THE STRUCTURAL HEART DISEASE SUMMIT 2018
Transcatheter Valve Therapies (TVT) and LAA/PFO Closure

2018 PROGRAM AGENDA

TVT
TRANSCATHETER VALVE THERAPIES:
FEATUREING PHYSICIAN TRAINING SESSIONS
& CLINICAL WORKSHOPS
JUNE 20-22, 2018
SHERATON GRAND CHICAGO, CHICAGO, IL

LAA and PFO Closure
Interventional Prevention of Cardioembolic Stroke:
A Technique-Oriented Course
JUNE 22-23, 2018
SHERATON GRAND CHICAGO, CHICAGO, IL

CRF.ORG/STRUCTURAL-HEART-DISEASE-SUMMIT
#TVT2018
#LAAPFO2018
The agenda listed below may not be up-to-date as of our website. Please refer to our conference website for the latest agenda details.

### INTERACTIVE TRAINING WORKSHOP: TRANS-SEPTAL TRAINING WORKSHOP

**WEDNESDAY, JUNE 20, 2018**  
2:00 PM - 4:00 PM  
Mayfair  

**Trans-septal Training Workshop - 6/20**  
Moderators: Linda D. Gillam, Tamim Nazif, Torsten P. Vahl, Giora Weisz, Jonathon M. White  

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<thead>
<tr>
<th>Time</th>
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<th>Lecturers</th>
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<tr>
<td>2:00 PM</td>
<td>Welcome Remarks</td>
<td>Torsten P. Vahl</td>
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<tr>
<td>2:02 PM</td>
<td>Step-by-step Trans-septal: Technique, Equipment, and Complications</td>
<td>Torsten P. Vahl</td>
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<td>2:12 PM</td>
<td>Instructional Videos</td>
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### INTERACTIVE TRAINING WORKSHOP: SENTINEL CEREBRAL PROTECTION SYSTEM TRAINING WORKSHOP #1

**WEDNESDAY, JUNE 20, 2018**  
2:00 PM - 4:00 PM  
Superior, Meeting Level 2  

**Sentinel Cerebral Protection System Training Workshop**  
Moderators: Amar Krishnaswamy  

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<thead>
<tr>
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<tr>
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<td>Amar Krishnaswamy</td>
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<td>Overview of Clinical Findings of Cerebral Embolic Protection With Sentinel in TAVR</td>
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<td>Experience With Sentinel at My Institution: Case Studies and Program Impact</td>
<td>Amar Krishnaswamy</td>
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<td>2:40 PM</td>
<td>Overview of Sentinel Use: Preprocedure Planning, Device Preparation, Delivery, and Removal</td>
<td>Amar Krishnaswamy</td>
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<td>3:00 PM</td>
<td>Hands-on Training Stations With Sentinel Devices and Anatomical Models</td>
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### INTERACTIVE TRAINING WORKSHOP: SENTINEL CEREBRAL PROTECTION SYSTEM TRAINING WORKSHOP #2

**WEDNESDAY, JUNE 20, 2018**  
4:15 PM - 6:15 PM  
Superior, Meeting Level 2  

**Sentinel Cerebral Protection System Training Workshop**  
Moderators: Hemal Gada  

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<tr>
<td>4:15 PM</td>
<td>Welcome Remarks</td>
<td>Hemal Gada</td>
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Hands-on Training Stations With Sentinel Devices and Anatomical Models
Lecturers: Hemal Gada

**IMAGES GUIDED THERAPY PROGRAM**

**WEDNESDAY, JUNE 20, 2018**
2:00 PM - 5:00 PM
Sheraton Ballroom II -III
Accreditation: CME, MOC

**2:00 PM - 3:30 PM**
Real Time Echocardiographic Expert Analysis of Image-Based Cases
Moderators: Susheel K. Kodali
Case Presenter: Rebecca T. Hahn, Omar K. Khalique
Discussants: João L. Cavalcante, Azeem Latib, Francesco Maisano, Mark Reisman, Gilbert H.L. Tang

**3:30 PM - 5:00 PM**
Experts Interpret Complex Valvular Cases With MDCT
Panel Discussant: Philipp Blanke, João L. Cavalcante, Danny Dvir, Hasan Jilaihawi, Omar K. Khalique, Francesco Maisano, Nicolo Piazza, Mark Reisman, Jason H. Rogers

**APPLIED BIOSKILLS: ANATOMY, IMAGING, AND DEVICES**

**WEDNESDAY, JUNE 20, 2018**
5:00 PM - 7:10 PM
Sheraton Ballroom II -III
Accreditation: CME, MOC

**5:00 PM - 7:00 PM**
Applied Bioskills: Anatomy, Imaging, and Devices
Moderators: Mark Reisman
Discussants: Creighton W. Don, Thomas K. Jones, David G. Rizik, Carl L. Tommaso, Nicolas M. Van Mieghem

**CT HANDS-ON WORKSHOP (ADVANCE SIGN-UP IS REQUIRED)**

**WEDNESDAY, JUNE 20, 2018**
5:00 PM - 7:00 PM
Chicago Ballroom X
Accreditation: CME, MOC

**5:00 PM - 7:00 PM**
CT Hands-on Workshop
Moderators: Jonathon A. Leipsic
Lecturers: Philipp Blanke

**ECHO HANDS-ON WORKSHOP: MASTERING TEE FOR STRUCTURAL HEART DISEASE INTERVENTIONS - UNDERSTANDING IMAGING PLANES AND OPTIMIZING VALVE MEASUREMENTS (ADVANCE SIGN-UP IS REQUIRED)**

**WEDNESDAY, JUNE 20, 2018**
5:00 PM - 7:00 PM
Chicago Ballroom IX
Accreditation: CME, MOC

**5:00 PM - 7:00 PM**
Echo Hands-on Workshop
Moderators: Rebecca T. Hahn, Omar K. Khalique

Introduction to Workshop
Lecturers: Rebecca T. Hahn
BREAKFAST SATELLITE: CEREBRAL EMBOLIC PROTECTION: FROM EMERGING TECHNOLOGY TO STANDARD OF CARE (SPONSORED BY CLARET MEDICAL)

THURSDAY, JUNE 21, 2018
6:30 AM - 8:00 AM
Chicago Ballroom VIII

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

7:00 AM - 8:00 AM
Cerebral Embolic Protection: From Emerging Technology to Standard of Care
Chairs: Martin B. Leon, Nicolas M. Van Mieghem
Faculty: Tarun Chakravarty, Hemal Gada, Adam B. Greenbaum, Susheel K. Kodali, James M. McCabe, Julia Seeger, Didier Tchetche

7:00 AM  CHAIRPERSON OPENING: The Evolution of Protected TAVR Towards Standard of Care
Lecturers: Nicolas M. Van Mieghem

7:10 AM  Contemporary Review of the Evidence for Protected TAVR
Lecturers: Tarun Chakravarty

7:20 AM  Evidence of Periprocedural Stroke Reduction in Real-world Routine Use of Sentinel in an Academic Institution in Germany
Lecturers: Julia Seeger

7:30 AM  TAVR Stroke Economics and Sentinel Impact
Lecturers: Hemal Gada

7:40 AM  CHAIRPERSON CLOSE: Future of Cerebral Protection
Lecturers: Martin B. Leon

7:50 AM  Panel Q&A
Moderators: Martin B. Leon, Nicolas M. Van Mieghem
Discussants: Tarun Chakravarty, Hemal Gada, Adam B. Greenbaum, Susheel K. Kodali, James M. McCabe, Julia Seeger, Didier Tchetche

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

THURSDAY, JUNE 21, 2018
6:45 AM - 8:00 AM
Chicago Ballroom X

6:45 AM - 7:00 AM
Check-In & Breakfast

7:00 AM - 8:00 AM
Transcatheter Mitral Valve Interventions
Chairs: Jeffrey J. Popma
Faculty: Ted Feldman, Mayra Guerrero, Howard C. Herrmann, Mark Reisman, Vinod H. Thourani, Brian K. Whisenant

7:00 AM  Anatomical Considerations for Mitral Valve Repair/Replacement: Insights From the Center for Cardiovascular Innovation
Lecturers: Mark Reisman

7:07 AM  Transcatheter Annular Reduction for FMR
Lecturers: Brian K. Whisenant

7:14 AM  Leaflet Device for MV Reconstruction/Repair
Lecturers: Ted Feldman

7:21 AM  Transapical Chordal Replacement
Lecturers: Vinod H. Thourani

7:28 AM  Transcatheter Mitral Replacement, Part 1
Lecturers: Howard C. Herrmann

7:35 AM  Transcatheter Mitral Replacement, Part 2
Lecturers: Mayra Guerrero

7:43 AM  Focused Discussion: Is There Enough in the Toolbox?
TVT MAIN ARENA DAY 1: MITRAL AND TRICUSPID - THURSDAY, JUNE 21ST

THURSDAY, JUNE 21, 2018
8:00 AM - 12:00 PM
Sheraton Chicago Ballroom IV- VII
Accrediation: CME,MOC

8:00 AM - 8:45 AM
Session I. Live Cases #1: Mitral/Tricuspid
Live Case Moderators: Francesco Maisano, Nicola Piazza
Bioskills Factoid: Dmitry B. Levin

8:00 AM Live Cases #1: Heart Center of Universitätsmedizin Mainz, Mainz, GE
Live Case Operators: Ralph Stephan von Bardeleben

8:45 AM - 9:30 AM
Session II. The Conundrum of Functional (Secondary) MR and TR
Moderators: Anthony N. DeMaria, Allan Schwartz
Discussants: David H. Adams, John D. Carroll, Georg Nickenig, Mark Reisman, Gregg W. Stone, Maurizio Taramasso

8:45 AM Etiology, Pathology, and Ventriculo-valvular Interactions in Functional MR and TR
Lecturers: Mark Reisman

8:55 AM Lessons Learned From Surgery for Functional MR and TR to Guide Transcatheter Therapies
Lecturers: David H. Adams

9:05 AM Special Considerations for Transcatheter Therapies in Patients With Functional MR and TR (Access, Imaging, and Device Selection)
Lecturers: Scott Lim

9:15 AM Roundtable Discussion With Audience Q&A

9:30 AM - 10:15 AM
Session III. Live Cases #2: Mitral/Tricuspid
Live Case Moderators: Chet Rihal, Gregg W. Stone
Live Case Discussants: Paul A. Grayburn, Mayra Guerrero, Hüseyin Ince, Karl-Heinz Kuck, Georg Nickenig, Fabien Praz
Bioskills Factoid: Dmitry B. Levin

9:30 AM Live Case #2: St. Paul's Hospital, Vancouver, Canada
Live Case Operators: Robert Boone, MD, Anson Cheung, Robert Mass, MD, John G. Webb

10:15 AM - 11:15 AM
Session IV. Imaging for Mitral and Tricuspid Regurgitation Interventions
Moderators: Rebecca T. Hahn
Co Moderator: Jonathon A. Leipsic
Discussants: Philipp Blanke, Linda D. Gillam, G. Burkhard Mackensen, Christopher U. Meduri, Nicola Piazza, Maurice E. Sarano, Thomas Smith, Dee Dee Wang

10:15 AM Anatomical References for Fluoroscopic Imaging to Assist Transcatheter Mitral and Tricuspid Procedures
Lecturers: Nicola Piazza

10:25 AM Advanced Applications of TEE Imaging for Transcatheter Mitral and Tricuspid Procedures
Lecturers: G. Burkhard Mackensen

10:35 AM Advanced Applications of CT Imaging for Transcatheter Mitral and Tricuspid Procedures
Lecturers: Jonathon A. Leipsic

10:45 AM Utility of Fusion Imaging Now and in the Future for Transcatheter Mitral and Tricuspid Procedures
Lecturers: Dee Dee Wang

10:55 AM The Clinical Operator's Corner: Three Case Examples of Limitations and Frustrations With Current Imaging for Transcatheter Mitral and Tricuspid Procedures
Lecturers: Christopher U. Meduri

11:05 AM Roundtable Discussion With Audience Q&A

11:15 AM - 12:00 PM
Session V. Live Case #3: Mitral/Tricuspid
Live Case Moderators: Mark Reisman, Jason H. Rogers
Live Case Discussants: Adam B. Greenbaum, Matthew J. Price, Maurice E. Sarano, Joachim Schofer, Lars Sondergaard, Maurizio Taramasso, Dee Dee Wang, Brian K. Whisenant

Bioskills Factoid: Dmitry B. Levin

11:15 AM  Live Case #3: Heart Center of Universitätsmedizin Mainz, Mainz, GE
Live Case Operators: Ralph Stephan von Bardeleben

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TVT MAIN ARENA DAY 1: TAVR - THURSDAY, JUNE 21ST

THURSDAY, JUNE 21, 2018
2:00 PM - 6:00 PM
Sheraton Chicago Ballroom IV-VII
Accreditation: CME,MOC

2:00 PM - 2:30 PM
Session I. Live Cases #4: TAVR
Live Case Moderators: Martin B. Leon, Vinod H. Thourani
Live Case Discussants: John D. Carroll, Megan Coylewright, Linda D. Gillam, Susan Strong, Carl L. Tommaso, Bernard Vasseur, Stephan Windecker, Larry L. Wood
Bioskills Factoid: Dmitry B. Levin

2:00 PM  Live Case #4: St. Paul’s Hospital, Vancouver, Canada - TAVR
Live Case Operators: John G. Webb, David A. Wood

2:30 PM - 3:30 PM
Session II. Policy Forum on Aortic Valve Replacement Therapy: A Call for Clarity and Parity (Part 1)
Moderators: Daniel A Canos, Martin B. Leon, Vinod H. Thourani
Discussants: John D. Carroll, Megan Coylewright, Linda D. Gillam, Susan Strong, Carl L. Tommaso, Bernard Vasseur, Stephan Windecker, Larry L. Wood

3:07 PM  Multisociety Appropriate Use Criteria for the Treatment of Patients With Severe Aortic Stenosis: A Useful Guide for Clinical Decision-making?
Lecturers: Linda D. Gillam

3:15 PM  Animated Discussion

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3:30 PM - 4:00 PM
Session III. Live Cases #5: TAVR
Live Case Moderators: Michael J. Mack, Nicolo Piazza
Live Case Discussants: Alexandre Abizaid, John D. Carroll, Danny Dvir, Philippe Genereux, Amar Krishnaswamy, Wesley R. Pedersen, Ashish Pershad
Bioskills Factoid: Dmitry B. Levin

3:30 PM  Live Case #5: Cedars-Sinai Medical Center, Los Angeles, CA - TAVR
Live Case Operators: Tarun Chakravarty, MD, Moody Makar, MD, Raj Makkar, Mamoo Nakamura, MD, Sabah Skaf, MD

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4:00 PM - 5:00 PM
Session IV. Policy Forum on Aortic Valve Replacement Therapy: A Call for Clarity and Parity (Part 2)
Moderators: Michael J. Mack
Co Moderator: Bernard Prendergast
Discussants: Alexandre Abizaid, John D. Carroll, Danny Dvir, Philippe Genereux, Nicole Ibrahim, John C Laschinger, Nicolo Piazza, Changfu Wu

4:00 PM  Innovative FDA Approaches to Future Clinical Research: Proposal for a Cardiac Device Coordinated Research Network (CDCRN)
Lecturers: John C Laschinger

4:08 PM  Refining the Innovation Process in the US: Evolution to an Early Feasibility Study (EFS) Network
Lecturers: Michael J. Mack

4:16 PM  An Introduction to VARC-3: A Focused Update New Endpoints and Definitions for Aortic Valve Clinical Research
Lecturers: Nicolo Piazza
New Standards for SAVR and TAVR Bioprosthetic Valve Dysfunction and Failure: A Consensus Statement from EAPCI, ESC, and EACTS
Lecturers: Bernard Prendergast

4:32 PM Perspectives From the STS/ACC TVT Registry: Factors That Impact Clinical Outcomes
Lecturers: John D. Carroll

4:40 PM Animated Discussion

5:00 PM - 5:30 PM
Session V. Live Cases #6: TAVR
Live Case Moderators: Vinayak Bapat, Susheel K. Kodali
Live Case Discussants: Jung-Min Ahn, Philipp Blanke, Ariel Finkelstein, Albert Markus Kasel, Omar K. Khalique, Patrick M. McCarthy, Didier Tchetche, Mathew Williams
Bioskills Factoid: Dmitry B. Levin

5:00 PM Live Case #6: St. Paul's Hospital, Vancouver, Canada - TAVR
Live Case Operators: John G. Webb, David A. Wood

5:30 PM - 6:00 PM
Session VI. TAVR Hot Topics I: Treatment of Bicuspid Aortic Valve Disease
Moderators: Susheel K. Kodali, Michael J. Reardon
Discussants: Jung-Min Ahn, Philipp Blanke, Ariel Finkelstein, Albert Markus Kasel, Omar K. Khalique, Patrick M. McCarthy, Didier Tchetche, Mathew Williams

5:30 PM Point: TAVR Will Be the Treatment of Choice for Bicuspid Aortic Valve Disease in the Future!
Lecturers: Mathew Williams

5:40 PM Counterpoint: Most Bicuspid Aortic Valves (Especially In Younger Low-Risk Patients) Will Remain in the Surgical Domain!
Lecturers: Patrick M. McCarthy

5:50 PM Panel Discussion

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

**THURSDAY, JUNE 21, 2018**
12:15 PM - 1:30 PM
Sheraton II-III

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

12:30 PM - 1:30 PM
Chairs: Martin B. Leon, Michael J. Mack
Faculty: Megan Coylewright, Philippe Genereux, Sandra Lauck, Molly Szerlip, Vinod H. Thourani

12:30 PM Current Guidelines, Indications, Referral Practices, and Treatment Decision-making Are Quickly Becoming Obsolete
Lecturers: Philippe Genereux

12:52 PM Optimizing TAVR
Lecturers: Martin B. Leon

1:02 PM Patient Preference and Shared Decision-making (SDM): Buzz Words or the New Normal?
Lecturers: Megan Coylewright

1:12 PM The CMS TAVR National Coverage Determination (NCD): Why It Needs to Change
Lecturers: Martin B. Leon

1:17 PM Panel Discussion

1:30 PM Adjourn

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

**THURSDAY, JUNE 21, 2018**
12:15 PM - 1:30 PM
Chicago Ballroom X
**12:30 PM - 1:30 PM**

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

_Chairs:_ Mark Reisman  
_Faculty:_ Creighton W. Don, Ted Feldman, Azeem Latib, G. Burkhard Mackensen, Francesco Maisano, David G. Rizik

12:30 PM  **Welcome and Introductions**  
_Lecturers:_ Mark Reisman

12:35 PM  **The New Mitraclips: Impact on Technique and Patient Selection**  
_Lecturers:_ Francesco Maisano

12:45 PM  **Top Ten Lessons I Learned As an Experienced Mitraclip Operator: Dos and Don'ts**  
_Lecturers:_ Mark Reisman

12:55 PM  **Imaging Clefts, Calcium MAC, and Leaks Between Clips: Case Learning**  
_Lecturers:_ G. Burkhard Mackensen

1:05 PM  **Use of the MitraClip in Hemodynamically Unstable Patients**  
_Case Presenter:_ Creighton W. Don

1:13 PM  **Roundtable Discussion**

1:15 PM  **My Best Case**  
_Lecturers:_ David G. Rizik

1:20 PM  **My Most Challenging Case**  
_Lecturers:_ Jason H. Rogers

1:25 PM  **The Case I Wish I Never Attempted**  
_Lecturers:_ Ted Feldman

1:30 PM  **Adjourn**

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

**THURSDAY, JUNE 21, 2018**

**12:15 PM - 1:30 PM**

_Chicago Ballroom VIII_

**12:15 PM - 12:30 PM**

_Check-in & Lunch_

**12:30 PM - 1:30 PM**

**TMVR: Preparing for the Next Revolution**

-Co Chairs:_ David H. Adams, Martin B. Leon, Christopher U. Meduri  
_Faculty:_ Vinayak Bapat, Michael J. Mack, Nicolo Piazza, Vivek Rajagopal

12:30 PM  **Introduction**  
_Lecturers:_ Christopher U. Meduri

12:34 PM  **Transcatheter Mitral Valve Replacement: Rationale and Trial Design Considerations**  
_Lecturers:_ Martin B. Leon

12:44 PM  **Discussion and Audience Interaction**

12:47 PM  **CT Imaging and Screening the Transcatheter Mitral Valve Replacement Patient**  
_Lecturers:_ Nicolo Piazza

12:57 PM  **Discussion and Audience Interaction**

1:00 PM  **Optimizing Medical Care for the Transcatheter Mitral Valve Replacement Patient**  
_Lecturers:_ Vivek Rajagopal

1:10 PM  **Discussion and Audience Interaction**

1:13 PM  **Intrepid Transcatheter Mitral Valve Replacement Global Pilot Study Outcomes: Lessons Learned**  
_Lecturers:_ Michael J. Mack

1:23 PM  **Discussion and Audience Interaction**

1:26 PM  **Session Evaluation and Key Learnings**  
_Lecturers:_ Martin B. Leon, Christopher U. Meduri
INTERACTIVE TRAINING WORKSHOP - TRANS-SEPTAL TRAINING WORKSHOP #1

THURSDAY, JUNE 21, 2018
8:00 AM - 10:00 AM
Mayfair, Meeting Level 2

8:00 AM - 10:00 AM
Trans-septal Training Workshop #1 - 6/21
Moderators: Ted Feldman, G. Burkhard Mackensen, Torsten P. Vahl, Giora Weisz

8:00 AM  Welcome Remarks
Lecturers: Ted Feldman

8:02 AM  Step-by-step Trans-septal: Technique, Equipment, and Complications
Lecturers: Ted Feldman

8:12 AM  Instructional Videos

INTERACTIVE TRAINING WORKSHOP: ABBOTT AMULET LAA TRAINING WORKSHOP (HOURLY)

THURSDAY, JUNE 21, 2018
8:00 AM - 6:15 PM
Michigan

INTERACTIVE TRAINING WORKSHOP: ABBOTT MITRACLIP NTR/XTR DEVICE AND PROCEDURAL OVERVIEW FOR NON-MITRACLIP IMPLANTERS (HOURLY)

THURSDAY, JUNE 21, 2018
8:00 AM - 6:15 PM
Michigan

INTERACTIVE TRAINING WORKSHOP: ABBOTT MITRACLIP NTR/XTR TRAINING FOR CURRENT MITRACLIP NT IMPLANTERS (HOURLY)

THURSDAY, JUNE 21, 2018
8:00 AM - 6:15 PM
Michigan

INTERACTIVE TRAINING WORKSHOP: ABBOTT PFO ANATOMY/IMAGING AND PROCEDURAL WORKSHOP (HOURLY)

THURSDAY, JUNE 21, 2018
8:00 AM - 6:15 PM
Michigan

INTERACTIVE TRAINING WORKSHOP: ADVANCING YOUR LAAC SKILLS - BEYOND THE BASICS #1

THURSDAY, JUNE 21, 2018
10:15 AM - 12:15 PM
Mayfair, Meeting Level 2

10:15 AM - 12:15 PM
Interactive Training Workshop: Advancing Your LAAC Skills -Beyond the Basics
Moderators: Stanley Clark, Mark J. Goodwin, Brij Maini, Moeem Saleem

INTERACTIVE TRAINING WORKSHOP-TRANS-SEPTAL TRAINING WORKSHOP #2
THURSDAY, JUNE 21, 2018
2:00 PM - 4:00 PM
Mayfair, Meeting Level 2

2:00 PM - 4:00 PM
Trans-septal Training Workshop #2 - 6/21
Moderators: Rebecca T. Hahn, Tamim Nazif, Torsten P. Vahl, Jonathon M. White

- 2:00 PM Welcome Remarks
  Lecturers: Tamim Nazif
- 2:02 PM Step-by-step Trans-septal: Technique, Equipment, and Complications
  Lecturers: Tamim Nazif
- 2:12 PM Instructional Videos

INTERACTIVE TRAINING WORKSHOP: ADVANCING YOUR LAAC SKILLS - BEYOND THE BASICS #2

THURSDAY, JUNE 21, 2018
4:15 PM - 6:15 PM
Mayfair, Meeting Level 2

4:15 PM - 6:15 PM
Interactive Training Workshop: Advancing Your LAAC Skills - Beyond the Basics
Moderators: Mark J. Goodwin, Brij Maini, Thomas Smith, Steven J. Yakubov

TVT MODERATED POSTER SESSIONS: MITRAL/TRICUSPID I - STATION 2

THURSDAY, JUNE 21, 2018
8:00 AM - 12:15 PM
Station 2, Ballroom Promenade, 4th Floor
Accrediation: CME,MOC

8:00 AM - 10:00 AM
Part 1: MitraClip
Moderators: Nicole Ibrahim, Brij Maini

- 8:00 AM Early Reverse Cardiac Remodeling After Transcatheter Repair of Degenerative Mitral Regurgitation
  Lecturers: Tiffany Chen, MD
- 8:10 AM Discussion
  Lecturers: Gilbert H.L. Tang
- 8:25 AM Discussion
- 8:30 AM Indications and Outcomes for Iatrogenic Atrial Septal Defect Closure After Transseptal Mitral Valve Interventions
  Lecturers: Neil Beri, MD
- 8:40 AM Discussion
- 8:45 AM Impact of Mitral Valve Pathology and MitraClip Characteristics on Recurrent Mitral Regurgitation After Transcatheter Mitral Valve Repair Using MitraClip
  Lecturers: Syed Zaid, MD
- 8:55 AM Discussion
- 9:00 AM Survival and Cardiovascular Outcomes of Patients With Secondary Mitral Regurgitation
  Lecturers: Anna Sannino, MD
- 9:10 AM Discussion
- 9:15 AM Use of MitraClip As a Novel Strategy to Target SAM in Severe Diffuse-Type Hypertrophic Cardiomyopathy
  Lecturers: Ashleigh Long, MD
- 9:25 AM Discussion
- 9:30 AM Transcatheter Mitral Valve Repair Using the MitraClip System, or Simply the MitraClip Procedure, Is a Therapeutic Option in High-Risk Surgical or Inoperable Patients: Report on a Case of Ineffective Endocarditis in a Patient With MitraClip Prosthesis

TRANSCATHETER VALVE THERAPIES | THURSDAY, JUNE 21, 2018

Last Updated 06/25/2018  Page: 10
9:40 AM  
Discussion  

9:45 AM  
Apixaban After Percutaneous Edge-to-Edge Mitral Valve Repair in Patients With Maintained Sinus Rhythm  
Lecturers: Julia Seeger  

9:55 AM  
Discussion  

10:00 AM - 12:15 PM  
Part 2: TMVR/Tricuspid and Other  
Moderators: Neil P. Fam, William A. Gray  

10:00 AM  
Suitability of Transcatheter Mitral Valve Replacement in Patients With Significant Mitral Regurgitation After Transcatheter Aortic Valve Replacement  
Lecturers: Hesham Elzomor, MD  

10:10 AM  
Discussion  

10:15 AM  
Is There a Therapeutic Limit to Sequential Mitral Valve-in-Valve? Hydrodynamic Analysis of Sequential Valve-in-Valve Using the Inovare Prosthesis in Surgical Mitral Bioprosthesis  
Lecturers: Diego Gaia, MD  

10:25 AM  
Discussion  

10:30 AM  
Changes in Aortomitral Annular Angle After Transcatheter Aortic Valve Replacement: Implications for Transcatheter Mitral Valve Replacement  
Lecturers: Syed Zaid, MD  

10:40 AM  
Discussion  

10:45 AM  
CT-Derived Simulation to Predict Device Position, Deformation, and NeoLVOT for TMVR Procedures: A Proof of Concept Study  
Lecturers: Julie Maes, MD  

10:55 AM  
Discussion  

11:00 AM  
The Biomechanical Forces Associated With Rupturing the Chordae Tendineae of Human Mitral and Tricuspid Valves: Implications for Transcatheter Valvular Systems  
Lecturers: Jorge Zhingre Sanchez, MD  

11:10 AM  
Discussion  

11:15 AM  
Early Experience With the Braile Inovare Compassionate Use for TMVR in Mitral Annular Calcification Procedures  
Lecturers: Diego Gaia, MD  

11:25 AM  
Discussion  

11:30 AM  
Predictors of Non-home Discharge Following Transcatheter Aortic Valve Replacement  
Lecturers: Katherine Hebeler, MD  

11:40 AM  
Discussion  

11:45 AM  
Multipigtail Technique Is Associated With Less Contrast Use and Fluoroscopic Adjustment in Determining Perpendicular Angle of Deployment for Transcatheter Aortic Valve Replacement  
Lecturers: Maia Eng, MD  

11:55 AM  
Discussion  

12:00 PM  
Commissural Misalignment and Interference With Coronary Orifices From Transcatheter Heart Valves: Impact of Neo-commissures on Coronary Access After TAVR  
Lecturers: Gilbert H.L. Tang  

12:10 PM  
Discussion  

TVT MODERATED POSTER SESSIONS: TAVR I - STATION 1  

THURSDAY, JUNE 21, 2018  
8:00 AM - 11:30 AM  
Station 1, Ballroom Promenade, 4th Floor  
Accreditation: CME,MOC
The Mind-Body Connection: Does Transcatheter Aortic Valve Replacement Reduce the Incidence of New Postoperative Anxiety and Depression?
Lecturers: J. Matthew Brennan, MD

Discussion

TAVR Outcomes in Patients With Chronic Total Occlusion
Lecturers: Travis Howard, MD

Discussion

Prevalence of Fragmented QRS in Patients With Severe Aortic Stenosis and Clinical Impact Two Years After Aortic Valve Replacement in PARTNER 2A Trial
Lecturers: Fabien Praz

Discussion

TAVR With the Largest Balloon-Expandable vs Self-Expanding Valve in Very Large Annuli: A Multicenter Study
Lecturers: Gilbert H.L. Tang

Discussion

Preoperative Risk of Mortality and Its Effect on Total Costs After Transcatheter Aortic Valve Replacement
Lecturers: Alexis Okoh, MD

Discussion

Clinical Implications of Baseline Six-Minute Walk Test Performance in Intermediate Risk Patients Undergoing Transcatheter Aortic Valve Implantation
Lecturers: Janarthanan Sathananthan, MD

Discussion

Part 2: TAVR
Moderators: Tarun Chakravarty, Chetan P. Huded

Predictors of Non-home Discharge After Transcatheter Aortic Valve Replacement
Lecturers: Alexis Okoh, MD

Discussion

Early Bird: A Novel Real Time Internal Bleed Monitoring System for Vascular Access Procedures
Lecturers: Philippe Genereux

Discussion

Aorto-Iliac Arterial Disease Intervention During Transcatheter Aortic Valve Replacement to Allow Trans-Femoral Approach
Lecturers: Teresa Sousa MSN, FNP-BC

Discussion

Hemodynamics of Balloon-Expandable vs Self-Expanding Transcatheter Aortic Valves
Lecturers: Sourabh Aggarwal, MD

Discussion

Inovare Proseal: New Transcatheter Prosthesis Aiming Zero Paravalvular Leak
Lecturers: Diego Gaia, MD

Discussion

Same or Next Day Discharge After Transcatheter Aortic Valve Replacement: A Single Center's Experience
Lecturers: Alexis Okoh, MD

Discussion

Quantifying the Proximities of the Tricuspid Annulus to the Right Coronary Artery and Triangle of Koch: Implications for Transcatheter Tricuspid Annuloplasty Therapies
Lecturers: Jorge Zhingre Sanchez, MD

Discussion

TVT NEW TECHNOLOGY FORUM: TAVR I

THURSDAY, JUNE 21, 2018
8:00 AM - 11:35 AM
Sheraton Ballroom II-III
Accreditation: CME,MOC
8:00 AM - 9:45 AM

TAVR Accessories, Part 1: Cerebral Embolic Protection Devices for Stroke Prevention
Moderators: Eberhard Grube, Tamim Nazif
Discussants: Hemal Gada, Susheel K. Kodali, Alexandra J. Lansky, Brian R Lindman, Axel Linke, Joachim Schofer, Changfu Wu

8:00 AM  |  Strokes After TAVR (and SAVR): Incidence in the "Modern Era" and Key Messages From NeuroARC
Lecturers: Alexandra J. Lansky

8:10 AM  |  Discussion

8:15 AM  |  Strokes After Transfemoral TAVR vs SAVR: A Propensity-Matched Analysis From the PARTNER Trial
Lecturers: Chetan P. Huded

8:25 AM  |  Discussion

8:30 AM  |  Cost-effectiveness of Cerebral Protection During TAVR: Can We Justify Systematic Use?
Lecturers: Hemal Gada

8:40 AM  |  Discussion

9:09 AM  |  Discussion

9:15 AM  |  Keystone TRIGUARD Cerebral Embolic Protection During TAVR: New Generation Devices and the Status of Ongoing Clinical Trials
Lecturers: Tamim Nazif

9:25 AM  |  Discussion

9:45 AM - 11:00 AM

TAVR Accessories, Part 2: Vascular Access and Closure
Moderators: Isaac George, James M. McCabe
Discussants: Alexandre Abizaid, Keith B. Allen, Adam B. Greenbaum, Ran Kornowski, Amisha Patel, Jonathon M. White

9:45 AM  |  Ten Tips to Achieve Optimal Percutaneous Transfemoral Access and Closure for TAVR
Lecturers: Jonathon M. White

9:53 AM  |  Discussion

11:00 AM - 11:35 AM

TAVR Accessories, Part 3: Pacemakers and Valvuloplasty
Moderators: Tamim Nazif, Steven J. Yakubov
Discussants: Colin M. Barker, Philippe Genereux, Juan F. Granada, Susheel K. Kodali, Ran Kornowski, Darren Mylotte, Wesley R. Pedersen

11:00 AM  |  Improved Temporary Transvenous Pacemakers: The BioTrace Tempo Lead
Lecturers: Steven J. Yakubov

11:08 AM  |  Discussion

11:10 AM  |  The "Family" of TRUE Balloons: Design Characteristics and Clinical Applications
Lecturers: Susheel K. Kodali

11:16 AM  |  New Applications for the V8 Valvuloplasty Balloon
Lecturers: Wesley R. Pedersen

11:22 AM  |  Shockwave Aortic Valve Remodeling: Experimental Findings and Future Clinical Applications
Lecturers: Eberhard Grube

11:27 AM  |  Pi-Cardia Leaflex Aortic Valve Remodeling: Experimental Findings and Early Human Experiences
Lecturers: Darren Mylotte

11:32 AM  |  Discussion

TVT CHALLENGING CASE SESSION 1: TAVR I

THURSDAY, JUNE 21, 2018
8:30 AM - 11:50 AM
Chicago Ballroom IX
Accreditation: CME,MOC

8:30 AM - 10:00 AM
Part I. TAVR
Moderators: Ashish Pershad
Discussants: Mehul Patel, Gidon Yehuda Perlman
8:30 AM  Iliac Lithoplasty to Facilitate Transfemoral Aortic Valve Implantation in a Patient With Severe Vascular Disease  
Lecturers: Miroslava Stolcova, MD
8:37 AM  Discussion
8:40 AM  Direct Aortic TAVR Balloon Burst and Stuck! A Creative Way to Retrieve It  
Lecturers: Tilak Pasola, MD
8:47 AM  Discussion
8:50 AM  What a NEAR MISS! Aortic Sinus to RV Fistula Post-TAVR Treated With Percutaneous Closure - Be Careful When Postdilating!  
Lecturers: William Merhi, MD
8:57 AM  Discussion
9:00 AM  A Rare Cause of Stroke After TAVR: Foreign Body  
Lecturers: Abhishek Bhagat, MD
9:07 AM  Discussion
9:10 AM  An Unexpected Apparition - or - Old Valves Die Hard  
Lecturers: Takehiro Yamashita, MD
9:17 AM  Discussion
9:20 AM  Transcaval TAVR Complicated by Double Wammy  
Lecturers: Waleed Alharbi, MD
9:27 AM  Discussion
9:30 AM  Urgent Transcatheter Aortic Valve Replacement for Severe Acute Aortic Regurgitation Following Open Mitral Valve Surgery  
Lecturers: Roberto Spina, MD
9:37 AM  Discussion
9:40 AM  Aortic Paravalvular Amplatzer Plug Extractions, Valve-in-Valve TAVR, and Intentional Bioprosthetic Valve Fracture: Percutaneous Aortic Annular Reconstruction to Eliminate Large Paravalvular Gaps With Severe Leak and Achieve Competence  
Lecturers: Mehul Patel
9:47 AM  Discussion
9:50 AM  Transcatheter Aortic Valve Replacement for Aortic Insufficiency in an LVAD Patient  
Lecturers: Laura Davidson, MD
9:57 AM  Discussion

10:00 AM - 11:50 AM
Part II. TAVR
Moderators: Howard C. Herrmann, Fabian Nietlispach
Discussants: David J. Cohen, Reda Ibrahim, Alexander Lauten, David Meerkin, Ramon Quesada

10:00 AM  Sub-Xiphoid Trans-Aortic TAVI in a Patient With Severe Arterial Calcifications  
Lecturers: Matja Bunc, MD
10:07 AM  Discussion
10:10 AM  Intravascular Lithotripsy Facilitated Transfemoral TAVR After Subclavian Arterial Access Failure  
Lecturers: Chandan Devireddy, MD
10:17 AM  Discussion
10:20 AM  Hybrid Beating Coronary Artery Bypass Grafting and Transcatheter Aortic Valve Replacement via Right Carotid Artery Access in a Patient With Severe Peripheral Arterial Disease  
Lecturers: Marc Gerdisch, MD
10:27 AM  Discussion
10:30 AM  Periprocedural Transaortic Valve LVOT Migration With Successful Reposition: "The Double-Snare Technique  
Lecturers: Matja Bunc, MD
10:37 AM  Discussion
10:40 AM  Acute Left Main Stem Coronary Occlusion Following Transcatheter Aortic Valve Replacement in a Patient Without Recognized Coronary Obstruction Risk Factors  
Lecturers: Roberto Spina, MD
10:47 AM  Discussion
10:50 AM  Coronary Occlusion Following Self-Expandable Transcatheter Aortic Valve Replacement in Native Aortic Valve Regurgitation  
Lecturers: Mohamad Lazkani, MD
10:57 AM  Discussion
11:00 AM  Subtotal Left Main Occlusion Two Days After Transcatheter Aortic Valve Replacement in Severe Bicuspid Aortic Stenosis
Recurrent Leaflet Thrombosis After Sapien 3 Valve-in-Valve TAVR
Lecturers: Hassan Ahmad, MD
11:07 AM
Discussion

Early Degeneration of First Generation Sapien Valve Treated With Valve-in-Valve Evolut R Valve
Lecturers: Cenap Undemir, MD
11:10 AM
Discussion

Use of Perfusion Balloon to Assess for Neo-Left Ventricular Outflow Tract Obstruction During Transcatheter Mitral Valve-in-Valve Implantation
Lecturers: Somsupha Kanjanauthai, MD
11:20 AM
Discussion

TVT HOT TOPICS: TAVR I

THURSDAY, JUNE 21, 2018
8:30 AM - 11:45 AM
Chicago Ballroom X
Accreditation: CME,MOC

8:30 AM - 9:30 AM
Session 1: Management of Aortic Stenosis and Concomitant Disease
Moderators: Anita Asgar, James B. Hermiller Jr
Discussants: Aaron Horne, Jr., Sandra Lauck, Fabian Nietlispach, Bernard Prendergast, Maurice E. Sarano, Jonathan M. White

9:30 AM - 11:05 AM
Session 2: Significant Procedural Complications After TAVR
Moderators: Azeem Latib, Philippe Pibarot
Discussants: Colin M. Barker, Megan Coylewright, Sameer Gafoor, Omar K. Khalique, Shigeru Saito, Gilbert H.L. Tang

11:05 AM - 11:45 AM
Session 3: TAVR Access and Underserved Populations
Moderators: Randolph P. Martin, Mark J. Russo

11:05 AM Societal Impact of Access Restrictions to TAVR: Viewpoint From The Canadian Health Technology Assessment (HTA) Agency
Lecturers: Harindra Wijeysundera

11:13 AM Exploring the Volume-Outcome Relationship With TAVR: Influences of New Devices and Crowd Learning
Lecturers: Mark J. Russo

11:21 AM Pilot Programs to Address Reduced TAVR Access in Underserved Populations and Communities
Lecturers: Aaron Horne, Jr.

11:29 AM The Underdiagnosis of Aortic Stenosis: A Novel Approach Using Machine Learning to Improve Acquisition and Interpretation of Echocardiograms
Lecturers: Randolph P. Martin

11:37 AM Discussion

TVT PHYSICIAN TRAINING SEMINARS AND CLINICAL CONTROVERSIES: TAVR I

THURSDAY, JUNE 21, 2018
8:30 AM - 11:45 AM
Chicago Ballroom VIII
Accreditation: CME,MOC

8:30 AM - 10:00 AM
Physician Training Seminar 1: Management of Aortic Bioprosthetic Valve Failure: A Valve-in-Valve Case-Based Workshop
Moderators: Vinayak Bapat, Ran Kornowski
Discussants: Adnan K. Chhatriwalla, Danny Dvir, Ariel Finkelstein, Kendra J. Grubb, Michael J. Mack, Thomas Modine, Mark J. Russo

8:30 AM Recent Lessons from the Global Aortic VIVID Registry Optimizing Procedural Outcomes
Lecturers: Danny Dvir
8:40 AM Updates from the PARTNER Aortic Valve-in-Valve Registry
Lecturers: Michael J. Mack

8:48 AM Updates from the EVOLUT R Aortic Valve-in-Valve Registry (VIVA)
Lecturers: Ran Kornowski

8:56 AM A Tutorial on Surgical Bioprosthesis Design: Impact on ViV Therapy
Lecturers: Vinayak Bapat

9:04 AM Discussion

9:10 AM Case #1: A Poorly Visible Surgical Bioprosthesis
Case Discussants: Isaac George
Case Presenter: Molly Szerlip

9:18 AM Case #2: A Stentless (or Stented With Leaflets 'Outside the Stent) Surgical Bioprosthesis
Case Discussants: Brian K. Whisenant
Case Presenter: Saif Anwaruddin

9:26 AM Case #3: A 'Small (Undersized) Surgical Bioprosthesis
Case Discussants: Michael J. Reardon
Case Presenter: Kendra J. Grubb

9:34 AM How to Screen for Risk of Coronary Obstruction Risk on CT Prior to Aortic Valve-in-Valve Procedures
Lecturers: Philipp Blanke

9:42 AM 'To Crack or Not to Crack: The Role of Fracturing Bioprosthetic Valves During ViV Procedures
Lecturers: Adnan K. Chhatriwalla

9:50 AM 'To Split or Not to Split: The Role of BASILICA to Reduce the Risk of Coronary Obstruction During ViV (and other TAVR) Procedures
Lecturers: Adam B. Greenbaum

10:00 AM - 10:45 AM Clinical Controversies 1: TAVR for Bicuspid Aortic Valve Disease
Moderators: John C. Laschinger, Mathew Williams
Discussants: Jung-Min Ahn, Nicolas Dumonteil, John K. Forrest, Hasan Jilaihawi, Michael J. Mack, Randolph P. Martin, Didier Tchetche

10:00 AM A Surgeon’s Perspective of Bicuspid Aortic Valve Disease
Anatomic Patterns Favorable for TAVR
Lecturers: Michael J. Mack

10:08 AM A CT Imaging Perspective of Bicuspid Aortic Valve Disease
Anatomic Patterns Favorable for TAVR
Lecturers: Jonathon A. Leipsic

10:16 AM TAVR Device Selection and CT Sizing for Bicuspid Aortic Valves
Lecturers: Didier Tchetche

10:24 AM Instructive Case Examples: A 'Tale of Three Bicusps... To Treat or Not to Treat?
Lecturers: Hasan Jilaihawi

10:32 AM TAVR Outcomes for Bicuspid Aortic Valve Disease in Asian Patients
Lecturers: Jung-Min Ahn

10:40 AM Discussion

10:45 AM - 11:45 AM Physician Training Seminar 2: Clinical Indications for TAVR Current and Future (Part 1)
Moderators: Allan Schwartz, Stephan Windecker
Discussants: Anita Asgar, John D. Carroll, James B. Hermiller Jr, Martin B. Leon, Neil E. Moat, Jeffrey J. Popma, Michael J. Reardon

10:45 AM TAVR Case Selection in the Real World: Based on Society Guidelines OR Risk Models OR Clinical and Anatomic Factors?
Lecturers: Neil E. Moat

10:55 AM Discussion

11:25 AM Once the 'Cycle of Low-Risk Studies is Completed, Predicting the Role of Surgery and Surgeons in the Treatment of Aortic Stenosis
Lecturers: Michael J. Reardon

11:35 AM Discussion

CARDIOVASCULAR TEAM PROFESSIONALS SYMPOSIUM

THURSDAY, JUNE 21, 2018
2:00 PM - 4:00 PM
Chicago Ballroom X
Accreditation: MOC,CME

2:00 PM - 4:00 PM
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<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Lecturers</th>
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<tbody>
<tr>
<td>2:00 PM</td>
<td><strong>Diagnostic Evaluation: Historical Requirements and Emerging Evidence (LHC, TTE, TEE, CTA, Carotid US, PFTs)</strong></td>
<td>Kim Guibone</td>
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<td>2:08 PM</td>
<td><strong>Patient Selection: Making the Subjective Objective (Frailty, Depression)</strong></td>
<td>Marian C. Hawkey</td>
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<td>2:16 PM</td>
<td><strong>Intraprocedural Efficiencies</strong></td>
<td>Janet F. Wyman</td>
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<td>2:24 PM</td>
<td><strong>Measuring the Patient's Perspective: Quality of Life After TAVR</strong></td>
<td>Sandra Lauck</td>
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<td>2:32 PM</td>
<td><strong>Panel Discussion</strong></td>
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<td>2:42 PM</td>
<td><strong>Mitrval Valve Evaluation and the Transcatheter Repair/Replacement Decision Tree</strong></td>
<td>Asma Hussaini</td>
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<td>2:50 PM</td>
<td><strong>Postprocedure Care of the Patient s/p TMVR</strong></td>
<td>Marcus R. Burns</td>
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<td>2:58 PM</td>
<td><strong>Using Novel Solutions to Treat Valvular Heart Disease</strong></td>
<td>Adam B. Greenbaum</td>
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<td>3:08 PM</td>
<td><strong>Patient Care Pearls: Top 5 for LAAO and Top 5 for PFO Closure</strong></td>
<td>Patricia Keegan</td>
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<td>3:16 PM</td>
<td><strong>SH Registry Update: TVT and LAAO</strong></td>
<td>Joan Michaels</td>
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<td>3:31 PM</td>
<td><strong>Staffing the Structural Heart and Valve Center: The Roles of Cardiovascular Team Professionals</strong></td>
<td>Elizabeth M. Perpetua, Susan J. Schnell</td>
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<tr>
<td>3:45 PM</td>
<td><strong>Panel Discussion and Conclusions</strong></td>
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**TVT CHALLENGING CASE SESSION 2: MITRAL I**

**THURSDAY, JUNE 21, 2018**  
2:00 PM - 5:00 PM  
Chicago Ballroom IX  
Accreditation: MOC,CME

**Part I. Mitral**
Moderators: Patrick M. McCarthy, David Meerkin  
Discussants: William A. Gray, Thomas Modine, Amisha Patel, David G. Rizik, Allan Schwartz, Steven J. Yakubov

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<tr>
<th>Time</th>
<th>Presentation</th>
<th>Lecturers</th>
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<tr>
<td>2:00 PM</td>
<td><strong>Complex Retrieval of a Detached MitraClip Using a Two Snare Technique</strong></td>
<td>Benjamin Stripe, MD</td>
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<td>2:07 PM</td>
<td><strong>Discussion</strong></td>
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<tr>
<td>2:10 PM</td>
<td><strong>Salvage Transcatheter Mitral Valve Repair for Acute Rupture of Anterolateral Papillary Muscle With Associated Hemodynamic Collapse</strong></td>
<td>Matthew J. Price</td>
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<td>2:17 PM</td>
<td><strong>Discussion</strong></td>
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<tr>
<td>2:20 PM</td>
<td><strong>Longer Is Not Always Better...</strong></td>
<td>Maurizio Taramasso</td>
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<td>2:27 PM</td>
<td><strong>Discussion</strong></td>
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<td>2:30 PM</td>
<td><strong>Catching a &quot;MitraFly&quot;</strong></td>
<td>Tilak Pasala, MD</td>
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<td>2:37 PM</td>
<td><strong>Discussion</strong></td>
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<tr>
<td>2:40 PM</td>
<td><strong>Transcatheter Replication of Surgical Mitral Repair</strong></td>
<td>David Meerkin</td>
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<td>2:47 PM</td>
<td><strong>Discussion</strong></td>
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<td>2:50 PM</td>
<td><strong>Pick Your Poison: Complex Aortic Valve and Mitral Valve Disease</strong></td>
<td>Vivian Ng, MD</td>
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<td>2:57 PM</td>
<td><strong>Discussion</strong></td>
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**Cardiovascular Team Professionals Symposium**  
Co Chairs: Patricia Keegan, Elizabeth M. Perpetua  
Panelists: Jennifer Daniel, Susan J. Schnell, Janet F. Wyman
3:00 PM Balloon Fracture of a Surgical Mitral Bioprosthesis During Valve-in-Valve Transcatheter Mitral Valve Replacement  
Lecturers: Brian Plunkett, MD

3:07 PM Discussion

3:10 PM A Case of Thrombectomy of Mitral Valve Thrombus During Transcatheter Mitral Valve Replacement  
Lecturers: Giorgio Medranda, MD

3:17 PM Discussion

3:20 PM Simultaneous Transcatheter Aortic and Mitral Valve Replacement  
Lecturers: Sachin Goel, MD

3:27 PM Discussion

3:30 PM - 4:40 PM

Part II. Mitral

Moderators: Scott Lim, Maurizio Taramasso
Discussants: Neil P. Fam, Juan F. Granada, David G. Rizik, Maurice E. Sarano, Nicolas M. Van Mieghem

3:30 PM After Percutaneous Annuloplasty: When the Door Is Kept Open  
Lecturers: Maurizio Taramasso

3:37 PM Discussion

3:40 PM Late Single Leaflet Detachment After Mitraclip Treated With Redo MitraClip  
Lecturers: Hasan Ahmad, MD

3:47 PM Discussion

3:50 PM MitralClip Device for Flail Mitral Valve Leaflet  
Lecturers: Ali Farooq, MD

3:57 PM Discussion

4:00 PM When MAC Is Insufficient, Use Neochords! The Combination of Transcatheter Prosthesis and Neochords to Treat MAC  
Lecturers: Diego Gaia, MD

4:07 PM Discussion

4:10 PM Carillion in Functional MR With Cleft PML  
Lecturers: Tessel N Vossenberg

4:17 PM Discussion

4:20 PM Mitral Valve Double Trouble  
Lecturers: Elvis Cami, MD

4:27 PM Discussion

4:30 PM A Nonclippable Valve Made Clippable  
Lecturers: Massimo Benedetto, MD

4:37 PM Discussion

TVT MODERATED POSTER SESSIONS: TAVR II - STATION 1

THURSDAY, JUNE 21, 2018
2:00 PM - 5:30 PM
Station 1, Ballroom Promenade, 4th Floor
Accrediation: CME,MOC

2:00 PM Significant Differences in Captured Debris Between Different Valve Types Captured by the Sentinel Dual-Filter Cerebral Embolic Protection During Transcatheter Aortic Valve Replacement  
Lecturers: Julia Seeger

2:10 PM Discussion

Lecturers: Anthony Poulin, MD

2:25 PM Discussion
2:30 PM  Significant Reduction of Periprocedural Stroke With Cerebral Embolic Protection During Transcatheter Aortic Valve Replacement: A Patient Level Pooled Analysis  
Lecturers: Julia Seeger

2:40 PM  Discussion

2:45 PM  Post-TAVR Utilization of a Novel Active-Fixation Temporary Pacing Lead  
Lecturers: Daniel Menees, MD

2:55 PM  Discussion

3:00 PM  Impact of Calcific Mitral Stenosis on Survival in Patients With Aortic Stenosis Treated With TAVR  
Lecturers: Anna Sannino, MD

3:10 PM  Discussion

3:15 PM  Outcome of Valve-in-Valve Transcatheter Aortic Valve Replacement for Failed Mitroflow Bioprosthesis  
Lecturers: Matthias Raschpichler, MD

3:25 PM  Discussion

3:30 PM  Predictors of Contrast Volume in Transcatheter Aortic Valve Replacement  
Lecturers: Andrew Goldsweig, MD

3:40 PM  Discussion

3:45 PM  Clinical Predictors of Mortality After Transcatheter Aortic Valve Replacement in Patients With Severe Aortic Stenosis  
Lecturers: Zaher Fanari, MD

3:55 PM  Discussion

4:00 PM - 5:30 PM  
Part 2: TAVR  
Moderators: Ori Ben-Yehuda, Adnan K. Chhatriwalla, Eberhard Grube, Aaron Horne, Jr., Axel Linke

4:00 PM  Clinical Outcomes of Transcatheter Aortic Valve Implantation in Patients With Extra-Large Annulus and SAPIEN 3 Dimensions on Postprocedural Computed Tomography  
Lecturers: Masaki Miyasaka, MD

4:10 PM  Discussion

4:15 PM  Clinical Outcomes of Transcatheter Aortic Valve Replacement Elective Outpatient vs Urgent Inpatient Cohort  
Lecturers: Takahiro Nomura, MD

4:25 PM  Discussion

4:30 PM  Prevalence and Prognostic Impact of Ascending Aortic Dilatation in Patients Undergoing Transcatheter Aortic Valve Replacement for Severe Aortic Stenosis  
Lecturers: Tomoki Ochiai, MD

4:40 PM  Discussion

4:45 PM  Improvement in Right Ventricular Strain Post-Transcatheter Aortic Valve Replacement  
Lecturers: Abdulrahman Abutaleb, MD

4:55 PM  Discussion

5:00 PM  Correlation Between Aortic Angulation and Short and Long-term Outcomes Following Transcutaneous Aortic Valve Replacement (TAVR) With New-Generation Balloon and Self-Expanding Valves  
Lecturers: Tamunoineji Bob-Manuel, MD

5:10 PM  Discussion

5:15 PM  Association Between Red Blood Cell Transfusion and Clinical Outcomes Among Patients Undergoing Transcatheter Aortic Valve Replacement  
Lecturers: Eirini Apostolidou, MD

5:25 PM  Discussion
2:00 PM  
**Extent of Cardiac Damage in Aortic Stenosis Relates to TAVR Outcomes: A Validation of a New Staging System**
Lecturers: Miho Fukui, MD

2:10 PM  
**Discussion**

2:15 PM  
**Intracardiac Echocardiography (ICE) and Computed Tomography (CT) Co-Registration for the Purpose of Guiding Percutaneous Cardiac Interventions**
Lecturers: Jonathan Toma, MD

2:25 PM  
**Discussion**

2:30 PM  
**Left Ventricular Outflow Tract Seal Zone Geometry Non-Tubular Index Predicts New Persistent Left Bundle Branch Block after Edwards Sapien but not Medtronic Evolut R TAVR**
Lecturers: Syed Zaid, MD

2:40 PM  
**Discussion**

2:45 PM  
**Assessment of the Intra-atrial Septum Orientation for Structural Heart Disease Interventions**
Lecturers: Alexander Haak, MD

2:55 PM  
**Discussion**

3:00 PM  
**Left Ventricular Outflow Tract Seal Zone Geometry Non-Tubular Index Predicts New Permanent Pacemaker Implantation after Medtronic Evolut R but not Edwards Sapien 3 TAVR**
Lecturers: Syed Zaid, MD

3:10 PM  
**Discussion**

3:15 PM  
**Bedside Transthoracic Echocardiogram and Angiography at the Time TAVR to Assess Aortic Regurgitation**
Lecturers: Abdullah Alenezi, MD

3:25 PM  
**Discussion**

3:30 PM  
**Changes in Mitral Annular Geometry after Transcatheter Aortic Valve Replacement: Implications on Transcatheter Mitral Valve Replacement**
Lecturers: Syed Zaid, MD

3:40 PM  
**Discussion**

3:45 PM  
**Inovare Proseal Transcatheter Aortic Valve Prosthesis Implant Evaluation Using Computed Tomography**
Lecturers: Diego Gaia, MD

3:55 PM  
**Discussion**

4:00 PM - 5:45 PM  
**Part II: TAVR and Imaging**

Moderators: Tarun Chakravarty, Kendra J. Grubb, Wesley R. Pedersen, Molly Szerlip

4:00 PM  
**Validation of STS/ACC TVT TAVR Score in Veterans Undergoing Transcatheter Aortic Valve Replacement (TAVR)**
Lecturers: Santiago Garcia, MD

4:10 PM  
**Discussion**

4:15 PM  
**Serial Clinical and Echocardiographic Follow-up After TAVI With a Second-Generation, Self-Expandable Acurate Neo System: Insights into Structural Valve Degeneration**
Lecturers: Dimytri Siqueira, MD

4:25 PM  
**Discussion**

4:30 PM  
**The Impact of a Routine Hydration Protocol in Patients Undergoing Transcatheter Aortic Valve Replacement**
Lecturers: Joanne Gomez, MD

4:40 PM  
**Discussion**

4:45 PM  
**Antiplatelet and Anticoagulant Therapy Following Transcatheter Aortic Valve Replacement**
Lecturers: Andrew Goldsweig, MD

4:55 PM  
**Discussion**

5:00 PM  
**Gait Speed Predicts Discharge Placement Following Transcatheter Aortic Valve Replacement**
Lecturers: Majid Asawaer, MD

5:10 PM  
**Discussion**

5:15 PM  
**Echocardiography Derived Predictors of 1-year Outcomes After Transcatheter Aortic Valve Replacement**
Lecturers: Zaher Fanari, MD

5:25 PM  
**Discussion**

5:30 PM  
**Valve Size as a Predictor of Permanent Pacemaker Implantation in Edwards Sapien 3 TAVR Valves: A Single Center Experience**
Lecturers: Mansoor Ahmad, MD
TVT NEW TECHNOLOGY FORUM: MITRAL/TRICUSPID I

THURSDAY, JUNE 21, 2018
2:00 PM - 6:00 PM
Sheraton Ballroom II -III
Accrediation: CME,MOC

2:00 PM - 3:00 PM
Session I: Overview of New Transcatheter Therapies for MR and TR
Moderators: David H. Adams, Howard C. Herrmann
Discussants: James B. Hermiller Jr, Brij Maini, Francesco Maisano, Georg Nickenig, Jason H. Rogers, Gregg W. Stone, Brian K. Whisenant

3:00 PM - 4:34 PM
Session II: Transcatheter Mitral Repair Therapies RAPID FIRE
Moderators: Steven F. Bolling, James B. Hermiller Jr
Discussants: Andrea Colli, Creighton W. Don, Paul A. Grayburn, Michael J. Reardon, Joachim Schofer

4:34 PM - 6:00 PM
Session III: Transcatheter Tricuspid Therapies RAPID FIRE
Moderators: Josep Rodés-Cabau, Stephan Windecker
Discussants: Anita Asgar, Andrea Colli, Creighton W. Don, Azeem Latib, Georg Nickenig, Joachim Schofer

TVT PHYSICIAN TRAINING SEMINAR: MITRAL VALVE INTERVENTIONS

THURSDAY, JUNE 21, 2018
2:00 PM - 6:00 PM
Chicago Ballroom VIII
Accrediation: CME,MOC

2:00 PM - 3:10 PM
Session I: Clinical Data and Patient Selection
Moderators: Anthony N. DeMaria, Karl-Heinz Kuck
Discussants: Saff Anwaruddin, Anita Asgar, Sameer Gafoor, Alexander Lauten, Gilbert H.L. Tang

2:00 PM MitraClip Updates I: Recent Clinical Trial Data and Current OUS Patient Selection Criteria
Lecturers: Anita Asgar

2:10 PM MitraClip Updates II: Lessons From the TVT Registry and Current US Patient Selection Criteria
Lecturers: Paul A. Grayburn

2:20 PM MitraClip Updates III: Expanding Clinical Indications and Anatomic Boundaries
Lecturers: Brian K. Whisenant

2:28 PM Discussion

2:35 PM Who Are the Best Candidates for _ Transcatheter Mitral Valve Annuloplasty (Anatomic and Clinical Factors)
Lecturers: Steven F. Bolling

2:43 PM Who Are the Best Candidates for _ Transcatheter Leaflet/Choral Suspension (Anatomic and Clinical Factors)
Lecturers: Gilbert H.L. Tang

2:51 PM Who Are the Best Candidates for _ Transcatheter Mitral Valve Replacement (Anatomic and Clinical Factors)
Lecturers: Neil E. Moat

2:59 PM Discussion

3:10 PM - 4:10 PM
Session II: How-to Technical Session Mitral Valve-in _ Valve and Ring
Moderators: Mayra Guerrero, Lars Søndergaard
Discussants: Saiibal Kar, Susheel K. Kodali, Matthew J. Price, Chet Rihal, Dee Dee Wang

3:10 PM Mitral Valve-in _ Valve and Ring I: Insights From the VIVID Registry
Lecturers: Ran Kornowski

3:20 PM Mitral Valve-in _ Valve and Ring II: Insights From the MITRAL Trial
<table>
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<tr>
<th>Time</th>
<th>Event</th>
<th>Lecturers</th>
<th>Location</th>
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<tbody>
<tr>
<td>3:30 PM</td>
<td>CT Imaging Pearls for Patient Screening and Procedure Guidance in Mitral Valve-in-Valve and Ring</td>
<td>Mayra Guerrero</td>
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<tr>
<td>3:40 PM</td>
<td>Technical Tips and Tricks (Step-by-step) to Successfully Perform Trans-septal Mitral Valve-in-Valve Procedures</td>
<td>Dee Dee Wang</td>
<td></td>
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<tr>
<td>3:50 PM</td>
<td>CASE Examples: Using LAMPOON to Optimize Outcomes in Difficult Transcatheter Mitral Valve Patients</td>
<td>Adam B. Greenbaum</td>
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<td>3:58 PM</td>
<td>Discussion</td>
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4:10 PM - 6:00 PM

Session III: DEEP DIVE Session - Three Difficult Problems to Manage With Transcatheter Mitral Valve Therapy

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<th>Time</th>
<th>Event</th>
<th>Lecturers</th>
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<tbody>
<tr>
<td>4:10 PM</td>
<td>The Many Faces of MAC: Imaging Patterns, Associated Mitral Valve Pathologies, and Treatment Strategies</td>
<td>Vinayak Bapat</td>
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<tr>
<td>4:20 PM</td>
<td>&quot;Traditional Open&quot; and &quot;Transcatheter Open&quot; Surgical Approaches to Patients With MAC and MS/MR: Techniques and Outcomes</td>
<td>Isaac George</td>
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<tr>
<td>4:30 PM</td>
<td>Limitations and Possibilities of TMVR in Patients With MAC</td>
<td>Gilbert H.L. Tang</td>
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<tr>
<td>4:38 PM</td>
<td>Case Examples: What Would You Do in These MAC Patients?</td>
<td>Mayra Guerrero</td>
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<tr>
<td>4:48 PM</td>
<td>MAC Discussion</td>
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<tr>
<td>5:00 PM</td>
<td>Evolving CT Imaging Concepts on Measuring the Neo-LVOT After TMVR</td>
<td>Dee Dee Wang</td>
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<td>5:08 PM</td>
<td>Intra and Postprocedure Management of Narrowed LVOT After TMVR</td>
<td>Neil E. Moat</td>
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<td>5:16 PM</td>
<td>Case Examples: What Would You Do in These Narrow LVOT Patients?</td>
<td>Gilbert H.L. Tang</td>
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<td>5:24 PM</td>
<td>LVOT Discussion</td>
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<td>5:30 PM</td>
<td>Optimal Surgical Technique to Prevent Recurrent MR After Mitral Valve Repair</td>
<td>David H. Adams</td>
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<tr>
<td>5:38 PM</td>
<td>Clinical Management Alternatives in Patients With Recurrent MR (After Either Surgical or Transcatheter MV Repair)</td>
<td>Vinod H. Thourani</td>
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<tr>
<td>5:46 PM</td>
<td>Case Examples: What Would You Do in These Recurrent MR Patients?</td>
<td>Maurizio Taramasso</td>
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<tr>
<td>5:54 PM</td>
<td>Recurrent MR Discussion</td>
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TVT EVENING RECEPTION FOR THE CLINICAL DEMONSTRATIONS

THURSDAY, JUNE 21, 2018
5:45 PM - 7:45 PM
Ballroom Promenade

5:45 PM - 7:45 PM
Please Join us on Thursday, June 21st at 5:45 PM for the Clinical Demonstration Reception, as Participating Companies Showcase Products and Solutions

5:45 PM Participating Companies Include: Abbott, Baylis Medical, BioTrace Medical Inc, Boston Scientific Corporation, Edwards Lifesciences, GE Healthcare, Medtronic, and Transseptal Solutions

AFTERNOON SATELLITE: AMONG EMERGING THERAPIES FOR FMR, WHAT SETS THE CARILLON TRIAL APART (SPONSORED BY CARDIAC DIMENSIONS)

THURSDAY, JUNE 21, 2018
4:45 PM - 6:15 PM
Chicago Ballroom X

4:45 PM - 5:00 PM
Check-in

5:00 PM - 6:15 PM

**What Sets the CARILLON Trial Apart**

*Chairs: Ted Feldman, Martin B. Leon  
Faculty: Steven L. Goldberg, Randall C. Starling, Klaus Witte*

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<tr>
<th>Time</th>
<th>Session</th>
<th>Lecturers</th>
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<tbody>
<tr>
<td>5:00 PM</td>
<td>Welcome &amp; Introduction  The CARILLON Trial: Unique Design Features and Patient Population</td>
<td>Steven L. Goldberg</td>
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<tr>
<td>5:10 PM</td>
<td>Heart Failure Perspective: Isn’t It All About the Left Ventricle? Case Study</td>
<td>Klaus Witte</td>
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<tr>
<td>5:25 PM</td>
<td>The Goal of FMR Treatment: Reduction or Elimination of MR?</td>
<td>Randall C. Starling</td>
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<tr>
<td>5:45 PM</td>
<td>Discussion</td>
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<tr>
<td>6:00 PM</td>
<td>Reception</td>
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### BREAKFAST SATELLITE: ANTITHROMBOTIC MANAGEMENT IN TAVR WITH ATRIAL FIBRILLATION (ORGANIZED BY CRF, SPONSORED BY DAIICHI SANKYO, INC.)

**FRIDAY, JUNE 22, 2018**  
**6:30 AM - 8:00 AM**  
Chicago Ballroom VIII

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

**7:00 AM - 8:00 AM**  
**Antithrombotic Management in TAVR With Atrial Fibrillation**  
**Co Chairs:** George D. Dangas, Nicolas M. Van Mieghem  
**Faculty:** Raj Makkar

- **7:00 AM**  
  - Atrial Fibrillation (AF) in TAVR: Not Just an Innocent Bystander  
  - Lecturers: Nicolas M. Van Mieghem
- **7:15 AM**  
  - What Is the Rationale for DOAC in TAVR With AF?  
  - Lecturers: George D. Dangas
- **7:30 AM**  
  - Leaflet Thrombosis After AVR: Is DOAC the Answer?  
  - Lecturers: Raj Makkar
- **7:50 AM**  
  - Panel Discussion
- **8:00 AM**  
  - Adjourn

### BREAKFAST SATELLITE: TRANSCATHETER TRICUSPID VALVE INTERVENTIONS (SPONSORED BY CRF, SUPPORTED BY EDWARDS LIFESCIENCES)

**FRIDAY, JUNE 22, 2018**  
**6:45 AM - 8:00 AM**  
Chicago Ballroom X

**6:45 AM - 7:00 AM**  
Check-In & Breakfast

**7:00 AM - 8:00 AM**  
**Transcatheter Tricuspid Valve Interventions**  
**Co Chairs:** Rebecca T. Hahn, Martin B. Leon  
**Faculty:** Ori Ben-Yehuda, John C Laschinger, Azeem Latib, Michael J. Mack, Maurizio Taramasso

- **7:00 AM**  
  - Etiologies of Secondary Tricuspid Regurgitation: Do We Know What We Are Treating?  
  - Faculty: Maurizio Taramasso
- **7:10 AM**  
  - Panel Discussion and Q&A
- **7:15 AM**  
  - Imaging Assessment for Transcatheter Tricuspid Valve Interventions  
  - Lecturers: Rebecca T. Hahn
- **7:25 AM**  
  - Panel Discussion and Q&A
- **7:30 AM**  
  - Tricuspid Regurgitation Intervention: Filling the Guideline Gaps  
  - Lecturers: Maurizio Taramasso
- **7:40 AM**  
  - Panel Discussion and Q&A
- **7:45 AM**  
  - Pivotal Trials for Transcatheter Tricuspid Valve Devices: Are We There Yet?  
  - Lecturers: Ori Ben-Yehuda
- **7:50 AM**  
  - Panel Discussion and Q&A
- **8:00 AM**  
  - Adjourn
TVT MAIN ARENA DAY 2: MITRAL & TAVR - FRIDAY, JUNE 22ND

FRIDAY, JUNE 22, 2018
8:00 AM - 12:00 PM
Sheraton Chicago Ballroom IV- VII
Accreditation: CME, MOC

8:00 AM - 8:45 AM
Session I. Transcatheter Mitral Challenges and Controversies
Moderators: Jason H. Rogers, Gregg W. Stone
Discussants: Shmuel Banai, Steven F. Bolling, Karl-Heinz Kuck, Francesco Maisano, Thomas Modine, Josep Rodés-Cabau, Thomas Smith

8:45 AM - 9:30 AM
Session II. Live Cases #7: Mitral/Tricuspid
Live Case Moderators: Horst Sievert, John G. Webb
Live Case Discussants: Juan F. Granada, Mayra Guerrero, Azeem Latib, David Meerkin, Bernard Prendergast, Jason H. Rogers, Robert L. Smith
Bioskills Factoid: Dmitry B. Levin

  8:45 AM Live Case #7: University of Washington Medical Center/Regional Heart Center, Seattle, WA - Mitral/Tricuspid
  Live Case Operators: Creighton Don, MD, Thomas K. Jones, Mark Reisman

9:30 AM - 10:00 AM
Session III. Transcatheter Mitral Valve Replacement
Moderators: Vinayak Bapat, John G. Webb
Discussants: Shmuel Banai, Juan F. Granada, Mayra Guerrero, David Meerkin, Bernard Prendergast, Robert L. Smith

  9:30 AM Challenges to Transcatheter Mitral Valve Replacement: Lessons from the Early Feasibility Studies
  Lecturers: Vinayak Bapat

  9:40 AM Early Results After TMVR for Mitral Annular Calcification
  Lecturers: Mayra Guerrero

  9:50 AM Roundtable Discussion With Audience Q&A

10:00 AM - 10:45 AM
Session IV. Live Cases #8: Mitral/Tricuspid
Live Case Moderators: James B. Hermiller Jr, Nicolas M. Van Mieghem
Live Case Discussants: Eberhard Grube, Christopher U. Meduri, David G. Rizik, Molly Szerlip, Torsten P. Vahl, Mathew Williams, Steven J. Yakubov
Bioskills Factoid: Dmitry B. Levin

  10:00 AM Live Cases #8: Cedars-Sinai Medical Center, Los Angeles, CA - Mitral/Tricuspid
  Live Case Operators: Tarun Chakravarty, MD, Saibal Kar, Moody Makar, MD, Mamoo Nakamura, MD, Sabah Skaf, MD

10:45 AM - 11:15 AM
Session V. TAVR Hot Topics II: The Minimalist Strategy for TAVR
Moderators: Eberhard Grube, Howard C. Herrmann
Discussants: Hemal Gada, Kendra J. Grubb, Rebecca T. Hahn, Susheel K. Kodali, Axel Linke, Vinod H. Thorani

  10:45 AM Point: A Minimalist Strategy Should Be Used in ALL TAVR Patients!
  Lecturers: Vinod H. Thorani

  Lecturers: Susheel K. Kodali

  11:05 AM Panel Discussion

11:15 AM - 12:00 PM
Session VI. Live Cases #9: TAVR
Live Case Moderators: Eberhard Grube, Howard C. Herrmann
Live Case Discussants: Hemal Gada, Kendra J. Grubb, Rebecca T. Hahn, Susheel K. Kodali, Azeem Latib, Axel Linke, Jeffrey J. Popma, Vinod H. Thorani
Bioskills Factoid: Dmitry B. Levin

  11:15 AM Live Cases #9: University of Washington Medical Center/Regional Heart Center, Seattle, WA - TAVR
  Live Case Operators: Danny Dvir, James M. McCabe, Mark Reisman
FRIDAY, JUNE 22, 2018
2:00 PM - 5:54 PM
Sheraton Chicago Ballroom IV- VII
Accrediation: CME,MOC

2:00 PM - 3:30 PM
Session I. Keynote Lectures and Late-Breaking Clinical Science
Moderators: Alexandre Abizaid, Martin B. Leon
Discussants: Anthony N. DeMaria, Hemal Gada, Isaac George, A. Pieter Kappetein, Brian R Lindman

3:30 PM - 5:54 PM
Session III. The TVT Innovation Session
Moderators: Juan F. Granada, Martin B. Leon
Co Moderator: Luc Behr
Discussants: Vinayak Bapat, Thomas Modine, Giora Weisz

3:30 PM Minimizing Left Ventricular Outflow Tract Obstruction in Valve-in-Mitral Cases: A Novel Technique
Lecturers: Tarek Helmy
3:38 PM Panel Discussion
3:42 PM Personalized Computational Modeling for Structural Heart Interventions
Lecturers: Matthieu De Beule
3:50 PM Panel Discussion
3:54 PM Novel All-in-One Integrated System for Precise Trans-septal Puncture and Simplified Left Atrial Navigation
Lecturers: Francesco Maisano
4:02 PM Panel Discussion
4:06 PM The SARANAS Early Bird Bleed Monitoring System
Lecturers: Philippe Genereux
4:14 PM Panel Discussion
4:18 PM A New Transcatheter Chordal-Leaflet Suspension System for DMR: The PIPLINE Trans-septal Concept
Lecturers: Eberhard Grube
4:26 PM Panel Discussion
4:30 PM TRISOL Tricuspid Valve Replacement: A Comprehensive Solution for Tricuspid Regurgitation and RV Dysfunction
Lecturers: Giora Weisz
4:38 PM Panel Discussion
4:42 PM Simplifying TTVR With a Novel Cinching System
Lecturers: Vinayak Bapat
4:50 PM Panel Discussion
4:54 PM Restoring Native Left Ventricular Flow After Mitral Valve Replacement: Preclinical Results of a New Physiological Transcatheter Prosthesis
Lecturers: Marcio Scorsin
5:02 PM Panel Discussion
5:06 PM A New IVUS-guided TAVR System - FoldaValve: Design Concept and Preclinical Studies
Lecturers: Arash Kheradvar
5:14 PM Panel Discussion
5:18 PM A New Transcatheter Hemi-Valve for Mitral Regurgitation: Design Concept and Preclinical Observations
Lecturers: Susheel K. Kodali
5:26 PM Panel Discussion
5:30 PM Full Body Embolic Protection During TAVR: The FILTEREX System
Lecturers: Giora Weisz
5:38 PM Panel Discussion
5:42 PM Percutaneous Subaortic Membrane Resection Using Radiofrequency Energy for Severe Congenital Subaortic Stenosis Due to a Discrete Membrane
Lecturers: Mehul Patel
5:50 PM Panel Discussion

LUNCH SATELLITE: CONSIDERATIONS FOR TAVR IN LOWER-RISK PATIENTS (ORGANIZED BY CRF, SPONSORED BY MEDTRONIC)
12:15 PM - 12:30 PM  
Check-in & Lunch

12:30 PM - 1:30 PM  
Considerations for TAVR in Lower-Risk Patients  
Chairs: Michael J. Reardon  
Faculty: Vinayak Bapat, Didier Tchetche, Mathew Williams

12:30 PM  
Evolut PRO Data Results Overall  
Lecturers: Mathew Williams

12:42 PM  
Valve Durability/Thrombosis and Hemodynamics: What We Know and Don’t Know  
Lecturers: Michael J. Reardon

12:54 PM  
Treating Bicuspid Patients  
Lecturers: Didier Tchetche

1:06 PM  
Advanced Valve-in-Valve Concepts  
Lecturers: Vinayak Bapat

1:18 PM  
Discussion and Audience Q&A

1:30 PM  
Adjourn

LUNCH SATELLITE: CREATING STRUCTURAL HEART CENTERS OF EXCELLENCE: MANAGING PATIENTS WITH NONVALVULAR AFIB, AORTIC STENOSIS, AND MITRAL REGURGITATION (SPONSORED BY BOSTON SCIENTIFIC CORPORATION)

FRIDAY, JUNE 22, 2018  
12:15 PM - 1:30 PM  
Chicago Ballroom X

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

12:30 PM - 1:30 PM  
Creating Structural Heart Centers of Excellence: How to Manage Patients With Nonvalvular AFib, Aortic Stenosis, and Mitral Regurgitation  
Chairs: Kendra J. Grubb  
Faculty: Ted Feldman, Asma Hussaini, Matthew J. Price, Jason H. Rogers, Ruby Satpathy

12:30 PM  
Roundtable Discussion: Understand the Prevalence of Patients Presenting With Multiple Disease States, Including Nonvalvular AFib, Aortic Stenosis, and Mitral Regurgitation, and Learn Best Practices for Establishing a Structural Heart Center of Excellence

1:30 PM  
Adjourn

LUNCH SATELLITE: OPTIMIZATION OF VESSEL ACCESS AND CLOSURE IN LARGE BORE CATHETER PROCEDURES - TIPS AND TRICKS CASE-BASED REVIEW (SPONSORED BY CRF, SUPPORTED BY ABBOTT, ABIOMED, ESSENTIAL MEDICAL AND SARANAS)

FRIDAY, JUNE 22, 2018  
12:15 PM - 1:30 PM  
Chicago Ballroom VIII

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

12:30 PM - 1:30 PM  
Optimization of Vessel Access and Closure in Large Bore Catheter Procedures - Tips and Tricks Case-Based Review  
Co Chairs: Philippe Genereux, Martin B. Leon  
Faculty: Anita Asgar, David A. Wood

12:30 PM  
Introduction
Lecturers: Martin B. Leon

12:32 PM  Getting Optimal Arterial and Venous Access for Large Bore Catheter Procedures  
Lecturers: Anita Asgar

12:42 PM  Large Bore Vessel Closure Management: Tips and Tricks and Adjunctive Techniques  
Lecturers: David A. Wood

12:52 PM  Access and Closure for Alternative Access: Focus on Percutaneous Transaxillary Approach  
Lecturers: Philippe Genereux

1:02 PM  Upcoming Closure Device System Dedicated to Large Bore Procedure  
Lecturers: Philippe Genereux

1:12 PM  Real Time Bleed Detection: Novel Saranas Early Bird Bleed Monitoring  
Lecturers: Philippe Genereux

1:22 PM  Discussion and Conclusion

1:30 PM  Adjourn

### TVT MODERATED POSTER SESSIONS: LAA/PFO CLOSURE AND OTHER - STATION 1

**FRIDAY, JUNE 22, 2018**

8:00 AM - 11:05 AM  
Station 1, Ballroom Promenade, 4th Floor  
Accrediation: CME,MOC

**8:00 AM - 11:15 AM**  
LAA/PFO Closure and Other  
Moderators: John D. Carroll, Ramon Quesada, Vivek Y. Reddy

- **8:00 AM**  Patients With Chronic Atrial Fibrillation Have Larger Left Atrial Appendage Dimensions, Require Larger Occluder Devices, and Have More Residual Leaks Than Patients With Nonchronic Atrial Fibrillation  
  Lecturers: William Wung, MD  
  Discussion

- **8:15 AM**  Real World Evidence for Safety and Efficacy of Watchman Device for Stroke Prevention in Patients With Atrial Fibrillation in Asian Population: Single Center Prospective Study  
  Lecturers: Nay Thu Win, MD  
  Discussion

- **8:30 AM**  The Impact of Proposed Case Volume Thresholds on Transcatheter Aortic Valve Replacement Center Certification and Medicare Beneficiary Access  
  Lecturers: A. Pieter Kappetein  
  Discussion

- **8:45 AM**  Intracardiac vs Transesophageal Echocardiography for Percutaneous Left Atrial Appendage Occlusion: A Meta-analysis  
  Lecturers: Poonam Velagapudi, MD  
  Discussion

- **9:00 AM**  Preliminary Data From a National Multicentric Longitudinal Prospective Large Registry to Monitor Professional Practices for The Evaluation of a New Preoperative Approach in LAAC Procedures Based on 3D-printed Simulation: LAA-Print Registry  
  Lecturers: Vlad Ciobotaru, MD  
  Discussion

- **9:15 AM**  Implementation of Multidisciplinary Team Approach to the Management of Patients With Mitral Valve Disease  
  Lecturers: Mohanad Hamandi, MD  
  Discussion

- **9:30 AM**  Single Center US Experience With WATCHMAN Left Atrial Appendage Occlusion Device for Stroke Prevention in Atrial Fibrillation After Commercial Launch  
  Lecturers: Nasir Nawaz, MD  
  Discussion

- **9:45 AM**  Safety and Efficacy of Left Atrial Appendage Closure With Watchman Device: Short-term Data From Polish Watchman Multicenter Prospective Registry.  
  Lecturers: Marek Grygier, MD  
  Discussion

- **10:00 AM**  Impact of Atrial Septum Aneurysm on Long-term Outcome After Percutaneous Closure of Patent Foramen Ovale in Patients With Cryptogenic Cerebral Ischemic Events  
  Lecturers: Julia Seeger  
  Discussion
### TVT CHALLENGING CASE SESSION 3: TRICUSPID/MITRAL AND OTHERS

**FRIDAY, JUNE 22, 2018**
**8:30 AM - 11:50 AM**
Chicago Ballroom IX
Accrediation: CME, MOC

#### Part I. Tricuspid/Mitral and Others

**Moderators:** Isaac George, Christopher U. Meduri

**Discussants:** Alexandre Abizaid, Adam B. Greenbaum, Lars Sondergaard, Giora Weisz, Jonathon M. White

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<tr>
<th>Time</th>
<th>Session</th>
<th>Lecturers</th>
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| 8:30 AM| Transcatheter Valve-in-Valve Replacement of the Systemic AV (Tricuspid) Valve in D-Loop Transposition of the Great Arteries With Atrial Switch  
**Lecturers:** Tiffany Chen, MD |                                               |
| 8:37 AM| Discussion                                                                                                               |                                               |
| 8:40 AM| Percutaneous Tricuspid Edge-to-Edge Repair With Novel Multi-Plane Transjugular Echocardiography                          
**Lecturers:** Austin Robinson, MD |                                               |
| 8:47 AM| Discussion                                                                                                               |                                               |
| 8:50 AM| Transcatheter Tricuspid Repair Using Combined Therapies                                                                 
**Lecturers:** Christopher U. Meduri |                                               |
| 8:57 AM| Discussion                                                                                                               |                                               |
| 9:00 AM| Severe Tricuspid Regurgitation Retreated at Two Years Post Initial Procedure With Transcatheter Repair                  
**Lecturers:** Christopher U. Meduri |                                               |
| 9:07 AM| Discussion                                                                                                               |                                               |
| 9:10 AM| Mitral Annular Ring Dehiscence Between Initial TTE and Pre-AVR Intraop TEE                                              
**Lecturers:** Shahzad Shah, MD |                                               |
| 9:17 AM| Discussion                                                                                                               |                                               |
| 9:20 AM| A Fresh Bite: Percutaneous Biopsy of a Right Atrial Mass                                                                
**Lecturers:** Benjamin Stripe, MD |                                               |
| 9:27 AM| Discussion                                                                                                               |                                               |
| 9:30 AM| Right Ventriculocutaneous Fistula                                                                                       
**Lecturers:** Nandini Mehra, MD |                                               |
| 9:37 AM| Discussion                                                                                                               |                                               |
| 9:40 AM| Contemporaneous Transcatheter Heart Valve Replacement in Native Aortic and Mitral Valve Stenosis                         
**Lecturers:** Marcus R. Burns |                                               |
| 9:47 AM| Discussion                                                                                                               |                                               |
| 9:50 AM| Percutaneous VA ECMO Supported Transcatheter Valve-in-Valve Implantation for Severe Bioprosthetic Pulmonic Valve Dysfunction Using Moderate Sedation in the Cardiac Catheterization Laboratory 
**Lecturers:** Gautam Visveswaran, MD |                                               |
| 9:57 AM| Discussion                                                                                                               |                                               |

#### Part II. Tricuspid/Mitral and Others

**10:00 AM - 11:50 AM**

**Part II. Tricuspid/Mitral and Others**

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**TVT CHALLENGING CASE SESSION 3: TRICUSPID/MITRAL AND OTHERS**

**FRIDAY, JUNE 22, 2018**
**8:30 AM - 11:50 AM**
Chicago Ballroom IX
Accrediation: CME, MOC

#### Part I. Tricuspid/Mitral and Others

**Moderators:** Isaac George, Christopher U. Meduri

**Discussants:** Alexandre Abizaid, Adam B. Greenbaum, Lars Sondergaard, Giora Weisz, Jonathon M. White

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<tr>
<th>Time</th>
<th>Session</th>
<th>Lecturers</th>
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| 8:30 AM| Transcatheter Valve-in-Valve Replacement of the Systemic AV (Tricuspid) Valve in D-Loop Transposition of the Great Arteries With Atrial Switch  
**Lecturers:** Tiffany Chen, MD |                                               |
| 8:37 AM| Discussion                                                                                                               |                                               |
| 8:40 AM| Percutaneous Tricuspid Edge-to-Edge Repair With Novel Multi-Plane Transjugular Echocardiography                          
**Lecturers:** Austin Robinson, MD |                                               |
| 8:47 AM| Discussion                                                                                                               |                                               |
| 8:50 AM| Transcatheter Tricuspid Repair Using Combined Therapies                                                                 
**Lecturers:** Christopher U. Meduri |                                               |
| 8:57 AM| Discussion                                                                                                               |                                               |
| 9:00 AM| Severe Tricuspid Regurgitation Retreated at Two Years Post Initial Procedure With Transcatheter Repair                  
**Lecturers:** Christopher U. Meduri |                                               |
| 9:07 AM| Discussion                                                                                                               |                                               |
| 9:10 AM| Mitral Annular Ring Dehiscence Between Initial TTE and Pre-AVR Intraop TEE                                              
**Lecturers:** Shahzad Shah, MD |                                               |
| 9:17 AM| Discussion                                                                                                               |                                               |
| 9:20 AM| A Fresh Bite: Percutaneous Biopsy of a Right Atrial Mass                                                                
**Lecturers:** Benjamin Stripe, MD |                                               |
| 9:27 AM| Discussion                                                                                                               |                                               |
| 9:30 AM| Right Ventriculocutaneous Fistula                                                                                       
**Lecturers:** Nandini Mehra, MD |                                               |
| 9:37 AM| Discussion                                                                                                               |                                               |
| 9:40 AM| Contemporaneous Transcatheter Heart Valve Replacement in Native Aortic and Mitral Valve Stenosis                         
**Lecturers:** Marcus R. Burns |                                               |
| 9:47 AM| Discussion                                                                                                               |                                               |
| 9:50 AM| Percutaneous VA ECMO Supported Transcatheter Valve-in-Valve Implantation for Severe Bioprosthetic Pulmonic Valve Dysfunction Using Moderate Sedation in the Cardiac Catheterization Laboratory 
**Lecturers:** Gautam Visveswaran, MD |                                               |
| 9:57 AM| Discussion                                                                                                               |                                               |

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**10:00 AM - 11:50 AM**

**Part II. Tricuspid/Mitral and Others**
10:00 AM  Structural Heart Intervention Trifecta: Contemporaneous Transseptal Valve in Mitral Ring, Paravalvular Leak, and Amplatzer Septal Defect Closure for the Treatment of Severe Symptomatic Mitral Regurgitation
Lecturers: Lowie Van Assche, MD

10:07 AM  Discussion

10:10 AM  Multi-Modality Imaging for the Assessment and Intervention of Pulmonary Vein Stenosis
Lecturers: Elliott Elias, MD

10:17 AM  Discussion

10:20 AM  Transcatheter Mitral Valve Repair in a Patient With a Heavily Calcified Mitral Annulus and Small Mitral Valve Orifice Area
Lecturers: Jayasheel Eshcol, MD

10:27 AM  Discussion

10:30 AM  Hybrid Approach: Mitral Valve Repair and Left Maze by Mini-Thoracotomy and TAVR via Left Carotid Artery
Lecturers: Marc Gerdisch, MD

10:37 AM  Discussion

10:40 AM  ViV in a Patient With a "Ghost" Valve and Extremely Low Left Main Trunk Takeoff
Lecturers: Costantino Costantini, MD

10:47 AM  Discussion

10:50 AM  Transcatheter Aortic Valve Replacement in Bicuspid Aortic Valve With Left Ventricular Outflow Tract Aneurysm
Lecturers: Arijit Chanda, MD

10:57 AM  Discussion

11:00 AM  Transcatheter Aortic Valve Replacement for Severe Aortic Insufficiency in a Patient With Prior Type A Aortic Dissection Repair and Residual Type B Dissection Extending to the Infrarenal Aorta
Lecturers: Hasan Ahmad, MD

11:07 AM  Discussion

11:10 AM  Combined TAVR With Sapien 3 Valve and Paravalvular Leak Closure for Severe Paravalvular Leak
Lecturers: Cenap Undemir, MD

11:17 AM  Discussion

11:20 AM  Central Aortic Insufficiency Due to Transcatheter Heart Valve Defect After Transapical Transcatheter Aortic Valve Replacement
Lecturers: Chad Morreale, MD

11:27 AM  Discussion

11:30 AM  Aspiration of TV Endocarditis With an 8F System
Lecturers: Yasir Akhtar, MD

11:37 AM  Discussion

11:40 AM  Use of Perfusion Balloon to Assess for Neo-Left Ventricular Outflow Tract Obstruction During Transcatheter Mitral Valve-in-Valve Implantation
Lecturers: Somsupha Kanjanauthai, MD

11:47 AM  Discussion

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**TVT NEW TECHNOLOGY FORUM: MITRAL/TRICUSPID II**

**FRIDAY, JUNE 22, 2018**

**8:30 AM - 11:50 AM**
Chicago Ballroom X
Accreditation: CME,MOC

**8:30 AM - 10:50 AM**

**Session IV: Transcatheter Mitral Valve Replacement (TMVR) Therapies  RAPID FIRE**
Moderators: Martin B. Leon, Gregg W. Stone
Discussants: Anita Asgar, Michael J. Mack, Jeffrey J. Popma, Joachim Schofer

8:30 AM  Surgical Perspectives of TMVR: Focus on Patient Selection and Clinical Management Issues
Lecturers: Michael J. Mack

8:38 AM  Interventional Perspectives of TMVR: Addressing the Four Big Questions
Lecturers: Martin B. Leon

8:46 AM  Rapid Fire Questions
TVT PHYSICIAN TRAINING SEMINAR: TRICUSPID VALVE INTERVENTIONS

FRIDAY, JUNE 22, 2018
8:30 AM - 11:35 AM
Chicago Ballroom VIII
Accreditation: CME, MOC

8:30 AM - 9:15 AM
Session I: Current Treatment Strategies for Moderate/Severe TR
Moderators: Georg Nickenig, Stephan Windecker
Discussants: Ori Ben-Yehuda, Neil P. Fam, Sameer Gafoor, Vivek Rajagopal, Maurizio Taramasso

8:30 AM Medical Therapy for TR and Indications (Thresholds) for Surgical/Transcatheter Therapies
Lecturers: Ori Ben-Yehuda

8:38 AM TR Due to Pacemaker Lead Entrapment: Frequency, Diagnosis, Clinical Consequences, and Treatment Alternatives
Lecturers: Neil P. Fam

8:46 AM When Should the Tricuspid Valve Be Repaired During Mitral Valve Surgery?
Lecturers: Steven F. Bolling

8:56 AM TR Repair vs Replacement Strategies: Lessons From Surgery
Lecturers: Gilbert H.L. Tang

9:06 AM Discussion

9:15 AM - 10:25 AM
Session II: Anatomy and Imaging of the RV and Tricuspid Valve
Moderators: Rebecca T. Hahn, Maurice E. Sarano
Discussants: Anthony N. DelMaria, William A. Gray, Omar K. Khalique, Fabien Praz, Thomas Smith

9:15 AM Bioskills Primer for the Right Heart: Surgical/Interventional Highlights and Landscape Overview of Major Pathologies
Lecturers: Thomas Modine

9:25 AM The 'Essential' Echocardiography Examination of TR and RV Function
Lecturers: Rebecca T. Hahn

9:35 AM The 'Essential' CT Examination of the Tricuspid Annulus and RV Anatomy
Lecturers: Omar K. Khalique

9:43 AM Discussion

9:50 AM Imaging Vignettes I: Echo Quantitative Assessment of TR Severity
Lecturers: Maurice E. Sarano

9:55 AM Imaging Vignettes II: A Good CASE for Transcatheter Annuloplasty
Lecturers: William A. Gray

10:00 AM Imaging Vignettes III: A Good CASE for Transcatheter Leaflet Grasping
Lecturers: Georg Nickenig

10:05 AM Imaging Vignettes IV: A Good CASE for Transcatheter FORMA
Lecturers: Josep Rodés-Cabau

10:10 AM Imaging Vignettes V: A Good CASE for Transcatheter TVR
Lecturers: Susheel K. Kodali

10:15 AM Discussion

10:25 AM - 11:35 AM
Session III: Patient Selection for New Transcatheter TR Therapies
Moderators: Maurizio Taramasso, John G. Webb
Discussants: George D. Dangas, Brij Maini, Fabian Nietlispach, Philippe Pibarot, Fabien Praz

10:25 AM Lessons from an International Registry on Transcatheter Tricuspid Therapies
Lecturers: Maurizio Taramasso

10:35 AM The Potential Role of Combination or Sequential Transcatheter TR Therapies
TVT CHALLENGING CASE SESSION 4: LAA AND PFO CLOSURE

FRIDAY, JUNE 22, 2018
2:00 PM - 3:50 PM
Chicago Ballroom IX
Accrediation: MOC,CME

2:00 PM Double Device Harmony for Challenging Anatomy
Lecturers: David Meerkin

2:07 PM Discussion

2:10 PM Left Atrial Appendage Occlusion in Dextrocardia: Prediction of TEE Working Angles
Lecturers: Robert Leonardi, MD

2:17 PM Discussion

2:20 PM Trans-septal Puncture in Left Atrial Appendage Closure When Hard Just Get Harder
Lecturers: Massimo Benedetto, MD

2:27 PM Discussion

2:30 PM Trans-septal Puncture for Superiorly Directed Lobes
Lecturers: Gagan Singh, MD

2:37 PM Discussion

2:40 PM Successful Retrieval of Embolized Left Atrial Appendage Closure Device (Watchman) Utilizing a Cook Vascular Retrieval Forceps
Lecturers: Zaher Fanari, MD

2:47 PM Discussion

2:50 PM Use of Appendage Lobe to Deploy Watchman Device in a Very Shallow Left Atrial Appendage: Access Is Success
Lecturers: Sandeep Sehgal, MD

2:57 PM Discussion

3:00 PM Submassive PE, Paradoxical Embolism, Residual DVT, and Large PFO: Thrombolysis, Filter, or Both?
Lecturers: Varda Singhal, MD

3:07 PM Discussion

3:10 PM A Rare Case of Platypnea-Orthodeoxia Syndrome Developing After Atrial Fibrillation Ablation Necessitating Percutaneous Closure of the Septal Puncture Site
Lecturers: Nadim Geloo, MD

3:17 PM Discussion

3:20 PM Closure of a PFO in a Patient With Cor Tiratriatum Dexter Who Presents With Paradoxical Embolus
Lecturers: Nadim Geloo

3:27 PM Discussion

3:30 PM Delayed Embolization of ASD Occluder and Successful Percutaneous Retrieval
Lecturers: Anene Ukaigwe, MD

3:37 PM Discussion

3:40 PM Aortic Watchman As Centinel for Thrombus Embolization in Patient With Recurrent Lower Gastrointestinal Bleeding and Refractory Thrombus in LAA
Lecturers: Luis Gutierrez, MD

3:47 PM Discussion

TVT NEW TECHNOLOGY FORUM: TAVR II

FRIDAY, JUNE 22, 2018
2:00 PM - 5:15 PM
Chicago Ballroom X
Accrediation: CME,MOC
### TAVR Systems, Part 1: Most Frequently Used TAVR Systems

**Moderators:** Axel Linke, Vinod H. Thourani  
**Discussants:** John K. Forrest, Fabian Nietlispach, Jeffrey J. Popma, Mark J. Russo, Torsten P. Vahl, Jonathon M. White, Mathew Williams

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<tr>
<th>Time</th>
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<th>Lecturers/Case Presenters</th>
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<tbody>
<tr>
<td>2:00 PM</td>
<td><strong>Program Update:</strong> The Evolut R/PRO TAVR System: Design Characteristics, Clinical Data, and Future Vision</td>
<td>Jeffrey J. Popma</td>
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<tr>
<td>2:30 PM</td>
<td><strong>Program Update:</strong> The SAPIEN 3 TAVR System - Design Characteristics, Clinical Data, and Future Vision</td>
<td>John G. Webb</td>
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<tr>
<td>3:00 PM</td>
<td><strong>Program Update:</strong> The LOTUS Edge TAVR System: Design Characteristics, Clinical Data, and Future Vision</td>
<td>Ted Feldman</td>
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<tr>
<td>3:10 PM</td>
<td>The LOTUS Edge TAVR System: Illustrative Cases (Eg, Extreme Calcification, Bicuspid Valves)</td>
<td>Michael Reardon, Julia Seeger</td>
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<td>3:20 PM</td>
<td><strong>Program Update:</strong> The PORTICO TAVR System - Design Characteristics, Clinical Data, and Future Vision</td>
<td>Raj Makkar</td>
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<td>3:30 PM</td>
<td>The PORTICO TAVR System: Illustrative Cases (Eg, Low Coronaries)</td>
<td>Fabian Nietlispach</td>
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<tr>
<td>3:40 PM</td>
<td><strong>Program Update:</strong> The ACURATE NEO TAVR System - Design Characteristics, Clinical Data, and Future Vision</td>
<td>Alexandre Abizaid</td>
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<tr>
<td>3:50 PM</td>
<td>The ACURATE NEO TAVR System: Illustrative Cases (Eg, Horizontal Aorta)</td>
<td>Lars Sondergaard</td>
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### TAVR Systems, Part 2: Other Interesting TAVR Systems and Choosing the Right TAVR for Your Patient

**Moderators:** Howard C. Herrmann, Martin B. Leon  
**Discussants:** Creighton W. Don, Ariel Finkelstein, Michael J. Mack, Julia Seeger, Torsten P. Vahl, Mathew Williams

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### TVT PHYSICIAN TRAINING SEMINARS AND CLINICAL CONTROVERSIES: TAVR II

**FRIDAY, JUNE 22, 2018**

**2:00 PM - 5:05 PM**  
**Chicago Ballroom VIII**  
**Accrediation:** CME, MOC

- **Physician Training Seminar 2:** Clinical Indications for TAVR Current and Future (Part 2)
  
**Moderators:** Howard C. Herrmann, Allan Schwartz  
**Discussants:** Ori Ben-Yehuda, Ariel Finkelstein, Sameer Gofoor, Scott Lim, Philippe Pibarot, Stephan Windecker

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<td>2:00 PM</td>
<td><strong>A Clinical Algorithm for Diagnosing and Managing Patients With Low-Flow, Low-Gradient Aortic Stenosis</strong></td>
<td>Howard C. Herrmann</td>
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<td>2:10 PM</td>
<td><strong>Discussion</strong></td>
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<td>2:15 PM</td>
<td><strong>Status Update of the TAVR UNLOAD Trial</strong> Moderate AS Patients With Reduced Ejection Fraction</td>
<td>Nicolas M. Van Mieghem</td>
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<td>2:25 PM</td>
<td><strong>Status Update of the EARLY TAVR Trial</strong> Asymptomatic Severe AS Patients</td>
<td>Philippe Genereux</td>
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<td>2:35 PM</td>
<td><strong>CLINICAL VIEWPOINT:</strong> Problems With the Current Practice of Watchful Waiting in Managing Asymptomatic Patients With Severe AS</td>
<td>Allan Schwartz</td>
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<td>2:43 PM</td>
<td><strong>Discussion</strong></td>
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<td>2:50 PM</td>
<td><strong>Who Shouldn’t Undergo TAVR? Can We Identify the ‘Futile Non-responders?’</strong></td>
<td>Suzanne V. Arnold</td>
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<td>2:58 PM</td>
<td><strong>Discussion</strong></td>
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<td>3:00 PM</td>
<td><strong>Frailty Assessment of TAVR and SAVR Patients:</strong> The Essential Frailty Toolset</td>
<td>Jonathan Afilalo</td>
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<td>3:08 PM</td>
<td><strong>Discussion</strong></td>
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<tr>
<td>3:10 PM</td>
<td><strong>TAVR to Treat Pure Aortic Regurgitation: Published and Personal Experiences (With Case Examples)</strong></td>
<td>Eberhard Grube</td>
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3:20 PM - 4:05 PM
Clinical Controversies 2: Valve Leaflet Thrombosis and TAVR Durability
Moderators: Michael J. Mack, Raj Makkar
Discussants: David J. Cohen, Anthony N. DeMaria, Albert Markus Kasel, Azeem Latib, Neil E. Moat

3:20 PM The Spectrum of Leaflet Thrombosis in Bioprosthetic Aortic Valves - Prevalence, Clinical Consequences, and Practical Management Strategies
Lecturers: Lars Søndergaard

3:30 PM Discussion

3:35 PM New Guidelines and Classification of Bioprosthetic Valve Dysfunction and Failure: Implications and Thoughts on TAVR Durability
Lecturers: Maria Alu, MS

3:45 PM Discussion

3:50 PM Should We Anticoagulate All Bioprosthetic Aortic Valves? Rationale, Ongoing Studies, and Recent Trends
Lecturers: Raj Makkar

4:00 PM Discussion

4:05 PM - 5:05 PM
Physician Training Seminar 3: Integrating the TAVR Minimalist Strategy into Clinical Practice
Moderators: Vinod H. Thourani, John G. Webb
Discussants: Rebecca T. Hahn, Albert Markus Kasel, Susheel K. Kodali, Sandra Lauck, Mark J. Russo, Molly Szerlip, David A. Wood

4:05 PM Novel Tips and Tricks to Simplify TAVI
Lecturers: Fabian Nietlispach

4:13 PM The Minimalist TAVR Strategy Should be the Default Approach Supported by Clinical Outcomes and Economic Benefits
Lecturers: Vinod H. Thourani

4:21 PM The Vancouver Minimalist Clinical Care Pathway: Updates from the 3M Trial and Evolution to BENCHMARK
Lecturers: David A. Wood

4:31 PM The 'Voice' of Interventional Echocardiography: Situations where TEE Provides Meaningful Value During TAVR (With Convincing Case Examples)
Lecturers: Rebecca T. Hahn

INTERACTIVE TRAINING WORKSHOP: ABBOTT MITRAL CLIP NTR/XTR DEVICE AND PROCEDURAL OVERVIEW FOR NON-MITRAL CLIP IMPLANTERS (HOURLY)
FRIDAY, JUNE 22, 2018
8:00 AM - 6:15 PM
Michigan

INTERACTIVE TRAINING WORKSHOP: ABBOTT MITRAL CLIP NTR/XTR TRAINING FOR CURRENT MITRAL CLIP NT IMPLANTERS (HOURLY)
FRIDAY, JUNE 22, 2018
8:00 AM - 6:15 PM
Michigan

INTERACTIVE TRAINING WORKSHOP: ABBOTT PFO ANATOMY/IMAGING AND PROCEDURAL WORKSHOP (HOURLY)
FRIDAY, JUNE 22, 2018
8:00 AM - 6:15 PM
Michigan

INTERACTIVE TRAINING WORKSHOP: ABBOTT PORTICO TRAINING WORKSHOP (HOURLY)
FRIDAY, JUNE 22, 2018
8:00 AM - 6:15 PM
Michigan
INTERACTIVE TRAINING WORKSHOP: FUNDAMENTALS OF CARDIAC ANATOMY AND IMAGING CORRELATION (FELLOWS ONLY)

FRIDAY, JUNE 22, 2018
8:00 AM - 10:00 AM
Superior, Meeting Level 2

8:00 AM - 10:00 AM
Interactive Training Workshop: Fundamentals of Cardiac Anatomy and Imaging Correlation (Fellows ONLY)
Moderators: João L Cavalcante, Michael J. Reardon

8:00 AM
Welcome Remarks
Moderators: João L Cavalcante, Michael J. Reardon

8:02 AM
Anatomy Overview Using Various Imaging Modalities for Structural Heart Procedures
Moderators: João L Cavalcante

INTERACTIVE TRAINING WORKSHOP-TAVR IN BICUSPID AORTIC VALVE TRAINING WORKSHOP

FRIDAY, JUNE 22, 2018
10:15 AM - 12:15 PM
Superior, Meeting Level 2

10:15 AM - 12:15 PM
Interactive Training Workshop-TAVR in Bicuspid Aortic Valve Training Workshop
Moderators: Basel Ramlawi

10:15 AM
Welcome Remarks
Moderators: Basel Ramlawi

10:17 AM
Overview of Bicuspid Aortic Valve Disease State, Identification and Classification of Bicuspid Valves
Lecturers: Basel Ramlawi

10:45 AM
Controversies in Sizing/Procedural Considerations
Lecturers: Basel Ramlawi

10:57 AM
Procedural Considerations for Performing TAVR in Bicuspid Patients

11:15 AM
Hands-on Patient Assessment and Case Planning

INTERACTIVE TRAINING WORKSHOP: AORTIC VALVE-IN-VALVE TRAINING WORKSHOP #1

FRIDAY, JUNE 22, 2018
2:00 PM - 4:00 PM
Superior, Meeting Level 2

2:00 PM - 4:00 PM
Interactive Training Workshop: Aortic Valve-in-Valve Training Workshop #1
Moderators: Dan Watson

2:00 PM
Welcome Remarks
Moderators: Dan Watson

2:02 PM
TAV in Stentless Valves Procedures
Moderators: Dan Watson

3:02 PM
Stented TAV in SAV Procedures
Moderators: Dan Watson

INTERACTIVE TRAINING WORKSHOP: AORTIC VALVE-IN-VALVE TRAINING WORKSHOP #2

FRIDAY, JUNE 22, 2018
4:15 PM - 6:15 PM
Superior, Meeting Level 2
Interactive Training Workshop: Aortic Valve-in-Valve Training Workshop #2
Moderators: Dan Watson

4:15 PM Welcome Remarks
   Moderators: Dan Watson
4:17 PM TAV in Stentless Valves Procedures
   Moderators: Dan Watson
5:17 PM Stented TAV in SAV Procedures
   Moderators: Dan Watson

LAA/PFO 2018: DAY 1

FRIDAY, JUNE 22, 2018
12:00 PM - 6:00 PM
Sheraton Ballroom II-III
Accrediation: CME,MOC

12:00 PM - 1:15 PM
Session I. Cardioembolic Stroke and LAA/PFO Closure Overview and Imaging
   Moderators: Anthony N. DeMaria, Vivek Y. Reddy
   Discussants: Subhasis Chatterjee, Shephal Doshi, Rajan Gadhia, Sameer Gafoor, Ashish Pershad, David J. Wilber

12:00 PM Cardioembolic Stroke: Scope, Etiologies, Guidelines, and Uncertainties
   Lecturers: Rajan Gadhia
12:10 PM Roundtable Discussion With Audience Q&A
12:15 PM Pharmacologic Agents to Prevent Stroke in Nonvalvular Atrial Fibrillation and PFO: Evidence and Real-world Practices
   Lecturers: Gregg W. Stone
12:25 PM Round Table Discussion With Audience Q&A
12:30 PM Atrial Fibrillation + PCI: The Myths and Realities of Triple Therapy
   Lecturers: Ashish Pershad
12:40 PM Roundtable Discussion With Audience Q&A
12:45 PM Electrical Approaches to NVAF in 2018 (Standalone or in Combination With LAA Occlusion): Evidence and Practical Recommendations
   Lecturers: Shephal Doshi
12:55 PM Roundtable Discussion With Audience Q&A
1:00 PM Surgical Approaches and Emerging Data for LAA Closure: Are the Results Robust?
   Lecturers: Subhasis Chatterjee
1:10 PM Roundtable Discussion with Audience Q&A

1:15 PM - 2:10 PM
Session II: LAA Closure Outcomes Evidence Review
   Moderators: William A. Gray, Gregg W. Stone
   Discussants: Megan Coylewright, Shephal Doshi, James B. Hermiller Jr, Reda Ibrahim, DJ Lakkireddy, Matthew J. Price, Vivek Y. Reddy, Thomas Smith

1:15 PM Indications and Uncertainties for Atrial Fibrillation Treatment: Risk Scores, Single AF Episode, Post-CABG AF, Valvular vs. Nonvalvular, and More
   Lecturers: Vivek Y. Reddy
1:30 PM Updated Watchman Results in Anticoagulant Indicated and Contraindicated Patients: Randomized Trials and Registries
   Lecturers: Matthew J. Price
1:45 PM Updated Amulet Outcomes and Ongoing Studies in Anticoagulant Indicated and Contraindicated Patients
   Lecturers: DJ Lakkireddy
1:55 PM Roundtable Discussion With Audience Q&A

2:10 PM - 3:05 PM
Session III: LAA Closure Technique I
   Moderators: Shephal Doshi, Josep Rodés-Cabau
   Discussants: William A. Gray, James B. Hermiller Jr, DJ Lakkireddy, Randall J. Lee, Matthew J. Price, Thomas Smith, Steven J. Yakubov

2:10 PM Watchman Tips and Tricks in Simple and Complex Anatomy (With Case Reviews)
   Lecturers: Ramon Quesada

TRANSCATHETER VALVE THERAPIES | FRIDAY, JUNE 22, 2018
2:25 PM  Amulet Tips and Tricks in Simple and Complex Anatomy (With Case Reviews)
Lecturers: DJ Lakireddy

2:40 PM  The Epicardial Approach: Lariat Indications, Technique, Outcomes, and Ongoing Studies
Lecturers: Steven J. Yakubov

2:55 PM  Roundtable Discussion With Audience Q&A

3:05 PM  - 6:00 PM
Session IV: Live Case Transmission Block #1 With Special Lectures
Live Case Co Moderators: William A. Gray, Matthew J. Price
Live Case Discussants: Shephal Doshi, Reda Ibrahim, Hüseyin Ince, Randall J. Lee, Josep Rodés-Cabau, David J. Wilber

3:05 PM  Live Cases From Cedars-Sinai Medical Center, Los Angeles, CA
Live Case Operators: Saibal Kar, Raj Makkar

3:05 PM  LAA Closure Plus: TAVR, MitraClip, PFO Closure, and More
Lecturers: Ramon Quesada

3:05 PM  Post LAA Closure Anticoagulation/Antiplatelet Regimens: Data and Practice
Lecturers: Josep Rodés-Cabau

3:05 PM  The Spectrum of LAA Closure Devices: Similarities and Meaningful Differences
Lecturers: Reda Ibrahim

3:05 PM  Weighing the Risks vs Benefits of LAA Closure vs Anticoagulation
Lecturers: David J. Wilber
8:00 AM - 9:00 AM
Session V: Imaging Mini-Symposium
Moderators: Rebecca T. Hahn, Thomas Smith
Discussants: Zahid Amin, Randall J. Lee, Brij Maini, Ramon Quesada, Vivek Y. Reddy, Dee Dee Wang

8:00 AM  LAA Imaging With 2D and 3D TEE: Preprocedural Assessment and Procedural Guidance
Lecturers: Rebecca T. Hahn

8:15 AM  ICE Guidance of LAA Closure
Lecturers: Vivek Y. Reddy

8:25 AM  Role of CT for LAA Interventions
Lecturers: Dee Dee Wang

8:35 AM  Imaging for PFO Closure: TEE, ICE, and Fluoroscopy
Lecturers: Brij Maini

8:50 AM  Roundtable Discussion

9:00 AM - 11:00 AM
Session VI: Live Case Transmission Block #2
Live Case Moderators: Vivek Y. Reddy
Live Case Co Moderators: John D. Carroll
Live Case Discussants: Sameer Gafoor, James B. Hermiller Jr, Saibal Kar, Ramon Quesada, Dee Dee Wang, Brian K. Whisenant

9:00 AM  Live Cases From CardioVascular Center, Frankfurt Germany
Live Case Operators: Horst Sievert

9:00 AM  Live Cases From University of Washington Medical Center/Regional Heart Center, Seattle, WA
Live Case Operators: Creighton W. Don, Thomas K. Jones, Zachary Steinberg, MD

11:00 AM - 12:15 PM
Session VII: LAA Closure Technique Corner
Moderators: Robert J. Sommer, Brian K. Whisenant
Discussants: John D. Carroll, Rajan Gadadia, Saibal Kar, Ashish Pershad, Matthew J. Price, Josep Rodés-Cabau

11:00 AM  Trans-septal Puncture for LAA Closure: The Right Way and the Wrong Way
Lecturers: Brian K. Whisenant

11:10 AM  Procedural Complications of LAA Closure in Perspective: Frequency, Learning Curve, and More
Lecturers: Josep Rodés-Cabau

11:20 AM  Pericardial Effusions and Tamponade After LAA Closure: Frequency, Mechanisms, and Treatment (With Cases)
Lecturers: Saibal Kar

11:30 AM  Residual Leaks After LAA Closure: Surveillance, Diagnosis, and Treatment (With Cases)
Lecturers: Robert J. Sommer

11:40 AM  An Integrated Strategy to Prevent Both Ischemic and Hemorrhagic Strokes
Lecturers: Rajan Gadadia

11:50 AM  Roundtable Discussion With Audience Q&A

12:05 PM - 12:45 PM
Break for Exhibits and Lunch

12:45 PM - 2:00 PM
Session VIII: PFO Closure Comes of Age
Moderators: John D. Carroll, Brij Maini
Discussants: Zahid Amin, Mark J. Goodwin, Matthew J. Price, Ramon Quesada, Robert J. Sommer, Lars Sondergaard

12:45 PM  Data Deliverance: Updated PFO Closure for Cryptogenic Stroke Clinical Trial Review and Guidelines
Lecturers: Lars Sondergaard
1:00 PM Beyond Iatrogenic Stroke: PFO Closure for Migraine and More
Lecturers: Robert J. Sommer

1:10 PM The Spectrum of PFO Closure Devices: Similarities and Meaningful Differences
Lecturers: John D. Carroll

1:20 PM Basic and Advanced PFO Closure Techniques
Lecturers: Brij Maini

1:35 PM Early and Late PFO Closure Complications
Lecturers: Zahid Amin

1:45 PM Roundtable Discussion With Audience Q&A

2:00 PM - 4:00 PM
Session IX: Live Case Transmission Block #3
Live Case Moderators: Saibal Kar
Live Case Co Moderators: Josep Rodés-Cabau
Live Case Discussants: Zahid Amin, Megan Coylewright, Mark J. Goodwin, Brij Maini, Robert J. Sommer, Torsten P. Vahl

2:00 PM Live Cases From CardioVascular Center, Frankfurt Germany
Live Case Operators: Horst Sievert

2:00 PM Live Cases From University of Washington Medical Center/Regional Heart Center, Seattle, WA
Live Case Operators: Creighton W. Don, Jacqueline Saw

4:00 PM - 5:00 PM
Session X: LAA/PFO Closure Program Building
Moderators: James B. Hermiller Jr, Saibal Kar
Discussants: Megan Coylewright, Mark J. Goodwin, Brij Maini, Robert J. Sommer, Torsten P. Vahl

4:00 PM How Should Physicians and Patients Choose Between Alternative Therapies for NVAF and Iatrogenic Stroke? The Essence of Shared Decision-making
Lecturers: Megan Coylewright

4:10 PM Roundtable Discussion With Audience Q&A

4:15 PM Establishing and Growing an Integrated LAA/PFO Closure Program for Cardioembolic Stroke Prevention (With QA Oversight): A Roundtable Discussion With Audience Participation