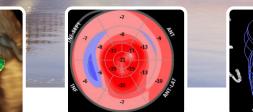
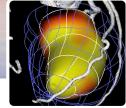
Jeffrey M. Carlton Heart & Vascular Institute Presents:

# 38<sup>th</sup> ADVANCED ECHO CONFERENCE

# October 25 – 26, 2024

The Waterfront Beach Resort, A Hilton Hotel 21100 Pacific Coast Highway Huntington Beach, California 92648





# PROGRAM DIRECTOR David Liang, M.D., F.A.C.C.

Medical Director, Nancy & Bill Thompson Heart Valve Center Director, Noninvasive Cardiac Imaging Jeffrey M. Carlton Heart & Vascular Institute

# PROGRAM CO-DIRECTOR Marc Gorman, R.D.C.S.

Supervisor, Echocardiography Laboratory Jeffrey M. Carlton Heart & Vascular Institute

Supported by philanthropy through the Hoag Hospital Foundation





The 38<sup>th</sup> Advanced Echo Conference is offered in cooperation with the American Society of Echocardiography.



## **INVITED FACULTY**

#### Jin Kyung Kim, M.D., F.A.C.C., F.A.S.E.

Professor of Medicine Medical Director, Cardiac Diagnostic Center University of California, Irvine

Wyman W. Lai, M.D., M.P.H., M.B.A. Medical Director, CHOC Echocardiography Clinical Professor, UCI Department of Pediatrics

Rekha Mankad, M.D., F.A.C.C., F.A.S.E.

Assistant Professor of Medicine Mayo Clinic College of Medicine Director, Women's Heart Clinic Director, Cardio-Rheumatology Clinic Program Director, Advanced Echocardiography Fellowship Mayo Clinic, Rochester, MN

#### Sunil Mankad, M.D., F.A.C.C., F.C.C.P., F.A.S.E.

Professor of Medicine Mayo Clinic College of Medicine Director, Transesophageal Echocardiography Vice Chair Education and Quality, Division of Cardiovascular Ultrasound Mayo Clinic, Rochester, MN

#### David Ouyang, M.D., F.A.C.C.

Assistant Professor of Medicine Cedar-Sinai Medical Center

Muhamed Saric, M.D., Ph.D., F.A.C.C., F.A.S.E. Director, Noninvasive Cardiology Professor of Medicine New York University Langone Health

#### Robert J. Siegel, M.D., F.A.C.C.

Kennamer Chair in Cardiac Ultrasound Director of Echocardiography, HCM and Aortopathy Clinics Professor of Medicine Cedars-Sinai Medical Center Distinguished Professor of Medicine UCLA

#### Mirela Tuzovic, M.D., F.A.C.C.

Director, Stanford Center for Marfan Syndrome and Related Conditions Clinical Assistant Professor, Division of Cardiovascular Medicine, Stanford University, Stanford CA

### JEFFREY M. CARLTON HEART & VASCULAR FACULTY

Marc Gorman, R.D.C.S Supervisor, Echocardiography Laboratory

David Liang, M.D., Ph.D., F.A.C.C. Medical Director, Nancy & Bill Thompson Heart Valve Center Director, Noninvasive Cardiac Imaging

Natesa G. Pandian, M.D., F.A.C.C. Physician Leader, Senior Cardiologist Professor of Medicine, Tufts University

Asad A. Shah, M.D., F.A.C.C., F.A.C.S. Co-Director, Cardiac Surgery

### ACKNOWLEDGEMENT

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## VENUE AND ACCOMMODATIONS

Program to be held at the Waterfront Beach Resort, A Hilton Hotel, located at 21100 Pacific Coast Highway, Huntington Beach, California. The hotel phone number is 714-845-8000. Room rates start at \$369-\$409 per night, plus applicable taxes/resort fees, per room, based upon availability. Reservations can be secured with a credit card. Reservations should be made prior to Thursday, October 3, 2024. Room block will no longer be available after this date.

## **REGISTRATION FEES**

- Member Physicians (ASE, ACC CA Chapter): \$640
- Nonmember Physicians: \$800
- Member Technologists / Sonographers / Allied Health Professionals / Fellows in Training / Students (ASE, ACC CA Chapter): \$440
- Nonmember Technologists / Sonographers / Allied Health Professionals / Fellows in Training / Students: \$560

# Register at Hoag.org/AdvEchoConf Questions: Hoagevents@hoag.org

## **CONFERENCE OVERVIEW**

This program will include succinct didactics and interactive, case-based learning of the latest in clinical echocardiography. The program will present a variety of clinical problems and discuss the role of 2D/3D echo, Doppler modalities, strain imaging, flow quantitation, and contrast echo in the diagnosis and therapeutic guidance in a variety of clinical scenarios. In-depth discussion of the strengths of various echo techniques and parameters will be coupled with tips to avoid pitfalls. The conference will discuss the spectrum of valve disease - both common and uncommon, surgical and percutaneous interventions and complicated valve issues. Application of echo in aortic diseases, ischemic and non-ischemic myocardial disorders, acute and chronic heart failure, arrhythmic diseases, pericardial disorders and neoplastic pathology will be discussed with illustrative patient examples.

## WHO SHOULD ATTEND

This program is intended for cardiologists, cardiac anesthesiologists, cardiac surgeons, intensivists, sonographers and nurses.

## OBJECTIVES

- Describe the mechanisms, patho-anatomy, and severity assessment of mitral and aortic valve diseases using quantitative and semiquantitative parameters.
- Explain the role of echocardiography in clinical decisionmaking related to valve pathology and new advances in the echocardiographic assessment of tricuspid valve disease, and right heart pathologies.
- Recognize emerging applications for echo using artificial intelligence and recognize how Transthoracic echocardiography and Transesophageal echocardiography are used to help identify and manage endocarditis and prosthetic valve pathologies.
- Explain the role of echocardiography and its implications on diagnosis, surgical decision-making, and structural heart interventions and discuss the elements of transesophageal echocardiography in the perioperative and structural heart procedural settings.
- Describe the role of echo in the evaluation and treatment of aortic dissection and aortic disorders.
- Describe the applications of echocardiography advances and how it applies to the future of imaging of children and adults.
- Integrate echo evaluation in the diagnosis and treatment of pulmonary hypertension and right ventricular pathology.
- Recognize the role of echo Doppler in diagnosis of pericardial disease, diastolic dysfunction, and atrial cardiomyopathies and the implications for clinical management of patients.
- Evaluate the role of stress echo in CAD diagnosis and management.
- Examine emerging and innovative echo imaging for the management of cardio-oncology patients.

# CME ACCREDITATION

#### Accreditation

Hoag Memorial Hospital Presbyterian is accredited by the California Medical Association (CMA) to provide continuing medical education for physicians.

#### **Credit Designation**



Hoag Memorial Hospital Presbyterian designates this educational activity for the maximum of 16.50 hours AMA PRA Category 1 Credits<sup>™</sup>. Physicians should claim credit commensurate with the

extent of their participation in the activity. This credit can apply to the CMA Certification of Continuing Medical Education.

# DAY 1 – FRIDAY, OCTOBER 25

7:30 a.m.	Registration, Exhibits and Breakfast	SESSION 4	Moderator: Dr. David Liang
8:00 a.m.	Welcome, Introductions and Program Format	3:30 p.m.	Wet lab Demonstration of Valvular and Chamber Anatomy – Implications on Diagnosis/Surgery/Interventions
SESSION 1	Moderator: Dr. David Liang		TBD
8:30 a.m.	Mitral Regurgitation and Mitral Stenosis Dr. Robert Siegel	4:15 p.m.	<b>Bicuspid Aortic Valve, Aortic Dissection</b> <b>and Other Aortic Disorders</b> Dr. David Liang
9:10 a.m.	Aortic Stenosis Dr. Sunil Mankad	4:45 p.m.	Questions and Answers, Discussion
9:45 a.m.	Aortic Regurgitation Dr. David Liang	5:00 p.m.	Doppler Hemodynamics Interactive Workshop Dr. Natesa Pandian and Dr. Muhamed Saric
10:15 a.m.	Morning Break and Exhibits	5:50 p.m.	Sonographer Questions and Answers Mr. Marc Gorman and Dr. Jin Kim
SESSION 2	Moderator: Dr. Rekha Mankad	6:30 p.m.	Adjourn
10:45 a.m.	Tricuspid Regurgitation and Stenosis Dr. Muhamed Saric	6.50 p.m.	Aujoum
11:15 a.m.	<b>Wide spectrum Of Varied Pathology</b> <b>Causing Valve Disorders</b> Dr. Rekha Mankad		
11:45 p.m.	Questions and Answers		
12:00 p.m.	Lunch and Exhibits		
SESSION 3	Moderator: Dr. Mirela Tuzovic		
1:00 p.m.	Artificial Intelligence (AI) Applications in Echocardiography Dr. David Ouyang		
1:30 p.m.	Hypertrophic Cardiomyopathy – The Spectrum and Guide to Treatment Dr. Robert Siegel		
2:00 p.m.	Endocarditis, always a Challenge Dr. Jin Kim		
2:30 p.m.	Prosthetic Valve Function and Dysfunction (Normal and Abnormal Values and Pathology) Dr. Sunil Mankad		
3:00 p.m.	Afternoon Break and Exhibits		

# DAY 2 – SATURDAY, OCTOBER 26

7:00 a.m.	Registration, Exhibits and Breakfast
SESSION 5	Moderators: Marc Gorman and Dr. David Liang
7:30 a.m.	<b>Adult Congenital Heart Disease – A Tour</b> Dr. Wyman Lai
8:20 a.m.	Robotic Cardiac Surgery – What Imaging Information is Critical Dr. Asad Shah
9:10 a.m.	Cardiac Masses – How to Sort Them Out? Dr. Sunil Mankad
9:40 a.m.	<b>Pulmonary Hypertension and</b> <b>RV Function</b> Dr. David Liang
10:00 a.m.	Morning Break and Exhibits
SESSION 6	Moderator: Dr. Robert Siegel
SESSION 6 10:30 a.m.	C C
	Moderator: Dr. Robert Siegel Pericardial Disorders
10:30 a.m.	Moderator: Dr. Robert Siegel Pericardial Disorders Dr. Robert Siegel Stress Echo for CAD – All Aspects
10:30 a.m. 11:00 a.m.	Moderator: Dr. Robert Siegel Pericardial Disorders Dr. Robert Siegel Stress Echo for CAD – All Aspects Dr. Muhamed Saric Atrial Cardiomyopathy and Consequences

SESSION 7	Moderator: Dr. Sunil Mankad
1:20 p.m.	Heart Failure with Decreased EF – How to Sort Out Causes? Dr. Muhamed Saric
1:50 p.m.	Heart Failure with Preserved EF – What Do We Look for in Echo? Dr. Rekha Mankad
2:20 p.m.	Increased LV Wall Thickness and Heart Failure – How to Use Echo to Assess the Cause? Dr. Sunil Mankad
2:50 p.m.	Athletes Heart – Important Distinction from True Pathology Dr. Robert Siegel
3:10 p.m.	Cardio-Oncology - Impact on Cardiac Function on Cancer Therapy. How to Use Echo to Recognize Them? Dr. Mirela Tuzovic
3:40 p.m.	Afternoon Break and Exhibits
SESSION 8	Moderators: Dr. David Liang and Mr. Marc Gorman
4:10 p.m.	Cases of Patients with Chest Pain, Cases of Patients with Shortness of Breath, Cases of Patients with Palpitations, Patients with Syncope, Patients with Emboli, Patients with Shock, Patients with Unexplained Symptoms All Faculty
6:00 p.m.	Program Adjourns