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
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

Structural Heart Intervention and Imaging 2022: A Practical Approach
February 2-4, 2022 • Hyatt Regency La Jolla at Aventine • San Diego, California

Visit www.scripps.org/shicme for course updates!
Scripps’ Structural Heart Intervention and Imaging conference is designed to provide a practical, cutting-edge, and live case-based assessment of the emerging area 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.

**Conference Highlights**

- Multidisciplinary expert faculty emphasizing a team approach to care
- Based structural heart disease interventional procedures with intraprocedural imaging, clinical-pathological correlations with ex vivo cardiac specimen, and pertinent didactic lectures
- Interactive formats, panel discussions, Q&A, and more
- Live satellite case transmissions
- Expanded satellite symposia and hands-on workshops

**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)™. 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.

For the purpose of re-licensure, the California Board of Registered Nursing accepts AMA PRA Category 1 Credit(s)™ for attendance at structured learning activities offered by 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 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

**Target Audience**
- Interventional and Invasive Cardiologists
- Echocardiographers
- Interventional Radiologists
- Cardiovascular Surgeons and Anesthesiologists
- Cardiology Nurses and Nurse Practitioners
- Cardiovascular Sonographers
- Cardiac Catheterization Technicians
Pre-Conference Workshop

Tuesday, February 1, 2022

8 a.m.-5 p.m. Hands-on Transseptal Symposium
Non-CME Activity Hosted by Baylis Medical with Imaging Provided by Siemens Healthcare
Matthew Price, MD, Jason Rogers, MD, Gagan Singh, MD, Douglas Shook, MD

This hands-on workshop is intended for the practicing interventional cardiologist who is planning on performing procedures involving left atrial access, such as, but not limited to, transcatheter mitral valve repair, LAAC closure, and mitral valvuloplasty. Upon completion of this activity, the participant should be able to utilize best practices in transseptal puncture to avoid complications. The agenda will include didactics, dissection, simulation, and an animal lab with hands-on catheter manipulation.

TO REGISTER YOU MUST VISIT: https://www.baylismedical.com/medical-education/transseptal-courses/scripps-hands-on-transseptal-course-ic/register/  THIS IS NOT PART OF THE SCRIPPS COURSE.

Conference Agenda

Wednesday, February 2, 2022

7 a.m. Registration

7:30 – 9:30 a.m. How to Build a Structural Echo Laboratory: From Nuts to Bolts
Non-CME Activity Supported by GE Healthcare
Kristen Billick, BS, ACS, RDCS, FASE
Echo Lab Manager
Scripps Health
La Jolla, California

9:30 a.m. – 10:30 a.m. Intracardiac Echocardiography (ICE) for Transcatheter LAO Occlusion: A Practical Workshop
Non-CME Breakfast Symposium Supported by Biosense Webster, Inc.
Shephal Doshi, MD, Matthew Price, MD, Jacqueline Saw, MD

10-11 a.m. Atrial Septal Defect and Patent Foramen Ovale Closure with Next-Generation Devices: A Case-Based Symposium
Non-CME Lunch Symposium Supported by W.L. Gore
Wellspecta, Inc.
Matthew Price, MD

Key Design Features and Clinical Data for the Cardiomyoplasty Septal and Cardiopulmonary ASD Occluders: Maximizing Safety and Efficacy
Matthew Price, MD
Panel Discussion
Cases of ASD Closure with the Novel Cardiopulmonary ASD Occluder: Sizing, Technique, and Advanced Tips and Tricks
Brent Gordon, MD
Panel Discussion

1 p.m. Break & View Exhibits

3 p.m. Break & View Exhibits

Conference Faculty

Course Directors
Matthew Price, MD, FACC
Director
Cardiac Catheterization Laboratory
Scripps Clinic
La Jolla, California

Jason Rogers, MD, FACC, FSCAI
Professor, Cardiovascular Medicine
Director, Interventional and Structural Fellowships
University of California
Davis Medical Center
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Course Co-Director
Steven Romero, MD, FACC, FASE
Director of Procedural Imaging
Scripps Clinic
La Jolla, California

Conference Faculty and Moderators
Joseph Aragon, MD, FACC, FSCAI
Staff Physician, Interventional Cardiology & Cardiology
Santa Barbara Cottage Hospital
Division Director, Cardiology
Ivanpah Clinic
Santa Barbara, California

Kristen Billick, BS, ACS, RDCS, FASE
Echo Lab Manager
Scripps Health
La Jolla, California

João Cavalcante, MD, FACC, FSCCT, FSCMR
Director, Cardiac MRI, Structural CT and Cardiovascular Imaging Core Lab
Gagnon Cardiovascular Institute
Los Robles Hospital and Medical Centre
Thousand Oaks, California

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

Brent Gordon, MD, FACC
Director, Cardiac Pediatric Cardiac Catheterization Laboratory
Loma Linda University Children’s Hospital
Associate Professor, Pediatric Cardiology
Loma Linda University
Loma Linda, 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

Kosta Koulogiannis, MD, FACC
Director Echocardiography Lab
Associate Director, Cardiovascular Core Lab
Gagnon Cardiovascular Institute
Morristown Medical Center
Morristown, New Jersey

Stephen Little, MD, FRPCC, FACC, FASE
John S. Dunn Chair in Clinical Cardiovascular Research and Education
Professor of Medicine, Well Cornell Medical College, Cornell University
Director, Structural Heart
Houston Methodist Hospital System
Houston, Texas

G. Burkard Mackensen, MD, PhD, FASE
Director of Interventional Echocardiography
Chief Division of Cardiovascular Anesthesiology
UW Medicine Research & Education
Endowed Professor in Anesthesiology
Department of Anesthesiology & Pain Medicine
University of Washington
Seattle, Washington

Paul Mahoney, MD, FACC, FSCAI
Director, Sentara Heart Structural Heart Programs
Sentara Health
Norfolk, Virginia

Moody Makar, MD
Cardiac Anesthesiologist, Echo Specialist
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

Akhil Narang, MD, FACC, FASE, FSCMR
Assistant Professor of Medicine
Division of Cardiology
Feinberg School of Medicine
Northwestern University
Chicago, Illinois

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

Michael Rinaldi, MD, FACC, FSCAI
Medical Director, Sanger Heart & Vascular Institute’s Structural Heart Program
Professor of Medicine
UMDNJ-New Jersey Medical School and Rutgers
Charlotte, North Carolina

Austin Robinson, MD
Advanced Transseptal Imaging Director, Percardial Diseases Clinic
Scripps Clinic
La Jolla, California

David Rubenson, MD, FACC, FASE
Founder/President
Cardiac Non-Invasive Laboratory
La Jolla, California

Jacqueline Saw, MD, FRPCC, FACC, FAHA, FSCAI
Clinical Associate Professor of Medicine
University of British Columbia
Interventional Cardiology Fellowship Program
Director
Vancouver General Hospital
Vancouver, British Columbia, Canada

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

Douglas Shook, MD, FASE
Director, Cardiothoracic Anesthesia Fellowship
Director, Cardiac Interventional Anesthesia Services
Department of Anesthesiology
Perioperative and Pain Medicine
Brigham and Women’s Hospital
Harvard Medical School
Boston, Massachusetts

Gagan Singh, MD, FACC, FSCAI
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Ajay Srivastava, MD, FACC
Director, Acute Mechanical Circulatory Support Program
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Curtiss Stinis, MD, FACC, FSCAI
Director, Peripheral Interventions
Scripps Clinic
La Jolla, California

Paul Teirstein, MD, FACC, FSCAI
Chief of Cardiology
Director, Interventional Cardiology
Scripps Clinic
La Jolla, California

Michael Valderrabano, MD, FACC
Director, Division of Cardiac Electrophysiology
The Methodist Hospital
Houston, Texas

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 ineligible company with business ties or products related 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/whoswha.
# Conference Agenda

## Wednesday, February 2, 2022 (cont.)

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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| 4 p.m. | **LIVE CASE FROM SCRIPPS CLINIC**  
Moderators: Michael Picard, MD and Gagan Singh, MD  
The Left Atrial Appendage: Clinical-Pathologic Correlations  
Douglas Shock, MD  
Optimizing Outcomes with Amulet™: Key Aspects of Device Deployment and Result Assessment  
Jacqueline Saw, MD  
Optimizing Outcomes with Watchman FLX™: Key Aspects of Device Deployment and Result Assessment  
Paul Mahoney, MD  
Echo Evaluation of LAOO: How to Measure Peridevice Leaks, Identify DRT and Define Normal Healing for Amulet™ and Watchman FLX™  
Kosta Koulogiannis, MD |
| 6 p.m. | Main Conference Adjourns & Networking Reception |

## Thursday, February 3, 2022 (cont.)

<table>
<thead>
<tr>
<th>Time</th>
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</table>
| 1:30 p.m. | **LIVE CASE FROM HOUSTON METHODIST HOSPITAL**  
Operator: Miguel Valderrabano, MD  
Moderators: Matthew Price, MD and Steven Romero, MD  
The Tricuspid Valve II: Clinical-Pathologic Correlations  
Douglas Shock, MD  
Right Heart Failure and Tricuspid Regurgitation: Recognition, Prognosis and Management  
Akhil Narang, MD  
Transcatheter Tricuspid Valve Replacement: Current State of the Field  
Susheel Kodali, MD  
Transcatheter Electrosurgical Leaflet Laceration to Prevent TAVR Coronary Obstruction and LVOTO: When and How to BASILICA and LAMPOON  
James McCabe, MD |
| 3:30 p.m. | Break & View Exhibits |
| 4 p.m. | **LIVE CASE FROM SCRIPPS CLINIC**  
Moderator: Jason Rogers, MD  
Live 3D MPR for Tricuspid and Mitral Interventions: Step-by-Step and Case Examples  
Douglas Shock, MD  
Novel Approaches to Transcatheter Mitral Valve Repair  
Michael Rinaldi, MD  
Anatomical Constraints for TMVR: Defining the Do-Able by Cardiac CT  
João Cavalcante, MD  
Dedicated TMVR: Patient Selection and Trial Updates  
Jason Rogers, MD |
| 6 p.m. | Main Conference Adjourns & Networking Reception |

## Friday, February 4, 2022

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tr>
<td>6:30 a.m.</td>
<td>Breakfast &amp; View Exhibits</td>
</tr>
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</table>
| 7:30 a.m. | **LIVE CASE FROM SCRIPPS CLINIC**  
Moderators: Jason Rogers, MD and David Ruberson, MD  
Quantification of AS and AI Severity by Echo: Where We Stand in 2022  
Michael Picard, MD  
The Current State of TAVR: Where Are We and Where Are We Going?  
Paul Teirstein, MD  
TAVR or SAVR in the Younger Patient: Anatomic and Clinical Considerations in Selecting the Right Therapy  
Gregory Fontana, MD  
Alternative Access for TAVR: Patient Selection and Technique  
Curtiss Stinis, MD |
| 9:30 a.m. | Break & View Exhibits |
| 10 a.m. | **LIVE CASE FROM SCRIPPS CLINIC**  
Moderators: G. Burkhard Mackensen, MD and Matthew Price, MD  
The Mitral Valve: Clinical-Pathologic Correlations  
Douglas Shock, MD  
Complex TEER Techniques with MitraClip™: Clip Selection, Advanced Steering, Independent Leaflet More  
Paul Mahoney, MD  
Imaging Assessment of Procedural Results and Residual MR After TEER  
Kosta Koulogiannis, MD  
Transcatheter Mitral Valve-in-Valve: Patient Selection, Technique and Outcome  
Susheel Kodali, MD |
| Noon | Facilitating Femoral: The Role of Intravascular Lithotripsy in TAVR  
Non-CME Lunch Symposium Supported by Shockwave Medical  
Mechanism of Action of IVL and Technical Approach  
James McCabe, MD  
Selecting Alternative or Transfemoral Access: My Approach  
Curtiss Stinis, MD  
When The Going Gets Tough, The Tough Gets Intravascular Lithotripsy: Case Examples  
Rahul Sharma, MBBS  
Panel Discussion & Wrap-up |
| 1 p.m. | Break & View Exhibits |
| Noon | Final Adjournment |
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

Rates and Reservations
Please make your own hotel reservations and request the Scripps conference reduced rate of $229 per night (plus tax and parking). This low rate also includes:

- Waived resort/destination fee
- Discounted overnight self-parking
- Complimentary guestroom internet service
- Complimentary use of the fitness center

Make your reservations early! A block of rooms is being held for us at the special rate of $229 per night until January 11, 2022 or until the room block fills, whichever comes first. After this date, reservations will be accepted on a space and rate availability basis only. Be sure to mention that you are attending the Scripps primary care conference when making your reservations to receive the reduced rate. A direct link to reserve rooms at the discounted rate can be found on the conference web page under the conference location section: www.scripps.org/shicme

Please note: Attendees who book their room through an online, third-party service (Hotels.com©, Expedia.com©, Priceline.com©, etc.) are not eligible to receive the amenities listed above.

REGISTER ONLINE www.scripps.org/shicme

Conference Fees & Registration

Conference Course Materials
All course materials will be available in the Scripps Health CME conference app. Presentations will be added to the app as they are received. Presentations may be downloaded and saved for your personal use. Recordings of all presentations will also be available in the app approximately one month after the conference. No printed syllabus will be available.

Scripps Health Meeting Guidelines
1. Proof of vaccination will be required for all staff, participants, and vendors who wish to attend the conference in-person.
2. Staff, participants, and vendors will be required to wear masks and remain physically distanced during the conference.

Space is limited, so register early!

Included: Course tuition, breakfasts, breaks, lunch, internet access, and electronic course materials

<table>
<thead>
<tr>
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<th>Thru Jan 3</th>
<th>Jan 4 - Jan 27</th>
<th>After Jan 27</th>
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<tbody>
<tr>
<td>Physicians</td>
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<tr>
<td>Scripps/ASE Member Non-Physician</td>
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Attendance Policies
Attendee Cancellation, Substitution, Refund
The course tuition is refundable, minus a $100 processing fee, if your cancellation is received in writing no later than Friday, January 21, 2022. Attendee substitutions are allowed, but notification must be made in writing by Friday, January 21, 2022. After this date, under no circumstances will refunds, credits, or substitutions be granted. No refunds or credits will be given to “no shows.”

Family / Guest Attendance Policy
All conference activities are exclusively reserved for paid conference attendees. Children and family members are not allowed to attend meal functions or permitted in the general session room.

Scripps Conference Modification or Cancellation
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. We are unable to refund any travel costs (flight, hotel, etc.) in the case of Scripps cancellation.
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