty: David Erlinge, John McB. Hodgson, Ryan D. Madder, Robert L. Wilensky

11:30 AM
Introduction
Lecturers: Ron Waksman

11:35 AM
IVUSNIRS Technology Overview and Early Clinical Trials
Lecturers: Ryan D. Madder

11:43 AM
Current Clinical Uses of IVUSNIRS
Lecturers: John McB. Hodgson

11:51 AM
Ongoing Clinical trials and Future Treatment Strategies for Vulnerable Plaque
Lecturers: David Erlinge

11:59 AM
New Applications of NIRS: Collagen Deficient Cap Detection
Lecturers: Robert L. Wilensky

12:07 PM
LRP Study Results Impact on Your Practice
Lecturers: Ron Waksman

12:15 PM
Panel Discussion and QA

PRESENTATION THEATER PROGRAM: TRANSCATHETER TRICUSPID VALVE INTERVENTIONS (SPONSORED BY CRF, SUPPORTED BY EDWARDS LIFESCIENCES)

MONDAY, SEPTEMBER 24, 2018
11:30 AM - 12:30 PM
Transcatheter Tricuspid Valve Interventions

Chairs: Michael J. Mack
Faculty: William A. Gray, JoAnn Lindenfeld, Chet Rihal, Maurice E. Sarano

11:30 AM  Tricuspid Valve Disease in 2018: What Are the Challenges
Lecturers: Maurice E. Sarano

11:37 AM  Transcatheter Annular Reduction for FTR
Lecturers: William A. Gray

11:44 AM  Other Transcatheter Approaches to TR Reduction
Lecturers: Chet Rihal

11:51 AM  The Surgeon Perspective of TR Treatment: Surgery vs. Transcatheter Therapy

11:58 AM  The Heart Failure Specialist Perspective of TR Management
Lecturers: JoAnn Lindenfeld

12:05 PM  Focused Discussion: Is there enough in the Toolbox Is There an Opportunity for Earlier Intervention with Transcatheter Therapy

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, Exhibit Hall, Ground Level

1:00 PM - 2:00 PM
ABILITY to TRANSFORM: Dedicated DES to treat Diabetic Patients and Sirolimus Coated Balloon for CAD

Chairs: Alexandre Abizaid, Antonio Colombo, Patrick W. Serruys
Faculty: Ori Ben-Yehuda, Bernardo Cortese, Sameer Dani MD, DM, Azeem Latib, Martin B. Leon, Roxana Mehran, Ashok Seth, Luca Testa, MD, PhD

1:00 PM  From Concept to USA IDE Trial Design
Lecturers: Ori Ben-Yehuda

1:08 PM  European Experience and Clinical Programme
Lecturers: Bernardo Cortese

1:16 PM  Why should I use Abluminus for Diabetic Patients
Lecturers: Roxana Mehran

1:24 PM  Special Features and Clinical Experience
Lecturers: Azeem Latib

1:32 PM  Challenging Cases with Imaging
Lecturers: Sameer Dani

1:40 PM  Overall Experience of Abluminus DES in Real World and Dedicate Global Clinical Registry
Lecturers: Luca Testa

PRESENTATION THEATER PROGRAM: COMPLEX PCI IN 2018: ECLIPSE-ING THE STANDARD OF CONVENTIONAL ANGIOPLASTY (SPONSORED BY CRF, SUPPORTED BY CARDIOVASCULAR SYSTEMS, INC.)

MONDAY, SEPTEMBER 24, 2018
1:00 PM - 2:00 PM
Presentation Theater 1, Hall B2, Ground Level

1:00 PM - 2:00 PM
Complex PCI in 2018: ECLIPSE-ing the Standard of Conventional Angioplasty

Co Chairs: Ajay J. Kirtane, Jeffrey W. Moses
Faculty: Ehrin J. Armstrong, Jonathan M. Hill, Jasvindar Singh

1:00 PM  Why We Dont See Type A Lesions Anymore and What We Need to Prepare for this Change
Lecturers: Jeffrey W. Moses

1:10 PM  Do We Underutilize Coronary Atherectomy Rationale and Update on the ECLIPSE Trial
Lecturers: Ajay J. Kirtane

1:20 PM Discussion

1:25 PM Platform Updates: New Tools To Combat the Toughest Lesions
Lecturers: Jasvinder Singh

1:35 PM Tips and Tricks: A Step By Step Practicum for the Treatment of Severely Calcified Lesions
Lecturers: Jonathan M. Hill

1:45 PM Crossing the Uncrossable: Complex Case Review with Tips and Tricks for Success
Lecturers: Ehrin J. Armstrong

1:55 PM Discussion

2:00 PM Adjourn

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, Exhibit Hall, Ground Level

1:00 PM - 2:00 PM
FFRangio for PCI Guidance: A Clinical Review
Chairs: Morton J. Kern, Ron Kornowski
Faculty: William F. Fearon, Peter J. Fitzgerald, Nils Johnson, Hitoshi Matsuo

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: Transcatheter Mitral Valve Interventions (Sponsored by CRF, Supported by Edwards Lifesciences)

MONDAY, SEPTEMBER 24, 2018
1:00 PM - 2:00 PM
Presentation Theater 2, Hall B2, Ground Level

1:00 PM - 2:00 PM
Transcatheter Mitral Valve Interventions
Chairs: Jeffrey J. Popma
Faculty: William T. Abraham, Ted Feldman, Howard C. Herrmann, Mark Reisman, Brian K. Whisenant

1:00 PM Anatomical Considerations for Mitral Valve Repair/Replacement: Insights from the Center for Cardiovascular Innovation
Lecturers: Mark Reisman

1:07 PM Transcatheter Annular Reduction for FMR
Lecturers: Brian K. Whisenant

1:14 PM Different Approaches to Transcatheter Leaflet Repair
Lecturers: Ted Feldman

1:21 PM Advances in Transseptal Transcatheter Mitral Valve Replacement
Lecturers: Howard C. Herrmann

1:28 PM The Heart Failure Perspective
Lecturers: William T. Abraham

1:38 PM Focused Discussion: Is There Enough in the Toolbox
Focused Discussion: Is There an Opportunity For Earlier Intervention with Transcatheter Therapies

1:00 PM - Adjourn

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, Exhibit Hall, Ground Level

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 - GUIDEWIRES 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 Workshops (Sails Pavilion), Upper Level

8:00 AM - 9:30 AM
Interactive Training Faculty: David Daniels, Jack Hall, Amir Kaki, Ethan C Korngold, 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 Support Specialty 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, Jonathan M. Hill, Nils Johnson, Morton J. Kern, David P. Lee, Arnold Seto
8:00 AM  Welcome Remarks
8:05 AM  Coronary physiology toolbox and new options in non hyperemic pressure ratios NHR
8:12 AM  When to use what in coronary physiology
8:19 AM  FFR best practices and common artifacts
8:26 AM  HD IVUS in complex cases

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  Bifurcation Techniques Videos VisibleHeart
Interactive Training Faculty: Francesco Burzotta
8:12 AM  Optimal Approaches to Bifurcations with step by step
Interactive Training Faculty: Kirti Punamiya
8:24 AM  1 vs 2 Stents: Plaque Distribution and Role of Imaging
Interactive Training Faculty: Kefei Dou
8:34 AM  When to Send to Surgery How to Build a Complex LMCA bifurcation 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  Medtronic/Opsens Featured Devices Radial Stent Models Simulator VH Footage to Loop and Onyx
Interactive Training Faculty: Adrian P. Banning, Jens Flensted Lassen, Azeem Latib

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

8:00 AM - 9:25 AM
Deep Vein Intervention : DVT, PE, and IVUS Session I
Interactive Training Faculty: Riyaz Bashir, Teresa L. Carman, Raghu Kolluri, Sanjiv Lakhanpal, Robert A. Lookstein, Rahul S. Patel, Sanjum S Sethi

8:00 AM  Video Introduction: Need for Invasive Treatment of Deep Vein Intervention PE and Venous Compression
8:10 AM  Rotation 1: DVT Featuring Boston Scientific
Interactive Training Faculty: Robert A. Lookstein, Rahul S. Patel
8:35 AM  Rotation 2: PE
Interactive Training Faculty: Riyaz Bashir, Teresa L. Carman, Sanjum S Sethi
9:00 AM  Rotation 3: Venous Compression Featuring Philips
Interactive Training Faculty: Raghu Kolluri, Sanjiv Lakhanpal

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 - 9:30 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: João L Cavalcante, Farouc A Jaffer, Hassan Jilaihawi, Michael C. C. Kim

## 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

8:00 AM - 9:30 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, Sanjeevan Pasupati, Carlos E Sanchez, Mark W.L. 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 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: Hiram G. Bezerra, Jonathan M. Hill, Vamsi Krishsna, Evan Shlofmitz, Gabriel Tensol Rodrigues Pereira, Armando Vergara-Martel

- 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, William L. Lombardi, Robert F. Riley, Daniel H. Steinberg

- 10:00 AM  Welcome Remarks
- 10:05 AM  Didactic Presentation: ROTAPRO Rotational Atherectomy System 25 years of proven clinical safety and efficacy
- 10:35 AM  Hands On Rotations X5 ROTAPRO Wet Heart Models Consoles

## 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**

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Interactive Training Faculty</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:00</td>
<td>Bifurcation Techniques Videos VisibleHeart</td>
<td>Francesco Burzotta</td>
</tr>
<tr>
<td>10:12</td>
<td>Optimal Approaches to Bifurcations with step by step</td>
<td>Emmanouil S. Brilakis</td>
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<td>10:24</td>
<td>1 vs 2 Stents: Plaque Distribution and Role of Imaging</td>
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<td>10:34</td>
<td>When to Send to Surgery How to Build a Complex LMCABifurcation PCI Practice</td>
<td>Raj Makkar</td>
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### 10:45 AM - 11:30 AM

**Hands-on Rotations Between Cordis, Medtronic/Opsens, and Abbott OCT**

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Interactive Training Faculty</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:45</td>
<td>MedtronicOpsens Featured Devices Radial Stent Models Simulator VH Footage to Loop and Onyx</td>
<td>Fausto Feres, Jens Flensted Lassen, Azeem Latib</td>
</tr>
</tbody>
</table>

### 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: Jay S. Giri, Sanjiv Lakhanpal, Gregory Piazza, Sanjum S Sethi, Victor F. Tapson

<table>
<thead>
<tr>
<th>Time</th>
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<th>Interactive Training Faculty</th>
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<tbody>
<tr>
<td>10:00</td>
<td>Video Introduction: Need for Invasive Treatment of Deep Vein Intervention PE and Venous Compression</td>
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<tr>
<td>10:10</td>
<td>Rotation 1: DVT Featuring Boston Scientific</td>
<td>Mehdi H. Shishehbor, Akhilesh K. Sista</td>
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<tr>
<td>10:35</td>
<td>Rotation 2: PE</td>
<td>Jay S. Giri, Gregory Piazza, Victor F. Tapson</td>
</tr>
<tr>
<td>11:00</td>
<td>Rotation 3: Venous Compression Featuring Philips</td>
<td>S. Jay Mathews, Mitchell Weinberg</td>
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### 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)**

<table>
<thead>
<tr>
<th>Time</th>
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<th>Interactive Training Faculty</th>
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</thead>
<tbody>
<tr>
<td>10:00</td>
<td>Extracorporeal Life Support ECLS: Overview</td>
<td>A. Reshad Garan</td>
</tr>
</tbody>
</table>

### 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: João L Cavalcante, Farouc A Jaffer, Hasan Jilaihawi

**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, 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, Sanjeevan Pasupati, Carlos E Sanchez, Mark W.J. Webster, Brian K. Whisenant

- 10:00 AM  Introduction
- 10:05 AM  Tempo Lead Technology Overview
- 10:11 AM  Tempo Lead Clinical Results
- 10:21 AM  The Tempo Leads Role in Reducing TAVR Length of Stay LOS

**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: Bassem Chehab, Paolo Denti, Rodrigo Estevez-Loureiro, George Gellert, James B. Hermiller Jr, Scott Lim, Paul D. Mahoney, Moody M Makar, Ahmed I Mustafa, Michael J. Rinaldi, David G. Rizik, Joshua Rovin, Gagan D Singh

- 12:00 PM  Introduction
- 12:05 PM  Didactic
- 12:25 PM  Hands on Session

**TRAINING: BOSTON SCIENTIFIC PAVILION #13 - ROTA PRO PLAQUE MODIFICATION/VEssel PREP**
12:00 PM - 1:30 PM
Rota Pro Plaque Modification/Vessel Prep
Interactive Training Faculty: Emmanouil S. Brilakis, Tony J. DeMartini, Robert F. Riley, Daniel H. Steinberg

12:00 PM    Welcome Remarks
12:05 PM    Didactic Presentation: ROTAPRO Rotational Atherectomy System 25 years of proven clinical safety and efficacy
12:35 PM    Hands On Rotations X5 ROTAPRO Wet Heart Models Consoles

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

12:00 PM    Introduction
12:05 PM    Anatomy Overview using Various Imaging Modalities for Structural Heart Procedures

TRAINING: ABBOTT PAVILION #14 - SAVE THAT SIDE BRANCH! PRESERVING SIDE BRANCH ACCESS: A HANDS-ON PRACTICAL SKILLS LAB

Monday, September 24, 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    Didactic on First SBA Technique and Hand On Guided Session Technique 1
2:45 PM    Didactic on Second SBA Technique and Hand On Guided Session Technique 2
3:25 PM    Wrap up

TRAINING: BOSTON SCIENTIFIC PAVILION #14 - ROTA PRO PLAQUE MODIFICATION/VEssel Prep

Monday, September 24, 2018
2:00 PM - 3:30 PM
BOSTON SCIENTIFIC PAVILION, Interactive Training Workshops (Sails Pavilion), Upper Level

2:00 PM - 3:30 PM
Rota Pro Plaque Modification/Vessel Prep
Interactive Training Faculty: Tony J. DeMartini, Michael C. C. Kim, James M. McCabe, Daniel H. Steinberg

2:00 PM    Welcome Remarks
2:05 PM    Didactic Presentation: ROTAPRO Rotational Atherectomy System 25 years of proven clinical safety and efficacy
2:35 PM    Hands On Rotations X5 ROTAPRO Wet Heart Models Consoles
TRAINING: CHIP - ADVANCED PCI TECHNIQUES PAVILION #11 - CTO SKILLS 101: HOW TO APPROACH THESE LESIONS

MONDAY, SEPTEMBER 24, 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

2:45 PM - 3:30 PM
Hands-on Rotations Between Abbott CTO, Asahi CTO, and Boston Scientific CTO

2:45 PM
Asahi CTO Devices

TRAINING: ENDOVASCULAR PAVILION #11 - SUPERFICIAL VENOUS DISEASE: DIAGNOSIS AND TREATMENT OPTIONS

MONDAY, SEPTEMBER 24, 2018
2:00 PM - 3:30 pm
ENDOVASCULAR PAVILION, Interactive Training Workshops (Sails Pavilion), Upper Level

2:00 PM - 3:30 PM
Venous Intervention Session III: Superficial Vein Intervention
Interactive Training Faculty: Robert E Foster, Jon C. George, Maja Zaric

2:00 PM
Video Introduction: Superficial Vein Intervention

2:10 PM
Hands on Featuring Devices From Medtronic

TRAINING: HEMODYNAMIC SUPPORT AND PATIENT MANAGEMENT PAVILION #11 - EXTRACORPOREAL LIFE SUPPORT (ECLS)

MONDAY, SEPTEMBER 24, 2018
2:00 PM - 3:30 pm
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
Interactive Training Faculty: Maximilian Halbe

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

2:00 PM - 3:30 pm
CT Analysis for TAVR Procedures: Planning and Interventional Guidance
Interactive Training Faculty: Philipp Blanke, João L Cavalcante, Chad Kligler, Jonathan 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. Krcoff

2:00 PM - 3:30 PM

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

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: 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

4:00 PM - 5:30 PM
PFO Closure: Recent Data, Techniques, and Best Practices for Managing Patients
Interactive Training Faculty: Zahid Amin, Patrick A. Calvert, 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

4:00 PM - 5:30 PM
Rota Pro Plaque Modification/Vessel Prep
Interactive Training Faculty: Khaledon Alaswad, William L. Lombardi, Robert F. Riley, Daniel H. Steinberg

4:00 PM  Welcome Remarks
4:05 PM  Didactic Presentation: ROTAPRO Rotational Atherectomy System 25 years of proven clinical safety and efficacy
4:35 PM  Hands On Rotations XS ROTAPRO Wet Heart Models Consoles
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

4:00 PM - 4:45 PM
Rapid Fire Case Presentations

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

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

4:00 PM - 5:30 PM
Extracorporeal Life Support (ECLS)

4:00 PM
Extracorporeal Life Support ECLS: Overview
Interactive Training Faculty: Francesco Maisano

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: Philipp Blanke, João L Cavalcante, Chad Kliger, Jonathan 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, 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

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, Nabeel Ismaeil

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 Shamiari
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
Hemodynamic Functional Assessment of Coronary Stenosis in Daily Practice
Moderators: Anibal A. Damonte, Jacques Monsegu
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

1:48 PM  
**Pro FFR**
Lecturers: Daniel H. Berrocal

2:01 PM  
**Pro iFR**
Lecturers: Jacques Monsegu

2:14 PM  
**Roundtable Discussion With Audience QA**

2:29 PM  
**Multivessel Disease: Should Invasive Physiology Change My Strategy**
Lecturers: Eric Van Belle

1:48 PM  
**Pro FFR**
Lecturers: Daniel H. Berrocal

2:01 PM  
**Pro iFR**
Lecturers: Jacques Monsegu

2:14 PM  
**Roundtable Discussion With Audience QA**

2:42 PM  
**How to Use Invasive Physiology in Assessing and Treating Left Main Disease**
Lecturers: Leandro I Lasave

1:48 PM  
**Pro FFR**
Lecturers: Daniel H. Berrocal

2:01 PM  
**Pro iFR**
Lecturers: Jacques Monsegu

2:14 PM  
**Roundtable Discussion With Audience QA**

2:55 PM  
**Is There a Role for Invasive Physiology in Acute Coronary Syndromes**
Lecturers: Patrick Dupouy

1:48 PM  
**Pro FFR**
Lecturers: Daniel H. Berrocal

2:01 PM  
**Pro iFR**
Lecturers: Jacques Monsegu

2:14 PM  
**Roundtable Discussion With Audience QA**

3:08 PM  
**Roundtable Discussion With Audience QA**

1:48 PM  
**Pro FFR**
Lecturers: Daniel H. Berrocal

2:01 PM  
**Pro iFR**
Lecturers: Jacques Monsegu

2:14 PM  
**Roundtable Discussion With Audience QA**

3:24 PM  
**Conclusions and Take home Messages**
Lecturers: Jacques Monsegu

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**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

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**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, Zsolt Piroth, 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  
Lecturers: Zsolt Piroth

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, Zsolt Piroth, 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: Ivajla 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: Angus Shing-Fung Chui

4:50 PM  Case Conclusion: How I Treated This Patient  
Case Presenter: Ivo Petrov

4:55 PM  Roundtable Discussion With Audience QA

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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 - 5:00 PM  
Complications Management: Challenging Saves and Misses That Teach Us How to Be Better  
Moderators: Sreenivas Kumar Arramraju, Sreenivas Arramraju Kumar, Sahil A. Parikh  
Discussants: Manoj Kumar Agarwala, Subhash Banerjee, Raghu Cherukupalli, Manotosh Panja, 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
Aortic Aneurysm and Dissection Cases: Difficult Saves and Complications
Case Presenter: Narenda N. Khanna

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, 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

8:42 AM
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 CARDIOMYOPATHY

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: Ileana L. Pina, James E. Udelson
Discussants: David A Baran, Peter Carson, Victoria Delgado

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: Early Results of Revivent Procedure in the Treatment of Patients With Left Ventricular Dilatation and Heart Failure Due 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: First Results From Unblinded Roll in Phase
Lecturers: Peter Johnston

9:13 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
Lecturers: Tim Kinnaird

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
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
Pharmacology: Dual and Triple Anti-Platelet Therapy I
Moderators: Fausto Feres, Matthew T. Roe
Discussants: Andrea Abizaid, Massoud A. Leesar, Kyung Woo (KW) Park

8:30 AM
TCT 774: Duration of Dual Antiplatelet Therapy in Elective Drug Coated Balloon Angioplasty
Lecturers: Natasha Corballis, 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

8:49 AM
Discussion

8:54 AM
TCT 776: Duration of Dual Antiplatelet Therapy After Drug Coated Balloon Implantation
Lecturers: Franz Kleber, MD

9:01 AM
Discussion

9:06 AM
TCT 777: Guided De Escalation of DAPT in Acute Coronary Syndrome Patients Undergoing Percutaneous Coronary Intervention With Bvs Implantation A Post Hoc Analysis From the Randomized TROPICAL ACS Trial
Lecturers: Lukasz Koltowski, MD

9:13 AM
Discussion

9:18 AM
TCT 778: Impact of Ticagrelor and Aspirin vs Clopidogrel and Aspirin in Symptomatic Patients With Peripheral Arterial Disease: Thrombus Burden Assessed by Optical Coherence Tomography
Lecturers: Mehmet Cilingiroglu, MD

9:25 AM
Discussion

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
TAVR and MV Disease or LAA Closure
Moderators: Paul A. Grayburn, Karl-Heinz Kuck
Discussants: Krzysztof Bartus, Megan Coylewright, Matthew J Daniels, James B. Hermiller Jr

8:30 AM
TCT 739: Potential Role of Emerging Percutaneous Mitral Technologies in Patients Undergoing TAVR
Lecturers: Andrew Elbardissi, MD

8:37 AM
Discussion

8:42 AM
TCT 740: Impact of Calcific Mitral Stenosis on Survival in Patients With Aortic Stenosis Treated With TAVR
Lecturers: Anna Sannino, MD

8:49 AM
Discussion

8:54 AM
TCT 741: Impact of Transcatheter Aortic Valve Replacement on Mitral Valve Gradients
Lecturers: Anna Sannino, MD

9:01 AM
Discussion

9:06 AM
TCT 742: Percutaneous Left Atrial Appendage Closure Following Transcatheter Aortic Valve Replacement: Results From the Attractive Study
Lecturers: Liesbeth Rosseel, MD
9:13 AM Discussion

9:18 AM 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
9:25 AM Discussion

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

8:30 AM 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
8:37 AM Discussion

8:42 AM TCT 761: Reproducibility of Aortic Annular Area interpretation for Transcatheter Aortic Valve Replacement Among industry Representatives and Physicians Using Multidetector Computed tomography
Lecturers: Raveen Chawla
8:49 AM Discussion

8:54 AM TCT 762: Low incidence of Prosthesis Patient Mismatch Following Extremely Small Transcatheter Aortic Valve Replacement With 20 Mm SAPIEN 3
Lecturers: Kazue Okajima, MD
9:01 AM Discussion

9:06 AM TCT 763: Comparative Analysis Evaluating Imaging Modalities for Aortic Annulus Sizing and A Proposed New Technique Utilizing Three Dimensional Trans Esophageal Echocardiography: A Prospective Blinded Study
Lecturers: George Gellert, MD
9:13 AM Discussion

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 - 9:30 AM
Tranradial Access Complications
Moderators: Ronald Caputo
Discussants: Mazen Abu-Fadel, Marta Bande, Warren J. Cantor, Vladimir Dzavik, Alejandro Goldsmith, Eufracino Sandoval, Yader Sandoval

8:30 AM TCT 749: Real World Registry on Radial Artery Occlusion Post Cardiac Catheterization By Arterial Duplex Ultrasound
Lecturers: Wah Wah Htun, MD
8:37 AM Discussion

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
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 - 10:18 AM
Intervention Therapies in Patients with Diabetes Mellitus II
Moderators: Donald Cutlip, Michael E. Farkouh
Discussants: Jaya Chandrasekhar, Fazila T. Malik, Steven P. Marso, Expedito Eustáquio Ribeiro, Binita Shah, Clemens von Birgelen

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
9:37 AM  Discussion
9:42 AM  TCT 790: Efficacy and Safety of the Ultrathin Biodegradable 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
9:54 AM  TCT 792: Everolimus Eluting vs Biolimus Eluting Stent Implantation in Unselected Patients With and Without Diabetes: A SORT OUT VIII Substudy
Lecturers: Michael Maeng
10:01 AM  Discussion
10:06 AM  TCT 793: 10 Year Outcomes in Patients With and Without Diabetes Treated With First Generation Zotarolimus Eluting and Sirolimus Eluting Stents: The SORT OUT III Study
Lecturers: Kevin Kris Warnakula Olesen
10:13 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, Miroslav 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
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: Walter Desmet, Bill French
Discussants: YunDai Chen, Simon P. Hoerstrup, Eduardo Infante de Oliveira, 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 Yandrapalli

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: Tullio Palmerini
Discussants: Usman Baber, Piotr Jankowski, Eliano Pio Navarese

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
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: Amisha Patel, Bonnie H. Weiner
Discussants: Waleed Y Kadro, Christopher Kim, 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
Lecturers: Laura Kerkmeijer

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, Helge Möllmann
Discussants: Andrea Colli, Khalil Fattouch, 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, Scott Lim
Discussants: Sammy Elmariah, Christian Frerker, Tsuyoshi Kaneko, Saurabh Sanon

9:30 AM TCT 799: 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
10:01 AM 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
10:13 AM Discussion
10:18 AM TCT 803: Mitral Valve Repair With a Novel TransseptalNeochordal System: First in Man Experience
Lecturers: Alberto Weber
10:25 AM 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. 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
9:37 AM Discussion
9:42 AM TCT 810: Novel Distal Transradial Approach for Coronary and Peripheral Interventions
Lecturers: Avarandi Babunashvili
9:49 AM Discussion
9:54 AM TCT 811: Thumb Arterial Flow Assessment After Radial Artery Compression in the Anatomical Snuffbox Compared to Wrist Level
Lecturers: Gregory Sgueglia
10:01 AM Discussion
10:06 AM TCT 812: The Distal Left Radial Artery for Coronary Angiography and Intervention A Us Experience
Lecturers: Karim Al-Azizi
10:13 AM  Discussion  
Lecturers: Jason Ross  

10:18 AM  TCT 813: Assessing Relative Importance for Attributes of Radial and Femoral Artery PCI Amongst Healthy Online Recruited Volunteers  
Lecturers: Jason Ross  

10:25 AM  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  

10:37 AM  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  

10:49 AM  Discussion  

10:54 AM  TCT 821: Patent Foramen Ovale Closure in Patients With Cryptogenic Stroke: Meta Analysis of Randomized Controlled Trials  
Lecturers: Fahed Darmoch  

11:01 AM  Discussion  

Lecturers: Kais Hyasat  

11:13 AM  Discussion  

MODERATED POSTER SESSION: CATH LAB OF THE FUTURE: STRATEGIES TO CONTROL RADIATION EXPOSURE III  
MONDAY, SEPTEMBER 24, 2018  
10:30 AM - 11:18 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, James A. Goldstein, Ramon L Varcoe  

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 Xpert FD10 ECO X Ray Image Processing on Radiation Reduction During Cardiac Catheterization A Single Center 717 Case Experience  
Lecturers: J.R. Exequiel Pineda  

10:13 AM  Discussion  
Lecturers: Jason Ross  

10:18 AM  TCT 813: Assessing Relative Importance for Attributes of Radial and Femoral Artery PCI Amongst Healthy Online Recruited Volunteers  
Lecturers: Jason Ross  

10:25 AM  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  

10:37 AM  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  

10:49 AM  Discussion  

10:54 AM  TCT 821: Patent Foramen Ovale Closure in Patients With Cryptogenic Stroke: Meta Analysis of Randomized Controlled Trials  
Lecturers: Fahed Darmoch  

11:01 AM  Discussion  

Lecturers: Kais Hyasat  

11:13 AM  Discussion  

MODERATED POSTER SESSION: CATH LAB OF THE FUTURE: STRATEGIES TO CONTROL RADIATION EXPOSURE III  
MONDAY, SEPTEMBER 24, 2018  
10:30 AM - 11:18 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, James A. Goldstein, Ramon L Varcoe  

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 Xpert 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

11:06 AM  
TCT 831: Differences in Short Term Outcomes and Cost Between Alcohol Septal Ablation and Septal Myectomy for Hypertrophic Cardiomyopathy in the United States  
Lecturers: Srikanth Yandrapalli

11:13 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, Leif Thuesen
Discussants: Alaide Chieffo, Nicolas Foin, Robert J. Gil, Mamas Mamas

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 Stent
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
Lecturers: Sabato Sorrentino

11:13 AM
Discussion

11:18 AM
TCT 845: Clinical Impact of Low Platelet Count in Patients With Coronary Arterial Disease After Percutaneous Coronary Intervention
Lecturers: Sangwoo Park

11:25 AM
Discussion

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: Marie-Claude Morice, Christian M. Spaulding
Discussants: David J. Cohen, 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: Abdalrah Alrifai

11:13 AM
Discussion

11:18 AM
TCT 721: Transcatheter Aortic Valve Replacement in Patients With Chronic Pulmonary Hypertension
Lecturers: Obaib Abdullah
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, 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

11:06 AM TCT 855: Optical Coherence Tomography Appraisal of Residual Thrombus Burden in Patients With ST Segment Elevation Myocardial Infarction Undergoing High vs Low Bivalirudin Infusion The MATRIX Minimizing Adverse Haemorrhagic Events By Transradial Access
Lecturers: Hector M. Garcia-Garcia

11:13 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: 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
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 Infart 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  
Lecturers: Robert S. Schwartz

12:25 PM  
Discussion

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**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

12:25 PM  
Discussion
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: Francesco Maisano, Ralph Stephan von Bardeleben
Discussants: Stamatios Lerakis, Carlos E. Ruiz, 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
Lecturers: Mohammad Mehdi Ansari

12:25 PM
Discussion

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: Renu Virmani, Robert L. Wilensky
Discussants: Farouc A Jaffer, Takashi Kubo

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

11:37 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)
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: Ajay J. Kirtane

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**EVENING PROGRAM: NEXT GENERATION DES TECHNOLOGY: THE FUTURE IS HERE! (SPONSORED BY CRF, SUPPORTED BY ABBOTT, BOSTON SCIENTIFIC CORPORATION, MEDETRONIC, AND ORBUSNEICH)**

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

6:30 PM - 8:00 PM
**Next Generation DES Technology: The Future is Here!**
Co Chairs: Alexandre Abizaid, George D. Dangas, Roxana Mehran
Faculty: Ori Ben-Yehuda, Robert A. Byrne, David E. Kandzari, Ajay J. Kirtane, Mitchell W. Krucoff, Patrick W. Serruys, Pieter R. Stella, Stephan Windecker

6:30 PM **The Science behind Xience: From EXCEL to SHORT DAPT**
Lecturers: Roxana Mehran

6:37 PM **The Onyx One Programs: Moving to High Bleeding Risk Patients**
Lecturers: Stephan Windecker

6:44 PM **Novel PolyzeneF Nanocoating COBRA PzF Stent: Shortest DAPT Program**
Lecturers: Robert A. Byrne

6:51 PM **Novel Properties and Results with the Elastomer Polymer based EluNIR DES**
Lecturers: Ori Ben-Yehuda

6:58 PM **Moderated Discussion and Summary**

**THE CASE FOR BIORESORBABLE POLYMER DES**
Moderators: Patrick W. Serruys

7:08 PM **The Evolving SYNERGY Programs: EVOLVE Short DAPT Updates**
Lecturers: Ajay J. Kirtane

7:15 PM **ORSIRO: An Ultra thin Strut Metallic DES with Bioresorbable Polymer**
Lecturers: David E. Kandzari

7:22 PM **Bioresorbable Polymer based Drug Delivery with Endothelial Progenitor Cells to Accelerate Healing: The COMBO Stent**
Lecturers: Roxana Mehran

7:29 PM **Moderated Discussion and Summary**

**THE CASE FOR POLYMER-FREE DES**
Moderators: Roxana Mehran

7:39 PM **BIOFREEDOM: The LEADERS FREE Program and Beyond**
Lecturers: Mitchell W. Krucoff

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7:47 PM  Polymer Free Amphilimus CRE8: A Creative Design for Diabetics
Lecturers: Pieter R. Stella

7:54 PM  Moderated Discussion and Summary

8:00 PM  Adjourn
**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, Upper Level

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: Emmanouil S. Brilakis, George D. Dangas, Ajay J. Kirtane  
Faculty: J. Aaron Grantham, Paul Knaapen, Robert W. Yeh

- **7:00 AM**  
  Welcome and Introductions  
  Lecturers: Ajay J. Kirtane

- **7:02 AM**  
  Matching Guidewire Design to Function: 2018 Updates  
  Lecturers: Robert W. Yeh

- **7:12 AM**  
  Applied Use of Coronary Guidewires: Basic Principles for Wire Manipulation  
  Lecturers: Emmanouil S. Brilakis

- **7:24 AM**  
  Using All Tools at Your Disposal for Wiring and Troubleshooting: Case Examples  
  Lecturers: J. Aaron Grantham

- **7:36 AM**  
  CTO Wires: Antegrade and Retrograde Case Examples  
  Lecturers: Paul Knaapen

- **7:48 AM**  
  Audience QA and Discussion

- **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, Upper Level

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

- **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

- **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
8:00 AM - 9:00 AM

**My Best Complications (Ones That Worked Out)**

Moderators: Howard C. Herrmann, Gregg W. Stone
Discussants: Krzysztof Bartus, Francisco Fdez-Aviles, Gary Gershony, Robert A. Lookstein, Reginald I. Low, Francesco Maisano, Christoph A. Nienaber, Curtiss T. Stinis, Bernhard Witzenbichler

- **8:00 AM**  
  Massive Perforation After Coronary Atherectomy  
  Case Presenter: George D. Dangas

- **8:12 AM**  
  Chordal Rupture During Hemodynamic Support  
  Case Presenter: Mark Reisman

- **8:24 AM**  
  Severe Aortic Dissection  
  Case Presenter: D. Christopher Metzger

- **8:36 AM**  
  Subclavian Artery Rupture and Avulsion  
  Case Presenter: Oscar A. Mendiz

- **8:48 AM**  
  Right Heart Catheterization is Not Always Benign  
  Case Presenter: Giuseppe Tarantini

9:00 AM - 10:00 AM

**TCT Awards: Best Abstract, Best Challenging Case, Most Fascinating Lecture**

Award Presenters: Alexandre Abizaid, Gary S. Mintz, Patrick W. Serruys, Gregg W. Stone

- **9:00 AM**  
  Best Oral Abstract Presentation

- **9:06 AM**  
  Discussion

- **9:16 AM**  
  TCT Award Presentation: Best Oral Abstract  
  Award Presenters: Patrick W. Serruys

- **9:20 AM**  
  Best Challenging Case Presentation  
  Lecturers: Shunming Zhu

- **9:26 AM**  
  Discussion

- **9:36 AM**  
  TCT Award Presentation: Best Challenging Case  
  Award Presenters: Alexandre Abizaid

- **9:40 AM**  
  Most Fascinating Lecture Presentation  
  Lecturers: Paul Rees

- **9:46 AM**  
  Discussion

- **9:56 AM**  
  TCT Award Presentation: Most Fascinating Lecture  
  Award Presenters: Gary S. Mintz

10:00 AM - 11:00 AM

**Late-Breaking Trials 5**

Moderators: Felix Mahfoud, Patrick W. Serruys
Discussants: Herbert B. Aronow, Bernard R. Chevalier, David J. Cohen, Antonio Colombo, Yaling Han, Takeshi Kimura, Ajay J. Kirtane, D. Christopher Metzger, John A. Ormiston, 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
Late-Breaking Clinical Science 3
Moderators: James B. Hermiller Jr
Co-Moderator: Alain G. Cribier

11:00 AM - 12:00 PM

**CorMicA: 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 Shioami

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**
Lecturers: Lars Søndergaard

11:55 AM Roundtable Discussion

12:00 PM - 1:00 PM

**My Worst Complications (Ones That Didn’t Work Out)**
Moderators: Martin B. Leon, Barry D. Rutherford
Discussants: Emmanouil S. Brilakis, Anthony H. Gershlick, Takeshi Kimura, Ugo Limbruno, Fabian Nietlispach, Igor F. Palacios, David G. Rizik, Andrew Sharp, Peter B. Sick, Paul Sorajja

12:00 PM **Cascade of Complications During and After Single Remaining Vessel PCI**
*Case Presenter: Azeem Latib*

12:12 PM **Hemodynamic Collapse After TAVR**
*Case Presenter: Jochen Wöhrle*

12:24 PM **TAVI with Delayed Cardiac Arrest**
*Case Presenter: Mohamed Abdel-Wahab*

12:36 PM **Valve in Valve Gone Awry**
*Case Presenter: Nirat Beohar*

12:48 PM TBD