

**LAA CLOSURE, TAVR, MITRAL AND TRICUSPID VALVE REPAIR AND REPLACEMENT, AND MORE****Featuring live case demonstrations, workshops and satellite symposia!****Course Director****Matthew Price, MD, FACC, FSCAI**

Clinical Professor of Medicine  
Director, Cardiac Catheterization Laboratory  
Scripps Clinic  
La Jolla, California

**Course Co-Directors****Jason Rogers, MD, FACC, FSCAI**

Director, Interventional Cardiology and  
Structural Heart Fellowship Programs  
Clinical Professor, Division of  
Cardiovascular Medicine  
University of California, Davis Medical Center  
Sacramento, California

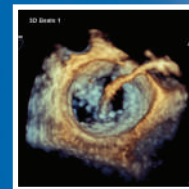
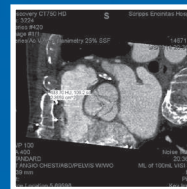
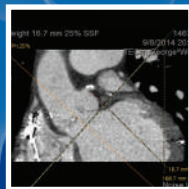
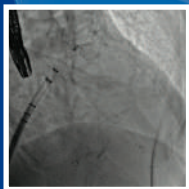
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Sacramento, California

# Structural Heart Intervention and Imaging 2024: *A Practical Approach*

**February 7-9, 2024** - Hyatt Regency La Jolla at Aventine • San Diego, California**Visit [www.scripps.org/shicme](http://www.scripps.org/shicme) for conference updates!**

# Structural Heart Intervention and Imaging 2024: A Practical Approach

## 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:**

- Assemble the appropriate multidisciplinary team, imaging technologies, and catheter equipment to perform structural heart disease interventions.
- 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.
- 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).
- Interpret echocardiographic and CT imaging before and after LAA closure, and identify and measure peri-device leaks, device-related thrombus, and other potential complications.
- 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.
- Incorporate live TEE multiplanar imaging to optimize transcatheter mitral and tricuspid valve intervention.
- Utilize 2D and 4D ICE during structural heart intervention.
- 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).
- Integrate emerging data regarding surgical risk, including low and intermediate-risk patients into TAVR decision-making.
- Identify heart failure patients who might benefit from novel interventional strategies, such as interatrial shunt devices, to improve symptoms.
- Optimize the anesthetic management of patients with reduced ejection fraction undergoing TEER or TMVR.
- Employ best practices to safely manage potential complications of catheter-based therapies for structural heart disease.

## 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)*<sup>™</sup>. 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)*<sup>™</sup> issued by organizations accredited by the ACCME.

The American Academy of Nurse Practitioners Certified Program (AAN-PCP) and the American Association of Nurse Practitioners (AANP) accept *AMA PRA Category 1 Credit(s)*<sup>™</sup> 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)*<sup>™</sup> 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.

### Pharmacists

The California Board of Pharmacy accepts as continuing professional education those courses that meet the standard of relevance to pharmacy practice and have been approved for *AMA PRA Category 1 Credit(s)*<sup>™</sup>.

### 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](http://www.accme.org/standards)





# Structural Heart Intervention and Imaging 2024: A Practical Approach

## Course Directors



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

## Course Co-Directors



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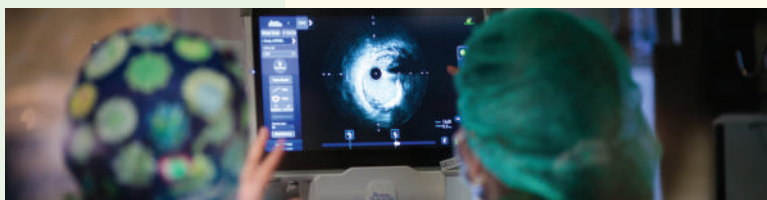
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La Jolla, California

## Faculty Disclosure

In accordance with the ACCME Standards for Integrity and Independence in Accredited Continuing Education, course directors, planners, moderators, faculty, and all others in control of the educational content of the continuing education activity must disclose all financial relationships with ineligible companies that they may have had within the past 24 months. If an individual refuses to disclose financial relationships, they will be disqualified from being a part of the planning and implementation of the activity. Owners and/or employees of an ineligible company with business lines or products relating to the content of the activity will not be permitted to participate in the planning or execution of any accredited program. All relevant financial relationships with ineligible companies listed for individuals in control of content have been mitigated.

A complete listing of faculty disclosures associated with this program can be found on the conference website: [www.scripps.org/shicme](http://www.scripps.org/shicme)



# Structural Heart Intervention and Imaging 2024: A Practical Approach

## Conference Agenda

### Wednesday, February 7, 2024

7 a.m. Registration

8 - 9 a.m. **Non-CME Symposium Supported by Philips**  
**INCORPORATING 3D ICE INTO YOUR STRUCTURAL INTERVENTIONS: A PRACTICAL WORKSHOP**  
Moderator: *G. Burkhard Mackensen, MD, PhD*  
**Nuts and Bolts of the VeriSight Pro 3D ICE Catheter**  
*Shephal Doshi, MD*  
**3D ICE for LAA Closure: Step-by-step**  
*Matthew Price, MD*  
**Technical Approach for Using 3D ICE for Tricuspid TEER**  
*Gagan Singh, MD*  
**3D ICE for TMVR and TTVR: This is the Way**  
*Matthew Price, MD*  
**Panel Discussion**

9 a.m. Break

9:20 - **Non-CME Symposium Supported by Abbott**  
10:20 a.m. **AMULET AND TALISMAN WORKSHOP: TRANSCATHETER APPROACHES TO STROKE PREVENTION**  
Moderator: *Devi Nair, MD*  
**Amulet Implantation Step-by-step to Optimize Outcome**  
*Raghu Gollapudi, MD*  
**Amulet Advanced Sizing and Implantation Scenarios**  
*Devi Nair, MD*  
**Talisman PFO Closure: Patient Selection, Device Sizing and Case Examples**  
*Keshav Nayak, MD*  
**Panel Discussion**

10:20 a.m. Break

10:40 - **Non-CME Symposium Supported by Abbott**  
11:40 a.m. **CHALLENGING CASES IN CONGENITAL STRUCTURAL DISEASE**  
Moderator: *Gagan Singh, MD*  
Presenters: *Joseph Aragon, MD*  
*Henri Justino, MD*  
*Matthew Price, MD*

11:40 a.m. Break



Noon - **Non-CME Symposium Supported by Boston Scientific Corporation**

1 p.m. **WATCHMAN FLX PRO WORKSHOP: ADDRESSING UNMET NEEDS IN LAA CLOSURE**  
Moderator: *Matthew Price, MD*

**Introductory Remarks**  
*Matthew Price, MD*

**No Thrombus, No Cry: The Rationale for Device Coating Materials**  
*Seun Alli, MD*

**Leave No Leak Behind: Key Tips for Optimal Device Sizing and Deployment**  
*Michael Rinaldi, MD*

**Graduating From Amateur to Pro: Case Examples of Successfully Overcoming Anatomic Complexity**  
*Shephal Doshi, MD*

**Panel Discussion**

1 p.m. Break & View Exhibits

1:30 p.m. **Live Case from Scripps Clinic**  
Moderator: *Jason Rogers, MD*

**The Present and Future Landscape of Devices for LAA Occlusion**  
*Jason Rogers, MD*

**Echo Evaluation for Peri-device Leak and Device-related Thrombus After LAA Occlusion: Definitions and Technique**  
*Konstantinos Koulogiannis, MD*

**Management of Peri-device Leak After LAAO: Should I Care and What Should I Do About It?**  
*Devi Nair, MD*

**Imaging, Devices and Avoiding Complications for Transseptal Puncture**  
*Gagan Singh, MD*

3:30 p.m. Break & View Exhibits

4 p.m. **Live Case from Scripps Clinic**  
Moderator: *Gagan Singh, MD*

**Clinical-Pathological Correlations: The Interatrial Septum**  
*Douglas Shook, MD*

**Interatrial Shunt Devices to Unload the LA in HFrEF and HFpEF**  
*Rajeev Mohan, MD*

**How to Perform and Interpret Exercise Right Heart Catheterization in Your Cath Lab**  
*Marat Fudim, MD*

**CT Evaluation of LAAO Devices Over Follow-up: Do's and Don'ts**  
*Omar Khalique, MD*

**Transcatheter Approaches to LV Remodeling in Heart Failure**  
*Rishi Puri, MD, PhD*

6 p.m. Main Conference Adjourns & Networking Reception



# Structural Heart Intervention and Imaging 2024: A Practical Approach

## Conference Agenda

### Wednesday, February 7, 2024 (cont.)

- 6:15 **Non-CME Symposium Supported by Abbott**  
7:30 p.m. **MITRAL TEER WITH MITRACLIP™: A NEW STANDARD OF CARE FOR THE TREATMENT OF SIMPLE AND COMPLEX MR**  
Moderator: *Matthew Price, MD*  
**Mitral TEER with MitraClip™: Latest Data and Its Clinical Implications**  
*Matthew Price, MD*  
**Advanced TEE Imaging Techniques to Approach Complex TEER Anatomy**  
*G. Burkhard Mackensen, MD, PhD*  
**Case Studies in Complex Mitral TEER: My Key Tips and Tricks**  
*Anita Asgar, MD, MSc*  
**Expanding Indications for Mitral TEER: The Value Proposition for REPAIR-MR**  
*Saibal Kar, MD*  
**Panel Discussion**

### Thursday, February 8, 2024

- 6:30 a.m. Breakfast & View Exhibits  
7:30 a.m. **Live Case from Scripps Clinic**  
Moderator: *Jason Rogers, MD*  
**Clinical-Pathological Correlations: The Tricuspid Valve**  
*Douglas Shook, MD*  
**Fundamentals of Tricuspid Regurgitation: Physiology, Classification and Quantification**  
*Nadira Hamid, MD*  
**Deep Dive into the Data for Tricuspid TEER**  
*Saibal Kar, MD*  
**TEE Guidance for Tricuspid TEER: Fundamentals for the Imager**  
*Nadira Hamid, MD*  
9:30 a.m. Break & View Exhibits  
10 a.m. **Live Case from Scripps Clinic**  
Moderator: *Gagan Singh, MD*  
**Keys to the Work-up and Management of the Patient with Severe TR: Words of Wisdom from a Heart Failure Specialist**  
*Rola Khedraki, MD*  
**Treatment Strategy for Tricuspid TEER: How to Choose Where to Grasp and Which Clip to Use to Achieve Optimal TR Reduction**  
*Anita Asgar, MD*  
**Transcatheter Tricuspid Valve Replacement: Devices, Data Update and Patient Selection**  
*Rahul Sharma, MBBS*  
**Bicaval Stenting for Tricuspid Regurgitation: In Whom and When?**  
*Rishi Puri, MD*

### Thursday, February 8, 2024 (cont.)

- Noon - **Non-CME Symposium Supported by Shockwave Medical**  
1 p.m. **CONQUERING HOSTILE FEMORAL VASCULATURE FOR LARGE-BORE ACCESS**  
Moderator: *Curtiss Stinis, MD*  
**The Challenge of Large-Bore Access in Arterial Calcification**  
*Aakriti Gupta, MD, MSc*  
**Intravascular Lithotripsy for Large-Bore Access: Device Sizing and Application**  
*Michael Rinaldi, MD*  
**When TAVR Gets Really Complex: What to do in the Face of Calcium in the Coronaries and the Pelvis**  
*Curtiss Stinis, MD*  
**Truly Shocking Case Examples**  
*Joseph Aragon, MD*  
1 p.m. Break & View Exhibits  
1:30 p.m. **Live Case from Scripps Clinic**  
Moderator: *G. Burkhard Mackensen, MD, PhD*  
**Clinical-Pathological Correlations: The Mitral Valve**  
*Douglas Shook, MD*  
**Comprehensive Echo Evaluation of the Mitral Valve: Best Practices for the Imager**  
*Konstantinos Koulogiannis, MD*  
**Mitral TEER: Defining the Do-able and Selecting the Right Clip Size to Do It With**  
*Michael Rinaldi, MD*  
**Improving Mitral TEER Success with Live Multiplanar Reconstruction by Echocardiography**  
*G. Burkhard Mackensen, MD, PhD*  
3:30 p.m. Break & View Exhibits  
4 p.m. **Live Case from Scripps Clinic**  
Moderator: *Jason Rogers, MD*  
**Diagnosis, Prognosis and Technical Approach to Mitral TEER for Atrial Functional Mitral Regurgitation**  
*Jason Rogers, MD*  
**Key Aspects of the CT Evaluation for TMVR and Valve-in-MAC**  
*Omar Khalique, MD*  
**TMVR: Emerging Devices and Data Update**  
*Paul Mahoney, MD*  
**Don't Forget About the Right Ventricle: Defining RV function, RV/PA Coupling and Considerations for Tricuspid Intervention**  
*João Cavalcante, MD*  
6 p.m. Main Conference Adjourns & Networking Reception  
6:15- **Non-CME Symposium Supported by Abbott**  
7:15 p.m. **LIFETIME MANAGEMENT AND VALVE SELECTION IN TAVI**  
Moderator: *Saibal Kar, MD*  
**Hemodynamics and Gradients Post-TAVR: Nothing to See Here or a Big Deal?**  
*Saibal Kar, MD*  
**Case Selection: Intra-annular or Supra-annular TAVR?**  
*Ethan Korngold, MD*  
**The Impact of TAVR Design on Lifetime Management**  
*Rahul Sharma, MD*  
**Panel Discussion**



# Structural Heart Intervention and Imaging 2024: A Practical Approach

## Conference Agenda

### Friday, February 9, 2024

6:30 a.m. Breakfast & View Exhibits

7:30 a.m. **Live Case from Scripps Clinic**  
Moderator: *Gregory Fontana, MD*

**Clinical-Pathological Correlations: The Aortic Valve**  
*Douglas Shook, MD*

**TAVR for Aortic Stenosis in 2024: Data and Device Update**  
*Paul Teirstein, MD*

**Aortic Stenosis and Insufficiency: The Latest in Imaging Evaluation and Prognosis**  
*Omar Khalique, MD*

**How to Identify and Address the Risk of LVOT Obstruction After Mitral Valve-in-valve or Valve-in-ring**  
*James McCabe, MD*

**Valve-in-MAC: My Approach**  
*James McCabe, MD*

9:30 a.m. Break & View Exhibits

10 a.m. **Live Case from Scripps Clinic**  
Moderator: *Gregory Fontana, MD*

**The Imager During Valve-in-MAC, Ring or Valve: Here's What You Need to Know...and Show**  
*G. Burkhard Mackensen, MD, PhD*

**Gradients After TAVR: A Big Deal or a Nothing Burger?**  
*Gregory Fontana, MD*

**TAVR for Aortic Insufficiency: Who, When and with What?**  
*Curtiss Stinis, MD*

**Lifetime Management of the Younger Patient with Aortic Stenosis**  
*Gregory Fontana, MD*

**Management Pathways for Mitral and Tricuspid Regurgitation: Matching the Device with the Patient**  
*Matthew Price, MD*

Noon Final Adjournment

*Topics, times, order of talks, and speakers are subject to change*



Noon **Non-CME Symposia Hosted by Philips**  
**VERISIGHT PRO 3D ICE TRAINING WORKSHOP**  
Faculty: *Shephal Doshi, MD, Matthew Price, MD, Rahul Sharma, MBBS, Gagan Singh, MD*

Noon **Registration**

1 p.m. **Working Lunch: The Fundamentals of 3D ICE**

2-5 p.m. **Track 1: Hands-on 3D ICE Guided LAAO**

The Value Proposition for 3D ICE-Guided LAAO  
Setting up for Success: Pre-case Planning and CT Assessment  
3D ICE-Guided LAA Protocol  
Hands-on Simulators for Imagers and Operators  
LAAO Case Studies and Discussion

2-5 p.m. **Track 2: Hands-on 3D ICE Guided Tricuspid Interventions**

The Value Proposition for 3D ICE-Guided Tricuspid Intervention  
Setting up for Success: Pre-case Planning  
3D ICE-Guided Tricuspid TEER  
3D ICE-Guided TTVR  
Beating Heart Simulator for Imagers and Operators  
Tricuspid Case Studies and Discussion

Want to cement your 3D ICE proficiency before departing La Jolla? Join conference faculty and Philips for a hands-on 3D ICE training Friday following the conclusion of the main conference. There are two tracks offered: **3D ICE-Guided LAAO or 3D ICE-Guided tricuspid interventions**. Each track is four hours in length and attendance is limited to 10 participants per track, three to ensure close faculty engagement.

This workshop is complimentary for the first 20 physician registrants to conference. A \$200 deposit is required to register and will be refunded upon attendance at the workshop. No-shows will not be refunded.



# Structural Heart Intervention and Imaging 2024: A Practical Approach

## Conference Location & Hotel Information

### Hyatt Regency La Jolla at Aventine

3777 La Jolla Village Drive  
San Diego, California 92122

**Reservations:** 888-421-1442

**Phone:** 858-552-1234

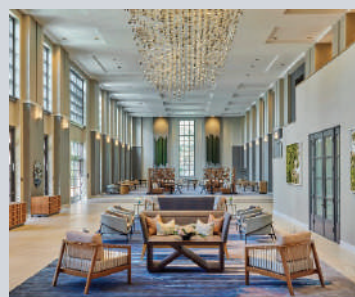
Visit course website for reservation link

### Rates and Reservations

Please make your own hotel reservations and request the Scripps conference reduced rate of \$229 per night (plus waived destination/resort fee and discounted parking). **Make your reservations early! A block of rooms is being held for us at the special rate of \$229 per night until Tuesday, January 10, 2023, or until**

**the room block fills, whichever comes first.**

After this date, reservations will be accepted on a space and rate availability basis only. Visit the conference website for a link to reserve a discounted room. Attendees who book their room through an online, third-party service are not eligible for room block concessions.



**REGISTER ONLINE** [www.scripps.org/shicme](http://www.scripps.org/shicme)



Scan here for conference changes,  
updates and additions!

## Conference Fees & Attendance Policies

Space is limited, so register early!

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

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

### Attendee Cancellation, Substitution, Refund

The course tuition is refundable, minus a \$100 processing fee (MD, DO, RN, PA, NP) or a \$50 processing fee (Fellow, Resident, Student), if your cancellation is received in writing no later than **Friday January 26, 2024**. Attendee substitutions are allowed, but notification must be made in writing by **Friday January 26, 2024**. 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.

### Scripps Conference Modification or Cancellation

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### Health and Safety Waiver and Assumption of Risk

By completion and submission of the online registration form, participants certify they have read and fully understand the Health and Safety Waiver and Assumption of Risk Agreement.

### Recording and Photography Clause

Scripps reserves exclusive rights to record (audio and video) and/or photograph all conference proceedings for use in marketing materials, presentations and course content sales.

	Thru Jan 4	Jan 5 - Feb 2	After Feb 2
Physicians (MD, DO, MBBS)	\$650	\$700	\$750
ASE Member Physician	\$500	\$550	\$600
RN, NP, PA, Techs, Other	\$450	\$500	\$550
ASE Member Non-Physician	\$350	\$400	\$450
Students, Residents, Fellows	\$300	\$350	\$400





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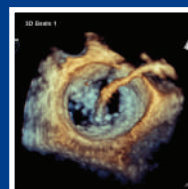
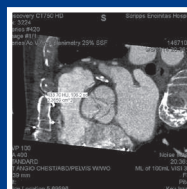
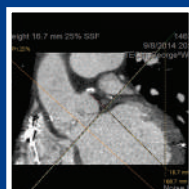


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