LAA Closure, TAVR, Mitral and Tricuspid Repair and Replacement and More

Structural Heart Intervention and Imaging 2023: A Practical Approach

February 1-3, 2023 – Hyatt Regency La Jolla at Aventine • San Diego, California

Visit www.scripps.org/shicme for conference updates!
Conference Overview
Scripps’ Structural Heart Intervention and Imaging conference is designed to provide a practical, cutting-edge, and live case-based assessment of structural heart disease interventions and cardiovascular imaging. The course will place a strong emphasis on the collaborative nature of these procedures across many disciplines within cardiology. Expert faculty will include interventionists, invasive cardiologists, echocardiologists, electrophysiologists, cardiothoracic surgeons, cardiac anesthesiologists, and sonographers. Faculty will discuss clinical guidelines on patient selection, pre-procedural assessment, procedural tips, techniques, and challenges (including concurrent imaging) during the performance of the procedures and conclude with assessment of outcomes and future directions.

Educational Objectives
After attending this live activity, participants should be able to:

<table>
<thead>
<tr>
<th>Objective</th>
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<tbody>
<tr>
<td>• Assemble the appropriate multidisciplinary team, imaging technologies, and catheter equipment to perform structural heart disease interventions.</td>
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<tr>
<td>• Apply a comprehensive approach to the assessment of the aortic, mitral, and tricuspid valves, the interatrial septum, and the left and right ventricles, using echocardiography (TTE, TEE, and ICE), CT, and MRI for the purpose of the interventional treatment of these cardiac structures.</td>
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<tr>
<td>• Cite the current indications for LAA closure, PFO closure, transcatheter aortic valve replacement (TAVR), transcatheter mitral valve replacement (TMVR), and mitral transcatheter edge to edge repair (TEER).</td>
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<td>• Interpret echocardiographic and CT imaging before and after LAA closure, and identify and measure peri-device leaks, device-related thrombus, and other potential complications.</td>
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<td>• Select the appropriate treatment strategy for patients with mitral valve disease (i.e., TEER or TMVR) or tricuspid valve disease (i.e., TEER or TTVR) based upon imaging findings.</td>
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<td>• Incorporate live TEE multiplanar imaging to optimize transcatheter mitral and tricuspid valve intervention.</td>
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<td>• Utilize 2D and 4D ICE during structural heart intervention.</td>
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<td>• Recognize the risk of left ventricular outflow tract obstruction after TMVR and coronary occlusion after TAVR and apply specific interventional strategies to prevent them (e.g., LAMPOON and BASILICA).</td>
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<td>• Integrate emerging data regarding surgical risk, including low and intermediate-risk patients into TAVR decision-making.</td>
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<td>• Identify heart failure patients who might benefit from novel interventional strategies, such as interatrial shunt devices, to improve symptoms.</td>
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<td>• Optimize the anesthetic management of patients with reduced ejection fraction undergoing TEER or TMVR.</td>
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<tr>
<td>• Employ best practices to safely manage potential complications of catheter-based therapies for structural heart disease.</td>
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Accreditation and Disclosure

Physicians
Scripps Health is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.
Scripps Health designates this live activity for a maximum of 16 AMA PRA Category 1 Credit(s)™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

ABIM MOC Points
Successful completion of this CME activity, which includes participation in the evaluation component, enables the participant to earn up to 16 Medical Knowledge MOC points in the American Board of Internal Medicine’s (ABIM) Maintenance of Certification (MOC) program. It is the CME activity provider’s responsibility to submit participant completion information to ACCME for the purpose of granting ABIM MOC credit.

Nurses and Nurse Practitioners
For the purpose of recertification, the American Nurses Credentialing Center accepts AMA PRA Category 1 Credit(s)™ issued by organizations accredited by the ACCME.
The American Academy of Nurse Practitioners Certified Program (AANPCP) and the American Association of Nurse Practitioners (AANP) accept AMA PRA Category 1 Credit(s)™ from organizations accredited by the ACCME.

Physician Assistants
PAs may claim a maximum of 16 Category 1 credits for completing this activity. NCCPA accepts AMA PRA Category 1 Credit(s)™ from organizations accredited by the ACCME.

Sonographers
This activity is approved by the American Society of Radiologic Technologists (ASRT) for Category A continuing education credit. This is a maximum of 16 Category A CE credits awarded.

Commercial Support
This activity is approved by the American Society of Radiologic Technologists (ASRT) for Category A continuing education credit. This is a maximum of 16 Category A CE credits awarded.

Commercial Support
This course is supported, in part, by educational grants from industry. In accordance with the ACCME Standards for Integrity and Independence in Accredited Continuing Education, a complete list of commercial support received will be provided to all learners who participate in the continuing education activity. For more information: www.accme.org/standards
### Conference Faculty

#### Course Directors

<table>
<thead>
<tr>
<th>Name</th>
<th>Institution</th>
<th>Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>Matthew Price, MD, FACC, FSCAI</td>
<td>Davis Medical Center</td>
<td>Assistant Professor Cardiac Electrophysiology Los Angeles, California</td>
</tr>
<tr>
<td>Jason Rogers, MD, FACC, FSCAI</td>
<td>University of California</td>
<td>Instructor Cardiac Electrophysiology Seattle, Washington</td>
</tr>
<tr>
<td>Gregory Fontana, MD, FACS, FACC, FAHA</td>
<td>University of Washington</td>
<td>Associate Professor Cardiac Electrophysiology Boston, Massachusetts</td>
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<tr>
<td>Nadira Hamid, MD, MCI, FACC, FASE, FESC, FRCPI</td>
<td>University of California</td>
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#### Course Co-Directors

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<tr>
<td>Gagan Singh, MD, FACC, FSCAI</td>
<td>Davis Medical Center</td>
<td>Instructor Cardiac Electrophysiology Los Angeles, California</td>
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<tr>
<td>Saibal Kar, MD, FACC, FSCAI</td>
<td>University of California</td>
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**Conference Faculty**

**Course Directors**

- **Matthew Price, MD, FACC, FSCAI**
  - Clinical Professor of Medicine
  - Director Cardiac Catheterization Laboratory
  - Scripps Clinic
  - La Jolla, California

- **Jason Rogers, MD, FACC, FSCAI**
  - Professor, Cardiovascular Medicine / Interventional Cardiology
  - Director, Structural Fellowships
  - University of California
  - Davis Medical Center
  - Sacramento, California

- **Gregory Fontana, MD, FACS, FACC, FAHA**
  - Director and Chairman of Cardiothoracic Surgery, Cardiovascular Institute
  - Los Robles Hospital and Medical Centre
  - Thousand Oaks, California

- **Nadira Hamid, MD, MCI, FACC, FASE, FESC, FRCPI**
  - Internal Medicine, Cardiovascular Disease
  - Minneapolis Heart Institute
  - Cardiovascular Imaging Research Center
  - Minneapolis Heart Institute Foundation
  - Minneapolis, Minnesota

- **Tsuyoshi Kaneko, MD, FACC**
  - Chief, Cardiac Surgery Section
  - Professor of Surgery
  - Washington University in St. Louis
  - St. Louis, Missouri

- **João Cavalcante, MD, FACC**
  - Director of Structural Heart Disease and Research
  - HCA Healthcare
  - Thousand Oaks, California

- **Susheel Kumar Kodali, MD**
  - Associate Professor in Medicine
  - Columbia University Irving Medical Center
  - Director, Structural Heart & Valve Center
  - New York-Presbyterian / Columbia University Medical Center
  - New York, New York

- **Konstantinos Kouliogianis, MD, FACC**
  - Director Echocardiography Lab
  - Associate Director, Cardiovascular Core Lab
  - Gagnon Cardiovascular Institute
  - Morristown Medical Center
  - Morristown, New Jersey

- **Stephen Little, MD, FRCP, FACC, FASE**
  - President, American Society of Echocardiography
  - John S. Dunn Chair in Clinical Cardiovascular Research and Education
  - Professor of Medicine
  - Weill Cornell Medical College, Cornell University
  - Director of Structural Heart
  - Houston Methodist Hospital System
  - Houston, Texas

- **G. Burkhard Mackensen, MD, PhD, FASE**
  - Director of Interventional Echocardiography
  - UW Medicine Heart Institute
  - Professor and Chair
  - Allan J. Treuer Endowed Professor of Anesthesiology
  - Adjunct Professor of Medicine
  - Department of Anesthesiology & Pain Medicine
  - University of Washington
  - Seattle, Washington

**Faculty**

- **Joseph Aragon, MD, FACC, FSCAI**
  - Interventional Cardiology & Cardiology
  - Division Director, Cardiology
  - Sansum Clinic
  - Santa Barbara, California

- **João Cavalcante, MD, FACC, FASE, FSCCT, FSCMR**
  - Director, Cardiac MRI and Structural CT Labs
  - Minneapolis Heart Institute
  - Abbott Northwestern Hospital
  - Director, Cardiovascular Imaging Research Center and Core Lab
  - Minneapolis Heart Institute Foundation
  - Minneapolis, Minnesota

- **Shephal Doshi, MD, FACC**
  - Director, Cardiac Electrophysiology
  - Pacific Heart Institute
  - Providence St. John’s Health Center
  - Santa Monica, California

- **Konstantinos Kouliogianis, MD, FACC**
  - Director Echocardiography Lab
  - Associate Director, Cardiovascular Core Lab
  - Gagnon Cardiovascular Institute
  - Morristown Medical Center
  - Morristown, New Jersey

- **G. Burkhard Mackensen, MD, PhD, FASE**
  - Director of Interventional Echocardiography
  - UW Medicine Heart Institute
  - Professor and Chair
  - Allan J. Treuer Endowed Professor of Anesthesiology
  - Adjunct Professor of Medicine
  - Department of Anesthesiology & Pain Medicine
  - University of Washington
  - Seattle, Washington

- **Moody Makar, MD**
  - Director of Cathlab Anesthesia
  - Department of Anesthesiology
  - Cedars-Sinai Medical Center
  - Los Angeles, California

- **James McCabe, MD, FACC, FSCAI**
  - Medical Director, UW Cardiac Cath Labs
  - Associate Professor of Medicine
  - Craig Tall & Penny LeGate Term
  - Professor of Interventional Cardiology
  - University of Washington
  - Seattle, Washington

- **Rajeev Mohan, MD**
  - Director, Cardi-Oncology and Cardiac Amyloid Program
  - Advanced Heart Failure and Mechanical Circulatory Support Program
  - Scripps Clinic
  - La Jolla, California

- **Michael Picard, MD, FACC, FASE**
  - Editor in Chief
  - Journal of the American Society of Echocardiography
  - Professor of Medicine
  - Harvard Medical School
  - Director Emeritus
  - Echocardiography, Massachusetts General Hospital
  - Boston, Massachusetts

- **Devi Nair, MD, FACC, FHRS**
  - Director of Cardiac Electrophysiology & Research
  - St. Bernard’s Medical Center & White River Medical Center
  - Director, Arrhythmia Research
  - Group Assistant Professor
  - University of Arkansas Medical Sciences
  - Jonesboro, Arkansas

- **Rishi Puri, MD, PhD, FRACP**
  - Interventional Cardiologist
  - Tom’sich Family Department of Cardiovascular Medicine
  - Sydell and Arnold Miller Family Heart, Vascular & Thoracic Institute
  - Cleveland Clinic
  - Cleveland, Ohio

- **Michael Rinaldi, MD, FACC, FSCAI**
  - Medical Director, Sanger Heart & Vascular Institute’s Structural Heart Program
  - Professor of Medicine
  - UNC-Chapel Hill and Atrium Health
  - Charlotte, North Carolina

- **Austin Robinson, MD**
  - Advanced Cardiovascular Imaging
  - Director, Pericardial Diseases Clinic
  - Scripps Clinic
  - La Jolla, California
Conference Faculty

David Rubenson, MD, FACC, FASE
Founding Director, Cardiac Non-Invasive Laboratory
Scripps Clinic
La Jolla, California

Rahul Sharma, MBBS, FRACP
Director of Structural Interventions
Stanford Healthcare
Clinical Assistant Professor of Medicine
Stanford University
Stanford, California

Douglas Shook, MD, FASE
Chief, Division of Cardiac Anesthesia
Department of Anesthesiology
Perioperative and Pain Medicine
Brigham and Women’s Hospital
Harvard Medical School
Boston, Massachusetts

Ajay Srivastava, MD
Director, Acute Mechanical Circulatory Support Program
Scripps Clinic
La Jolla, California

David Thaler, MD, PhD, FAHA
Neurologist-in-Chief
Chairman and Professor, Department of Neurology
Tufts University School of Medicine
Boston, Massachusetts

Firas Zahr, MD, FACC
Director of Interventional Cardiology
Co-Director of Complex Heart Valve Program
Associate Professor of Medicine
Division of Cardiovascular Medicine
Oregon Health and Science University
Portland, Oregon

Conference Agenda

Wednesday, February 1, 2023

8 a.m. Registration

9:30 - 10:30 a.m. 3D Intracardiac Echocardiography: A Practical Workshop
Non-CME Symposium Supported by Philips

Moderators: Matthew Price, MD and Steven Romero, MD

Verisight 3D ICE: Catheter, Knobology, and ICE Imaging Fundamentals
Shepal Doshi, MD

Verisight 3D ICE for LAA Closure: My Approach to Case Workflow Including Catheter Manipulation and Imaging
Matthew Price, MD

Advanced 3D ICE: A Review of Challenging Cases and What I Learned
Gagan Singh, MD

Panel Discussion

10:45 - Transcatheter Left Atrial Appendage Occlusion with the Amulet:
11:45 a.m. A Practical Workshop for Implanters and Imagers
Non-CME Symposium Supported by Abbott

Moderator: Jason Rogers, MD

Amulet Fundamentals: The Device and Case Flow, Step-by-Step
Devi Nair, MD

How to Choose the Right Size Amulet Occluder Based on CT/Echo Imaging
Jason Rogers, MD

Rahul Sharma, MBBS

Noon - New Learnings in PFO Evaluation and Closure
Non-CME Lunch Symposium Supported by W.L. Gore

Moderator: Matthew Price, MD

The PFO-Related Stroke: Concept, Diagnosis, and Prognosis
David Thaler, MD

Anatomic Complexity of PFO: How it Influences Treatment Decisions and Implant Technique
Matthew Price, MD

To Close or Not to Close: Case Studies in PFO Decision Making
Joseph Aragon, MD

1 p.m. Break & View Exhibits
**Wednesday, February 1 (cont.)**

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<thead>
<tr>
<th>Time</th>
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<tr>
<td>1:30 p.m.</td>
<td><strong>LIVE CASE FROM SCRIPPS CLINIC</strong></td>
<td>Jason Rogers, MD</td>
<td><strong>Clinical-Pathological Correlations: The Tricuspid Valve</strong> Douglas Shook, MD</td>
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<tr>
<td></td>
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<td><strong>State of the Art Echocardiographic Evaluation of the Tricuspid Valve: Anatomy, TR Severity, and TR Mechanisms</strong> Nadira Hamid, MD</td>
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<td><strong>TEE Guidance for Tricuspid TEER: Key Points for the Imager</strong> Moody Makar, MD</td>
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<td><strong>Tricuspid Anatomy and Patient Selection for TEER: Defining the Doable</strong> Gagan Singh, MD</td>
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<td>3:30 p.m.</td>
<td><strong>Break &amp; View Exhibits</strong></td>
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<td>4 p.m.</td>
<td><strong>LIVE CASE FROM SCRIPPS CLINIC</strong></td>
<td>Shepal Doshi, MD</td>
<td><strong>Clinical-Pathological Correlations: The Left Atrial Appendage</strong> Douglas Shook, MD</td>
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<td><strong>Transeptal Puncture for LAA: Tailoring Location to the Anatomy</strong> Devi Nair, MD</td>
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<td><strong>How to Evaluate for Residual Leak and Device-related Thrombus After LAA Closure</strong></td>
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<td><strong>Preventing Oropharyngeal and Esophageal Injury During Structural Intervention: Key Tips and Tricks for the Anesthesiologist and Imager</strong> Moody Makar, MD</td>
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<td><strong>Transcatheter LAA Closure in 2023: Data Update and Future Perspectives</strong> Matthew Price, MD</td>
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<td>6 p.m.</td>
<td><strong>Main Conference Adjourns &amp; Networking Reception</strong></td>
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**Thursday, February 2, 2023**

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<tr>
<td>6:30 a.m.</td>
<td><strong>Break &amp; View Exhibits</strong></td>
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<td>7:30 a.m.</td>
<td><strong>LIVE CASE FROM SCRIPPS CLINIC</strong></td>
<td>Jason Rogers, MD</td>
<td><strong>Clinical-Pathological Correlations: The Mitral Valve</strong> Douglas Shook, MD</td>
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<td><strong>Identifying the Spectrum of Mitral Valve Leaflet Pathology on TEE: Case Examples</strong> Stephen Little, MD</td>
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<td><strong>Evaluating Leaflet Coaptation Reserve and Augmentation to Predict Outcomes with Mitral TEER</strong> Joao Cavalcante, MD</td>
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<td><strong>Mitral TEER for Intermediate Surgical Risk Patients: Rationale, Design, and Update of Ongoing Clinical Trials</strong> Saibal Kar, MD</td>
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<td>9:30 a.m.</td>
<td><strong>Break &amp; View Exhibits</strong></td>
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<td>10 a.m.</td>
<td><strong>LIVE CASE FROM SCRIPPS CLINIC</strong></td>
<td>Gagan Singh, MD</td>
<td><strong>3D ICE Guidance for Tricuspid and Mitral TEER</strong> Gagan Singh, MD</td>
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<td><strong>Dedicated Transfemoral TMVR: Patient Selection, Procedure, and Pitfalls</strong> Firas Zahr, MD</td>
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<td><strong>TEER or TMVR: How Should We Match the Procedure with the Patient?</strong> Jason Rogers, MD</td>
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<td><strong>Mitral Surgery or Transcatheter Repair/Replacement: A Surgeon’s Perspective</strong> Tsuyoshi Kaneko, MD</td>
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<td>Noon</td>
<td>How to Incorporate Advanced CT Tools Into your Daily Structural Heart Practice</td>
<td>Matthew Price, MD</td>
<td>Non-CME Lunch Symposium Supported by FeOps</td>
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<td>1 p.m.</td>
<td><strong>Panel Discussion</strong></td>
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<td>My Patient Has Functional MR: When Do I Pull the Trigger for TEER? Ajay Srivastava, MD</td>
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<td><strong>What is Complex TEER? Let Your Imager Do the Talking</strong> Nadira Hamid, MD confirmed</td>
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<td><strong>Tailoring TEER Therapy to the Anatomy: Which Clip for Which Situation?</strong> Saibal Kar, MD</td>
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<td><strong>Moving Beyond P2 Prolapse: Complex Cases for Panel Discussion</strong> Matthew Price, MD</td>
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<td>1 p.m.</td>
<td><strong>Break &amp; View Exhibits</strong></td>
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Thursday, February 2 (cont.)

1:30 p.m.  LIVE CASE FROM SCRIPPS CLINIC
   Moderator: G. Burkhard Mackensen, MD, PhD
   Dealing with Disaster: My Worst Mitral Intervention Complications
   Jason Rogers, MD
   Transcatheter Tricuspid Valve Replacement: Data, Patient Selection, and Technique
   Susheel Kodali, MD
   Right Ventricular Function, TR, and Tricuspid TEER/TTVR
   Joao Cavalcante, MD
   Dedicated Bicaval Valve Implantation for TR: Rationale, Technique, and Future Directions
   Rishi Puri, MD, PhD

3:30 p.m.  Break & View Exhibits

4 p.m.  LIVE CASE FROM SCRIPPS CLINIC
   Moderator: Gregory Fontana, MD
   Inflow Gradients After Mitral and Tricuspid TEER: Nothing to See Here or Cause for Concern?
   Michael Rinaldi, MD
   Clinical-Pathological Correlations: The Aortic Valve
   Douglas Shook, MD
   How to Identify the Patient Who Will Benefit Most from PFO Closure: The PASCAL Score
   David Thaler, MD
   When Should I Make a Hole? Data Update for Interatrial Shunt Devices for HFpEF
   Rajeev Mohan, MD
   Live MPR Imaging for Structural Interventions: A Primer
   Douglas Shook, MD

6 p.m.  Main Conference Adjourns & Networking Reception

6:30 - 7:30 p.m.  A Case-Based Transcatheter LAA Closure Symposium:
   Using WATCHMAN FLX to Achieve Success in Challenging Patients, Challenging Imaging, and Challenging Anatomies
   Non-CME Dinner Symposium Supported by Boston Scientific Corporation
   Moderator: Shepal Doshi, MD
   Complex Patient Scenarios: Navigating Scylla and Charybdis in the Patient at Extreme Risk of Stroke and Bleeding
   Shepal Doshi, MD
   Defining Complexity Up Front: When Imaging Flashes Yellow and Red
   Michael Rinaldi, MD
   OMG: How Am I Going to Get This Device to Sit and Stay!
   Devi Nair, MD
   Emotionally Rich Transcatheter LAA Closure Cases
   Rahul Sharma, MBBS

Friday, February 3, 2023

6:30 a.m.  Breakfast & View Exhibits

7:30 a.m.  LIVE CASE FROM SCRIPPS CLINIC
   Moderator: Matthew Price, MD
   TAVR in 2023: What You Need to Know
   Paul Teirstein, MD
   Late TAVR Failure: Mechanisms, Management Strategies, and Implications
   Tsuyoshi Kaneko, MD
   The First Cut Is the Deepest: Life-time Planning for the Patient with Aortic Stenosis
   Gregory Fontana, MD
   Cerebral Protection During TAVR: Latest Data, Devices, and Decision Making
   Rishi Puri, MD, PhD
   TAVR for Aortic Insufficiency
   Curtiss Stinis, MD

9:30 a.m.  Break & View Exhibits

10 a.m.  LIVE CASE FROM SCRIPPS CLINIC
   Moderator: Matthew Price, MD
   Post-TAVR Gradients: Meaningless or Meaningful?
   Gregory Fontana, MD
   The Imager During Valve-in-MAC, Ring, or Valve: Here’s What you Need to Show
   G. Burkhard Mackensen, MD, PhD
   Preventing LVOT Obstruction Up Front: When and How SESAME and LAMPOON Step-by-Step
   James McCabe, MD
   Managing LVOT Obstruction Post-TMVR or Valve-in-Valve
   Firas Zahr, MD
   Putting It All Together: How I Approach Valve-in-Valve, Valve-in-Ring, and Valve-in-MAC
   James McCabe, MD

Noon  Final Adjournment

Topics, times, order of talks, and speakers are subject to change
**Scripps Health Conference Guidelines**

1. All staff, participants, and vendors must be asymptomatic to attend the in-person conference.
2. All staff, participants, and vendors will be required to wear masks and remain physically distanced during the conference.
3. Virtual conference participation will be available for staff, participants, and vendors who have recently been exposed to, or tested positive for COVID-19, and/or are symptomatic.

**These guidelines may be modified at any time in advance of or during the Conference.**

**In-Person Included:** Course tuition, breakfasts, breaks, lunches, symposiums, internet access, electronic course materials, and recordings

**Virtual Included:** Course tuition, live stream, electronic course materials, and recordings

**Not Included:** Travel costs, lodging, and parking

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<th>Thru Jan 3</th>
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**Attendance Policies**

**Attendee Cancellation, Substitution, Refund**
The course tuition is refundable, minus a $100 processing fee (MD, DO, RN, PA, NP) if your cancellation is received in writing no later than Friday, **January 20, 2023**. Attendee substitutions are allowed, but notification must be made in writing by **January 20, 2023**. After this date, under no circumstances will refunds, credits, or substitutions be granted. No refunds or credits will be given to “no shows.” No refunds shall be made for cancellations due to inclement weather.

**Registration Changes**
All registration changes (virtual to in-person or in-person to virtual) are subject to a $50 change fee when received within two weeks of the conference.

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Scripps reserves the right to modify the course’s schedule or program as necessary. Scripps also reserves the right to cancel this conference, in which case a full refund of the registration fee will be provided. Attendees who purchase non-refundable airline tickets do so at their own risk. Scripps encourages the purchase of travel insurance as we are unable to refund any travel costs (flight, hotel, etc.) in the case of Scripps cancellation.

**Health and Safety Waiver and Assumption of Risk**
By completion and submission of the meeting registration form, I certify that I have read and fully understand the Health and Safety Waiver and Assumption of Risk Agreement.
LAA Closure, TAVR, Mitral and Tricuspid Repair and Replacement and More

Featuring live case demonstrations, workshops, and satellite symposia!

Course Directors
Matthew J. Price, MD, FACC, FSCAI
Clinical Professor of Medicine
Director, Cardiac Catheterization Laboratory
Scripps Clinic
La Jolla, California

Jason H. Rogers, MD, FACC, FSCAI
Professor, Cardiovascular Medicine
Director, Interventional and Structural Fellowships
University of California Davis Medical Center
Sacramento, California

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