

# 7<sup>th</sup> Annual Keys to Cardiac Imaging

September 29 – October 2, 2024  
The Ritz-Carlton Key Biscayne, Miami

## Sunday, September 29, 2024

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6:15 a.m.     **Registration & Continental Breakfast**

7:15 a.m.     **Welcome and Introductions**  
Pragnesh P. Parikh, M.D. & Patricia J. Mergo, M.D.

### Ischemic Heart Disease

**Moderators:** Patricia J. Mergo, M.D. and Pragnesh P. Parikh, M.D.

7:30 a.m.     **Stress Echocardiography**  
Amy W. Pollak, M.D.

7:50 a.m.     **Nuclear Stress Testing, Including SPECT and PET**  
Panithaya Chareonthaitawee, M.D.

8:10 a.m.     **Cardiac MRI for Stress Testing and Viability**  
Amy W. Pollak, M.D.

8:30 a.m.     **Questions and Answers**  
Drs. Chareonthaitawee and A. Pollak

8:45 a.m.     **Coronary CT for Calcium Score: Indications, Prognosis, Management**  
Isabel O. Cortopassi, M.D.

9:05 a.m.     **Coronary CTA: Native Coronary Arteries, Bypass Grafts, and Flow by FFR**  
Tim Leiner, M.D., Ph.D.

9:25 a.m.     **Stress Testing vs. CTA. Choosing the Right Test for Your Patient**  
S. Allen Luis, M.B.B.S., Ph.D.

9:45 a.m.     **Questions and Answers**  
Drs. Cortopassi, Leiner, and Luis

10:00 a.m.    **Refreshment Break | Visit Exhibits**

### Special Topics

**Moderators:** Brian P. Shapiro, M.D. and Isabel O. Cortopassi, M.D.

10:15 a.m.    **Noncardiac Manifestations of Cardiac Disease**  
Brent P. Little, M.D.

10:35 a.m.    **MRI Evaluation of Cardiac Masses**  
Andrew W. Bowman, M.D., Ph.D.

10:55 a.m.    **Multimodality Imaging in Cardio-Oncology**  
Chadi Ayoub, M.B.B.S., Ph.D.

- 11:15 p.m. **Questions and Answers**  
Drs. Little, Bowman, and Ayoub
- 11:30 p.m. **Multimodality Imaging of Simple and Complex Congenital Heart Disease**  
Katia Marisa Bravo Jaimes, M.D.
- 12:10 p.m. **Multimodality Imaging of Thoracic Aorta**  
Sushil Sonavane, M.B.B.S, M.D.
- 12:30 p.m. **Questions and Answers**  
Drs. Bravo Jaimes and Sonavane
- 12:55 p.m. **Adjourn**

### **Hands on Echo Workshop**

Hands-On Echo Scanning Session – Sign-Up Required | Limited Registration (35)

- 2:00 p.m. **Cardiac POCUS: Assessing the LV – Basic Views, Wall Motion, EF**  
Amy Pollak, M.D.  
  
Hands-On Echo Scanning with Advanced Cardiac Sonographer
- 3:00 p.m. **Cardiac POCUS: Assessing the RV, Pulmonary Pressures, and IVC**  
Ali Mays, M.D.  
  
Hands-On Echo Scanning with Advanced Cardiac Sonographer
- 4:00 p.m. **Cardiac POCUS: Assessment of Valvular Heart Disease**  
Reza Arsanjani, M.D.  
  
Hands-On Echo Scanning with Advanced Cardiac Sonographer
- 5:00 p.m. **Adjourn**

## **Monday, September 30, 2024**

- 6:40 a.m. **Continental Breakfast**
- 7:00 a.m. **Oral Abstract Presentations**

### **Valvular Heart Disease**

**Moderators:** Pragnesh P. Parikh, M.D. and Isabel Cortopassi, M.D.

- 7:30 a.m. **Echo Evaluation of Aortic Stenosis**  
Reza Arsanjani, M.D.
- 7:50 a.m. **TAVR CT: Aortic Valve Calcium Score, Annular Measurements, Peripheral Vessel Assessment**  
Peter M. Pollak, M.D.

- 8:10 a.m. **TAVR CT: Beyond the Basics: Valve-in-Valve, Bicuspid Aortic Valve, and Alternate Access Assessment**  
Eric E. Williamson, M.D.
- 8:30 a.m. **Questions and Answers**  
Drs. Arsanjani, P. Pollak, and Williamson
- 8:45 a.m. **Echo Evaluation of Mitral Regurgitation**  
Reza Arsanjani, M.D.
- 9:05 a.m. **Imaging for Percutaneous Mitral Valve Interventions**  
Abdallah El Sabbagh, M.D.
- 9:25 a.m. **Surgical Treatment of Mitral Valve Disease: Critical Role of Imaging**  
Kevin Landolfo, M.D.
- 9:45 a.m. **Questions and Answers**  
Drs. Arsanjani, El Sabbagh, and K. Landolfo
- 10:00 a.m. **Refreshment Break | Visit Exhibits**

## **Structural / Interventional Heart Disease**

**Moderators:** Brian Shapiro M.D. and Pat Mergo M.D.

- 10:15 a.m. **Multimodality Imaging of Prosthetic Heart Valves**  
Chadi Ayoub, M.B.B.S., Ph.D.
- 10:35 a.m. **Multimodality Imaging in the Evaluation and Management of Stroke**  
Kevin G. Tayon, M.D.
- 10:55 a.m. **Echo and CT Evaluation of the Left Atrial Appendage for Left Atrial Appendage Ligation**  
Peter M. Pollak, M.D.
- 11:15 a.m. **Questions and Answers**  
Drs. Ayoub, Tayon, and P. Pollak
- 11:30 a.m. **Incidental Noncardiac Findings—What Do I Do With This?**  
Justin Stowell, M.D.
- 11:50 a.m. **Multimodality Evaluation of Endocarditis**  
Prajwal Reddy, M.D.
- 12:10 a.m. **Interventional Endocarditis Management**  
Abdallah El Sabbagh, M.D.
- 12:30 a.m. **Questions and Answers**  
Drs. Stowell, Reddy, and El Sabbagh
- 12:45 p.m. **Adjourn**

## Hands On Echo Workshop

Hands-On Echo Scanning Session – Sign-Up Required | Limited Registration (35)

- 2:00 p.m.     **Lung Ultrasound**  
Kathryn Larson, M.D.  
  
Hands-On Echo Scanning with Advanced Cardiac Sonographer
- 3:00 p.m.     **LV Myocardial Strain**  
Andrew Tseng, M.D.  
  
Hands-On Echo Scanning with Advanced Cardiac Sonographer
- 4:00 p.m.     **3D Echo– LV Volume, LA Volume**  
Carolyn Landolfo, M.D.  
  
Hands-On Echo Scanning with Advanced Cardiac Sonographer
- 5:00 p.m.     **Adjourn**

## Tuesday, October 1, 2024

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- 6:30 a.m.     **Continental Breakfast**
- 7:00 a.m.     **Oral Abstract Presentations**

### Cardiomyopathies

**Moderators:** Carolyn Landolfo, M.D. and Patricia Mergo, M.D.

- 7:30 a.m.     **Multimodality Imaging of the Pericardium**  
S. Allen Luis, M.B.B.S., Ph.D.
- 7:50 a.m.     **Echo Evaluation of Cardiomyopathy Including Strain**  
Awais A. Malik, M.D.
- 8:10 a.m.     **Multimodality Evaluation of Hypertrophic Cardiomyopathy**  
Mays T. Ali, M.D.
- 8:30 a.m.     **Questions and Answers**  
Drs. Luis, Malik, and Ali
- 8:45 a.m.     **Cardiac MRI of Cardiomyopathies Including Myocarditis**  
Patricia J. Mergo, M.D.
- 9:05 a.m.     **Multimodality Imaging of Sarcoidosis**  
Prajwal Reddy, M.D.

- 9:25 a.m. **Multimodality Imaging in the Evaluation of Cardiac Amyloidosis**  
Awais A. Malik, M.D.
- 9:45 a.m. **Questions and Answers**  
Drs. Mergo, Reddy, and Malik
- 10:00 a.m. **Refreshment Break | Visit Exhibits**

## Special Topics

**Moderators:** Brian Shapiro, M.D. and Pragnesh Parikh, M.D.

- 10:15 a.m. **Cardiac Imaging in Sports Cardiology**  
Kathryn F. Larson, M.D.
- 10:35 a.m. **Multimodality Imaging in Cardio-Obstetrics**  
Sina O'Sullivan, M.B., B.Ch.
- 10:55 a.m. **Lung Ultrasound in Stress Testing and Heart Failure**  
Kathryn F. Larson, M.D.
- 11:15 a.m. **Questions and Answers**  
Drs. Larson and O'Sullivan
- 11:30 a.m. **Mitral Annular Dysjunction, Scar, and Arrhythmias**  
Andrew S. Tseng, M.D.
- 11:50 a.m. **Echo Evaluation of the Right Ventricle, Volume Status, and Pulmonary Pressures**  
Mays T. Ali, M.D.
- 12:10 a.m. **Echo Evaluation of Tricuspid Regurgitation**  
Prajwal Reddy, M.D.
- 12:30 p.m. **Questions and Answers**  
Drs. Tseng, Ali, and Reddy
- 12:45 p.m. **Adjourn**

## Cardiac Anatomy Workshop Session

*Pre-Registration Required by September 1, 2024*  
(Limit 50 people)

Additional Fee: \$50

To master cardiovascular imaging, one must possess a very strong foundation in cardiac anatomy. Reinforcing anatomy is critically important to grasp anatomic relationships, structural and coronary artery disease, and cross-sectional imaging. Register for a 2-hour cardiac dissection to highlight key aspects of anatomy to complement course didactics. By completion, you will have a stronger foundation in coronary anatomy, cardiac valves, and other key structures.

- 2:00 p.m. **Cardiac Anatomy Dissection**  
Brian P. Shapiro, M.D., M.A.
- 4:00 p.m. **Adjourn**

# Wednesday, October 2, 2024

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6:30 a.m. **Continental Breakfast**

7:00 a.m. **Oral Abstract Presentations**

## Special Topics

**Moderators:** Brian P. Shapiro, M.D., M.A. and Carolyn Landolfo, M.D.

7:30 a.m. **Echo Evaluation of Diastolic Function**  
Michael Gharacholou, M.D., M.S.

7:50 a.m. **Late Gadolinium Enhancement as a Noninvasive Biopsy: How to perform and Interpret the Results**  
Kiaran P. McGee, Ph.D.

8:10 a.m. **Optimizing Cardiac CTA and MRI for Cardiac Arrhythmias and Body Habitus**  
Whitney Edmister, M.D.

8:30 a.m. **Questions and Answers**  
Drs. Gharacholou, McGee, and Edmister

8:45 a.m. **Cardiac MRI Safety**  
Andrew W. Bowman, M.D., Ph.D.

9:05 a.m. **Artifacts and Devices in Cardiovascular MRI: How to Identify and (Sometimes) Correct Them**  
Kiaran P. McGee, Ph.D.

9:25 a.m. **CT and MR Contrast Agents in Chronic Kidney Disease**  
Andrew W. Bowman, M.D., Ph.D.

9:45 a.m. **Questions and Answers**  
Drs. Bowman and McGee

10:00 a.m. **Refreshment Break | Visit Exhibits**

## New Technologies

**Moderators:** Pragnesh Parikh, M.D. and Pat Mergo, M.D.

10:15 a.m. **Medical Applications of 3D Printing Using Imaging Data**  
Elizabeth M. Johnson, M.D.

10:35 a.m. **Artificial Intelligence in Cardiac CT**  
Eric Williamson, M.D.

10:55 a.m. **Hemodynamic Assessment by Cardiac MRI including 4D Flow**  
Elizabeth M. Johnson, M.D.

11:15 a.m. **Questions and Answers**  
Drs. Johnson and Williamson

11:45 a.m. **Course Adjourns**