



TVT2019

STRUCTURAL HEART SUMMIT

JUNE 12-15, 2019

SHERATON GRAND CHICAGO
CHICAGO, IL

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2019 PROGRAM AGENDA

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@CRFheart



Cardiovascular Research Foundation

Image-Based Cases for the Heart Team

WEDNESDAY, JUNE 12, 2019

1:30 PM - 6:30 PM

Chicago Ballroom VIII

1:30 PM - 2:45 PM

Aortic Cases

Moderators: João L. Cavalcante, Torsten P. Vahl
Discussants: Anita Asgar, Philipp Blanke, Rebecca T. Hahn, Nadira Hamid, Hasan Jilaihawi

1:30 PM **Plenary Lecture: Are There Still Imaging Challenges for TAVR**
Lecturer: Jonathon A. Leipsic

1:45 PM **Aortic Case 1: Structural Valve Deterioration vs. Late Leaflet Thrombosis**

1:45 PM **Case Presentation and Clinical Device Discussion**
Case Presenter: Hasan Jilaihawi

1:50 PM **Anatomic Analysis CT and Panel Discussion**
Lecturer: Philipp Blanke

1:55 PM **Anatomic Analysis TTETEE and Panel Discussion**
Lecturer: Rebecca T. Hahn

2:00 PM **Panel Discussion on Differential Diagnosis and Management**
Lecturer: Rebecca T. Hahn

2:10 PM **Case Intervention and Outcomes**
Case Presenter: Hasan Jilaihawi

2:15 PM **Aortic Case 2: Low Left Main**

2:15 PM **Case Presentation and Clinical Device Discussion**
Case Presenter: Omar K. Khalique

2:20 PM **Anatomic Analysis CT**
Lecturer: Philipp Blanke

2:25 PM **Anatomic Analysis TTETEE**
Lecturer: Anita Asgar

2:30 PM **Panel Discussion on Jena Valve vs. BASILICA in Native AS vs. SAVR**
Lecturer: Anita Asgar

2:45 PM - 4:00 PM

Mitral Cases

Moderators: Isaac George, Paul A. Grayburn
Discussants: Vinayak N. Bapat, Katherine Harrington, Saibal Kar, Omar K. Khalique, Jonathon A. Leipsic, Gilbert H.L. Tang

2:45 PM **Plenary Lecture: Imaging Issues in Mitral Regurgitation and Impact on Trial Design**
Lecturer: Paul A. Grayburn

3:00 PM **Mitral Case 1: Severe FMR**

3:00 PM **Case Presentation and Clinical Device Discussion**
Case Presenter: Saibal Kar

3:05 PM **Anatomic Analysis CT and Panel Discussion**
Lecturer: Jonathon A. Leipsic

3:10 PM **Anatomic Analysis TTETEE and Panel Discussion**
Lecturer: Maurice E. Sarano

3:15 PM **Panel Discussion on Differential Diagnosis and Management**
Lecturer: Maurice E. Sarano

3:25 PM **Case Intervention and Outcomes**
Case Presenter: Saibal Kar

3:30 PM **Mitral Case 2: Severe MAC**

3:30 PM **Case Presentation and Clinical Device Discussion**
Case Presenter: Jonathon A. Leipsic

3:35 PM **Anatomic Analysis CT**
Lecturer: Dee Dee Wang

3:40 PM **Anatomic Analysis TTETEE**
Lecturer: Omar K. Khalique

3:45 PM **Panel Discussion on Surgical MVR vs. Transcatheter or Minimally Invasive S3 Valve in MAC TMVR Hospice**
Lecturer: Omar K. Khalique

3:55 PM **Case Intervention and Outcomes**
Case Presenter: Jonathon A. Leipsic

4:00 PM - 5:15 PM

Tricuspid Cases

Moderators: Susheel K. Kodali, Thomas Smith
Discussants: Vinayak N. Bapat, Charles J. Davidson, Neil P. Fam, Jonathon A. Leipsic, Francesco Maisano

4:00 PM **Plenary Lecture Tricuspid Valve Interventions: A Voyage of Discovery**
Lecturer: Rebecca T. Hahn

4:15 PM **Tricuspid Case 1: Severe or Torrential TR With Dilated VR**

4:15 PM **Case Presentation and Clinical Device Discussion**
Case Presenter: Akhil Narang

- 4:20 PM **Anatomic Analysis CT**
Lecturer: Jonathon A. Leipsic
- 4:25 PM **Anatomic Analysis TTETEE**
Lecturer: Thomas Smith
- 4:30 PM **Panel Discussion on Device Sizing When Patient is Volume Overloaded or Optimized When Is RV Too Far Gone to Fix TR and Can We Measure RV Viability**
Lecturer: Thomas Smith

4:40 PM **Case Intervention and Outcomes**
Case Presenter: Akhil Narang

4:45 PM **Tricuspid Case 2: Severe TR With Pacemaker Lead**
4:45 PM **Case Presentation and Clinical Device Discussion**
Case Presenter: G. Burkhard Mackensen

4:50 PM **Anatomic Analysis CT**
Lecturer: Jonathon A. Leipsic

4:55 PM **Anatomic Analysis TTETEE**
Lecturer: Rebecca T. Hahn

5:00 PM **Panel Discussion on Surgery vs. Device Device Selection and Technique**
Lecturer: Rebecca T. Hahn

5:10 PM **Case Intervention and Outcomes**
Lecturer: G. Burkhard Mackensen

5:15 PM - 6:30 PM

Miscellaneous Cases

Moderators: Linda D. Gillam, Susheel K. Kodali
Discussants: Vinayak N. Bapat, Philipp Blanke, Srin Potluri, Maurice E. Sarano, Molly Szerlip, Gerard Wilkins, Mathew Williams

5:15 PM **Miscellaneous Case 1: Degenerated Homograft With Severe AR**

5:15 PM **Case Presentation and Clinical Device Discussion**
Case Presenter: Molly Szerlip

5:20 PM **Anatomic Analysis CT**
Lecturer: Omar K. Khalique

5:25 PM **Anatomic Analysis TTETEE**
Lecturer: Gerard Wilkins

5:30 PM **Panel Discussion on Issues With Redo Which TAVR Device Works Best Optimal Oversizing and Technical Issues**
Lecturer: Gerard Wilkins

5:40 PM **Case Intervention and Outcomes**
Lecturer: Molly Szerlip

5:45 PM **Miscellaneous Case 2: Mechanical MVR With PVL and Hemolysis**

5:45 PM **Case Presentation and Clinical Device Discussion**
Case Presenter: Srin Potluri

5:50 PM **Anatomic Analysis CT**
Lecturer: Philipp Blanke

5:55 PM **Anatomic Analysis TTETEE**
Lecturer: Gerard Wilkins

6:00 PM **Panel Discussion on Device Selection and Sizing Technical Issues and the Need to Obliterate MR**
Lecturer: Gerard Wilkins

6:10 PM **Case Intervention and Outcomes**
Lecturer: Srin Potluri

6:15 PM **Closing Panel Discussion**

CV TEAM SYMPOSIUM

CV Team Symposium

WEDNESDAY, JUNE 12, 2019

2:30 PM - 6:30 PM

Chicago Ballroom IX

2:30 PM - 3:30 PM

CVT Professionals on the Heart Team

Moderators: Martina Kelly Speight, Tamim M. Nazif
Discussants: Susan J. Schnell, Rena Silver

2:30 PM **Keynote Address: The Impact of the CV Team Professionals**
Lecturer: Elizabeth M. Perpetua

2:46 PM **Panel Discussion**

2:55 PM **Implementing Shared Decision Making for Structural Heart Therapies**
Lecturer: Roseanne Palmer

3:08 PM **Panel Discussion**

3:13 PM **TVT Registry: The Role of CVT Professionals in Quality**
Lecturer: Martina Kelly Speight

3:26 PM **Panel Discussion**

3:30 PM - 4:30 PM

Aortic Valve Disease

Moderators: Kim Guibone, Marian C. Hawkey
Discussants: David J. Cohen, Jeff Mercer

3:30 PM **Low Risk Approval: Who Isnt a Candidate for TAVR**
Lecturer: Tsuyoshi Kaneko

3:41 PM **Panel Discussion**

3:45 PM **Are There Opportunities in Your Valve Program**
Lecturer: Sarah Clarke

3:56 PM **Panel Discussion**

4:00 PM **Nurse Led Sedation for TAVR**
Lecturer: Bria Kneller

4:11 PM **Panel Discussion**

4:15 PM **Individualized Care Pathways**
Lecturer: Sandra Lauck

4:26 PM **Panel Discussion**

4:30 PM - 5:40 PM

Mitral/Tricuspid Valve Disease and LAA Closure

- 4:30 PM **Echocardiography Pearls for Mitral and Tricuspid Valve Disease**
Lecturer: Dee Dee Wang
- 4:43 PM **Panel Discussion**
- 4:47 PM **Decision Making and Procedural Planning Vignettes: MitraClip TMVR and Tricuspid Therapy**
Lecturer: Jason H. Rogers
- 5:00 PM **Panel Discussion**
- 5:04 PM **The TMTT Inpatient Care Team: Preventing Post Procedure Catastrophes**
Lecturer: Marcus R. Burns
- 5:17 PM **Panel Discussion**
- 5:21 PM **LAA Occlusion Best Practice Considerations and Challenges**
Lecturer: Asma Hussaini
- 5:34 PM **Panel Discussion**

5:40 PM - 6:30 PM

Future Considerations for the Structural Heart Team

Moderators: Brian R. Lindman, Elizabeth M. Perpetua
Discussants: Jennifer Daniel, Katie Jaschke, Mark J. Russo

- 5:40 PM **Fix the Valve and Hope for the Best: Can We Do Better**
Lecturer: Brian R. Lindman
- 5:51 PM **Panel Discussion**
- 5:55 PM **Building Sustainable Programs: Anticipating the Tsunami of Structural Heart Disease**
Lecturer: Janet F. Wyman
- 6:05 PM **Panel Discussion**
- 6:10 PM **Caring for The CVT Professional: Addressing and Preventing Burnout**
Lecturer: Kim Guibone
- 6:25 PM **Panel Discussion**

STRUCTURAL HEART JOURNAL RECEPTION

Structural Heart Journal Reception

WEDNESDAY, JUNE 12, 2019

6:30 PM - 7:30 PM
Ballroom Promenade

6:30 PM - 7:30 PM

Structural Heart Journal Reception

Faculty: Anthony N. DeMaria, Martin B. Leon, Elizabeth M. Perpetua

INNOVATION SYMPOSIUM

Innovation Symposium

WEDNESDAY, JUNE 12, 2019

2:30 PM - 6:30 PM

Sheraton Ballroom I-II

2:30 PM - 4:09 PM

Innovation at TVT Part I

Moderators: William A. Gray, Eberhard Grube
Discussants: Ori Ben-Yehuda, Martin Burke, Philippe Genereux, Mark Hensey, David Planer, Sanjiv Shah, Gagan D. Singh

2:30 PM **Emerging Ancillary Tools and Technologies**

2:30 PM **Substernal Extracardiac Pacing for SHD Procedures**
AtaCor Medical
Lecturer: Martin Burke

2:37 PM **Early Experience With a Purpose Designed Temporary Pacing Guidewire for Transcatheter Heart Valve Implantation**
Lecturer: Mark Hensey

2:44 PM **Captis Full Body Embolic Protection System Filterlex**
Lecturer: Giora Weisz

2:50 PM **Moderated Discussion With QA**
Lecturer: Giora Weisz

2:57 PM **A Novel Robotic Catheter for Precise and Reproducible Delivery of Transcatheter Devices for SHD Interventions**
Lecturer: Gagan D. Singh

3:04 PM **Real Time Bleed Detection and Monitoring: Initial Clinical Experience With the Early Bird Bleed Monitoring System Saranas**
Lecturer: Philippe Genereux

3:11 PM **Moderated Discussion With QA**
Lecturer: Philippe Genereux

3:18 PM **Interventional Heart Failure**

3:18 PM **Renal Vein Pressure Decompression for ADHF Magenta**
Lecturer: Ori Ben-Yehuda

3:25 PM **Percutaneous Ventricular Reshaping of the LV for Chronic Heart Failure Ancora**
Lecturer: Mark Reisman

3:32 PM **Moderated Discussion With QA**
Lecturer: Mark Reisman

3:39 PM **Focused Update on Interatrial Shunts**

3:39 PM **V Wave**
Lecturer: Gregg W. Stone

3:46 PM **Corvia**
Lecturer: Sanjiv Shah

- 3:53 PM **Noya Chinese**
Lecturer: David Planer
- 4:00 PM **Moderated Discussion With QA**
Lecturer: David Planer

4:09 PM - 6:30 PM

Innovation at TVT Part II

Moderators: Azeem Latib, Nicolo Piazza
Discussants: William A. Gray, Michael J. Reardon, Frederick G. St. Goar

- 4:09 PM **Advanced SHD Imaging and Septal Puncture Crossing Devices**
4:09 PM **Specially Designed Needle Based TSP Crosser Flex Point and BMT Kapsul**
Lecturer: Azeem Latib
- 4:16 PM **Other Emerging Dedicated Transseptal Crossing Technologies 510 Kardiac and East End Medical**
Lecturer: Scott Lim
- 4:23 PM **Moderated Discussion With QA**
Lecturer: Scott Lim
- 4:30 PM **LAA Planning and Closure Technologies**
4:30 PM **Early Feasibility Study of 3D ICE Guidance for SHD Interventions**
Lecturer: Kimberly Chadwell
- 4:37 PM **A New Preoperative Approach Based on 3D Printed Simulation in LACC Procedures Data From LAA Print French Registry: A Large National Multicentric Prospective Registry**
Lecturer: Vlad Ciobotaru
- 4:44 PM **Anatomy Self Adaptable LAA Closure Device Conformal**
Lecturer: William A. Gray
- 4:51 PM **Moderated Discussion With QA**
Lecturer: William A. Gray
- 4:59 PM **Rapid Fire on Emerging Mitral Interventional Technologies**
4:59 PM **Leaflet Grasping Technologies**
Lecturer: William A. Gray
- 5:20 PM **Transseptal Leaflet Chordal Suspension**
Lecturer: William A. Gray
- 5:50 PM **Posterior Leaflet Modification Replacement**
Lecturer: William A. Gray
- 6:07 PM **Emerging Tricuspid Interventional Technologies**
6:07 PM **CroiValve Percutaneous Tricuspid Coaptation Valve**
Lecturer: Martin Quinn
- 6:14 PM **The Mistral Device Mitralix: Device Features and First In Human Data**
Lecturer: David Planer
- 6:21 PM **Moderated Discussion With QA**
Lecturer: David Planer

MitraClip & Tendyne: New Technologies and How to Treat FMR!

WEDNESDAY, JUNE 12, 2019

2:00 PM - 4:00 PM

Michigan A/B, Meeting Room Level 2

2:00 PM - 4:00 PM

MitraClip & Tendyne - New Technologies and How to Treat FMR!

Moderators: Scott Lim, Mark Reisman
Training Pavilion Faculty: Steven F. Bolling, Michael J. Rinaldi, Thomas Smith, Paul Sorajja, Molly Szerlip

- 2:00 PM **Introduction Solutions for Mitral Regurgitation**
- 2:05 PM **Technology Review: MitraClip NTR XTR Tendyne TMVR**
2:05 PM **NTRXTR**
Lecturer: Molly Szerlip
- 2:13 PM **Tendyne TMVR**
Lecturer: Molly Szerlip
- 2:20 PM **Bioskills: FMR Patho Anatomy Overview and Intersection with Technology NTR XTR and Tendyne**
Bioskills/Factoid: Mark Reisman
- 2:40 PM **Hands On Rotations**
- 3:00 PM **FMR Finally Screening Procedural Approach MitraClip**
3:00 PM **Assessment EchoTEE**
Lecturer: Thomas Smith
- 3:06 PM **HF Meds**
Training Pavilion Faculty: Michael J. Rinaldi
- 3:14 PM **Targeted Transseptal**
Lecturer: Molly Szerlip
- 3:22 PM **Clip Strategy A2P2 vs ZipClip**
Lecturer: Scott Lim
- 3:30 PM **Case Example Roundtable Discussion**
3:30 PM **IIIb Clip in Middle**
Case Presenter: Molly Szerlip
- 3:38 PM **Post Leaf Retraction ZipClip**
Case Presenter: Paul Sorajja
- 3:46 PM **MAC Tendyne**
Case Presenter: Paul Sorajja

MITRACLIP & TENDYNE: NEW TECHNOLOGIES AND HOW TO TREAT FMR!

MitraClip & Tendyne: New Technologies and How to Treat FMR!

WEDNESDAY, JUNE 12, 2019

4:30 PM - 6:30 PM

Michigan A/B, Meeting Room Level 2

4:30 PM - 6:30 PM

MitraClip & Tendyne - New Technologies and How to Treat FMR!

Moderators: Isaac George, Saibal Kar
Training Pavilion Faculty: Keith B. Allen, Hemal Gada, Paul A. Grayburn, James B. Hermiller Jr, Mark Reisman

4:30 PM Introduction Solutions for Mitral Regurgitation

4:35 PM Technology Review: MitraClip NTR XTR Tendyne TMVR

4:35 PM MitraClip NTR XTR

Lecturer: Hemal Gada

4:43 PM Tendyne TMVR

Lecturer: Gilbert H.L. Tang

4:50 PM Bioskills: FMR Patho Anatomy Overview and Intersection with Technology NTR XTR and Tendyne

Training Pavilion Faculty: Isaac George

5:00 PM Hands On Rotations

5:30 PM FMR Finally Screening Procedural Approach MitraClip

5:30 PM Assessment EchoTEE

Lecturer: Paul A. Grayburn

5:36 PM HF Meds

Lecturer: James B. Hermiller Jr

5:44 PM Targeted Transseptal

Lecturer: Hemal Gada

5:52 PM Clip Strategy A2P2 vs ZipClip

Lecturer: Saibal Kar

6:00 PM Case Example Roundtable Discussion

6:00 PM IIB Clip in Middle

Case Presenter: Hemal Gada

6:08 PM Post Leaf Retraction ZipClip

Case Presenter: James B. Hermiller Jr

6:16 PM MAC Tendyne

Case Presenter: Keith B. Allen

INTEGRATING PROGRESSIVE CONCEPTS INTO YOUR LAAC PRACTICE

Integrating Progressive Concepts into your LAAC Practice

WEDNESDAY, JUNE 12, 2019

2:00 PM - 4:00 PM

Mayfair, Meeting Level 2

2:00 PM - 4:00 PM

Integrating Progressive Concepts into your LAAC Practice

Training Pavilion Faculty: Asma Hussaini, Brij Maini

2:00 PM Watchman Implant Overview Challenging Anatomy Transseptal for Watchman and Case Reviews

2:45 PM WM Indications Shared Decision Making and Case Reviews

3:30 PM Characteristics of a Successful LAA Program Developing a Referral Network

3:50 PM Discussion

THURSDAY, JUNE 13, 2019

MAIN ARENA DAY 1: THURSDAY MORNING, JUNE 13TH

Main Arena Day 1: Thursday Morning, June 13th

THURSDAY, JUNE 13, 2019

7:55 AM - 12:00 PM

Sheraton Chicago Ballroom IV-VII

7:55 AM - 8:45 AM

Transcatheter Mitral Therapies: Thing One

Moderators: Michael J. Mack, Gregg W. Stone
Discussants: Jeroen J. Bax, Howard C. Herrmann, Saibal Kar, Patrick M. McCarthy, Thomas Modine, Milton Packer, Mark Reisman, Allan Schwartz, Paul Sorajja, Gilbert H.L. Tang

7:55 AM Welcome to TVT 2019

Lecturer: Martin B. Leon

8:00 AM Transcatheter Therapy for FMR: Is MitraClip Leading a New Revolution

8:00 AM A Synthesis of COAPT MitraFR and Other FMR Trials: Clinical Implications

Lecturer: Gregg W. Stone

- 8:10 AM **Proportionate and Disproportionate FMR: A New Conceptual Framework to Explain Differences in Clinical Trial Outcomes**
Lecturer: Paul A. Grayburn
- 8:20 AM **Reactions From the Cardiology Community**
Lecturer: Allan Schwartz
- 8:25 AM **Reactions From the Surgical Community**
Lecturer: Gilbert H.L. Tang
- 8:30 AM **Moderated Discussion: Gaps in the Transcatheter FMR Therapy Story**
Lecturer: Gilbert H.L. Tang

8:45 AM - 9:30 AM

Live Case #1: Mayo Clinic — Mitral Valve-In-Ring

Live Case Moderators: Gregg W. Stone Live Case Co-Moderators: Michael J. Mack Live Case Discussants: David H. Adams, Jeroen J. Bax, Howard C. Herrmann, Saibal Kar, Patrick M. McCarthy, Thomas Modine, Milton Packer, Mark Reisman, Allan Schwartz, Paul Sorajja

- 8:45 AM **Live Case 1: Mayo Clinic Mitral Valve In Ring**
Live Case Operator: Mackram F. Eleid, Mayra Guerrero, Chet Rihal

9:30 AM - 10:15 AM

Live Cases #2: Emory Structural Heart & Valve Center - TMVR-in-MAC (Lampoon)

Live Case Moderators: Martin B. Leon Live Case Co-Moderators: Michael J. Reardon Live Case Discussants: Blase A. Carabello, Charles J. Davidson, Neil P. Fam, Rebecca T. Hahn, Susheel K. Kodali, Alexander Lauten, Christopher U. Meduri, Philippe Pibarot, Jeffrey J. Popma, John G. Webb

- 9:30 AM **Live Case 2: Emory Structural Heart Valve Center TMVR in MAC Lampoon**
Live Case Operator: Vasilis Babaliarios, Adam B. Greenbaum, Kendra J. Grubb, Robert J. Lederman

10:15 AM - 11:00 AM

TAVR - Thing One

Moderators: Martin B. Leon, Michael J. Reardon Discussants: Blase A. Carabello, Charles J. Davidson, Neil P. Fam, Rebecca T. Hahn, Susheel K. Kodali, Alexander Lauten, Christopher U. Meduri, Philippe Pibarot, Jeffrey J. Popma, John G. Webb

10:15 AM **The TAVR Low Risk RCTs: Crystallizing the Data and Clinical Implications**

- 10:15 AM **Highlights From the PARTNER 3 Low Risk Trial**
Lecturer: Michael J. Mack

- 10:25 AM **Highlights From the CoreValve Low Risk Trial**
Lecturer: Jeffrey J. Popma

- 10:35 AM **Reactions From the Cardiology Community**
Lecturer: Blase A. Carabello

- 10:40 AM **Reactions From the Surgical Community**
Lecturer: Patrick M. McCarthy

- 10:45 AM **Moderated Discussion: What Will the Role of Surgery Be in the Treatment of AS in the Future**
Lecturer: Patrick M. McCarthy

11:00 AM - 12:00 PM

Live Cases #3 and #4: TAVR

Live Case Moderators: Samir R. Kapadia Live Case Co-Moderators: Mathew Williams Live Case Discussants: Philipp Blanke, Steven F. Bolling, G. Michael Deeb, Creighton W. Don, Reda Ibrahim, Amar Krishnaswamy, Chris Malaisrie, Fabien Praz, Torsten P. Vahl, Bernard Vasseur

- 11:00 AM **Live Case 3: Mayo Clinic Mitral PV Leak Closure**
Live Case Operator: Mackram F. Eleid, Mayra Guerrero, Chet Rihal, Gurpreet S. Sandhu
- 11:30 AM **Live Case 4: Emory Structural Heart Valve Center TAVR Valve in Valve Basilica**
Live Case Operator: Vasilis Babaliarios, Adam B. Greenbaum, Kendra J. Grubb, Robert J. Lederman

MAIN ARENA DAY 1: THURSDAY AFTERNOON, JUNE 13TH

Main Arena Day 1: Thursday Afternoon, June 13th

THURSDAY, JUNE 13, 2019

2:00 PM - 6:10 PM
Sheraton Chicago Ballroom IV-VII

2:00 PM - 2:45 PM

Transcatheter Mitral Valve Therapies – Thing Two

Moderators: Scott Lim, Francesco Maisano Discussants: Gorav Ailawadi, Saif Anwaruddin, Anita Asgar, Vinayak N. Bapat, Steven F. Bolling, Andrea Colli, Samir R. Kapadia, Randolph P. Martin, Thomas Smith, Paul Sorajja

2:00 PM **Technology: Tell Us Two BIG Things**

- 2:00 PM **Advocacy Corner: Preferred Use for Anatomy and Patients**
Lecturer: Patrick M. McCarthy

- 2:34 PM **Does a Multi Device Lesion Specific Approach Make Sense Including Sequential Therapies**
Lecturer: Felix Kreidel

- 2:40 PM **Discussion**
Lecturer: Felix Kreidel

2:45 PM - 3:30 PM

Live Case #5: Mayo Clinic — MitraClip in FMR

Live Case Moderators: Francesco Maisano Live Case Co-Moderators: Scott Lim Live Case Discussants: Gorav Ailawadi, Saif Anwaruddin, Anita Asgar, Vinayak N. Bapat, Steven F. Bolling, Andrea Colli, Samir R. Kapadia, Randolph P. Martin, Thomas Smith, Paul Sorajja

- 2:45 PM **Live Case 5: Mayo Clinic MitraClip in FMR**
Live Case Operator: Mackram F. Eleid, Mayra Guerrero, Chet Rihal, Gurpreet S. Sandhu

3:30 PM - 4:15 PM

Live Case #6: Emory Structural Heart & Valve Center — TMVR - Valve-in-Valve + BVF

Live Case Moderators: Rebecca T. Hahn Live Case Co-Moderators: Jeroen J. Bax Live Case Discussants: David H. Adams, Vinayak N. Bapat, Charles J. Davidson, Anthony N. DeMaria, James S. Gammie, Felix Kreidel, Azeem Latib, Alexander Lauten, Christopher U. Meduri, David Meerkin

- 3:30 PM **Live Case 6: Emory Structural Heart Valve Center TMVR Valve in Valve BVF**
Live Case Operator: Vasilis Babaliarios, Adam B. Greenbaum, Kendra J. Grubb, Robert J. Lederman

4:15 PM - 5:15 PM

Transcatheter Tricuspid Valve Therapies — The Forgotten Valve No Longer

- 4:15 PM **Tell Us Three Important Things**
- 4:15 PM **Does the Natural History of TR Justify Earlier Treatment**
Lecturer: *Jeroen J. Bax*
- 4:25 PM **Discussion**
Lecturer: *Jeroen J. Bax*
- 4:30 PM **Tricuspid Valve Imaging: Challenges Conundrums and Solutions**
Lecturer: *Rebecca T. Hahn*
- 4:40 PM **Discussion**
Lecturer: *Rebecca T. Hahn*
- 4:45 PM **Status Update on Transcatheter TR Therapies**
Lecturer: *Maurizio Taramasso*
- 4:55 PM **Discussion**
Lecturer: *Maurizio Taramasso*
- 5:00 PM **How Do I Treat These Three Severe TR Cases**
Lecturer: *Neil P. Fam*
- 5:10 PM **Discussion**

5:15 PM - 6:10 PM

TAVR — Thing Two

Moderators: *Susheel K. Kodali, John G. Webb* Discussants: *Stanley J. Chetcuti, Anson Cheung, David J. Cohen, Megan Coylewright, Ariel Finkelstein, Isaac George, James B. Hermiller Jr, Mark J. Russo, Gilbert H.L. Tang, Steven J. Yakubov*

- 5:15 PM **Tell Us Three Important Things**
- 5:15 PM **Disparities in the Treatment of Aortic Stenosis: Race Gender and Referring Physician Biases**
Lecturer: *J. Matthew Brennan*
- 5:25 PM **Discussion**
Lecturer: *J. Matthew Brennan*
- 5:30 PM **Do We Need a Randomized Trial in Bicuspid Aortic Valve Disease**
Lecturer: *Vinod H. Thourani*
- 5:40 PM **Discussion**
Lecturer: *Vinod H. Thourani*
- 5:45 PM **Access to Coronaries After TAVR: The Next Big Thing**
Lecturer: *John G. Webb*
- 5:55 PM **Discussion**
Lecturer: *John G. Webb*
- 6:00 PM **Moderated Discussion: The TAVR Avalanche Fast Forward or Pause**

CASE-BASED TUTORIALS AND CHALLENGING CASES: TAVR I AND TAVR COMPLICATIONS I & II

Case-Based Tutorials and Challenging Cases: TAVR I and TAVR Complications I & II

THURSDAY, JUNE 13, 2019

8:15 AM - 11:35 AM

Chicago Ballroom IX

8:15 AM - 9:45 AM

Challenging Cases: TAVR Complications I

Moderators: *David J. Cohen, Nicolo Piazza* Discussants: *Stanley J. Chetcuti, Amisha Patel*

- 8:15 AM **Valve Embolization: From One Complication to Another**
Case Presenter: *Itshac Itsik Ben-dor*
- 8:22 AM **Discussion**
- 8:25 AM **Ventricular Septal Defect Associated With Bioprosthetic Valve Fracturing**
Case Presenter: *Albert Chan*
- 8:32 AM **Discussion**
- 8:35 AM **Severe AR After TAVI: A Unique Treatment Option**
Case Presenter: *Praveen Chandra*
- 8:42 AM **Discussion**
- 8:45 AM **Percutaneous Aortic Valve Replacement: Life Threatening Complication and Out of the Box Solution**
Case Presenter: *Nagendra Singh Chouhan*
- 8:52 AM **Discussion**
- 8:55 AM **Life Saving Procedure Planning: Predicted Coronary Occlusion and Impella Bailout in Valve Transcatheter Aortic Valve Replacement**
Case Presenter: *Luis Dallan*
- 9:02 AM **Discussion**
- 9:05 AM **Late Presenting Migration of Sapien XT Into LVOT Treated With TF VIV**
Case Presenter: *Jason Ricci*
- 9:12 AM **Discussion**
- 9:15 AM **Successful BASILICA for a Failed CoreValve**
Case Presenter: *Ikki Komatsu*
- 9:22 AM **Discussion**
- 9:25 AM **When it Pops Out: Restart All Over Again From the Beginning**
Case Presenter: *Takehiro Yamashita*
- 9:32 AM **Discussion**
- 9:35 AM **Initiation of ECMO Through Transcaval Access in Unstable Patient Undergoing TAVR and Subsequent Decannulation Prior to Closure of the Transcaval Access**
Case Presenter: *Shawn Yazdani*
- 9:42 AM **Discussion**

9:45 AM - 10:15 AM

Case-Based Tutorials: TAVR I

- 9:45 AM **Case Based Tutorials**
- 9:45 AM **Thrombosis of a Transcatheter or Surgical Bioprosthetic Valve**
Case Presenter: Raj Makkar
- 9:53 AM **Discussion**
Case Presenter: Raj Makkar
- 9:55 AM **Restenosis of a Transcatheter Aortic Valve**
Case Presenter: Janarthanan Sathananthan
- 10:03 AM **Discussion**
Case Presenter: Janarthanan Sathananthan
- 10:05 AM **Acute Coronary Obstruction During After TAVR**
Case Presenter: Danny Dvir
- 10:13 AM **Discussion**
Case Presenter: Danny Dvir

10:15 AM - 11:35 AM

Challenging Cases: TAVR Complications II

Moderators: Markus Albert Kasel, Vivian G. Ng
Discussants: Omar K. Khalique

- 10:15 AM **TAVR in Bicuspid Valve: Learning the Hard Way**
Case Presenter: Nagendra Singh Chouhan
- 10:22 AM **Discussion**
- 10:25 AM **Avoiding Left Main Obstruction With Chimney Stenting During Transcatheter Aortic Valve Replacement Using Self Expanding Valve**
Case Presenter: Nobuyasu Ito
- 10:32 AM **Discussion**
- 10:35 AM **A Unique Experience: A Valve in Valve in Valve**
Case Presenter: Praveen Chandra
- 10:42 AM **Discussion**
- 10:45 AM **A Routine TAVR: The Importance of the Structural Bailout Skill Set**
Case Presenter: Saurabh Sanon
- 10:52 AM **Discussion**
- 10:55 AM **Aortic Leaflet Tear Obstructing Left Main Artery Post TAVR**
Case Presenter: Frances Wood
- 11:02 AM **Discussion**
- 11:05 AM **Swimming With Sharks**
Case Presenter: Prakash Balan
- 11:12 AM **Discussion**
- 11:15 AM **The Rock**
Case Presenter: Prakash Balan
- 11:22 AM **Discussion**
- 11:25 AM **TAVR With Sapien 3 for Very Large Annulus Complicated by Late Severe Paravalvular Leak and Treated With Late Balloon Post Dilation**

Case Presenter: amer sayed

11:32 AM **Discussion**

MY WILD AND CRAZY CASES

My Wild and Crazy Cases

THURSDAY, JUNE 13, 2019

8:15 AM - 9:45 AM

Chicago Ballroom VIII

8:15 AM - 9:45 AM

Session I

Moderators: Ariel Finkelstein, Bernard Prendergast
Discussants: G. Michael Deeb, Francesco Maisano, Didier Tchetché, Dee Dee Wang, Mathew Williams, David A. Wood

- 8:15 AM **Case 1. TAVR on a Non Beating Heart: The Importance of a Rescue Platform**
Case Presenter: David A. Wood
- 8:23 AM **Discussion**
- 8:27 AM **Case 2: Unwelcome and Unsettling but not Unsurvivable**
Case Presenter: Tamim M. Nazif
- 8:35 AM **Discussion**
- 8:39 AM **Case 3. There is a Need for 3 Valves for One**
Case Presenter: Francesco Maisano
- 8:47 AM **Discussion**
- 8:51 AM **Case 4. Between a Rock and the Valve Space**
Case Presenter: Bernard Prendergast
- 8:59 AM **Discussion**
- 9:03 AM **Case 5. It is Going to be Fast...**
Case Presenter: Didier Tchetché
- 9:11 AM **Discussion**
- 9:15 AM **Case 6: Whoops There It Is**
Case Presenter: Dee Dee Wang
- 9:23 AM **Discussion**
- 9:27 AM **Case 7. The Docking Balloon is Not Docking**
Case Presenter: Mathew Williams
- 9:35 AM **Discussion**
- 9:39 AM **Closing Remarks**

NEW TECHNOLOGY FORUM: TAVR I

New Technology Forum: TAVR I

THURSDAY, JUNE 13, 2019

8:15 AM - 11:50 AM

Sheraton Ballroom I-II

8:15 AM - 9:45 AM

TAVR Accessories, Part 1: Strokes and Cerebral Embolic Protection

Moderators: Alexandra J. Lansky, Axel Linke Discussants: Sammy Elmariah, Amar Krishnaswamy, Jeffrey W. Moses, David G. Rizik, Nicolas M. Van Mieghem, Jochen Wohrle

- 8:15 AM **Setting the Stage: Strokes After TAVR**
- 8:15 AM **Incidence Trends Risk Factors and Comparison With Surgery for Early Stroke After TAVR: Reports From PARTNER and the TVT Registry in High and Intermediate Risk Patients**
Lecturer: Samir R. Kapadia
- 8:25 AM **Stroke Outcomes in the Low Risk Randomized TAVR vs. Surgery Trials**
Lecturer: Samir R. Kapadia
- 8:39 AM **Discussion**
Lecturer: Samir R. Kapadia
- 8:45 AM **Cerebral Embolic Protection: Nice to Have or Need to Have**
- 8:45 AM **Comprehensive Review of the Sentinel Cerebral Embolic Protection Program**
Lecturer: Julia Seeger
- 8:55 AM **Cerebral Embolic Protection for TAVR With TriGuard 3: Updates From the REFLECT Clinical Trial**
Lecturer: Tamim M. Nazif
- 9:05 AM **FLASH OPINIONS Re: Cerebral Protection Clinical Use Patterns**
- 9:05 AM **Systematic In All Patients Whenever Possible**
Lecturer: Nicolas M. Van Mieghem
- 9:10 AM **Not Necessary Soft Data and Excessive Costs**
Lecturer: David W.M. Muller
- 9:15 AM **Selective Use Is There a Middle Ground**
Lecturer: Jeffrey W. Moses
- 9:20 AM **Rationalizing the Cost Effectiveness of Cerebral Protection During TAVR**
Lecturer: Hemal Gada
- 9:25 AM **Discussion**
- 9:35 AM **Status Updates on the Next Generation of Cerebral Protection Devices**
Lecturer: Giora Weisz
- 9:43 AM **Discussion**

9:45 AM - 11:22 AM

TAVR Accessories, Part 2: Vascular Access and Closure

Moderators: Isaac George, James M. McCabe Discussants: Keith B. Allen, Philippe Genereux, Amir Kaki, Michael J. Rinaldi, David A. Wood

- 9:45 AM **Transfemoral Access for TAVR Made Simple Tips and Tricks to Optimize Outcomes**
Lecturer: Michael J. Rinaldi
- 9:53 AM **When Transfemoral Access Isn't Available A Systematic Approach to Alternative Access for TAVR**
Lecturer: James M. McCabe

10:01 AM **When Transfemoral Access Is Problematic Facilitation With Intravascular Balloon Lithotripsy**

Lecturer: David A. Wood

10:09 AM **Discussion**

10:15 AM **Alternative Vascular Access for TAVR**

10:15 AM **Percutaneous Transaxillary TAVR: A Step by Step Tutorial**

Lecturer: James M. McCabe

10:23 AM **Suprasternal Direct Aortic Access Is a Useful Alternative for TAVR**

Lecturer: Isaac George

10:29 AM **Transcarotid Is My Preferred Alternative Access for TAVR**

Lecturer: Keith B. Allen

10:37 AM **The Rapid Emergence of Transcaval TAVR: Techniques and Clinical Outcomes**

Lecturer: Vinod H. Thourani

10:45 AM **Discussion**

10:52 AM **Large Bore Vessel Closure Management: Tips Tricks and Adjunctive Techniques**

Lecturer: Amir Kaki

11:00 AM **Large Hole Transfemoral Closure Devices**

11:00 AM **Large Hole Transfemoral Closure III: The PerQseal Device**

Lecturer: Jeffrey J. Popma

11:05 AM **Large Hole Transfemoral Closure I: The FDA Approved MANTA Device**

Lecturer: Nicolas M. Van Mieghem

11:12 AM **Discussion**

11:22 AM - 11:50 AM

TAVR Accessories, Part 3: Pacemakers and Valve Remodeling

Moderators: Tamim M. Nazif, Steven J. Yakubov Discussants: Colin M. Barker, David J. Cohen, Ariel Finkelstein, James M. McCabe, John G. Webb

11:22 AM **A New and Improved Temporary Transvenous Pacemaker Catheter: The BioTrace Tempo Lead**

Lecturer: Tamim M. Nazif

11:30 AM **A Novel Pre Shaped Pacing LV Guidewire for TAVR Procedures**

Lecturer: Mark Hensey

11:35 AM **Discussion**

11:37 AM **Clinical Experiences With Pi Cardia Leaflex Aortic Valve Remodeling: An Alternative to TAVR in Some Patients**

Lecturer: Martin B. Leon

11:45 AM **Discussion**

WORKSHOPS AND CLINICAL CONTROVERSIES: TAVR I

Workshops and Clinical Controversies: TAVR I

THURSDAY, JUNE 13, 2019

8:15 AM - 11:45 AM

Chicago Ballroom X

8:15 AM - 9:42 AM

Clinical Controversy: Management of Aortic Surgical Bioprosthetic Valve Failure

Moderators: Vinayak N. Bapat, Anson Cheung Discussants: Adnan K. Chhatriwalla, Danny Dvir, Gregory P. Fontana, James M. McCabe, Mark J. Russo, Robert L. Smith

- 8:15 AM **Lessons From the Global Aortic VIVID Registry: Optimizing Procedural Outcomes**
Lecturer: Danny Dvir
- 8:23 AM **Updates on SAPIEN Balloon Expandable VIV**
Lecturer: John G. Webb
- 8:31 AM **Updates From the CoreValve and EVOLUT R Aortic VIV Registries**
Lecturer: Jeffrey J. Popma
- 8:39 AM **A Tutorial on Surgical Bioprosthesis Design: Impact on VIV Therapy**
Lecturer: Vinayak N. Bapat
- 8:47 AM **Controversies Around PPM: Its Estimation and When Does it Matter**
Lecturer: Philippe Pibarot
- 8:55 AM **Cracking Fracturing and Fracking Bioprosthetic Valves**
Lecturer: Adnan K. Chhatriwalla
- 9:03 AM **How to Screen for Risk of Coronary Obstruction Risk on CT Prior to Aortic Valve in Valve Procedures**
Lecturer: Philipp Blanke
- 9:11 AM **Splitting Leaflets. BASILICA to Reduce the Risk of Coronary Obstruction During VIV and Other TAVR Procedures**
Lecturer: Danny Dvir
- 9:19 AM **Do We Need a Randomized Trial of VIV vs. Redo SAVR for Failed Bioprosthetic Surgical Valves The REPEAT Trial**
Lecturer: Vinayak N. Bapat
- 9:27 AM **Panel Discussion**

9:42 AM - 10:27 AM

Clinical Controversy: Thrombosis of Transcatheter Valves — What Do We Know? What Do We Do?

Moderators: Azeem Latib, Raj Makkar Discussants: Mohamed Abdel-Wahab, Danny Dvir, Paul A. Grayburn, Hasan Jilaihawi

- 9:42 AM **Leaflet Thrombosis in Bioprosthetic Aortic Valves Prevalence Clinical Consequences**
Lecturer: Anna Sannino
- 9:52 AM **CT in the Setting of Suspected Bioprosthetic Valve Thrombosis**
Lecturer: Philipp Blanke
- 10:02 AM **Prevention and Management of Bioprosthetic Valve Thrombosis**
Lecturer: Raj Makkar
- 10:12 AM **Panel Discussion**

10:27 AM - 11:45 AM

Clinical Controversy: What Will We Do When Transcatheter Valves Fail?

Moderators: Danny Dvir, Nicolo Piazza Discussants: Mohamed Abdel-Wahab, Adnan K. Chhatriwalla, Gregory P. Fontana, Azeem Latib, Janarthanan Sathanathan

- 10:27 AM **Durability of Transcatheter Valves: How Do We Define It and What Do We Know**
Lecturer: Danny Dvir

10:37 AM **Discussion**
10:42 AM **Redo TAVR: What Is the Experience**

Lecturer: Danny Dvir

10:52 AM **Discussion**
10:57 AM **Coronary Access and Coronary Obstruction: The Achilles Heel of Redo TAVR**
Lecturer: Gilbert H.L. Tang

11:07 AM **Discussion**
11:12 AM **The Russian Doll Approach to Redo TAVR: Is It That Simple Lessons From In Vitro and Real Life**
Lecturer: Janarthanan Sathanathan

11:22 AM **Discussion**
11:27 AM **Surgery After Failed TAVR: What Does Redo Surgery Look Like in 10 Years A New Iatrogenic Disease**
Lecturer: Vinayak N. Bapat

11:37 AM **Discussion**

JTVT JOINT SESSION

JTVT Joint Session

THURSDAY, JUNE 13, 2019

10:00 AM - 12:00 PM

Chicago Ballroom VIII

10:00 AM - 12:00 PM

JTVT Joint Session

Moderators: Tsuyoshi Kaneko, Yoshiki Sawa, Vinod H. Thourani Discussants: Ori Ben-Yehuda, Kentaro Hayashida, Howard C. Herrmann, David R. Holmes Jr., Shigeru Saito, Kazuo Shimamura, Morimasa Takayama

- 10:00 AM **Origins and Current Status of the Japan TVT Registry**
Lecturer: Shigeru Saito
- 10:06 AM **The Concept of a US TVT Registry: How and Why Did It All Begin**
Lecturer: David R. Holmes Jr.
- 10:12 AM **Rationale Challenges and Goals of a Collaboration Between the US and Japan TVT Registries**
Lecturer: Vinod H. Thourani
- 10:18 AM **Discussion**
- 10:22 AM **Exciting New Data From the TVT Registries**
 - 10:22 AM **United States**
Lecturer: Saif Anwaruddin
 - 10:30 AM **Japan**
Lecturer: Morimasa Takayama

- 10:38 AM **Discussion**
Lecturer: Morimasa Takayama
- 10:42 AM **Best Clinical Practices From the TVT Registries**
- 10:42 AM **Japan Optimizing Outcomes and Achieving Low Mortality**
Lecturer: Kazuo Shimamura
- 10:50 AM **United States Setting the Bar for Optimal Clinical Outcomes**
Lecturer: Tsuyoshi Kaneko
- 10:58 AM **Discussion**
Lecturer: Tsuyoshi Kaneko
- 11:02 AM **The Future of International Collaborations: Should We Create a True International Registry for Universal Standardization**
Lecturer: Michael J. Mack
- 11:12 AM **Discussion**
- 11:17 AM **The Small Annulus Workshop**
- 11:17 AM **The Japanese TAVR Experience With Small Aortic Annulus and Patient Prosthesis Mismatch**
Lecturer: Shigeru Saito
- 11:25 AM **Clinical Results and Procedural Considerations for Treating Small Aortic Annulus With TAVR**
Lecturer: Susheel K. Kodali
- 11:33 AM **A Comprehensive Analysis of Patient Prosthesis Mismatch from the TVT Registry: Clinical Implications**
Lecturer: Howard C. Herrmann
- 11:41 AM **Discussion**
Lecturer: Howard C. Herrmann
- 11:45 AM **How Should I Treat These Two Patients With a Small Aortic Annulus**
Lecturer: Howard C. Herrmann

- 2:07 PM **Discussion**
Case Presenter: Saeed R. Shaikh
- 2:10 PM **Mitral Valve Injury During Mitral Clip Implantation in a Patient Without Surgical Bailout: Will Knowing Your Closing Hole Gadgets Help and for How Long**
Case Presenter: Giselle Baquero
- 2:17 PM **Discussion**
Case Presenter: Giselle Baquero
- 2:20 PM **Im Fixin a Hole Where the Heme Gets In**
Case Presenter: Manaf Assafin
- 2:27 PM **Discussion**
Case Presenter: Manaf Assafin
- 2:30 PM **Transcatheter Mitral Valve Replacement With the SAPIEN M3 system**
Case Presenter: Mark Hensey
- 2:37 PM **Discussion**
Case Presenter: Mark Hensey
- 2:40 PM **MitraClip in a Case of Ring Dehiscence**
Case Presenter: Elvis Cami
- 2:47 PM **Discussion**
Case Presenter: Elvis Cami
- 2:50 PM **Left Atrial Dissection During Transcatheter Mitral Valve Repair**
Case Presenter: Justin Vandermolen
- 2:57 PM **Discussion**
Case Presenter: Justin Vandermolen
- 3:00 PM **Recurrent Mitral Regurgitation Post Transcatheter Mitral Valve Repair**
Case Presenter: Justin Strote
- 3:07 PM **Discussion**
Case Presenter: Justin Strote

- 3:10 PM **Case Based Tutorials**
- 3:10 PM **Pre Emptive Alcohol Ablation to Reduce the Risk of TMVR Induced LVOTO**
Case Presenter: Dee Dee Wang
- 3:18 PM **Discussion**
Case Presenter: Dee Dee Wang
- 3:20 PM **Managing a MitraClip Patient After a Poor Result or Recurrent MR**
Case Presenter: Ramon Quesada
- 3:28 PM **Discussion**
Case Presenter: Ramon Quesada
- 3:30 PM **MitraClip in FMR**
Case Presenter: Saibal Kar
- 3:38 PM **Discussion**
Case Presenter: Saibal Kar

3:40 PM - 5:20 PM
Challenging Cases: LAA, PFO, and Other

CASE-BASED TUTORIALS AND CHALLENGING CASES: MITRAL I AND LAA/PFO AND OTHER

Case-Based Tutorials and Challenging Cases: Mitral I and LAA/PFO and Other

THURSDAY, JUNE 13, 2019

2:00 PM - 5:20 PM

Chicago Ballroom IX

2:00 PM - 3:40 PM

Mitral I

Moderators: Hüseyin Ince/Discussants: Anson Cheung, Fabien Praz

2:00 PM **Challenging Cases: Mitral I**

2:00 PM **Combined Valve in Valve TAVR and Valve in MAC TMVR**

Case Presenter: Saeed R. Shaikh

- 3:40 PM **Challenging Cases: LAAPFO and Other**
- 3:40 PM **Percutaneous Closure of an Acquired Aortic Left Atrial Fistula**
Case Presenter: Daniel Feldman
- 3:47 PM **Discussion**
Case Presenter: Daniel Feldman
- 3:50 PM **Treatment of Severe Pulmonary Insufficiency in a Patient With Tetralogy of Fallot and Left Pulmonary Artery Stenosis With an Edwards Sapien3 Valve**
Case Presenter: Abdulrahman Dia
- 3:57 PM **Discussion**
Case Presenter: Abdulrahman Dia
- 4:00 PM **Successful Emergent Percutaneous Closure of a Left Ventricular Assist Device Outflow Graft: Plugging the Way to Death as a Bridge to Pump Exchange**
Case Presenter: Giselle Baquero
- 4:07 PM **Discussion**
Case Presenter: Giselle Baquero
- 4:10 PM **Endovascular Repair of Left Ventricular Assist Device Outflow Tract Kink**
Case Presenter: Rohit Vyas
- 4:17 PM **Discussion**
Case Presenter: Rohit Vyas
- 4:20 PM **Percutaneous Closure of Acquired Gerbode Defect With an Amplatzer VSD Closure Device With Subsequent Hemolysis Requiring Complex Coiling of the Device**
Case Presenter: Salman M. Azam
- 4:27 PM **Discussion**
Case Presenter: Salman M. Azam
- 4:30 PM **Detection of Long Term Post Operative Complications of the Cabrol Surgical Technique**
Case Presenter: Shazil Mahmood
- 4:37 PM **Discussion**
Case Presenter: Shazil Mahmood
- 4:40 PM **Late Atrial Thrombus Formation Post Patent Foramen Ovale PFO Closure With An Occluding Device**
Case Presenter: Manjari Regmi
- 4:47 PM **Discussion**
Case Presenter: Manjari Regmi
- 4:50 PM **Dont Stop The Warfarin: A Case of Left Atrial Appendage Closure Device Thrombus**
Case Presenter: Siri Kadire
- 4:57 PM **Discussion**
Case Presenter: Siri Kadire
- 5:00 PM **Complex Dual ASD Closure Using Modified Sandwich Technique**
Case Presenter: Riyad Kherallah

- 5:07 PM **Discussion**
Case Presenter: Riyad Kherallah
- 5:10 PM **Transcatheter Ventricular Septal Rupture Repair**
Case Presenter: Ramandeep Mand
- 5:17 PM **Discussion**
Case Presenter: Ramandeep Mand

LAA OCCLUSION AND PFO CLOSURE I

LAA Occlusion and PFO Closure I

THURSDAY, JUNE 13, 2019

2:00 PM - 5:30 PM
Chicago Ballroom VIII

2:00 PM - 3:00 PM

Session I: LAA Occlusion Indications and Imaging

Moderators: G. Burkhard Mackensen, Matthew J. Price
Discussants: Jeroen J. Bax, Ori Ben-Yehuda, Linda D. Gillam, Jacqueline Saw, Dee Dee Wang

2:00 PM **Critical Appraisal of the Advantages and Limitations of Warfarin NOACs and Ablation in Patients With Non Valvular Atrial Fibrillation**
Lecturer: Ori Ben-Yehuda

2:10 PM **Discussion**

2:15 PM **Indications for LAA Closure: Defining Relative Contraindications to Anticoagulation**
Lecturer: David R. Holmes Jr.

2:25 PM **Discussion**

2:30 PM **TEE Imaging Essentials for LAA Closure Evaluation and Procedural Guidance**
Lecturer: Omar K. Khaliq

2:40 PM **Discussion**

2:45 PM **Beyond TEE Imaging for LAA Occlusion: CT Planning and ICE Guidance**
Lecturer: Dee Dee Wang

2:55 PM **Discussion**

3:00 PM - 4:15 PM

Session II: LAA Occlusion Devices and Technique

Moderators: Mark Reisman, Gregg W. Stone
Discussants: James B. Hermiller Jr, David R. Holmes Jr., Reda Ibrahim, Saibal Kar, Jacqueline Saw

3:00 PM **The Spectrum of LAA Occlusion Devices: Similarities and Differences How to Choose**
Lecturer: Horst Sievert

3:10 PM **Discussion**

3:15 PM **Watchman I: Device Evolution Patient Selection and Tips and Tricks**
Lecturer: Saibal Kar

3:25 PM **Discussion**

- 3:30 PM **Watchman II: Core Data Synthesis and Ongoing Studies**
Lecturer: David R. Holmes Jr.
- 3:40 PM **Discussion**
- 3:45 PM **Watchman III: A Complex Case Step by Step**
Case Presenter: William A. Gray
- 3:55 PM **Discussion**
- 4:00 PM **Amulet I: Device Evolution Patient Selection and Tips and Tricks**
Lecturer: Reda Ibrahim
- 4:10 PM **Discussion**

4:15 PM - 5:30 PM

Session III: LAA Occlusion Special Considerations

Moderators: David R. Holmes Jr., Saibal Kar
Discussants: Samir R. Kapadia, Amar Krishnaswamy, Brij Maini, Jacqueline Saw, Brian K. Whisenant

- 4:15 PM **Echocardiographic Surveillance and Antithrombotic Therapy After LAA Closure**
Lecturer: Jacqueline Saw
- 4:25 PM **Discussion**
- 4:30 PM **LAA Occlusion Plus: MitraClip TAVR PCI and More**
Lecturer: Samir R. Kapadia
- 4:40 PM **Discussion**
- 4:45 PM **Role of the Left Atrial Appendage in Atrial Arrhythmias and the AMAZE Trial**
Lecturer: Steven J. Yakubov
- 4:55 PM **Discussion**
- 5:00 PM **LAA Occlusion Complications I: If It Can Happen It Will With Case Examples**
Lecturer: Saibal Kar
- 5:10 PM **Discussion**
- 5:15 PM **LAA Occlusion Complications II: If It Can Happen It Will With Case Examples**
Lecturer: Brian K. Whisenant
- 5:25 PM **Discussion**

NEW TECHNOLOGY FORUM: TAVR II

New Technology Forum: TAVR II

THURSDAY, JUNE 13, 2019

2:00 PM - 6:18 PM

Sheraton Ballroom I-II

2:00 PM - 3:30 PM

TAVR Systems, Part 1: Most Frequently Used TAVR Systems

Moderators: Martin B. Leon, James M. McCabe
Discussants: Adnan K. Chhatrwalla, G. Michael Deeb, John K. Forrest, Katherine Harrington, Axel Linke, Mark J. Russo

- 2:00 PM **Program Update: The Evolut RPRO TAVR System**
- 2:00 PM **Advanced Design Features and Future Vision**
Lecturer: Jeffrey J. Popma
- 2:05 PM **Imaging Implantation Tips and Tricks**
Lecturer: Nicolo Piazza
- 2:10 PM **Latest Clinical Data in Bicuspid Disease**
Lecturer: John K. Forrest
- 2:15 PM **3 Illustrative Cases Optimal Valve Sizing Reducing New Pacemakers and Coronary Access Issues A Case Based Discussion**
Case Presenters: Stanley J. Chetcuti
Expert Commentators: Hemal Gada, Nicolo Piazza, Mathew Williams
- 2:25 PM **Discussion**
Case Presenters: Stanley J. Chetcuti
Expert Commentators: Hemal Gada, Nicolo Piazza, Mathew Williams

2:30 PM **Program Update: The SAPIEN 3 and ULTRA TAVR System**

- 2:30 PM **Advanced Design Features Implantation Tips and Tricks and Future Vision**
Lecturer: John G. Webb
- 2:40 PM **Preliminary Data on Hemodynamic Outcomes After Sapien ULTRA**
Lecturer: Rebecca T. Hahn

- 2:45 PM **3 Illustrative Cases Optimal Valve Sizing Managing Severe AVLVOT Calcification and Coronary Access Issues A Case Based Discussion**
Case Presenters: Tamim M. Nazif
Expert Commentators: James M. McCabe, Mark J. Russo, David A. Wood

- 2:55 PM **Discussion**
Case Presenters: Tamim M. Nazif
Expert Commentators: James M. McCabe, Mark J. Russo, David A. Wood
- 3:00 PM **Program Update: The LOTUS EDGE TAVR System**
- 3:00 PM **Advanced Design Features Implantation Tips and Tricks and Future Vision**
Lecturer: Didier Tchetché
- 3:10 PM **Clinical Trial Updates**
Lecturer: Christopher U. Meduri
- 3:15 PM **3 Illustrative Cases Optimal Valve Sizing Reducing New Pacemakers and Calcified Bicuspid Disease A Case Based Discussion**
Case Presenters: Christopher U. Meduri
Expert Commentators: Axel Linke, Nicolas M. Van Mieghem
- 3:25 PM **Discussion**
Case Presenters: Christopher U. Meduri
Expert Commentators: Axel Linke, Nicolas M. Van Mieghem

3:30 PM - 5:30 PM

TAVR Systems, Part 2: Next-Comer and New-Comer TAVR Systems

Moderators: Gregory P. Fontana, Mathew Williams
Discussants: Alexandre Abizaid, Hasan Jilaihawi, Markus Albert Kasel, Raj Makkar, Helge Möllmann, Jochen Wohrle

- 3:30 PM **Program Update: The PORTICO TAVR System**
- 3:30 PM **Design Characteristics Clinical Data and Future Vision**
Lecturer: Gregory P. Fontana

- 3:40 PM **2 Illustrative Cases A Case Based Discussion**
Case Presenters: Helge MöllmannExpert
Commentators: Raj Makkar, Maurizio Taramasso
- 3:47 PM **Discussion**
Case Presenters: Helge MöllmannExpert
Commentators: Raj Makkar, Maurizio Taramasso
- 3:50 PM **Program Update: The ACURATE NEO TAVR System**
- 3:50 PM **Design Characteristics Clinical Data and Future Vision**
Lecturer: Helge Möllmann
- 4:00 PM **2 Illustrative Cases A Case Based Discussion**
Case Presenters: Helge MöllmannExpert
Commentators: Alexandre Abizaid, Raj Makkar
- 4:07 PM **Discussion**
Case Presenters: Helge MöllmannExpert
Commentators: Alexandre Abizaid, Raj Makkar
- 4:10 PM **Program Update: The Venus A Valve and Venibri TAVR Systems**
- 4:10 PM **Better for Bicuspid and Dry Leaflet Technology**
Lecturer: Horst Sievert
- 4:20 PM **2 Illustrative Cases A Case Based Discussion**
Case Presenters: Mao ChenExpert
Commentators: Hasan Jilaihawi
- 4:27 PM **Discussion**
Case Presenters: Mao ChenExpert
Commentators: Hasan Jilaihawi
- 4:30 PM **Program Update: The Transfemoral JenaValve TAVR System**
- 4:30 PM **The Anatomically Correct JenaValve TAVR System Best for Pure AR and Low Coronaries EFS Results**
Lecturer: Torsten P. Vahl
- 4:40 PM **2 Illustrative Cases A Case Based Discussion**
Case Presenters: Raj MakkarExpert
Commentators: Hasan Jilaihawi, Vinod H. Thourani
- 4:47 PM **Discussion**
Case Presenters: Raj MakkarExpert
Commentators: Hasan Jilaihawi, Vinod H. Thourani
- 4:50 PM **Program Update: The Self Expanding Single Operator CENTERA TAVR System**
- 4:50 PM **Technology Description Clinical Data and Plans for the US Pivotal Trial**
Lecturer: Martin B. Leon
- 4:58 PM **Illustrative Cases**
Case Presenters: Markus Albert KaselExpert
Commentators: Molly Szerlip, Didier Tchetché
- 5:03 PM **Discussion**
Case Presenters: Markus Albert KaselExpert
Commentators: Molly Szerlip, Didier Tchetché
- 5:05 PM **Program Update: The Repositionable and Retrievable HLT Meridian TAVR System**
- 5:05 PM **Technology Description and Clinical Data**
Lecturer: Mathew Williams
- 5:13 PM **Illustrative Cases**
Case Presenters: Axel LinkeExpert
Commentators: Mathew Williams

- 5:18 PM **Discussion**
Case Presenters: Axel LinkeExpert
Commentators: Mathew Williams

- 5:20 PM **Program Update: The Transfemoral Self Expanding J Valve TAVR System**
- 5:20 PM **Technology Description**
Lecturer: Jian Ye
- 5:26 PM **Illustrative Cases**
Case Presenter: Michael J. Reardon

5:30 PM - 6:18 PM

TAVR Systems, Part 3: Choosing the 'Best' Transcatheter Bioprosthesis System for Your Patient – Case Management Strategies

Moderators: John K. Forrest, Howard C. HerrmannDiscussants: Saif Anwaruddin, Colin M. Barker, James M. McCabe, Christopher U. Meduri, David G. Rizik, Nicolas M. Van MieghemPanelists: Tamim M. Nazif, Vivian G. Ng, Amisha Patel, Torsten P. Vahl

- 5:30 PM **Cases: AS With Severe LVOT Calcium Small Annulus Narrow Sinuses and Low Coronaries Complex Coronary Disease No Femoral Access Transcatheter Bioprosthetic Valve Failure TAV in TAV and Severe AR Poor Surgical Candidate**
Case Presenter: Torsten P. Vahl

WORKSHOPS AND CLINICAL CONTROVERSIES: TAVR II

Workshops and Clinical Controversies: TAVR II

THURSDAY, JUNE 13, 2019

2:00 PM - 4:45 PM

Chicago Ballroom X

2:00 PM - 3:00 PM

Clinical Controversy: Low-Flow AS, Bicuspid Valves, Regurgitant Valves. Different, but Does it Matter?

Moderators: Hasan Jilaihawi, Michael J. MackDiscussants: Amr E. Abbas, Chris Malaisrie, Basel Ramlawi, Bruce J. Rutkin, Molly Szerlip, Gerard Wilkins

- 2:00 PM **A Clinical Algorithm for Diagnosing and Managing Patients With Low Flow Low Gradient Aortic Stenosis**
Lecturer: Howard C. Herrmann
- 2:10 PM **Treating Bicuspid Valves With Current Transcatheter Valve Platforms**
Lecturer: Didier Tchetché
- 2:18 PM **CT Assessment for Bicuspid Valve TAVR. Annular or Supra Annular Sizing Coronary Access TAVR Repeatability**
Lecturer: Philipp Blanke
- 2:26 PM **The Next TAVR vs. SAVR Randomized Trial Should Be in Patients With Bicuspid Aortic Valves**
Lecturer: Raj Makkar
- 2:34 PM **Case: JenaValve for Pure Aortic Regurgitation**
Case Presenter: Torsten P. Vahl
- 2:39 PM **Case: J Valve for Pure Aortic Regurgitation**
Case Presenter: Jian Ye
- 2:44 PM **Treating AR With Current Transcatheter Valve Platforms**
Lecturer: David W.M. Muller

2:52 PM Discussion

3:00 PM - 3:45 PM

Clinical Controversy: Heart Block Before and After TAVR (LBBB, RBBB, and Pacemakers)

Moderators: Tamim M. Nazif, Josep Rodés-Cabau Discussants: Mohamed Abdel-Wahab, Tarun Chakravarty, Amisha Patel, Anu Tunuguntla

3:00 PM **Pacemakers After TAVR: Patient Device Procedural Factors. Do They Matter**

Lecturer: Josep Rodés-Cabau

3:10 PM Discussion

3:15 PM **New Conduction Abnormalities Especially LBBB After TAVR. Do They Matter**

Lecturer: Tamim M. Nazif

3:25 PM Discussion

3:30 PM **Conduction Block After TAVR: Do I Discharge Early Monitor Invasively Investigate or Pace**

Lecturer: David A. Wood

3:40 PM Discussion

3:45 PM - 4:45 PM

Clinical Controversies: Moving Beyond Surgical Risk as the Determinant of Eligibility for TAVR

Moderators: Michael J. Mack, John G. Webb Discussants: Megan Coylewright, G. Michael Deeb, Howard C. Herrmann, Axel Linke, Jeffrey J. Popma, Mark J. Russo

3:45 PM **Comparing the Low Risk Trials PARTNER 3 and Medtronic Low Risk**

Lecturer: Martin B. Leon

3:55 PM Discussion

4:00 PM **Does Surgical Risk Still Matter When Evaluating for TAVR**

Lecturer: Michael J. Reardon

4:10 PM Discussion

4:15 PM **What Dont We Know About TAVR Coronary Access Heart Block Thrombosis Durability Repeatability Does it Matter**

Lecturer: John G. Webb

4:25 PM Discussion

4:30 PM **Which Patients Should Still Have Surgical AVR Who Are Poor Candidates for TAVR**

Lecturer: Michael J. Reardon

4:40 PM Discussion

8:00 AM - 9:30 AM

Mitral I

Moderators: Maurice E. Sarano Discussants: Sameer Gafoor, Fabien Praz

8:00 AM **Increased Mitral Valve Tenting Is Associated With Better Outcomes With Carillon Indirect Annuloplasty Not Worse**

Lecturer: Steven Goldberg

8:10 AM Discussion

8:15 AM **Value of 3D Printing in Paravalvular Leaks Closure**

Lecturer: Vlad Ciobotaru

8:25 AM Discussion

8:30 AM **Clinical Determinants of Survival Among Patients Undergoing Transcatheter Mitral Valve Repair**

Lecturer: Matthew S. Miller

8:40 AM Discussion

8:45 AM **Three Dimensional Mitral Valve Area in Patients With Mitral Annular Calcification**

Lecturer: Aashish Gupta

8:55 AM Discussion

9:00 AM **Percutaneous Transeptal Mitral Valve Implantation in Failed Bioprosthetic Valves Without Fluoroscopic Landmarks**

Lecturer: Pedro Nicz

9:10 AM Discussion

9:15 AM **Transseptal Mitral Valve Replacement With a New Supra Annular Valve in a Beating Human Cadaver Heart Biosimulator**

Lecturer: Yanping Cheng

9:25 AM Discussion

9:30 AM - 11:15 AM

TAVR — New Devices

Moderators: John K. Forrest Discussants: Mark J. Goodwin, Nadira Hamid

9:30 AM **30 Day Outcomes From an Early Feasibility Study to Assess the Safety and Effectiveness of a Novel Transfemoral TAVR System for the Treatment of Patients With Symptomatic Severe Aortic Regurgitation AR**

Lecturer: Vinod H. Thourani

9:40 AM Discussion

9:45 AM **Initial Experience With the JenaValve Transfemoral TAVR System in Patients With Severe Aortic Stenosis and Risk for Coronary Occlusion**

Lecturer: Torsten P. Vahl

9:55 AM Discussion

10:00 AM **OPTIMUM TAV First In Human Results**

Lecturer: Mathew Williams

10:10 AM Discussion

10:15 AM **Transcatheter Aortic Valve Replacement With the ACURATE Neo2 Valve System: 1 Year Clinical and Hemodynamic Outcomes**

MODERATED POSTER SESSIONS: MITRAL I AND TAVR NEW DEVICES - STATION 1

Moderated Poster Sessions: Mitral I and TAVR New Devices - Station 1

THURSDAY, JUNE 13, 2019

8:00 AM - 11:15 AM

Station 1, Ballroom Promenade, 4th Floor

Lecturer: Helge Möllmann

- 10:25 AM Discussion
10:30 AM **Pachyderm Shape Guiding Catheters to Simplify BASILICA Leaflet Traversal**
Lecturer: John Cyril Lisko
- 10:40 AM Discussion
10:45 AM **Usefulness of Redesigned Inoue Balloon in Patients With Self Expanding Transcatheter Valve for Aortic Stenosis: A 30 Patient Case Series**
Lecturer: Mike Saji
- 10:55 AM Discussion
11:00 AM **Safety Feasibility and Acute Performance of the Leaflex Performer When Used Pre TAVI in Aortic Stenosis Patients The Leaflex Performer Feasibility Study**
Lecturer: Axel Linke
- 11:10 AM Discussion

Lecturer: Gilbert H.L. Tang

- 9:10 AM Discussion
- 9:15 AM - 11:15 AM
TAVR Clinical Topics II
Moderator: Brian R. Lindman, Ramon Quesada
- 9:15 AM **Outcomes of Transcatheter Aortic Valve Replacement TAVR for Mixed Aortic Valve Disease: Results From the TVT Registry**
Lecturer: Bhaskar Bhardwaj
- 9:25 AM Discussion
9:30 AM **Transcatheter Aortic Valve in Valve in Patients With Previous Homograft**
Lecturer: Karim Al-Azizi
- 9:40 AM Discussion
9:45 AM **Diabetes Mellitus: Is There a True Paradoxical Clinical Outcome After AVR**
Lecturer: Rashad Belin
- 9:55 AM Discussion
10:00 AM **Feasibility of Repeat Transcatheter Aortic Valve Replacement TAVR After Sapien 3 TAVR TAV in TAV: A Pilot Angiographic Study**
Lecturer: Gilbert H.L. Tang
- 10:10 AM Discussion
10:15 AM **Acute Kidney Injury After Transcatheter Aortic Valve Replacement Is a Strong Predictor of Intermediate but Not Long Term Mortality: Observations From Michigan Transcatheter Aortic Valve Replacement MITAVR Registry**
Lecturer: Sarah Gualano
- 10:25 AM Discussion
10:30 AM **Secondary Curve on TAVR Delivery Wire Effects on Outcomes in Patients With Severe Aortic Root Angles**
Lecturer: Philip Carson
- 10:40 AM Discussion
10:45 AM **Occurrence of Left Ventricular Reverse Remodeling After Transcatheter Aortic Valve Replacement: Analysis of a Brazilian Cohort**
Lecturer: Fabiula Azevedo
- 10:55 AM Discussion
11:00 AM **Meta Analysis of 1 Year Outcomes of Transcatheter vs. Surgical Aortic Valve Replacement in Low Risk Patients With Severe Aortic Stenosis**
Lecturer: Aaqib H Malik
- 11:10 AM Discussion

MODERATED POSTER SESSIONS: TAVR CLINICAL TOPICS I & II - STATION 2

Moderated Poster Sessions: TAVR Clinical Topics I & II - Station 2

THURSDAY, JUNE 13, 2019

8:00 AM - 11:15 AM

Station 2, Ballroom Promenade, 4th Floor

8:00 AM - 9:15 AM

TAVR Clinical Topics I

Moderators: Tsuyoshi Kaneko, Markus Albert Kasel Discussants: Vivian G. Ng

- 8:00 AM **Adverse Clinical Outcomes Among Patients Undergoing Both PCI and TAVR: A Multicenter Analysis**
Lecturer: Arnav Kumar
- 8:10 AM Discussion
8:15 AM **Transcatheter Aortic Valve Replacement Using the CoreValve Prosthesis for the Treatment of Severe Aortic Regurgitation: A Single Center Learning Curve Over 6 Years**
Lecturer: Giselle Baquero
- 8:25 AM Discussion
8:30 AM **Functional Status After Transcatheter and Surgical Aortic Valve Replacement: A 2 Year Analysis From the SURTAVI Trial**
Lecturer: Mark Tuttle
- 8:40 AM Discussion
8:45 AM **Impact of Chronic Thrombocytopenia on In Hospital Outcomes After Transcatheter Aortic Valve Replacement**
Lecturer: Setri Fugar
- 8:55 AM Discussion
9:00 AM **Impact of Initial Evolut TAVR Deployment Orientation on Final Valve Orientation and Coronary Reaccess: A Pilot Study**

MODERATED POSTER SESSIONS: MITRAL II & LATE-BREAKING SCIENCE - STATION 2

Moderated Poster Sessions: Mitral II & Late-Breaking Science - Station 2

THURSDAY, JUNE 13, 2019

2:00 PM - 5:45 PM

Station 2, Ballroom Promenade, 4th Floor

2:00 PM - 4:15 PM

Mitral II

Moderators: Ramon Quesada, Maurice E. Sarano Discussants: Sameer Gafoor

- 2:00 PM **Outcomes Following Urgent/Emergent Percutaneous Mitral Valve Repair Using MitraClip Device: A Single Center Experience**
Lecturer: Sahil Khera
- 2:10 PM **Discussion**
- 2:15 PM **Treatment of Functional Mitral Regurgitation by Hybrid Left Ventricular Reconstruction: Preliminary Proof of Principle**
Lecturer: Patrick Klein
- 2:25 PM **Discussion**
- 2:30 PM **Mitral Butterfly: Evaluation of a Novel Device in Porcine and Human Hearts**
Lecturer: Johanna Ticar
- 2:40 PM **Discussion**
- 2:45 PM **The Role of Left Atrial Compliance in the Hemodynamic Color Disconnect in Patients Undergoing MitraClip: Results From a Single Center Registry.**
Lecturer: Lily Chen
- 2:55 PM **Discussion**
- 3:00 PM **A Systematic Approach to Quantifying and Categorizing Mitral Annular Calcification in the Era of TMVR**
Lecturer: Sophia Alexis
- 3:10 PM **Discussion**
- 3:15 PM **Mitral Valve Clinic: Implementation of Multidisciplinary Team Approach to the Management of Patients With Mitral Valve Disease**
Lecturer: Mohanad Hamandi
- 3:25 PM **Discussion**
- 3:30 PM **Distribution of Effective Regurgitant Orifice Area and Regurgitant Volume Compared to Left Ventricular End Diastolic Volume in a Cohort of Patients With Secondary Mitral Regurgitation**
Lecturer: Anna Sannino
- 3:40 PM **Discussion**
- 3:45 PM **6 Month Outcomes from the Multicenter Prospective Study With the Novel PASCAL Transcatheter Mitral Repair System for Patients With Mitral Regurgitation**
Lecturer: Scott Lim
- 3:55 PM **Discussion**
- 4:00 PM **Pericardial Effusion After Left Atrial Appendage Closure: Lessons Learned From the MAUDE Database**
Lecturer: Christopher Sossou
- 4:10 PM **Discussion**

4:15 PM - 5:45 PM

Late-Breaking Science

Moderators: Ori Ben-Yehuda, Giora Weisz Discussants: Tsuyoshi Kaneko, Dee Dee Wang

- 4:15 PM **Validation of Pre Procedural Neo LVOT Estimate on Cardiac CT Prior to Mitral Valve in Valve: An Analysis From the MITRAL Trial**

Lecturer: Amit Pursnani

- 4:25 PM **Discussion**
- 4:30 PM **360 Degree Virtual Reality Consultation for the Structural Heart Disease Patient**
Lecturer: Jorge Castellanos
- 4:40 PM **Discussion**
- 4:45 PM **Transcatheter Versus Surgical Aortic Valve Replacement in Low Risk Patients: A Meta Analysis of Randomized Controlled Trials**
Lecturer: Dhaval Kolte
- 4:55 PM **Discussion**
- 5:00 PM **Validation of Neo LVOT Prediction Modeling for Left Ventricular Outflow Tract Obstruction After Transcatheter Mitral Valve in MAC and Valve in Ring: Analysis From MITRAL Trial Pre and Post Procedural CT Insights**
Lecturer: Dee Dee Wang
- 5:10 PM **Discussion**
- 5:15 PM **1 Year Echocardiographic Findings After Transcatheter Mitral Valve in Valve Valve in Ring and Valve in Mitral Annular Calcification: Results From the MITRAL Trial**
Lecturer: Dee Dee Wang
- 5:25 PM **Discussion**
- 5:30 PM **Fully Absorbable Patch Based Large Hole Vascular Closure Device**
Lecturer: Jeffrey J. Popma
- 5:40 PM **Discussion**

INNOVATE LAAC INTERVENTION WITH ADVANCED IMAGING (SPONSORED BY SIEMENS HEALTHINEERS)

Innovate LAAC Intervention With Advanced Imaging (Sponsored by Siemens Healthineers)

THURSDAY, JUNE 13, 2019

6:30 AM - 7:45 AM

Chicago Ballroom IX

6:30 AM - 6:45 AM

Check-in & breakfast

6:45 AM - 7:45 AM

Innovate LAAC Intervention With Advanced Imaging

Faculty: Sachin Goel, Chad Kliger Chairs: Scott Lim

- 6:45 AM **Introduction**
- 6:50 AM **Benefits of Fusion Imaging for LAAC**
Presenter: Sachin Goel
- 7:05 AM **Benefits of Multimodality Fusion Imaging for Guidance**
Presenter: Chad Kliger
- 7:20 AM **The Future of 3D Volume ICE for LAAC**
Presenter: Scott Lim

7:35 AM QA
7:45 AM Adjourn

TRANSCATHETER TECHNOLOGIES FOR THE TREATMENT OF AORTIC REGURGITATION: DISRUPTIVE APPROACH TO AN UNDERSERVED PATIENT POPULATION (SPONSORED BY JENAVALVE TECHNOLOGY, INC.)

Transcatheter Technologies for the Treatment of Aortic Regurgitation: Disruptive Approach to an Underserved Patient Population (Sponsored by JenaValve Technology, Inc.)

THURSDAY, JUNE 13, 2019

6:30 AM - 7:45 AM
Chicago Ballroom VIII

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

6:45 AM - 7:45 AM

Transcatheter Technologies for the Treatment of Aortic Regurgitation: Disruptive Approach to an Underserved Patient Population

Faculty: Susheel K. Kodali, Raj Makkar, Vinod H. Thourani, Torsten P. Vahl, Nicolas M. Van Mieghem

- 6:45 AM **Symposium Kick off**
Lecturer: Susheel K. Kodali, Vinod H. Thourani
- 6:47 AM **AR Prevalence**
Lecturer: Vinod H. Thourani
- 6:55 AM **AR Treatment in 2019**
Lecturer: Raj Makkar
- 7:03 AM **Discussion**
- 7:07 AM **JVT Technology Cases and AS Advantages**
Lecturer: Torsten P. Vahl
- 7:25 AM **Long term Advantages of JVT**
Lecturer: Nicolas M. Van Mieghem
- 7:33 AM **Panel Discussion QA**
- 7:45 AM **Adjourn**

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

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

THURSDAY, JUNE 13, 2019

6:30 AM - 7:45 AM
Chicago Ballroom X

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

6:45 AM - 7:45 AM

Transcatheter Tricuspid Valve Interventions

Faculty: Jeroen J. Bax, William A. Gray, Susheel K. Kodali, Scott Lim, Robert L. Smith
Co-Chairs: Martin B. Leon, Michael J. Mack

- 6:45 AM **Tricuspid Valve Population No Longer Forgotten**
Lecturer: Jeroen J. Bax
- 6:55 AM **The Surgeons Perspective of TR Treatment: Advantages of Transcatheter Therapy**
Lecturer: Robert L. Smith
- 7:05 AM **Will 3D ICE Change How We Perform Tricuspid Interventions**
Lecturer: Scott Lim
- 7:15 AM **Transcatheter Tricuspid Annular Reduction**
Lecturer: William A. Gray
- 7:25 AM **Other Transcatheter Approaches to TR Reduction: Spacers Leaflet Grasping and Tricuspid Valve Replacement**
Lecturer: Susheel K. Kodali
- 7:35 AM **Focused Discussion: How Do We Best Apply the Tricuspid Toolbox and What is the Right Timing for Transcatheter Intervention**
- 7:45 AM **Adjourn**

A PARADIGM SHIFT IN TREATING AS: WHAT IS ACCEPTABLE TODAY WILL BE CHALLENGED TOMORROW (SPONSORED BY CRF, SUPPORTED BY EDWARDS LIFESCIENCES)

A Paradigm Shift in Treating AS: What Is Acceptable Today Will Be Challenged Tomorrow (Sponsored by CRF, Supported by Edwards Lifesciences)

THURSDAY, JUNE 13, 2019

12:15 PM - 1:30 PM
Chicago Ballroom VIII

12:15 PM - 12:30 PM
Check-in & lunch

12:30 PM - 1:30 PM

A Paradigm Shift in Treating AS: What Is Acceptable Today Will Be Challenged Tomorrow

Faculty: Philippe Genereux, Linda D. Gillam, Sandra Lauck, Molly Szerlip, Vinod H. Thourani, John G. Webb
Co-Chairs: Martin B. Leon, Michael J. Mack

- 12:30 PM **PARTNER 3 Changes Everything Implications of TAVR as a First Choice Therapy for Aortic Stenosis**
Lecturer: Martin B. Leon
- 12:40 PM **Current Guidelines Indications Referral Practices and Treatment Decision Making Are Quickly Becoming Obsolete**

Lecturer: Philippe Genereux

- 12:48 PM **The Vancouver 3M Pathway: From Crazy Alternative to Necessary BENCHMARK**
12:48 PM **3M Data Review and Practical Implementation**
Lecturer: Vinod H. Thourani
- 12:54 PM **Why 3M Is a Patient Centric Decision**
Lecturer: Sandra Lauck
- 1:00 PM **Optimizing TAVR Technology: SAPIEN 3 Ultra Case Video and Early Clinical Impressions**
Lecturer: John G. Webb
- 1:08 PM **Patient Preference and Shared Decision Making SDM: Buzzwords or the New Normal**
Lecturer: Linda D. Gillam
- 1:18 PM **Panel Discussion**
1:30 PM **Adjourn**

EXPANDING TAVR TREATMENT ACROSS A BROAD SPECTRUM OF PATIENTS AND ANATOMIES (SPONSORED BY BOSTON SCIENTIFIC)

Expanding TAVR Treatment Across a Broad Spectrum of Patients and Anatomies (Sponsored by Boston Scientific)

THURSDAY, JUNE 13, 2019

12:15 PM - 1:30 PM

Sheraton Ballroom I-II

12:15 PM - 12:30 PM

Check-in & lunch

12:30 PM - 1:30 PM

Expanding TAVR Treatment Across a Broad Spectrum of Patients and Anatomies

Faculty: Samir R. Kapadia, Rajesh K. Kharbanda, Christopher U. Meduri, Julia Seeger
Chairs: Vinod H. Thourani

- 12:30 PM **LOTUS Edge: A Workhorse Valve With Best in Class PVL**
Presenter: Christopher U. Meduri
- 12:40 PM **LOTUS Edge in Minimalist TAVR**
Presenter: Rajesh K. Kharbanda
- 12:50 PM **Mitigating a Devastating Outcome: the Evidence Behind Cerebral Embolic Protection**
Presenter: Julia Seeger
- 1:00 PM **Combining Percutaneous Valve Procedures With LAAC**
Presenter: Samir R. Kapadia
- 1:10 PM **Discussion**
Discussant: Samir R. Kapadia, Rajesh K. Kharbanda, Christopher U. Meduri, Julia Seeger, Vinod H. Thourani
- 1:30 PM **Adjourn**

MITRACLIP: AN INTERACTIVE PROGRAM OPTIMIZING OUTCOMES: A CASE-BASED PROGRAM (SPONSORED BY CRF, SUPPORTED BY ABBOTT)

MitraClip: An Interactive Program Optimizing Outcomes: A Case-Based Program (Sponsored by CRF, Supported by Abbott)

THURSDAY, JUNE 13, 2019

12:15 PM - 1:30 PM

Chicago Ballroom X

12:15 PM - 12:30 PM

Check-in & lunch

12:30 PM - 1:30 PM

MitraClip: An Interactive Program Optimizing Outcomes: A Case-Based Program

Faculty: Felix Kreidel, Scott Lim, G. Burkhard Mackensen, Francesco Maisano, David G. Rizik, Robert L. Smith
Co-Chairs: Saibal Kar, Mark Reisman

- 12:30 PM **Welcome and introductions**
Lecturer: Mark Reisman
- 12:32 PM **XTR: Impact on Therapy and Unique Opportunities and Challenges**
Lecturer: Francesco Maisano
- 12:40 PM **Top Ten Lessons I Learned as a MitraClip Operator: Dos and Dons**
Lecturer: Mark Reisman
- 12:48 PM **How to Balance Inflow Gradient With Reduction of Mitral Regurgitation: How Much Gradient is Acceptable**
Lecturer: Scott Lim
- 12:56 PM **How to Optimize the Transseptal Puncture Based on Leaflet Pathology**
Lecturer: Robert L. Smith
- 1:04 PM **The MitraClip in Hemodynamically Compromised Patients With MR: A Case Series**
Lecturer: David G. Rizik
- 1:12 PM **Imaging Clefts Calcium MAC and Leaks Between Clips: Imaging Pearls for MitraClip Operators**
Lecturer: G. Burkhard Mackensen
- 1:20 PM **Next Steps for MitraClip: Combined Therapy New Designs Perspective From a Long Journey**
Lecturer: Felix Kreidel
- 1:30 PM **Adjourn**

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

TMVR: Preparing for the Next Revolution (Sponsored by CRF, Supported by Medtronic)

THURSDAY, JUNE 13, 2019

12:15 PM - 1:30 PM

Chicago Ballroom IX

12:15 PM - 12:30 PM

Check-in & lunch

12:30 PM - 1:30 PM

TMVR: Preparing for the Next Revolution

Faculty: Vinayak N. Bapat, Scott Lim, Michael J. Mack, Gilbert H.L. Tang Co-Chairs: David H. Adams, Martin B. Leon, Christopher U. Meduri

- 12:30 PM **Introduction: Why TMVR Makes Sense Especially After COAPT**
Lecturer: David H. Adams
- 12:35 PM **TMVR Technology Corner Landscape Considerations and Future Directions**
Lecturer: Vinayak N. Bapat
- 12:43 PM **Discussion and Audience Interaction**
- 12:46 PM **Echo and CT Imaging: Anatomic and Clinical Screening for the Optimal TMVR Patient**
Lecturer: Gilbert H.L. Tang
- 12:54 PM **Discussion and Audience Interaction**
- 12:57 PM **Optimizing Medical Care for the TMVR Patient**
Lecturer: Christopher U. Meduri
- 1:05 PM **Discussion and Audience Interaction**
- 1:08 PM **Three Instructive TMVR Cases: Who to Treat and Who NOT to Treat**
Case Presenter: Scott Lim
- 1:16 PM **Some Early Lessons from the APOLLO TMVR Trial Preliminary Observations From an Ongoing Study**
Lecturer: Martin B. Leon
- 1:24 PM **Session Evaluation and Key Learnings**
Lecturer: Martin B. Leon
- 1:30 PM **Adjourn**

MITRACLIP & TENDYNE: NEW TECHNOLOGIES AND HOW TO TREAT FMR!

MitraClip & Tendyne: New Technologies and How to Treat FMR!

THURSDAY, JUNE 13, 2019

8:00 AM - 10:00 AM

Michigan A/B, Meeting Room Level 2

8:00 AM - 10:00 AM

MitraClip & Tendyne - New Technologies and How to Treat FMR!

Moderators: James B. Hermiller Jr, Brian K. Whisenant Training Pavilion Faculty: Steven F. Bolling, João L. Cavalcante, Jason H. Rogers

- 8:00 AM **Introduction Solutions for Mitral Regurgitation**
- 8:05 AM **Technology Review: MitraClip NTR XTR Tendyne TMVR**

- 8:05 AM **MitraClip NTR XTR**
Lecturer: Jason H. Rogers

- 8:13 AM **Tendyne TMVR**
Lecturer: Jason H. Rogers

- 8:20 AM **Bioskills: FMR Patho Anatomy Overview and Intersection with Technology NTR XTR and Tendyne**
Training Pavilion Faculty: Brian K. Whisenant

- 8:30 AM **Hands On Rotations**

- 9:00 AM **FMR Finally Screening Procedural Approach MitraClip Assessment EchoTEE**
Lecturer: João L. Cavalcante

- 9:06 AM **HF Meds**
Lecturer: James B. Hermiller Jr

- 9:14 AM **Targeted Transeptal**
Lecturer: Jason H. Rogers

- 9:22 AM **Clip Strategy A2P2 vs ZipClip**
Lecturer: James B. Hermiller Jr

- 9:30 AM **Case Example Roundtable Discussion IIIb Clip in Middle**
Case Presenter: Jason H. Rogers

- 9:38 AM **Post Leaf Retraction ZipClip**
Case Presenter: James B. Hermiller Jr

- 9:46 AM **MAC Tendyne**
Case Presenter: James B. Hermiller Jr

- 9:54 AM **Discussion**
Case Presenter: James B. Hermiller Jr

MitraClip & Tendyne: New Technologies and How to Treat FMR!

THURSDAY, JUNE 13, 2019

10:30 AM - 12:30 PM

Michigan A/B, Meeting Room Level 2

10:30 AM - 12:30 PM

MitraClip & Tendyne - New Technologies and How to Treat FMR!

Moderators: Scott Lim, Paul Sorajja Training Pavilion Faculty: Gorav Ailawadi, William A. Gray, Robert L. Smith, Dee Dee Wang

- 10:30 AM **Introduction Solutions for Mitral Regurgitation**
- 10:35 AM **Technology Review: MitraClip NTR XTR Tendyne TMVR**

10:35 AM **MitraClip NTR XTR**
Lecturer: William A. Gray

10:43 AM **Tendyne TMVR**
Lecturer: Gorav Ailawadi

10:50 AM **Bioskills: FMR Patho Anatomy Overview and Intersection with Technology NTR XTR and Tendyne**
Training Pavilion Faculty: Robert L. Smith

11:00 AM **Hands On Rotations**

11:30 AM **FMR Finally Screening Procedural Approach MitraClip**

11:30 AM **Assessment EchoTEE**
Lecturer: Dee Dee Wang

11:36 AM **HF Meds**
Lecturer: Paul Sorajja

11:44 AM **Targeted Transseptal**
Lecturer: William A. Gray

11:52 AM **Clip Strategy A2P2 vs ZipClip**
Lecturer: Scott Lim

12:00 PM **Case Example Roundtable Discussion**

12:00 PM **IIIb Clip in Middle**
Case Presenter: William A. Gray

12:08 PM **Post Leaf Retraction ZipClip**
Case Presenter: Paul Sorajja

12:16 PM **MAC Tendyne**
Case Presenter: Gorav Ailawadi

12:24 PM **Discussion**
Case Presenter: Gorav Ailawadi

INTRODUCTION TO THE MANTA™ VASCULAR CLOSURE DEVICE FOR LARGE BORE CLOSURE

Introduction to the MANTA™ Vascular Closure Device for Large Bore Closure

THURSDAY, JUNE 13, 2019

8:00 AM - 10:00 AM

Superior, Meeting Level 2

8:00 AM - 10:00 AM

Introduction to the MANTA™ Vascular Closure Device for Large Bore Closure

Training Pavilion Faculty: Zvonimir Krajcer, Pradeep K. Yadav

8:00 AM **Introduction**

8:05 AM **Large bore access and closure best practices**

8:30 AM **Clinical use of the MANTA Device for large bore closure**

9:00 AM **Hands on deployment demonstrations of the MANTA Device**

Introduction to the MANTA™ Vascular Closure Device for Large Bore Closure

THURSDAY, JUNE 13, 2019

10:30 AM - 12:30 PM

Superior, Meeting Level 2

10:30 AM - 12:30 PM

Introduction to the MANTA™ Vascular Closure Device for Large Bore Closure

Training Pavilion Faculty: Didier Tchetché, Nicolas M. Van Mieghem

10:30 AM **Introduction**

10:35 AM **Large bore access and closure best practices**

11:00 AM **Clinical use of the MANTA Device for large bore closure**

11:30 AM **Hands on deployment demonstrations of the MANTA Device**

CONTEMPORARY CONSIDERATIONS FOR HEMODYNAMICS

Contemporary Considerations for Hemodynamics

THURSDAY, JUNE 13, 2019

2:00 PM - 4:00 PM

Superior, Meeting Level 2

2:00 PM - 4:00 PM

Contemporary Considerations for Hemodynamics

Training Pavilion Faculty: João L. Cavalcante, Michael J. Reardon, Steven J. Yakubov

2:00 PM **Introduction**

2:05 PM **Current Data Review**

2:25 PM **Hemodynamic Outcomes and Impact on Health Economics**

2:55 PM **Interactive Case Reviews and Panel Discussion**

3:55 PM **Adjourn**

ADVANCED TECHNIQUES AND CASE REVIEWS

Advanced Techniques and Case Reviews

THURSDAY, JUNE 13, 2019

4:30 PM - 6:30 PM

Superior, Meeting Level 2

4:30 PM - 6:30 PM

Advanced Techniques and Case Reviews

Training Pavilion Faculty: Paul D. Mahoney, Christian Spies

- 4:30 PM **Introduction**
- 4:35 PM **Review Implant Best Practices and Procedural Simplification**
- 4:55 PM **Advanced Procedural Techniques: Case Based Discussion**
- 5:15 PM **Advanced Alternative Access Case Review**
- 5:45 PM **Interactive Case Reviews and Panel Discussion**
- 6:25 PM **Adjourn**

TAVR: AN INTERACTIVE EXPERIENCE WITH SENTINEL CPS

TAVR: An Interactive Experience with Sentinel CPS

THURSDAY, JUNE 13, 2019

10:30 AM - 12:30 PM

Mayfair, Meeting Level 2

10:30 AM - 12:30 PM

TAVR: An Interactive Experience with Sentinel CPS

Training Pavilion Faculty: Hemal Gada, Pradeep K. Yadav

- 10:30 AM **Product Overview** **Data Review** **QA**
- 10:50 AM **Case Review**
- 11:00 AM **Hands on Rotations**

TVT CLINICAL DEMONSTRATIONS AND RECEPTION

TVT Clinical Demonstrations and Reception

THURSDAY, JUNE 13, 2019

5:45 PM - 7:45 PM

Ballroom Promenade

5:45 PM - 7:45 PM

Please visit exhibits from the following supporters: Abbott, Baylis Medical, Boston Scientific, Edwards Lifesciences, Gore & Associates, Teleflex.

FRIDAY, JUNE 14, 2019

MAIN ARENA DAY 2: FRIDAY MORNING, JUNE 14TH

Main Arena Day 2: Friday Morning, June 14th

FRIDAY, JUNE 14, 2019

8:00 AM - 12:00 PM

Sheraton Chicago Ballroom IV-VII

8:00 AM - 9:00 AM

Live Cases #7 and #8: TAVR

Live Case Moderators: Vinod H. Thourani Live Case Co-Moderators: Jeffrey J. Popma Live Case Discussants: Colin M. Barker, G. Michael Deeb, Sammy Elmariah, Katherine Harrington, Markus Albert Kasel, Christopher U. Meduri, Nicolo Piazza, David G. Rizik, Shigeru Saito, Nicolas M. Van Mieghem

8:00 AM **Live Case 7: University Hospital Bonn Heart Center Bonn TAVR Lotus Bicuspid**

Live Case Operator: Eberhard Grube, Georg Nickenig, Jan-Malte Sinning, Hendrik Treede, Marcel Weber

8:30 AM **Live Case 8: NYPColumbia TAVR Lotus**

Live Case Operator: Vinayak N. Bapat, Isaac George, Rebecca T. Hahn, Omar K. Khaliq, Susheel K. Kodali, Tamim M. Nazif, Torsten P. Vahl

9:00 AM - 9:45 AM

The Future of Cardiac Imaging for Structural Heart Disease

Moderators: Anthony N. DeMaria, Jonathon A. Leipsic Discussants: Philipp Blanke, João L. Cavalcante, Linda D. Gillam, Nadira Hamid, Hasan Jilaihawi, G. Burkhard Mackensen, Randolph P. Martin, Robert L. Smith

9:00 AM **Future Pillars of Imaging for Structural Heart Disease: 3D Printing and Virtual Reality**

Lecturer: Dmitry B. Levin

9:06 AM **Discussion**

9:09 AM **Four Hot Imaging Vignettes**

9:09 AM **Can Artificial Intelligence Deep Learning Algorithms Transform Echo Acquisition and Interpretation in Valvular Heart Disease**

Lecturer: Randolph P. Martin

9:17 AM **New 3 D ICE Systems for Procedural Guidance**

Lecturer: Brij Maini

9:23 AM **The Use of TEE Simulation for Physician Training**

Lecturer: G. Burkhard Mackensen

9:29 AM **Will CT Fusion Become the Gold Standard for Structural Heart Interventions**

Lecturer: Thomas Smith

9:35 AM **Discussion**

9:45 AM - 11:15 AM

Live Cases #9 and #10: Mitral/Tricuspid

Live Case Moderators: Saibal Kar Live Case Co-Moderators: Mayra Guerrero Live Case Discussants: Philipp Blanke, Anson Cheung, Linda D. Gillam, Hüseyin Ince, James M. McCabe, Basel Ramlawi, Maurice E. Sarano, Mathew Williams

9:45 AM **Live Case 9: University Hospital Bonn Heart Center Bonn Tricuspid MitraClip for TR**

Live Case Operator: Eberhard Grube, Georg Nickenig, Jan-Malte Sinning, Hendrik Treede, Marcel Weber

10:30 AM **Live Case 10: Cedars Sinai Medical Center TMVR Valve in Valve**
Live Case Operator: Tarun Chakravarty, Moody M. Makar, Raj Makkar, Mamoo Nakamura

11:15 AM - 12:00 PM

LAA and PFO Closure: Updates & Controversies

Moderators: Josep Rodés-Cabau, Gregg W. Stone
Discussants: Sameer Gafoor, William A. Gray, Reda Ibrahim, Thomas K. Jones, Aaron V. Kaplan, Fabian Nietlispach, Fabien Praz, Steven J. Yakubov

11:15 AM **Expanding the Clinical Indications for LAA Closure: Challenges Alternative Therapies and Vision**
Lecturer: Brian K. Whisenant

11:25 AM **Discussion**

11:30 AM **LAA Closure Technology: Current Standards and Hot Newcomers**
Lecturer: Josep Rodés-Cabau

11:40 AM **Discussion**

11:45 AM **Updated PFO Closure for Cryptogenic Stroke Migraine and More**
Lecturer: Mark Reisman

11:55 AM **Discussion**

3:00 PM **Outcomes Following Transcatheter Versus Transapical/Transaortic Access for Transcatheter Aortic Valve Replacement: Results from the Transcatheter Valve Therapy TVT Registry**
Lecturer: Keith B. Allen

3:10 PM **Discussion**

3:15 PM **Compassionate Use of the PASCAL Transcatheter Valve Repair System for Severe Tricuspid Regurgitation: A Multicenter Observational First in Human Experience**
Lecturer: Neil P. Fam

3:25 PM **Discussion**

3:30 PM **Hemodynamic Outcomes and Predictors of Prosthesis Patient Mismatch After Transcatheter or Surgical Aortic Valve Replacement in Low Risk Patients: Results from the Evolut Low Risk Trial**
Lecturer: Mubashir Mumtaz

3:40 PM **Discussion**

3:45 PM **Echocardiographic Results of Transcatheter Versus Surgical Aortic Valve Replacement in Low Risk Patients: The PARTNER 3 Trial**
Lecturer: Philippe Pibarot

3:55 PM **Discussion**

4:00 PM - 6:00 PM

Live Cases #13 – #16: LAAC-PFO Closure and TAVR

Live Case Moderators: Jacqueline SawLive Case Co-Moderators: Steven J. YakubovLive Case Discussants: Keith B. Allen, Zahid Amin, David J. Cohen, Anthony N. DeMaria, Sameer Gafoor, Robert W. Hodson, Brij Maini, David W.M. Muller, Thomas Smith, Molly Szerlip, Brian K. Whisenant

4:00 PM **Live Case 13: Scripps Clinic LAAC**

Live Case Operator: Matthew J. Price, Steven Charles Romero

4:30 PM **Live Case 14: Providence Heart and Vascular Institute Transcatheter TAVR**

Live Case Operator: Brandon Jones, Eric Kirker, Ethan C. Korngold

5:00 PM **Live Case 15: NYPColumbia TAVR Sapien Ultra**

Live Case Operator: Vinayak N. Bapat, Isaac George, Rebecca T. Hahn, Omar K. Khaliq, Susheel K. Kodali, Tamim M. Nazif, Robert J. Sommer, Torsten P. Vahl

5:30 PM **Live Case 16: Scripps Clinic LAAC**

Live Case Operator: Matthew J. Price, Steven Charles Romero

MAIN ARENA DAY 2: FRIDAY AFTERNOON, JUNE 14TH

Main Arena Day 2: Friday Afternoon, June 14th

FRIDAY, JUNE 14, 2019

2:00 PM - 6:00 PM

Sheraton Chicago Ballroom IV-VII

2:00 PM - 3:00 PM

Live Cases #11 & #12: TAVR

Live Case Moderators: Bernard PrendergastLive Case Co-Moderators: Azeem LatibLive Case Discussants: Colin M. Barker, Amar Krishnaswamy, Helge Möllmann, Fabian Nietlispach, Michael J. Rinaldi, Julia Seeger, Gilbert H.L. Tang, Didier Tchetché, Vinod H. Thourani, David A. Wood

2:00 PM **Live Case 11: NYPColumbia TAVR Evolut Valve in Valve**
Live Case Operator: Vinayak N. Bapat, Isaac George, Rebecca T. Hahn, Omar K. Khaliq, Susheel K. Kodali, Tamim M. Nazif, Torsten P. Vahl

2:30 PM **Live Case 12: Cedars Sinai Medical Center TAVR BAV AR**
Live Case Operator: Tarun Chakravarty, Moody M. Makar, Raj Makkar, Mamoo Nakamura

3:00 PM - 4:00 PM

Late-Breaking Clinical Science: Practice-Changing Data

Moderators: Martin B. Leon, Gregg W. StoneDiscussants: Anthony N. DeMaria, Tsuyoshi Kaneko, G. Burkhard Mackensen, David W.M. Muller, Nicolo Piazza, Bernard Prendergast, Michael J. Reardon

CASE-BASED TUTORIALS AND CHALLENGING CASES: MITRAL II AND TRICUSPID

Case-Based Tutorials and Challenging Cases: Mitral II and Tricuspid

FRIDAY, JUNE 14, 2019

8:15 AM - 11:43 AM

Chicago Ballroom IX

8:15 AM - 9:13 AM

Mitral and Tricuspid

- 8:15 AM **Cased Based Tutorials**
Moderators: Patrick M. McCarthy, Maurice E. Sarano
- Moderators: Patrick M. McCarthy, Maurice E. Sarano
Moderators: Patrick M. McCarthy, Maurice E. Sarano
Discussants: Sanjiv Shah
- 8:15 AM **MAC Management: Transseptal Valve in MAC**
Case Presenter: Mayra Guerrero
- 8:23 AM **Discussion**
Case Presenter: Mayra Guerrero
- 8:25 AM **MAC Management: Surgical and TMVR Strategies**
Case Presenter: Robert L. Smith
- 8:33 AM **Discussion**
Case Presenter: Robert L. Smith
- 8:35 AM **Therapy Strategies for MR With Wide Coaptation Gap**
Case Presenter: Neil P. Fam
- 8:43 AM **Discussion**
Case Presenter: Neil P. Fam
- 8:45 AM **How to Manage Single Leaflet Detachment After MitraClip**
Case Presenter: Sameer Gafoor
- 8:53 AM **Discussion**
Case Presenter: Sameer Gafoor
- 8:55 AM **MitraClip for Acute MR Decompensation**
Case Presenter: Saibal Kar
- 9:03 AM **Discussion**
Case Presenter: Saibal Kar
- 9:05 AM **Transcatheter Leaflet Suspension for Primary MR**
Case Presenter: Gilbert H.L. Tang

9:13 AM - 10:43 AM

Challenging Cases: Mitral II and Tricuspid

Moderators: Alexandre Abizaid, Brian R. Lindman
Discussants: Steven Goldberg, Edwin Ho, Didier Tchetché

- 9:13 AM **A Case of Severe Mitral Valve Insufficiency With Extensive Posterior Leaflet Prolapse That Could Be Treated While Two Clips Entangled With Hemodynamics Collapse**
Case Presenter: Shuhei Tanaka
- 9:20 AM **Discussion**
- 9:23 AM **Navigating Pacemaker Lead Challenges in Tricuspid Clipping**
Case Presenter: Tilak Pasala
- 9:30 AM **Discussion**
- 9:33 AM **MitraClip Post Cardiac Transplant as a Bridge to Second Transplant**
Case Presenter: François Simon
- 9:40 AM **Discussion**
- 9:43 AM **Closure of the Mitral Ring PVL and Mitral Valve Perforation by Cardioform PFO Occluder: Tips Tricks and Challenges**

Case Presenter: Mohammad Sarraf

- 9:50 AM **Discussion**
- 9:53 AM **Acute Right Ventricular Reverse Remodeling Following Transcatheter Edge To Edge Repair of Severe Tricuspid Regurgitation**
Case Presenter: Jeremy Ben-Shoshan
- 10:00 AM **Discussion**
- 10:03 AM **Successful MitraClip Implantation in a Severely Tortuous IVC**
Case Presenter: Faraj Kargoli
- 10:10 AM **Discussion**
- 10:13 AM **Transcatheter Mitral Valve Repair After Transcatheter Ventricular Repair in a Patient With Severe Functional Mitral Regurgitation**
Case Presenter: Arun Kanmanthareddy
- 10:20 AM **Discussion**
- 10:23 AM **Transapical Closure of a Bioprosthetic Mitral Perivalvular Leak in a Patient With a History of Rheumatic Heart Disease and Severe Right Sided Heart Failure**
Case Presenter: Peter Petropulos
- 10:30 AM **Discussion**
- 10:33 AM **Thrombectomy of a Left Atrial Thrombus During Transcatheter Mitral Valve Replacement**
Case Presenter: Giorgio Medranda
- 10:40 AM **Discussion**

10:43 AM - 11:43 AM

Mitral II and Tricuspid

Moderators: João L. Cavalcante, Samir R. Kapadia
Discussants: Randolph P. Martin, David Meerkin

- 10:43 AM **Case Based Tutorials: Mitral and Tricuspid**
- 10:43 AM **Tricuspid MitraClip in TR With a Permanent Pacemaker**
Case Presenter: Fabien Praz
- 10:51 AM **Discussion**
Case Presenter: Fabien Praz
- 10:53 AM **When to Consider Cardioband Annuloplasty for Severe TR**
Case Presenter: William A. Gray
- 11:01 AM **Discussion**
Case Presenter: William A. Gray
- 11:03 AM **Transcatheter Tricuspid Valve Replacement: Case Examples in Torrential TR**
Case Presenter: Samir R. Kapadia
- 11:11 AM **Discussion**
Case Presenter: Samir R. Kapadia
- 11:13 AM **MitraClip in Both Severe MR and TR: Strategy and Case Examples**
Case Presenter: Brij Maini

- 11:21 AM **Discussion**
Case Presenter: Brij Maini
- 11:23 AM **Early Experiences With PASCAL in Severe TR**
Case Presenter: Neil P. Fam
- 11:31 AM **Discussion**
Case Presenter: Neil P. Fam
- 11:33 AM **When NOT to TREAT a Patient With Severe TR Ends of the Spectrum**
Case Presenter: Randolph P. Martin
- 11:41 AM **Discussion**
Case Presenter: Randolph P. Martin

- 10:30 AM **Practicalities of Shared Decision Making for Stroke Prevention: Relevance to LAA Occlusion and PFO Closure**
Lecturer: Megan Coylewright
- 10:45 AM **Discussion**
- 10:50 AM **Operator and Institutional Requirements for LAA Occlusion for Non Valvular Atrial Fibrillation**
Lecturer: Hemal Gada
- 11:00 AM **Discussion**
- 11:05 AM **Operator and Institutional Requirements for PFO Closure for Secondary Prevention of Paradoxical Embolic Stroke**
Lecturer: Zahid Amin
- 11:20 AM **Discussion**
- 11:25 AM **Building a Practice for LAA Occlusion and PFO Closure: How to Succeed**
Lecturer: Ramon Quesada
- 11:40 AM **Discussion**

LAA OCCLUSION AND PFO CLOSURE II

LAA Occlusion and PFO Closure II

FRIDAY, JUNE 14, 2019

8:15 AM - 11:45 AM

Chicago Ballroom VIII

8:15 AM - 10:30 AM

Session I: PFO Closure Comes of Age

Moderators: William A. Gray, Thomas K. Jones
Discussants: Zahid Amin, Reda Ibrahim, David W.M. Muller, Fabian Nietlispach, Mark Reisman

- 8:15 AM **PFO Closure for Secondary Prevention of Paradoxical Embolic Stroke: Randomized Trial Synthesis**
Lecturer: Fabian Nietlispach
- 8:30 AM **Discussion**
- 8:40 AM **PFO Closure Device Landscape: Similarities and Differences How to Choose**
Lecturer: David W.M. Muller
- 8:55 AM **Discussion**
- 9:05 AM **PFO Closure: Techniques for Simple and Complex Anatomy**
Lecturer: Zahid Amin
- 9:20 AM **Discussion**
- 9:30 AM **Imaging Essentials for PFO Closure TEE and ICE: Before During and After the Procedure**
Lecturer: Brij Maini
- 9:45 AM **Discussion**
- 9:50 AM **Case Studies in PFO Closure: From Treatment Decisions to Technical Challenges**
Case Presenter: Reda Ibrahim
- 10:05 AM **Discussion**
- 10:10 AM **PFO Closure for Conditions Beyond Cryptogenic Stroke**
Lecturer: Thomas K. Jones
- 10:25 AM **Discussion**

10:30 AM - 11:45 AM

Session II: The Nuts and Bolts

NEW TECHNOLOGY FORUM: MITRAL AND TRICUSPID I

New Technology Forum: Mitral and Tricuspid I

FRIDAY, JUNE 14, 2019

8:15 AM - 11:43 AM

Sheraton Ballroom I-II

8:15 AM - 9:00 AM

Session I: Overview of New Transcatheter Therapies for MR

Moderators: David H. Adams, Howard C. Herrmann
Discussants: Philippe Genereux, Hüseyin Ince, Brij Maini, Francesco Maisano, Jason H. Rogers, Brian K. Whisenant

- 8:15 AM **Transcatheter MR Therapies Controversies and Predictions**
- 8:15 AM **Safety and Simplicity Will Win: Transcatheter Leaflet Approximation Technologies Will Continue to Dominate**
Lecturer: Hüseyin Ince
- 8:22 AM **Transcatheter Mitral Annuloplasty Devices Will Replace Leaflet Technologies in the Future**
Lecturer: Brian K. Whisenant
- 8:29 AM **Leaflet Chordal Suspension for Primary MR Will Become and Remain an Important Tool in the Surgical/Interventional Toolbox**
Lecturer: Andrea Colli
- 8:36 AM **Once TMVR Is Refined It Will Be the Preferred Therapy for Most MR Patients**
Lecturer: Paul Sorajja
- 8:43 AM **Similar to Surgery Combination Repair Therapies Will Give the Most Durable Outcomes and Least Complications**
Lecturer: Francesco Maisano

8:50 AM **Animated Panel Discussion: Strengths and Weaknesses of Transcatheter MR Therapies**
Lecturer: Francesco Maisano

9:00 AM - 11:43 AM

Session II: Transcatheter Mitral 'Repair' Therapies – RAPID-FIRE

Moderators: Anita Asgar, Jason H. Rogers
Discussants: Jeroen J. Bax, Gregory P. Fontana, John K. Forrest, Michael J. Rinaldi, Molly Szerlip, Bernard Vasseur

9:00 AM **Leaflet Grasping Therapies**

9:00 AM **Conceptual Overview: Pros and Cons**
Lecturer: Anita Asgar

9:07 AM **MitraClip NT and XTR Devices: Differences and How to Choose EXPAND Registry**
Lecturer: Hüseyin Ince

9:14 AM **PASCAL: Technology and Clinical Trial Updates CLASP CLASP IID**
Lecturer: Scott Lim

9:21 AM **New Devices: MitraStitch Valve Clamp and CoAp Pro**
Lecturer: Mao Chen

9:28 AM **Rapid Fire Questions and Panel Discussion**
Moderator: Ramon Quesada

9:36 AM **Annuloplasty Therapies**

9:36 AM **Conceptual Overview: Pros and Cons**
Lecturer: Francesco Maisano

9:43 AM **Cardioband Mitral: Technology and Clinical Trial Updates ACTIVE**
Lecturer: Brian K. Whisenant

9:50 AM **Carillon: Technology and Clinical Trial Updates CARILLON**
Lecturer: Samir R. Kapadia

9:57 AM **Millipede: Technology and EFS Updates**
Lecturer: Jason H. Rogers

10:04 AM **Accucinch ANCORA: Technology and EFS Updates CORCINCH EFS**
Lecturer: Creighton W. Don

10:11 AM **MVRx ARTO: Technology and Clinical Trial Updates MAVERIC CE Mark Trial**
Lecturer: Bernard Prendergast

10:18 AM **Valcare AMEND: Technology and Clinical Updates**
Lecturer: David Meerkink

10:25 AM **Mitral Cerclage: Technology and FIM Updates**
Lecturer: Robert J. Lederman

10:32 AM **Rapid Fire Questions**
Moderator: Paul A. Grayburn

10:40 AM **Leaflet Chordal Suspension**

10:40 AM **Conceptual Overview: Pros and Cons**
Lecturer: Michael J. Reardon

10:47 AM **Neochord Transapical: Technology FDA Pivotal Trial Updates RECHORD Progress With Transseptal Version**
Lecturer: David H. Adams

10:54 AM **Harpoon Transapical: Technology and Clinical Updates**
Lecturer: James S. Gammie

11:01 AM **Pipeline Transseptal Chordal Repair: Technology and FIM Update**
Lecturer: Steven F. Bolling

11:08 AM **Rapid Fire Questions**
Moderator: Andrea Colli

11:13 AM **ChordArt Transseptal Chordal Repair: Technology and FIM Update**
Lecturer: Alberto Weber

11:20 AM **Posterior Leaflet Repair Replacement**

11:20 AM **Conceptual Overview: Pros and Cons**
Lecturer: Steven F. Bolling

11:25 AM **Polares: Technology and FIM Update**
Lecturer: Jason H. Rogers

11:29 AM **Sutra: Technology and Development Plan**
Lecturer: Wei Sun

11:34 AM **Rapid Fire Questions**
Moderator: Michael J. Mack

WORKSHOPS AND CLINICAL CONTROVERSIES: MITRAL AND TRICUSPID I

Workshops and Clinical Controversies: Mitral and Tricuspid I

FRIDAY, JUNE 14, 2019

8:15 AM - 12:00 PM

Chicago Ballroom X

8:15 AM - 9:35 AM

Clinical Data and Patient Selection

Moderators: Paul A. Grayburn, Allan Schwartz
Discussants: Megan Coylewright, Samir R. Kapadia, Azeem Latib, Milton Packer, Bernard Prendergast, Gregg W. Stone

8:15 AM **MITRA FR: Perspectives on Clinical Trial Data and Current EU Patient Selection Criteria for FMR**
Lecturer: Bernard Prendergast

8:27 AM **COAPT: Perspectives on Clinical Trial Data and Anticipated US Patient Selection Criteria for FMR**
Lecturer: Gregg W. Stone

8:39 AM **Proportional vs. Disproportional Mitral Regurgitation The New Paradigm**
Lecturer: Milton Packer

8:51 AM **Discussion**

9:01 AM **Which Patients Are Best Candidates for Clinical Trials With Transcatheter LeafletChordal Suspension Anatomic and Clinical Factors**

9:13 AM **Which Patients Are Best Candidates for Clinical Trials With Transcatheter Mitral Valve Replacement Anatomic and Clinical Factors**

Lecturer: Thomas Modine

9:25 AM **Discussion**

9:35 AM - 10:05 AM

'How-To' Technical Session — Mitral Valve-In... -Valve and -Ring

Moderators: Adam B. Greenbaum, Azeem Latib Discussants: Hemal Gada, Mayra Guerrero, Thomas Modine, Fabien Praz, John G. Webb

9:35 AM **Mitral Valve In Valve and Ring I: Insights From the Registries/Trials**
Lecturer: Mayra Guerrero

9:45 AM **Technical Approach Step by Step to Successfully Perform Transseptal Mitral Valve In Procedures**
Lecturer: Vasilis Babaliaros

9:55 AM **Discussion**

10:05 AM - 12:00 PM

DEEP DIVE Session: Difficult Problems to Manage With Transcatheter Mitral Valve Replacement Therapy — MAC, LVOT Narrowing, and Recurrent MR

Moderators: Francesco Maisano, Christopher U. Meduri Discussants: Vasilis Babaliaros, Adam B. Greenbaum, Jonathon A. Leipsic, Thomas Modine, Nicolo Piazza, Michael J. Reardon

10:05 AM **The Many Faces of MAC: Imaging Patterns Associated Mitral Valve Pathologies and Consequences**
Lecturer: Jonathon A. Leipsic

10:15 AM **Open Surgical Approaches to Patients With MAC and MSMR Techniques and Outcomes**
Lecturer: Gorav Ailawadi

10:25 AM **SITRAL Trial and Transcatheter Open Surgical Approaches to Patients With MAC and MSMR Techniques and Outcomes**
Lecturer: Robert L. Smith

10:35 AM **Limitations and Possibilities of TMVR in Patients With MAC**
Lecturer: Michael J. Mack

10:45 AM **MAC Discussion**

10:50 AM **Evolving CT Imaging Concepts on Measuring the Neo LVOT After TMVR**
Lecturer: Jonathon A. Leipsic

11:00 AM **Intra and Post Procedure Management of Narrowed LVOT After TMVR**
Lecturer: Christopher U. Meduri

11:10 AM **Using LAMPOON and LAMPOON Variants to Optimize Outcomes in Difficult Transcatheter Mitral Valve Patients**
Lecturer: Vasilis Babaliaros

11:20 AM **LVOT Discussion**

11:25 AM **Recurrent MR After Transcatheter Mitral Valve Repair: How Often Will Another Clip Work**
Lecturer: Saibal Kar

11:35 AM **Recurrent MR After Transcatheter Mitral Valve Repair: Is Surgical Repair Still an Option**
Lecturer: Vinod H. Thourani

11:45 AM **Is TMVR Possible After Failed MitraClip**
Lecturer: Scott Lim

BIOSKILLS: CADAVERIC ENDOSCOPY FOR STRUCTURAL HEART THERAPIES - PRESSURIZED CARDIOVASCULAR MODEL DEMONSTRATIONS

Bioskills: Cadaveric Endoscopy for Structural Heart Therapies - Pressurized Cardiovascular Model Demonstrations

FRIDAY, JUNE 14, 2019

2:00 PM - 6:00 PM

Chicago Ballroom VIII

2:00 PM - 3:49 PM

The TAVR Valves and Access

Moderators: Mark Reisman Discussants: Alexandre Abizaid, Creighton W. Don, Dmitry B. Levin, Beth Ripley Co-Moderators: Hasan Jilaihawi

2:00 PM **Lotus Valve**

2:00 PM **Brief Overview of the Lotus Valve**
Lecturer: Creighton W. Don

2:05 PM **Cadaveric Heart Model: Analysis**
Lecturer: Beth Ripley

2:12 PM **Cadaveric Heart Model: Valve Deployment Endoscopy**
Lecturer: Creighton W. Don

2:27 PM **Cadaveric Heart Model: Heart Dissection**
Lecturer: Dmitry B. Levin

2:34 PM **Roundtable Discussion With Audience QA**
Lecturer: Dmitry B. Levin

2:42 PM **ULTRA Valve**

2:42 PM **Brief Overview of Ultra Valve**
Lecturer: James M. McCabe

2:48 PM **Cadaveric Heart Model: CT Analysis**
Lecturer: Beth Ripley

2:55 PM **Cadaveric Heart Model: Ultra System Endoscopy**
Lecturer: James M. McCabe

3:10 PM **Cadaveric Heart Model: Heart Dissection**
Lecturer: Danny Dvir

3:18 PM **Roundtable Discussion With Audience QA**
Lecturer: Danny Dvir

3:26 PM **Shockwave**

- 3:26 PM **Brief Overview of the Shockwave System for Peripheral Access**
Lecturer: John G. Webb
- 3:31 PM **Shockwave Endoscopy**
Lecturer: Dmitry B. Levin
- 3:41 PM **Roundtable Discussion With Audience QA**
Lecturer: Dmitry B. Levin

3:49 PM - 6:00 PM

Left Atrial Appendage Occlusion

Moderators: Mark Reisman Discussants: Thomas K. Jones, Aaron V. Kaplan, Saibal Kar, G. Burkhard Mackensen, Fabian Nietlispach, Michael J. Rinaldi
Co-Moderators: Samir R. Kapadia

- 3:49 PM **Watchman and Flex Devices**
- 3:49 PM **Brief Overview of the Watchman and FLEX Systems**
Lecturer: Saibal Kar
- 3:59 PM **CT analysis**
Lecturer: Dmitry B. Levin
- 4:11 PM **Endoscopy**
Lecturer: Mark Reisman
- 4:23 PM **Dissection**
Lecturer: Saibal Kar
- 4:31 PM **Roundtable Discussion With Audience QA**
Lecturer: Saibal Kar

- 4:39 PM **Edge to Edge therapy**
Moderators: Dmitry B. Levin

Moderators: Dmitry B. Levin
Moderators: Dmitry B. Levin Discussants: Charles J. Davidson, William A. Gray, Thomas K. Jones, Ramon Quesada, Mark Reisman, Michael J. Rinaldi
Moderators: Dmitry B. Levin
Moderators: Dmitry B. Levin Discussants: Charles J. Davidson, William A. Gray, Thomas K. Jones, Ramon Quesada, Mark Reisman, Michael J. Rinaldi
Moderators: Dmitry B. Levin Discussants: Charles J. Davidson, William A. Gray, Thomas K. Jones, Ramon Quesada, Mark Reisman, Michael J. Rinaldi
Co-Moderators: Anita Asgar

- 4:39 PM **Brief Overview of XTR and NTR**
Lecturer: G. Burkhard Mackensen
- 4:49 PM **Mitraclip Endoscopy**
Lecturer: Mark Reisman
- 5:04 PM **Dissection**
Lecturer: Dmitry B. Levin
- 5:14 PM **Roundtable Discussion With Audience QA**
Lecturer: Dmitry B. Levin

- 5:22 PM **Left Ventriculoplasty**
Moderators: Creighton W. Don

Moderators: Creighton W. Don
Moderators: Creighton W. Don Discussants: Steven F. Bolling, Hemal Gada, Dmitry B. Levin, JoAnn Lindenfeld, Mark Reisman, Beth Ripley
Moderators: Creighton W. Don
Moderators: Creighton W. Don Discussants: Steven F. Bolling, Hemal Gada, Dmitry B. Levin, JoAnn Lindenfeld, Mark Reisman, Beth Ripley
Moderators: Creighton W. Don Discussants: Steven F. Bolling, Hemal Gada, Dmitry B. Levin, JoAnn Lindenfeld, Mark Reisman, Beth Ripley
Co-Moderators: G. Burkhard Mackensen

- 5:22 PM **Brief Description of Ancora Device**
Lecturer: Creighton W. Don

- 5:27 PM **CT review**
Lecturer: Beth Ripley
- 5:32 PM **Ancora Endoscopy**
Lecturer: Creighton W. Don
- 5:47 PM **Dissection**
Lecturer: Dmitry B. Levin
- 5:54 PM **Roundtable Discussion With Audience QA**
Lecturer: Dmitry B. Levin

CASE-BASED TUTORIALS AND CHALLENGING CASES: TAVR CLINICAL TOPICS & TAVR COMPLICATIONS III

Case-Based Tutorials and Challenging Cases: TAVR Clinical Topics & TAVR Complications III

FRIDAY, JUNE 14, 2019

2:00 PM - 5:10 PM
Chicago Ballroom IX

2:00 PM - 4:00 PM

TAVR Clinical Topics

- 2:00 PM **Challenging Cases**
Moderators: David G. Rizik, Jochen Wohrle
Moderators: David G. Rizik, Jochen Wohrle
Moderators: David G. Rizik, Jochen Wohrle Discussants: Sammy Elmariah, Jian Ye
- 2:00 PM **The Ultimate TAVR: Zero Contrast Preoperative Evaluation True Zero Contrast TAVR in a 4 Patient Case Series**
Case Presenter: Saira Samani
- 2:07 PM **Discussion**
Case Presenter: Saira Samani
- 2:10 PM **Left Main Coronary Artery Balloon Occlusion A Simple Maneuver to Assess the Need of BASILICA**
Case Presenter: Albert Chan
- 2:17 PM **Discussion**
Case Presenter: Albert Chan
- 2:20 PM **Percutaneous Transaxillary TAVR Made Easy**
Case Presenter: Arijit Chanda
- 2:27 PM **Discussion**
Case Presenter: Arijit Chanda
- 2:30 PM **Emergent TAVR in a Patient Acute Severe Bioprosthetic AI and Multiorgan Dysfunction**
Case Presenter: Elvis Cami
- 2:37 PM **Discussion**
Case Presenter: Elvis Cami

- 2:40 PM **Use of a New Generation Transcatheter Heart Valve Facilitating Valve in Valve TAVR and Bioprosthetic Valve Fracture in a Patient at High Risk of Coronary Obstruction**
Case Presenter: Mark Hensey
- 2:47 PM **Discussion**
Case Presenter: Mark Hensey
- 2:50 PM **Worsening Shortness of Breath 3 Years After TAVR**
Case Presenter: Sanjay Mehta
- 2:57 PM **Discussion**
Case Presenter: Sanjay Mehta
- 3:00 PM **Cased Based Tutorials**
Moderators: Srin Potluri
Moderators: Srin PotluriModerators: Srin PotluriDiscussants: Bruce J. Rutkin
- 3:00 PM **Treating a Small Surgical Bioprosthetic Valve**
Case Presenter: Jeffrey J. Popma
- 3:09 PM **Discussion**
Case Presenter: Jeffrey J. Popma
- 3:11 PM **Diagnosis and Treatment of PVL After TAVR in the Modern Minimalist Era**
Case Presenter: Philippe Pibarot
- 3:20 PM **Discussion**
Case Presenter: Philippe Pibarot
- 3:22 PM **Treating a Stentless Bioprosthetic Surgical Valve**
Case Presenter: Brian K. Whisenant
- 3:31 PM **Discussion**
Case Presenter: Brian K. Whisenant
- 3:33 PM **Managing Vascular Catastrophes After TAVR**
Case Presenter: James M. McCabe
- 3:42 PM **Discussion**
Case Presenter: James M. McCabe
- 3:44 PM **Transcatheter Management of AS With Severe LVOT Calcification**
Case Presenter: James M. McCabe
- 3:53 PM **Discussion**
Case Presenter: James M. McCabe

4:00 PM - 5:10 PM

TAVR Complications III and New Devices

Moderators: Ariel Finkelstein, Philippe GenereuxDiscussants: Mark J. Goodwin, Chris Malaisrie

4:00 PM Challenging Cases

- 4:00 PM **Percutaneous Closure of a Very Late Paravalvular Leak After Edwards SAPIEN XT TAVR**
Case Presenter: Pedro Nicz
- 4:07 PM **Discussion**
Case Presenter: Pedro Nicz

- 4:10 PM **Simultaneous LAA Closure With Structural Heart Procedures WATCHMAN in TAVR Patient**
Case Presenter: Praveen Chandra
- 4:17 PM **Discussion**
Case Presenter: Praveen Chandra
- 4:20 PM **First in Man Endobentall Procedure for Treating Ascending Aorta and Aortic Valve at the Same Time**
Case Presenter: Diego Gaia
- 4:27 PM **Discussion**
Case Presenter: Diego Gaia
- 4:30 PM **A Word of Caution Using Self Expanding Transcatheter Aortic Valve Frame In Folding**
Case Presenter: Itshac Itsik Ben-dor
- 4:37 PM **Discussion**
Case Presenter: Itshac Itsik Ben-dor
- 4:40 PM **TAVR Through Transcarotid Access**
Case Presenter: Praveen Chandra
- 4:47 PM **Discussion**
Case Presenter: Praveen Chandra
- 4:50 PM **Self Expanding Device Migration Resulting in Severe Paravalvular Leak: Snare vs Valve in Valve**
Case Presenter: Bishal Bhandari
- 4:57 PM **Discussion**
Case Presenter: Bishal Bhandari
- 5:00 PM **New Generation Transcatheter Heart Valve for Severe Non Calcified Aortic Regurgitation The Transfemoral J Valve System**
Case Presenter: Mark Hensey
- 5:07 PM **Discussion**
Case Presenter: Mark Hensey

NEW TECHNOLOGY FORUM: MITRAL/TRICUSPID II

New Technology Forum: Mitral/Tricuspid II

FRIDAY, JUNE 14, 2019

2:00 PM - 6:15 PM

Sheraton Ballroom I-II

2:00 PM - 2:30 PM

Transcatheter Mitral Valve Replacement (TMVR) Therapies — RAPID-FIRE

Moderators: Michael J. Reardon, Paul SorajjaDiscussants: Anita Asgar, John G. Webb

- 2:00 PM **Surgical Perspectives on TMVR: Focus on Patient Selection and Clinical Management Issues**
Lecturer: Thomas Modine
- 2:10 PM **Interventional Perspectives on TMVR: What Are the Design Issues**
Lecturer: Nicolo Piazza
- 2:20 PM **Rapid Fire Questions**

2:30 PM - 5:00 PM

TMVR Programs

Moderators: Jason H. Rogers, Mathew Williams
Discussants: Anson Cheung, Howard C. Herrmann, Scott Lim, Basel Ramlawi, Paul Sorajja, Nicolas M. Van Mieghem

2:30 PM **RCT**

2:30 PM **INTREPID: Attributes Challenges and Clinical Data APOLLO**
Lecturer: Martin B. Leon

2:40 PM **TENDYNE: Attributes Challenges and Clinical Data SUMMIT**
Lecturer: Gorav Ailawadi

2:50 PM **Rapid Fire Questions**
Moderator: Anson Cheung

3:00 PM **EFS**

3:00 PM **EVOQUE: Attributes Challenges and Early Clinical Data**
Lecturer: Howard C. Herrmann

3:10 PM **The TIARA Program: Attributes Challenges and Early Clinical Data**
Lecturer: Anson Cheung

3:20 PM **The CAISSON Program: Attributes Challenges and Early Clinical Data**
Lecturer: Steven J. Yakubov

3:30 PM **HIGHLIFE: Attributes Challenges and Clinical Data**
Lecturer: Nicolo Piazza

3:40 PM **M3: Attributes Challenges and Early Clinical Data**
Lecturer: John G. Webb

3:50 PM **Rapid Fire Questions**
Moderator: James S. Gammie

4:00 PM **Next Generations**

4:00 PM **Cardiovalve: Attributes Challenges and Early Clinical Data**
Lecturer: Francesco Maisano

4:10 PM **CEPHEA: Attributes Challenges and Future Directions**
Lecturer: Thomas Modine

4:20 PM **AltaValve: Attributes Challenges and Future Programs**
Lecturer: Josep Rodés-Cabau

4:30 PM **Rapid Fire Questions**
Moderator: Megan Coylewright

4:40 PM **Complex Issues**

4:40 PM **TMVR Pivotal Trial Designs in the COAPT Era**
Lecturer: Gregg W. Stone

5:00 PM - 6:15 PM

Transcatheter Tricuspid Therapies — RAPID-FIRE

Moderators: Gorav Ailawadi, Azeem Latib
Discussants: Neil P. Fam, Edwin Ho, Jian Ye

5:00 PM **Annuloplasty and Reshaping Therapies**

5:00 PM **Trialign Pioneering Work Technology and Lessons Learned**
Lecturer: Christopher U. Meduri

5:05 PM **Cardioband Tricuspid Showing Promise Technology and Clinical Updates**
Lecturer: Scott Lim

5:10 PM **Tech TriCinch Enhanced Design Technology and Clinical Updates**
Lecturer: Maurizio Taramasso

5:15 PM **Cardiac Implants Da Vinci Proof of Concept Technology and Clinical Updates**
Lecturer: Martin B. Leon

5:20 PM **PASTA... Over the Counter Annuloplasty**
Lecturer: Adam B. Greenbaum

5:25 PM **Rapid Fire Questions**
Lecturer: Adam B. Greenbaum

5:30 PM **Leaflet Grasping Therapies**

5:30 PM **MitraClip Tricuspid Growing Experience Technology and Clinical Updates Triluminare I II**
Lecturer: Saibal Kar

5:35 PM **PASCAL Tricuspid Early Experience Technology and Clinical Updates**
Lecturer: Felix Kreidel

5:40 PM **Rapid Fire Questions**
Lecturer: Felix Kreidel

5:45 PM **Spacers Valves and Everything Else for TR**

5:45 PM **The FORMA Spacer A Versatile Tool Technology and Clinical Updates EFS**
Lecturer: Mark Hensey

5:50 PM **CroiValve... A Valve A Spacer Both or Neither**
Lecturer: Martin Quinn

5:55 PM **Evolution of Caval Valves CAVI Last Resort TR Patients Technology and Clinical Updates**
Lecturer: Martin Quinn

6:00 PM **Navigate Transcatheter Tricuspid Valve Replacement Early Findings Technology and Clinical Updates**
Lecturer: Samir R. Kapadia

6:05 PM **Trisol... Specifically Designed for the Tricuspid... Potentially Safer Than Other Tricuspid Replacements**
Lecturer: Giora Weisz

6:10 PM **Rapid Fire Questions**
Lecturer: Kendra J. Grubb

WORKSHOPS AND CLINICAL CONTROVERSIES: MITRAL AND TRICUSPID II

Workshops and Clinical Controversies: Mitral and Tricuspid II

FRIDAY, JUNE 14, 2019

2:00 PM - 6:00 PM

Chicago Ballroom X

2:00 PM - 2:50 PM

Current Treatment Strategies for Significant TR

Moderators: Ori Ben-Yehuda, Michael J. Mack Discussants: Linda D. Gillam, Paul A. Grayburn, Samir R. Kapadia, Christopher U. Meduri, Fabien Praz, Molly Szerlip

- 2:00 PM **Medical Therapy for TR and Indications Thresholds for Surgical Transcatheter Therapies**
Lecturer: Maurice E. Sarano
- 2:10 PM **TR Due to Pacemaker Lead Entrapment: Frequency Diagnosis Clinical Consequences and Treatment Alternatives**
Lecturer: Neil P. Fam
- 2:20 PM **Lessons From Surgery Should the Tricuspid Valve Be Addressed During Transcatheter Mitral Valve Intervention**
Lecturer: Thomas Modine
- 2:30 PM **TR Repair vs. Replacement Strategies: Lessons From Surgery**
Lecturer: James S. Gammie
- 2:40 PM **Discussion**

2:50 PM - 3:50 PM

Anatomy and Imaging of the RV and Tricuspid Valve

Moderators: Steven F. Bolling, Randolph P. Martin Discussants: Jeroen J. Bax, João L. Cavalcante, Paul A. Grayburn, Jonathon A. Leipsic, Bernard Vasseur

- 2:50 PM **Bioskills Primer for the Right Heart Surgical Interventional Highlights and Landscape Overview of Major Pathologies**
Lecturer: Mark Reisman
- 3:00 PM **How Should We Be Imaging TR to Determine Severity and RV Function Echo TEE or CMR**
Lecturer: Linda D. Gillam
- 3:10 PM **How Should We Be Imaging TR to Guide Transcatheter Intervention TEE 3D ICE or Something Else**
Lecturer: Fabien Praz
- 3:20 PM **The Essential Echocardiography Examination of TR and RV Function**
Lecturer: Randolph P. Martin
- 3:30 PM **The Essential CT Examination of the Tricuspid Annulus and RV Anatomy**
Lecturer: Jonathon A. Leipsic
- 3:40 PM **Discussion**

3:50 PM - 6:00 PM

Patient Selection for New Transcatheter TR Therapies

Moderators: Linda D. Gillam, Randolph P. Martin Discussants: Anita Asgar, Ori Ben-Yehuda, William A. Gray, Felix Kreidel, Maurizio Taramasso

3:50 PM **Lessons From International Registry on Transcatheter Tricuspid Therapies**

Lecturer: Philipp Lurz

4:00 PM **Definitions of Futility as it Applies to RV Failure With Torrential TR**

Lecturer: Michael J. Mack

4:10 PM **The Potential Role of Combination or Sequential Transcatheter TR Therapies**

Lecturer: Felix Kreidel

4:20 PM **Discussion**

4:30 PM **Interactive Heart Teams: Device Selection for These Difficult TR Cases With Case Panel Discussion and Case Outcome**

4:30 PM **Case 1: A Difficult Case Treated With Cardioband**

Case Presenter: Scott Lim

4:40 PM **Case 2: A Difficult Case Treated With TriCinch**

Case Presenter: Maurizio Taramasso

4:50 PM **Case 3: A Difficult Case Treated With Pascal**

Case Presenter: Neil P. Fam

5:00 PM **Case 4: A Difficult Case Treated With Tricuspid Clip**

Case Presenter: Philipp Lurz

5:10 PM **Case 5: A Difficult Case Treated With Forma**

Case Presenter: Mark Hensey

5:20 PM **Case 6: A Difficult Case Treated With Caval Valves**

Case Presenter: Alexander Lauten

5:30 PM **Case 7: A Difficult Case Treated With NaviGate**

Case Presenter: Martin B. Leon

5:40 PM **Roundtable Discussion With Audience QA**

Case Presenter: Martin B. Leon

MODERATED POSTER SESSION: TRICUSPID, MITRAL III, & OTHER - STATION 1

Moderated Poster Session: Tricuspid, Mitral III, & Other - Station 1

FRIDAY, JUNE 14, 2019

8:00 AM - 12:00 PM

Station 1, Ballroom Promenade, 4th Floor

8:00 AM - 9:45 AM

Tricuspid

Moderators: Maurizio Taramasso Discussants: Mark J. Goodwin

8:00 AM **3 Dimensional Intracardiac Echocardiography to Guide Structural Heart Interventions**

Lecturer: Carlos E. Sanchez

8:10 AM Discussion

8:15 AM **1 Year Outcomes of the TRI REPAIR Study Assessing Cardioband Tricuspid Valve Reconstruction System for Patients With Functional Tricuspid Regurgitation**

Lecturer: Felix Kreidel

8:25 AM Discussion

8:30 AM **Simplifying TTVR With a Novel Cinching Solution**

Lecturer: Didier Tchetché

8:40 AM Discussion

8:45 AM **Constructing an Anatomical Map of the Tricuspid Valve and Adjacent Right Atrial Structures for Optimizing the Design of Transcatheter Annuloplasty Repair Devices: A Computational Case Study of 50 Human Hearts**

Lecturer: Jorge Zhingre Sanchez

8:55 AM Discussion

9:00 AM **A New Preoperative Approach Based on 3D Printed Simulation in LAAC Procedures Data From LAA Print French Registry: A Large National Multicentric Prospective Registry**

Lecturer: Vlad Ciobotaru

9:10 AM Discussion

9:15 AM **Effect of Residual Interatrial Shunt on Migraine Burden After Transcatheter Closure of Patent Foramen Ovale**

Lecturer: Eyal Ben Assa

9:25 AM Discussion

9:30 AM **Results From the Early Feasibility Study of Cardioband Tricuspid System for Functional Tricuspid Regurgitation**

Lecturer: Scott Lim

9:40 AM Discussion

9:45 AM - 11:15 AM

Mitral III

Moderators: Felix Kreidel, Paul Sorajja Discussants: Andrea Colli

9:45 AM **Transseptal Puncture With Large Bore Transcatheter Delivery Systems: Investigations into Crossing Forces Atrial Septum Dilatation and Tissue Damage to the Fossa Ovalis**

Lecturer: Jorge Zhingre Sanchez

9:55 AM Discussion

10:00 AM **Long Term Outcomes Following Transcatheter Mitral Valve Replacement for the Treatment of Degenerated Mitral Bioprostheses**

Lecturer: Giorgio Medranda

10:10 AM Discussion

10:15 AM **Surgical and Transcatheter Mitral Valve Replacement in Mitral Annular Calcification: A Systematic Review**

Lecturer: Aaqib H Malik

10:25 AM Discussion

10:30 AM **Double Valve Replacement in Patients With Severe Mitral Annular Calcification**

Lecturer: Mohanad Hamandi

10:40 AM Discussion

10:45 AM **Percutaneous Transeptal Mitral Valve Implantation in Failed Surgical Bioprosthetic Valves Early Experience in Brazil**

Lecturer: Pedro Nicz

10:55 AM Discussion

11:00 AM **Adjunctive Use of Fluoroscopy During Mitraclip Implantation to Minimize Clip Malrotation Preserve Alignment and Reduce Number of Grasps and Need for Clip Eversion**

Lecturer: Sarah Chen

11:10 AM Discussion

11:15 AM - 12:00 PM

Other

Moderators: Alexandra J. Lansky, David W.M. Muller Discussants: Philipp Lurz

11:15 AM **Sonographer Performed Transesophageal Echocardiograph During Cardiac Interventional Cases: A Hospital Experience**

Lecturer: Kimberly Chadwell

11:25 AM Discussion

11:30 AM **Primary Care Provider Awareness of Transcatheter Procedures in North Carolina**

Lecturer: Sanjay Venkatesh

11:40 AM Discussion

11:45 AM **Prevention of Cardiac Maternal Mortality in the Developing World: Screening Pregnant Women in Hyderabad India for Structural Heart Disease**

Lecturer: Amisha Patel

11:55 AM Discussion

MODERATED POSTER SESSIONS: TAVR CLINICAL TOPICS III, IV, AND OTHER - STATION 2

Moderated Poster Sessions: TAVR Clinical Topics III, IV, and Other - Station 2

FRIDAY, JUNE 14, 2019

8:00 AM - 12:15 PM

Station 2, Ballroom Promenade, 4th Floor

8:00 AM - 9:30 AM

TAVR Clinical Topics III

Moderators: David J. Cohen Discussants: Mark J. Goodwin, Philipp Lurz

8:00 AM **Does Orienting Sapien 3 During Crimping in TAVR Affect Final Orientation to Coronaries to Impact TAV in TAV and Coronary Reaccess A Pilot Study**

Lecturer: Gilbert H.L. Tang

8:10 AM Discussion

8:15 AM **Utilizing a Protocol Driven vs. a Guideline Driven Approach for Management of Conduction Abnormalities After Transcatheter Aortic Valve Replacement**

Lecturer: Chad Kliger

8:25 AM Discussion

8:30 AM **Renin Angiotensin Aldosterone System Inhibitors Are Associated With Reno Protective Effects in Aging Patients Undergoing Transcatheter Aortic Valve Replacement**

Lecturer: Alexis Okoh

8:40 AM Discussion

8:45 AM **Diastolic Dysfunction and Clinical Outcomes in Non Typical Aortic Stenosis Subtypes After Transcatheter Aortic Valve Replacement**

Lecturer: Rashad Belin

8:55 AM Discussion

9:00 AM **Comparison of 3D Transesophageal Echocardiogram vs. CTA for TAVR Valve Sizing and Resulting Aortic Regurgitation**

Lecturer: Sarfaraz Memon

9:10 AM Discussion

9:15 AM **Frequency and Consequences of Adverse Events After Transcatheter or Surgical Aortic Valve Replacement in Medicare Beneficiaries**

Lecturer: Carlos E. Sanchez

9:25 AM Discussion

9:30 AM - 12:15 PM

TAVR Clinical Topics IV and Other

Moderators: G. Michael Deeb
Discussants: Kentaro Hayashida, Janarthanan Sathananthan

9:30 AM **The Utility of Transcatheter Aortic Valve Replacement in Very Low Gradient Severe Aortic Stenosis**

Lecturer: Giorgio Medranda

9:40 AM Discussion

9:45 AM **Impact of Frailty Score on Quality of Life After Transcatheter Aortic Valve Replacement in Nonagenarians**

Lecturer: Ramez Morcos

9:55 AM Discussion

10:00 AM **Patient Recovery Following Alternative Access TAVR: Is There a Benefit With the Transcarotid Approach**

Lecturer: Katie Jaschke

10:10 AM Discussion

10:15 AM **Outcomes of Transcatheter Aortic Valve Replacement in Congestive Heart Failure: Analysis From the Nationwide Inpatient Sample**

Lecturer: Dipesh Ludhwani

10:25 AM Discussion

10:30 AM **Valve Performance and Durability After Transcatheter Versus Surgical Aortic Valve Replacement A Meta Analysis of Randomized Controlled Trials**

Lecturer: Ankur Sethi

10:40 AM Discussion

10:45 AM **Comparison of Procedural and Clinical Outcomes Between the Sapien XT and the Sapien 3 Valves in Transcatheter Aortic Valve Replacement**

Lecturer: Hyungdon Kook

10:55 AM Discussion

11:00 AM **TAVR Safety in Cancer Including in Metastatic Disease: Propensity Score and Machine Learning Supported Multicenter Case Control Study of Over 6 Million Hospitalizations**

Lecturer: Tariq Thannoun

11:10 AM Discussion

11:15 AM **Performance of the TRUE Dilatation Balloon Valvuloplasty Catheter Beyond Rated Burst Pressure: A Bench Study**

Lecturer: Janarthanan Sathananthan

11:25 AM Discussion

11:30 AM **Gender Differences in the Safety of Alcohol Septal Ablation in Patients With Hypertrophic Obstructive Cardiomyopathy**

Lecturer: Abhishek Sharma

11:40 AM Discussion

11:45 AM **Iatrogenic Atrial Septal Defect Closure After Left Sided Structural Heart Procedures: Safety of Using the Large Bore Sheath and Tricks to Delivery**

Lecturer: Benjamin Stripe

11:55 AM Discussion

12:00 PM **Reproducible and Controlled Transseptal Puncture System**

Lecturer: Azeem Latib

12:10 PM Discussion

MODERATED POSTER SESSION: TAVR CLINICAL TOPICS V & LAAC/PFO - STATION 2

Moderated Poster Session: TAVR Clinical Topics V & LAAC/PFO - Station 2

FRIDAY, JUNE 14, 2019

2:00 PM - 3:45 PM

Station 2, Ballroom Promenade, 4th Floor

2:00 PM - 3:00 PM

TAVR Clinical Topics V

Moderator: Saif Anwaruddin, Ariel Finkelstein

2:00 PM **Smaller Aortic Annular Area Is Associated With Patient Prosthesis Mismatch in TAVR but Not Surgical AVR**

Lecturer: Amogh Karnik

2:10 PM Discussion

2:15 PM **Minimalist Approach to Percutaneous Transaxillary TAVI: The M Ax Approach**

Lecturer: Gautam Visveswaran

2:25 PM Discussion

2:30 PM **Ferumoxitol Enhanced MRA for Transcatheter Aortic Valve Replacement Planning in Patients With Chronic Kidney Disease**

Lecturer: Anjali Sharma

2:40 PM Discussion

2:45 PM **Impact of Pre Existing Atrial Fibrillation on Clinical Outcomes in Patients Who Underwent Balloon Expandable Transcatheter Aortic Valve Replacement**
Lecturer: Hyungdon Kook

2:55 PM **Discussion**

3:00 PM - 3:45 PM

LAAC/PFO

Moderators: David Meerkink, Vivian G. Ng
Discussants: Megan Coylewright, Reda Ibrahim

3:00 PM **LAA Closure in a Completely Awake Patient Using BossaNova and Intracardiac Echocardiography Guidance**
Lecturer: Giselle Baquero

3:10 PM **Discussion**

3:15 PM **Proof of Concept A Novel Wide Field Three Dimensional Intracardiac Echocardiography to Guide Left Atrial Appendage Occlusion**
Lecturer: Kimberly Chadwell

3:25 PM **Discussion**

3:30 PM **Towards Simplifying the Workflow for Transcatheter Left Atrial Appendage Closure Using Preprocedural CT Planning and Intraoperative Left Atrial Volume Intracardiac Echocardiography**
Lecturer: Vivian G. Ng

3:40 PM **Discussion**

2:45 PM **Incidence of the Pseudoaneurysm After Transcatheter Aortic Valve Replacement: A Single Center Experience**
Lecturer: Alexis Okoh

2:55 PM **Discussion**

3:00 PM **Pacemaker Dependency at 90 Days After Transcatheter Aortic Valve Replacement**
Lecturer: Mohanad Hamandi

3:10 PM **Discussion**

OPTIONS IN THE TREATMENT OF MR: A NEW HORIZON OF THERAPY WITH TRANSCATHETER MITRAL VALVE IMPLANTATION (TMVI) (SPONSORED BY ABBOTT)

Options in the Treatment of MR: A New Horizon of Therapy With Transcatheter Mitral Valve Implantation (TMVI) (Sponsored by Abbott)

FRIDAY, JUNE 14, 2019

6:30 AM - 7:45 AM

Chicago Ballroom X

6:30 AM - 6:45 AM

Check-in & breakfast

6:45 AM - 7:45 AM

Options in the Treatment of MR: A New Horizon of Therapy With Transcatheter Mitral Valve Implantation (TMVI)

Faculty: Thomas Modine, David W.M. Muller, Paul Sorajja, Vinod H.

Thourani Chairs: Francesco Maisano

6:45 AM **A Pathoanatomic Approach to Secondary Functional Mitral Regurgitation: Evaluating the Evidence**
Presenter: Vinod H. Thourani

6:57 AM **Roundtable Discussion**

7:00 AM **First 100 Patients Treated With the Tendyne Transcatheter Mitral Prosthesis: Results from the Global Feasibility Study CE Mark Trial**
Presenter: Thomas Modine

7:12 AM **Roundtable Discussion**

7:15 AM **Mitral Regurgitation Severity Predicts 1 Year Therapeutic Benefit of Tendyne Transcatheter Mitral Valve Implantation**
Presenter: David W.M. Muller

7:27 AM **Roundtable Discussion**

7:30 AM **Transcatheter Mitral Valve Implantation in Patients With Severe Mitral Annular Calcification: Early Results From the Tendyne MAC Study**
Presenter: Paul Sorajja

7:42 AM **Roundtable Discussion**

7:45 AM **Adjourn**

MODERATED POSTER SESSION: TAVR COMPLICATIONS - STATION 1

Moderated Poster Session: TAVR Complications - Station 1

FRIDAY, JUNE 14, 2019

2:00 PM - 3:15 PM

Station 1, Ballroom Promenade, 4th Floor

2:00 PM - 3:15 PM

TAVR Complications

Moderators: Markus Albert Kasel, Mark J. Russo
Discussants: Robert W. Hodson

2:00 PM **Thrombosis in the Transcatheter Heart Valve: Fluid Dynamics Factors**
Lecturer: Prem Midha

2:10 PM **Discussion**

2:15 PM **Predictors of Late 30 Days Permanent Pacemaker Implantation Following Transcatheter Aortic Valve Replacement**
Lecturer: Alexis Okoh

2:25 PM **Discussion**

2:30 PM **Machine Learning Based Prediction of Pacemaker Implantation After Transcatheter Aortic Valve Replacement**
Lecturer: Anvi Raina

2:40 PM **Discussion**

SHOCKWAVE IVL: A NEW ALTERNATIVE TO ALTERNATIVE TAVR ACCESS (SPONSORED BY SHOCKWAVE MEDICAL)

Shockwave IVL: A New Alternative to Alternative TAVR Access (Sponsored by Shockwave Medical)

FRIDAY, JUNE 14, 2019

6:30 AM - 7:45 AM

Chicago Ballroom IX

6:30 AM - 6:45 AM

Check-in & breakfast

6:45 AM - 7:45 AM

Shockwave IVL: A New Alternative to Alternative TAVR Access

Faculty: Chandan Devireddy, James M. McCabe, John G. Webb, Pradeep K.

YadavChairs: Mark Reisman

6:45 AM Introduction to IVL and Overview of Application

7:05 AM Challenges in TAVR Access and Potential Alternative Access Routes

Lecturer: James M. McCabe

7:25 AM How IVL is Being Integrated into TAVR Access Algorithms From Multiple Perspectives

Lecturer: Chandan Devireddy, John G. Webb, Pradeep K. Yadav

THE NEW ABCS OF PFO CLOSURE: A DEEP DIVE INTO THE DATA, BUILDING THE HEART-BRAIN TEAM, AND CHALLENGING CASES (SPONSORED BY GORE & ASSOCIATES)

The New ABCs of PFO Closure: A Deep Dive Into the Data, Building the Heart-Brain Team, and Challenging Cases (Sponsored by Gore & Associates)

FRIDAY, JUNE 14, 2019

6:30 AM - 7:45 AM

Chicago Ballroom VIII

6:30 AM - 6:45 AM

Check-in & breakfast

6:45 AM - 7:45 AM

The New ABCs of PFO Closure: A Deep Dive into the Data, Building the Heart-Brain Team, and Challenging Cases

Faculty: Joseph Aragon, Jonathan M. Tobis

6:45 AM Welcome: Deep Dive Into the Pivotal Randomized Trials of PFO Closure and New Sub Analyses

Presenter: Jonathan M. Tobis

7:02 AM Building a Heart Brain Team

Presenter: Joseph Aragon

7:19 AM Advanced Implant Techniques for Gore Cardioform Septal Occluder

Presenter: Jonathan M. Tobis

7:27 AM Challenging Case Studies

Presenter: Joseph Aragon

7:35 AM Audience Questions

7:45 AM Adjourn

CONTEMPORARY TREATMENT OF FUNCTIONAL MR IN PATIENTS WITH HEART FAILURE (SPONSORED BY CARDIAC DIMENSIONS, INC.)

Contemporary Treatment of Functional MR in Patients With Heart Failure (Sponsored by Cardiac Dimensions, Inc.)

FRIDAY, JUNE 14, 2019

12:15 PM - 1:30 PM

Chicago Ballroom IX

12:15 PM - 12:30 PM

Check-in & lunch

12:30 PM - 1:30 PM

Contemporary Treatment of Functional MR in Patients With Heart Failure

Faculty: Steven Goldberg, Samir R. Kapadia, Felix Kreidel, Martin B. Leon, Horst Sievert

12:30 PM Carillon Mitral Contour System Background: REDUCE FMR

Lecturer: Horst Sievert

12:40 PM CARILLON Trial Update

Lecturer: Samir R. Kapadia

12:50 PM Carillon Mitral Contour System Procedure Pre Recorded

1:05 PM Combination Therapy in FMR: Case Experience

Lecturer: Felix Kreidel

1:20 PM Panel Discussion

Moderator: Martin B. Leon

1:30 PM Adjourn

IMPROVING SAFETY & REDUCING COSTS WITH THE TEMPO® TEMPORARY PACING LEAD (SPONSORED BY BIOTRACE MEDICAL)

Improving Safety & Reducing Costs With the Tempo® Temporary Pacing Lead (Sponsored by BioTrace Medical)

FRIDAY, JUNE 14, 2019

12:15 PM - 1:30 PM

Sheraton Ballroom I-II

12:15 PM - 12:30 PM

Check-in & lunch

12:30 PM - 1:30 PM

Improving Safety and Reducing Costs With the Tempo® Temporary Pacing Lead

Faculty: Samir R. Kapadia, Amar Krishnaswamy, Carlos E. Sanchez
 Co-Chairs: Stanley J. Chetcuti, Steven J. Yakubov

- 12:30 PM **The Tempo Lead: A New Standard of Care in Temporary Pacing**
 Lecturer: Steven J. Yakubov
- 12:40 PM **Enabling Early TAVR Patient Ambulation Outside the ICU With the Tempo Lead**
 Lecturer: Stanley J. Chetcuti
- 12:55 PM **Use of the Tempo Lead in TAVR**
 Lecturer: Samir R. Kapadia
- 1:00 PM **Reducing TAVR Length of Stay With the Tempo Lead**
 Lecturer: Carlos E. Sanchez
- 1:15 PM **Use of the Tempo Lead in Bradycardia Patients**
 Lecturer: Amar Krishnaswamy
- 1:20 PM **Roundtable DiscussionQA**
- 1:30 PM **Closing Remarks**
 Lecturer: Stanley J. Chetcuti

LOW-RISK PATIENTS: THE CHANGING FACE OF TAVR (SPONSORED BY CRF, SUPPORTED BY MEDTRONIC)

Low-Risk Patients: The Changing Face of TAVR (Sponsored by CRF, Supported by Medtronic)

FRIDAY, JUNE 14, 2019

12:15 PM - 1:30 PM

Chicago Ballroom X

12:15 PM - 12:30 PM

Check-in & lunch

12:30 PM - 1:30 PM

Low-Risk Patients: The Changing Face of TAVR

- 12:30 PM **Welcome and Introductions: TAVR in Low Risk Patients Critical Review of the Clinical Evidence**
 Lecturer: Michael J. Reardon
- 12:40 PM **The Optimal TAVR Low Risk Patient: Understanding Treatment Decision Making in 2019**
 Lecturer: Kendra J. Grubb
- 12:50 PM **What Is Important to Low Risk Patients Mortality Stroke Qualify of Life Hemodynamics and More**
 Lecturer: Howard C. Herrmann
- 1:00 PM **TAVR in Bicuspid Patients: Evidence and Case Examples**
 Lecturer: Didier Tchetché
- 1:10 PM **Case Presentations: TAVR in Low Risk Patients**
 Case Presenter: Hemal Gada
- 1:20 PM **Panel Discussion and QA**

TRANSCATHETER MITRAL VALVE INTERVENTIONS (SPONSORED BY CRF, SUPPORTED BY EDWARDS LIFESCIENCES)

Transcatheter Mitral Valve Interventions (Sponsored by CRF, Supported by Edwards Lifesciences)

FRIDAY, JUNE 14, 2019

12:15 PM - 1:30 PM

Chicago Ballroom VIII

12:15 PM - 12:30 PM

Check-in & lunch

12:30 PM - 1:30 PM

Transcatheter Mitral Valve Interventions

Faculty: Paul A. Grayburn, Howard C. Herrmann, Scott Lim, JoAnn Lindenfeld, Vinod H. Thourani, Brian K. Whisenant
 Co-Chairs: Jeffrey J. Popma
 Panel Discussants: Linda D. Gillam, Mark Reisman, John G. Webb

- 12:30 PM **Putting Contemporary Transcatheter Mitral Trials in Perspective: Disproportionate Mitral Regurgitation May Be the FMR Target**
 Lecturer: Paul A. Grayburn
- 12:36 PM **Panel Discussion**
- 12:40 PM **Approaches to Transcatheter Leaflet Repair**
 Lecturer: Scott Lim
- 12:46 PM **Panel Discussion**
- 12:50 PM **Transcatheter Annular Reduction for FMR: What Is the Future**
 Lecturer: Brian K. Whisenant
- 12:56 PM **Panel Discussion**
- 1:00 PM **Transcatheter Chordal Repair**
 Lecturer: Vinod H. Thourani
- 1:06 PM **Panel Discussion**
- 1:10 PM **Advances in Transseptal Transcatheter Mitral Valve Replacement**
 Lecturer: Howard C. Herrmann
- 1:16 PM **Panel Discussion**
- 1:20 PM **Role of Heart Failure Specialist in the Post COAPT World**
 Lecturer: JoAnn Lindenfeld
- 1:26 PM **Panel Discussion**
- 1:30 PM **Adjourn**

CONTEMPORARY CONSIDERATIONS FOR HEMODYNAMICS

Contemporary Considerations for Hemodynamics

FRIDAY, JUNE 14, 2019

8:00 AM - 10:00 AM

Superior, Meeting Level 2

8:00 AM - 10:00 AM

Contemporary Considerations for Hemodynamics

Training Pavilion Faculty: João L. Cavalcante, Michael J. Reardon, Steven J. Yakubov

- 8:00 AM Introduction
- 8:05 AM Current Data Review
- 8:25 AM Hemodynamic Outcomes and Impact on Health Economics
- 8:55 AM Interactive Case Reviews and Panel Discussion
- 9:55 AM Adjourn

TAVR IN BICUSPID AORTIC VALVES

TAVR in Bicuspid Aortic Valves

FRIDAY, JUNE 14, 2019

10:30 AM - 12:30 PM

Superior, Meeting Level 2

10:30 AM - 12:30 PM

TAVR in Bicuspid Aortic Valves

Training Pavilion Faculty: Danny Dvir, Basel Ramlawi

- 10:30 AM Introduction
- 10:35 AM Overview of Bicuspid Aortic Valve Disease State
- 11:30 AM Interactive Patient Assessment and Case Planning

TRANS-SEPTAL HANDS-ON TRAINING PROGRAM

Trans-Septal Hands-On Training Program

FRIDAY, JUNE 14, 2019

8:00 AM - 10:00 AM

Mayfair, Meeting Level 2

8:00 AM - 10:00 AM

Trans-Septal Hands-On Training Program

8:00 AM Welcome Remarks

8:05 AM Interventional Pathobiology: Implications for Transseptal Crossing and Left Atrial Interventions

8:15 AM TEE Tutorial: Step by Step Technique and Imaging Interpretation

8:20 AM Step by Step Trans Septal Technique Interventional Tools and Complication Management

8:40 AM Hands on Training Stations Round I

8:40 AM Rotation I: Imaging 10 Minutes
Case Presenter: Martin B. Leon

8:50 AM Rotation II: Heartworks 10 Minutes
Case Presenter: Martin B. Leon

9:00 AM Rotation III: Devices Needles Wires and Sheaths 10 Minutes
Case Presenter: Martin B. Leon

9:10 AM Rotation IV: Trans Septal Technique I: Bench Top Wet Model 10 Minutes
Case Presenter: Martin B. Leon

9:20 AM Hands on Training Stations Round II

9:20 AM Rotations I IV: Trans Septal Technique II: Simulator Experience 10 Minutes Each
Case Presenter: Martin B. Leon

Trans-Septal Hands-On Training Program

FRIDAY, JUNE 14, 2019

10:30 AM - 12:30 PM

Mayfair, Meeting Level 2

10:30 AM - 12:30 PM

Trans-Septal Hands-On Training Program

Training Pavilion Faculty: Colin M. Barker, Paul D. Mahoney

10:30 AM Welcome Remarks

10:35 AM Interventional Pathobiology: Implications for Transseptal Crossing and Left Atrial Interventions

10:45 AM TEE Tutorial: Step by Step Technique and Imaging Interpretation

10:50 AM Step by Step Trans Septal Technique Basic Steps Interventional Tools and Complication Management

11:10 AM Hands on Training Stations Round I

11:10 AM Rotation I: Imaging 10 Minutes
Case Presenter: Martin B. Leon

- 11:20 AM **Rotation II: Heartworks 10 Minutes**
Case Presenter: Martin B. Leon
- 11:30 AM **Rotation III: Devices Needles Wires and Sheaths 10 Minutes**
Case Presenter: Martin B. Leon
- 11:40 AM **Rotation IV: Trans Septal Technique I: Bench Top Wet Model 10 Minutes**
Case Presenter: Martin B. Leon
- 11:50 AM **Hands on Training Stations Round II**
- 11:50 AM **Rotations I IV: Trans Septal Technique II: Simulator Experience 10 Minutes Each**
Case Presenter: Martin B. Leon

MAIN ARENA DAY 3: SATURDAY MORNING, JUNE 15TH

Main Arena Day 3: Saturday Morning, June 15th

SATURDAY, JUNE 15, 2019

8:00 AM - 11:58 AM

Sheraton Chicago Ballroom IV-VII

8:00 AM - 9:00 AM

Live Cases #17 - #18: LAAC/PFO

Live Case Moderators: Saibal Kar Live Case Co-Moderators: Mark Reisman Live Case Discussants: Zahid Amin, Megan Coylewright, Sameer Gafoor, Nadira Hamid, Reda Ibrahim, Amar Krishnaswamy, Brij Maini, Fabian Nietlispach, Torsten P. Vahl

8:00 AM **Live Case 17: CardioVascular Center Frankfurt CVC LAAC**

Live Case Operator: Horst Sievert

8:30 AM **Live Case 18: CardioVascular Center Frankfurt CVC PFO**

Live Case Operator: Horst Sievert

9:00 AM - 10:00 AM

Heart Failure and Structural Heart Disease: A Central Role and an Exciting Future

Moderators: JoAnn Lindenfeld, Clyde W. Yancy Discussants: Kendra J. Grubb, Azeem Latib, Martin B. Leon, Scott Lim, Brian R. Lindman, Philipp Lurz, Mark Reisman, Josep Rodés-Cabau, Sanjiv Shah, Nicolas M. Van Mieghem

9:00 AM **Understanding Heart Failure and Ventricular Mechanics in Valvular Heart Disease**

Lecturer: Clyde W. Yancy

9:10 AM **Discussion**

9:13 AM **Guideline Directed Medical Therapy for Heart Failure in Valvular Heart Disease: What EVERY Interventionalist Should Know**

Lecturer: JoAnn Lindenfeld

9:23 AM **Discussion**

9:26 AM **Transcatheter Subannular Remodeling for HFREF: Early ANCORA Experiences**

Lecturer: Mark Reisman

9:36 AM **Discussion**

9:39 AM **Transcatheter Left Atrial Decompression Therapies: Early Results and Ongoing Pivotal Trials**

9:39 AM **Corvia for HFpEF REDUCE LAP II**

Lecturer: Sanjiv Shah

9:47 AM **V Wave for HFREF and HFpEF**

Lecturer: Josep Rodés-Cabau

LEFT ATRIAL APPENDAGE CLOSURE: ADVANCED IMPLANTER PERSPECTIVES

Left Atrial Appendage Closure: Advanced Implanter Perspectives

FRIDAY, JUNE 14, 2019

2:00 PM - 4:00 PM

Mayfair, Meeting Level 2

2:00 PM - 4:00 PM

Left Atrial Appendage Closure: Advanced Implanter Perspectives

Training Pavilion Faculty: Hemal Gada, Saibal Kar, Ramon Quesada

2:00 PM **Watchman Implant Overview Implant Techniques Challenging Anatomy**

2:45 PM **Watchman Imaging and Case Reviews**

3:30 PM **The Future of LAAC**

3:50 PM **Discussion**

TAVR: AN INTERACTIVE EXPERIENCE WITH SENTINEL CPS

TAVR: An Interactive Experience with Sentinel CPS

FRIDAY, JUNE 14, 2019

4:30 PM - 6:30 PM

Mayfair, Meeting Level 2

4:30 PM - 6:30 PM

TAVR: An Interactive Experience with Sentinel CPS

Training Pavilion Faculty: Robert Leonardi, Rahul Prakash Sharma

4:30 PM **Product Overview Data QA**

4:50 PM **Case Review**

5:00 PM **Hands on Rotations**

SATURDAY, JUNE 15, 2019