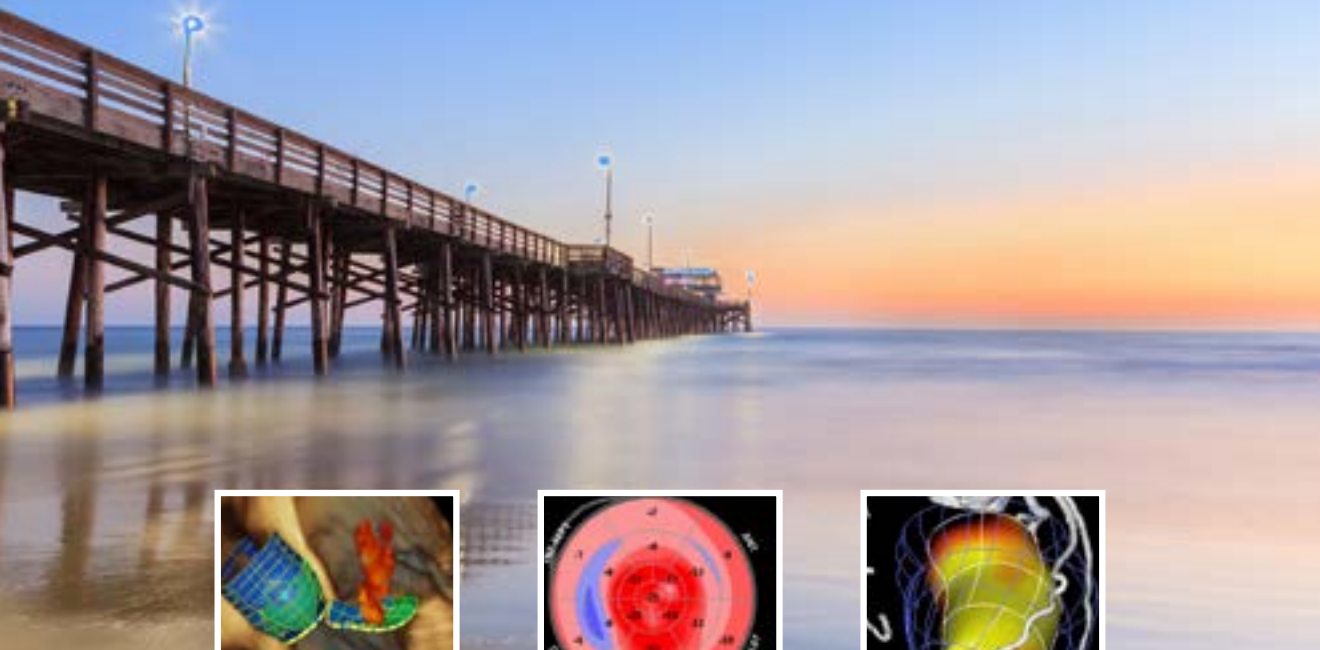


Jeffrey M. Carlton Heart & Vascular Institute Presents:

37th ADVANCED ECHO CONFERENCE

September 8 – 10, 2022

The Waterfront Beach Resort, A Hilton Hotel
21100 Pacific Coast Hwy
Huntington Beach, California 92646



PROGRAM DIRECTOR

Natesa G. Pandian, M.D., F.A.C.C.

Medical Director, Nancy & Bill Thompson
Heart Valve Center
Director, Noninvasive Cardiac Imaging
Jeffrey M. Carlton Heart & Vascular Institute
Professor of Medicine, Tufts University

PROGRAM CO-DIRECTOR

Marc Gorman, R.D.C.S.

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



Jeffrey M. Carlton
Heart & Vascular Institute



The 37th Advanced Echo Conference is offered in cooperation
with the American Society of Echocardiography.

OVERVIEW

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

- Explain current updates on the new developments in echo technology.
- Describe how to perform, interpret and apply 3D echo and strain imaging.
- Interpret complex Doppler hemodynamics.
- Explain the utility of 2D/3D echo in guiding valve surgery and structural heart interventions.
- Demonstrate a simplified approach to assess diastolic function.
- Explain the value of various echo modalities in the assessment of acute and chronic heart failure patients.
- Distinguish various dilated and infiltrative cardiomyopathies.
- Explain the potential of Artificial Intelligence as it applies to echocardiography.
- Discuss the spectrum of hypertrophic cardiomyopathy (HCM) and management implications of echo findings.
- Explain the utility of echo imaging in aortic, pericardial and neoplastic disorders.
- Explain the use of vascular ultrasound as relevant to cardiology procedures.

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 24.00 hours *AMA PRA Category 1 Credits™*. 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.

PROGRAM AGENDA: SEPTEMBER 8 – 10, 2022

DAY 1 – THURSDAY, SEPTEMBER 8

8:15 a.m. Registration, Exhibits and Breakfast

8:45 a.m. Welcome, Introductions and Program Format

SESSION 1 Moderator: Dr. Natesa Pandian

9:00 a.m. Good Morning Cases: Instant Diagnosis from Single Clips
Dr. Natesa Pandian

9:20 a.m. Transthoracic 3D Echo – What Can We Extract Besides Chamber Size and Function?
Dr. Lissa Sugeng

9:45 a.m. Speckle Derived Strain – Technique, Avoiding Pitfalls, Applications
Dr. Theodore Abraham

10:10 a.m. Artificial Intelligence in Echocardiography
Dr. Muhamed Saric

10:30 a.m. Morning Break and Exhibits

SESSION 2 Moderator: Dr. Robert Siegel

11:00 a.m. Evolving Indications for TAVR – Critical Role of Echo: Parameters and Anatomy
Dr. Ramdas Pai

11:30 a.m. 2D, Doppler and 3D Evaluation of Mitral Regurgitation: How to Integrate Diverse Parameters
Dr. Robert Siegel

12:00 p.m. Transcatheter Edge-to-Edge Mitral Valve Repair
Dr. Cheng-Han Chen

12:20 p.m. Questions and Answers

12:30 p.m. Lunch and Exhibits

SESSION 3 Moderator: Dr. Muhamed Saric

1:30 p.m. Newer Transcatheter Approaches to Mitral Valve Disease – What is Needed from Echo?
Dr. Muhamed Saric

2:00 p.m. How to Assess Left and Right Atrial Function and Hemodynamics
Dr. Theodore Abraham

2:30 p.m. Atrial Fibrillation, Atrial Cardiomyopathy and Aortic Valve Regurgitation – An Update
Dr. Natesa Pandian

3:00 p.m. Tricuspid Valve Finally Getting Recognized: How to Evaluate TV Anatomy and Regurgitation, and Guide Transcatheter/Surgical Treatment
Dr. Lissa Sugeng and Dr. Muhamed Saric

3:30 p.m. Afternoon Break and Exhibits

SESSION 4 Moderator: Dr. Theodore Abraham

4:00 p.m. Valve Disorders of Varied Etiology – Cases
Dr. Lissa Sugeng and Dr. Ramdas Pai

4:30 p.m. Endocarditis – Decision Making, Not Always Easy. Echo Helps.
Dr. Theodore Abraham and Dr. Jin Kim

5:00 p.m. Prosthetic Valve Disorders – How to Sort Out the Problem
Dr. Madhavi Kadiyala and Dr. Ramdas Pai

5:30 p.m. Echo Guidance for Transcatheter Therapy for Nonvalvular Disorders – Cases
Dr. Robert Siegel

6:00 p.m. Questions and Answers – Free Discussion

6:30 p.m. Adjourn

DAY 2 – FRIDAY, SEPTEMBER 9

7:30 a.m. Registration, Exhibits and Breakfast

SESSION 5 Moderator: Dr. Natesa Pandian

8:00 a.m. Baffling Cases from Our WhatsApp Group

Dr. Natesa Pandian

8:30 a.m. Covid Heart – Cases with Learning Points

Dr. Madhavi Kadiyala and Dr. Muhamed Saric

9:00 a.m. Cardio-Oncology Cases with Learning Points (XRT, Chemotherapy, Checkpoint Inhibitors)

9:30 a.m. Evaluation of the Right Ventricle with Cases

Dr. David Liang

10:00 a.m. Pulmonary Embolism – Echo for Diagnosis and Guidance for Therapy

Dr. David Liang

10:20 a.m. Morning Break and Exhibits

SESSION 6 Moderator: Dr. David Liang

11:00 a.m. Hypertrophic Cardiomyopathy, the Spectrum

Dr. Natesa Pandian

11:30 a.m. Echo Guidance for Evolving Medical Therapy in Hypertrophic Cardiomyopathy Including Myosin Inhibitors

Dr. Theodore Abraham

12:00 p.m. Echo Guidance for Myectomy and Transcatheter Septal Reduction Therapies

Dr. Robert Siegel

12:30 p.m. Lunch and Exhibits

SESSION 7 Moderator: Dr. Ramdas Pai

1:30 p.m. Left Ventricle Diastolic Function – Which Parameters Work and Which Don't?

Dr. Theodore Abraham

2:00 p.m. Cardiomyopathies with Increased Wall Thickness and Normal Ejection Fraction – Echo/Cardiovascular Magnetic Resonance to Help

Dr. Madhavi Kadiyala and Dr. Lissa Sugeng

2:40 p.m. Nonischemic Cardiomyopathies with Normal Wall Thickness and Decreased Ejection Fraction Cases

Dr. Ramdas Pai

3:10 p.m. Interesting Problems Clarified by Contrast Echo

Dr. Jin Kim and Dr. Natesa Pandian

3:40 p.m. Afternoon Break and Exhibits

SESSION 8 Moderator: Mr. Marc Gorman

4:10 p.m. Stress Echo for Coronary Artery Disease – How to Do it Right, How to Interpret it Right

Mr. Marc Gorman

4:40 p.m. Sonographer Session – Questions and Answers

Dr. David Liang, Dr. Theodore Abraham, Dr. Natesa Pandian and Mr. Marc Gorman

5:30 p.m. Adjourn

DAY 3 – SATURDAY, SEPTEMBER 10

7:30 a.m. Registration, Exhibits and Breakfast

SESSION 9 Moderator: Dr. David Liang

8:00 a.m. Aortic Disorders – A Systematic Approach with Echo and CT

Dr. David Liang

8:30 a.m. Aortic Repair/Replacement Procedures – What Info Does a Surgeon Need?

Dr. Anthony Caffarelli

9:00 a.m. Robotic Cardiac Surgery – What Info Does a Surgeon Need?

Dr. Asad Shah

9:30 a.m. Pre-Operative, Intra-Operative and Peri-Operative Echo Cases

Dr. Natesa Pandian, Dr. David Liang and Dr. Joseph Riggio

10:00 a.m. Morning Break and Exhibits

SESSION 10 Moderator: Dr. Natesa Pandian

10:30 a.m. Pericardial Disorders – Value of Multimodality Imaging

Dr. Robert Siegel

11:10 a.m. Adult Congenital Heart Disease – Cases

All Faculty

11:40 a.m. Masses, Masses and Masses

All Faculty

12:20 p.m. A Potpourri of Teaching Case Studies

All Faculty

1:00 p.m. Adjourn

INVITED PRESENTERS

Theodore P. Abraham, M.D., F.A.C.C., F.A.S.E.

Meyer Friedman Distinguished Professor of Medicine
Clinical Chief of Cardiology, University of California,
San Francisco
Vice President, American Society of Echocardiography

Madhavi Kadiyala, M.D., F.A.C.C., F.A.S.E., F.S.C.C.T., F.S.C.M.R.

Assistant Professor
Director, Heart & Vascular Institute Women's Heart
Program
Program Director, Advanced Cardiac Imaging Fellowship
Department of Medicine, West Virginia University

Jin K. Kim, M.D., F.A.C.C.

Associate Professor of Medicine
Medical Director, Cardiovascular Diagnostic Center
University of California, Irvine

Ramdas G. Pai, M.D., F.A.C.C., F.R.C.P.

Professor of Medicine
Chair of Internal Medicine and Clinical Science
Founding Director, Cardiovascular Fellowship Program
University of California, Riverside School of Medicine

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.

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

Lissa Sugeng, M.D., M.P.H., F.A.C.C., F.A.S.E.

Associate Professor of Cardiology
Zucker School of Medicine at Hofstra/Northwell
System Director of Cardiovascular Imaging
Department of Cardiology, Manhasset, New York

JEFFREY M. CARLTON HEART & VASCULAR PRESENTERS

Anthony D. Caffarelli, M.D., F.A.C.C., F.A.C.S.

Newkirk Family Endowed Chair in Aortic Care
Director, Elaine & Robert Matranga Aortic Center
Director, Cardiac Surgery

Cheng-Han Chen, M.D., Ph.D., F.A.C.C., F.S.C.A.I.

Staff Structural/Interventional Cardiologist

David Liang, M.D., Ph.D., F.A.C.C.

Director, Marfan Syndrome and Related Conditions
Program

Joseph Riggio, M.D.

Cardiovascular Staff Anesthesiologist

Asad A. Shah, M.D., F.A.C.C., F.A.C.S.

Co-Director, Cardiac Surgery

ACKNOWLEDGEMENT

The 37th Advanced Echo Conference is offered
in cooperation with the American Society of
Echocardiography.

VENUE AND ACCOMMODATIONS

Program to be held at the Waterfront Beach Resort, A
Hilton Hotel, located at 21100 Pacific Coast Highway,
Huntington Beach, California. Hotel accommodations
can be reserved online [HERE](#). The hotel phone number
is 714-845-8000. Ask for the "Hoag Advanced Echo"
room rate. Room rates start at \$299 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 Wednesday,
August 17, 2022**. 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 www.hoag.org/HoagAdvancedEcho