

GENERAL INFORMATION AND OVERVIEW

ACCREDITATION

Credit Designation

Hoag Memorial Hospital Presbyterian designates this live educational activity for a maximum of 20.50 *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.

Accreditation

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



ACKNOWLEDGEMENT

The 36th Advanced Echo Conference is offered in cooperation with the American Society of Echocardiography.

VENUE AND ACCOMMODATIONS

Location

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.

Overnight Room Accommodations

Room rates at the Waterfront Beach Resort start at \$289 per night, plus applicable taxes, per room, based upon availability. Reservations can be secured with a credit card at: www.hoag.org/echo-rooms

Reservations should be made prior to **Monday, October 7**. Room block will no longer be available after this date.

CONFERENCE CANCELLATIONS

Written cancellation will be accepted until October 25, 2019. No refunds will be given for no-shows.

In the unlikely event the program is cancelled, a full refund of the registration fee will be given, however program hosts are not responsible for any travel or hotel costs you may incur.

CONFERENCE OVERVIEW

Welcome to the 36th Advanced Echo Conference, held in beautiful Huntington Beach, California. Join your colleagues for 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. Highlights include a wet lab workshop to demonstrate valvular anatomy and related structures, the application of echo in choosing and guiding catheter-based procedures, a Doppler workshop, a tour of case studies to teach nuances, an echo contest and a vascular ultrasound workshop.

OBJECTIVES

- On completion of this conference, participants will be able to
- 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 3D/2D echo in guiding valve surgery and transcatheter 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 utility of echo imaging in aortic, pericardial and neoplastic disorders
 - Learn of the use of vascular ultrasound as relevant to cardiological procedures

WHO SHOULD ATTEND

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

FACULTY

PROGRAM DIRECTORS

Natesa G. Pandian, MD, FACC

Medical Director, Nancy & Bill Thompson
Heart Valve Center

Director, Noninvasive Cardiac Imaging
Jeffrey M. Carlton Heart & Vascular Institute
Professor of Medicine, Tufts University

Pravin M. Shah, MD, MACC

Staff Cardiologist
Hoag Memorial Hospital Presbyterian

INVITED FACULTY

Gerard P. Aurigemma, MD, FACC, FAHA, FASE

Director, Noninvasive Cardiology
University of Massachusetts Medical Center
Professor of Medicine and Radiology
University of Massachusetts

Jin Kyung Kim, MD, FACC

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

G. Burkhard Mackensen, MD, PhD, FASE

Professor and Chief, Cardiothoracic Anesthesia
University of Washington Medical Center

Rekha Mankad, MD, FACC

Director, Women's Heart Clinic
Mayo Clinic

Sunil Mankad, MD, FACC, FCCP, FASE

Associate Professor of Medicine
Director, Transesophageal Echocardiography
Associate Director, Cardiology Fellowship
Mayo Clinic

Ramdas G. Pai, MD, FACC, FASE

Professor and Chair, Department of Medicine
UC Riverside School of Medicine
Director, Fellowship Program & Noninvasive
Cardiac Laboratory
St. Bernardine Medical Center

David Rubenson, MD, FACC, FASE

Founding Director, Scripps Cardiac
Non-Invasive Laboratory
Scripps Clinic

Muhammed Saric, MD, PhD

Professor of Medicine
Director of Noninvasive Cardiology
Director, Echocardiography Lab
New York University Langone Health

Robert J. Siegel, MD, FACC

Professor of Medicine, Cedars-Sinai and UCLA
Director, Cardiac Noninvasive Laboratory
Cedars-Sinai Medical Center

Lissa Sugeng, MD, FACC

Director, Yale Echo Laboratory and Echo Core Laboratory
Associate Professor of Medicine
Yale University Medical Center

JEFFREY M. CARLTON HEART & VASCULAR INSTITUTE FACULTY

Anthony D. Caffarelli, MD, FACC

Director, Cardiovascular Surgery
Newkirk Family Endowed Chair in Aortic Care

Jorge M. Castellanos, MD, FACC

Interventional Cardiology

David Chavez, MD

Cardiac Anesthesiologist

Bahram Eslami, MD, FACP, FACC

Interventional Cardiologist

Dipti Itchhaporia, MD, FACC

Director of Disease Management
Eric & Sheila Samson Endowed Chair
in Cardiovascular Health

David Liang, MD, PhD, FACC

Cardiologist

Ehab Mady, DO, FSVM

Medical Director, Vascular Services

Subbarao Myla, MD, FACC

Interventional Cardiologist
Program Director, Hoag Catheterization Labs

Carey L. O'Bryan, IV, MD, FACC

Cardiologist

Aidan A. Raney, MD, FACC

Cardiothoracic Surgeon
James and Pamela Muzzy Endowed Chair
in Cardiovascular Surgery

Joseph M. Riggio, MD

Cardiovascular Anesthesiologist

Asad A. Shah, MD, FACC, FACS

Cardiothoracic Surgeon

Marc Gorman, RDCS

Supervisor, Echocardiography Laboratory

PROGRAM AGENDA: DAY 1 – SATURDAY, NOVEMBER 2, 2019

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

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

SESSION 1

Moderator: Dr. Natesa Pandian

9 a.m. **3D Echo Made Easy – A Step by Step Approach**

Dr. Sunil Mankad

9:30 a.m. **3D Echo Assessment of Valvular Pathology**

Dr. Burkhard Mackensen

10 a.m. **Speckle Derived Strain – Technique and Issues**

Dr. Muhamed Saric

10:20 a.m. **Break and Exhibits**

SESSION 2

Moderator: Dr. Pravin Shah

10:50 a.m. **Echo Assessment of Aortic Stenosis – Complex Issues in Different Categories**

Dr. Pravin Shah

11:10 a.m. **TAVR Today – Role of Echo from the First Visit, Intra-Procedure to Follow-Up**

Dr. Gerard Aurigemma

11:30 a.m. **Mitral and Tricuspid Stenosis – Echo Assessment of Pathoanatomy and Hemodynamics**

Dr. Natesa Pandian

12 p.m. **Questions and Discussion**

12:15 p.m. **Lunch and Exhibits**

SESSION 3

1:15 p.m. **WET LAB WORKSHOP – SEE WHAT IS INSIDE
Demonstration of Valvular Anatomy and Related Structures**

Dr. Aidan Raney

SESSION 4

Moderator: Dr. Muhamed Saric

2 p.m. **Mitral Regurgitation – Pathology, Mechanisms, Severity and Implications**

Dr. Lissa Sugeng

2:25 p.m. **Mitral Clip for Mitral Regurgitation – Echo Guidance**

Dr. Jorge Castellanos and Dr. David Chavez

2:50 p.m. **Other Novel Transcatheter Approaches to Mitral Regurgitation**

Dr. Muhamed Saric and Dr. Burkhard Mackensen

3:20 p.m. **Questions and Discussion**

4 p.m. **Break and Exhibits**

SESSION 5

Moderator: Dr. Robert Siegel

4:30 p.m. **Tricuspid Regurgitation – Echo Assessment of Mechanisms and Implications**

Dr. Sunil Mankad and Dr. Jin Kim

5 p.m. **Role of Echo in Catheter Interventions for Tricuspid Regurgitation**

Dr. Robert Siegel

5:20 p.m. **2D/3D Echo Guidance for Transcatheter Therapy for Nonvalvular Pathology**

Dr. David Rubensen and Dr. Burkhard Mackensen

SESSION 6

5:40 p.m. **Vascular Ultrasound for the Cardiologist and Sonographer: It's Relevance to Heart**

Dr. Ehab Mady and Dr. Subbarao Myla

6:30 p.m. **Adjourn**

PROGRAM AGENDA: DAY 2 – SUNDAY, NOVEMBER 3, 2019

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

SESSION 7

Moderator: Dr. Burkhard Mackensen

8 a.m. **Modern Approaches to Mitral Valve Repair – Cases and Corrections**

Dr. Anthony Caffarelli and Dr. Natesa Pandian

8:30 a.m. **Hypertrophic Cardiomyopathy – When to Intervene, How to Plan and Do Myectomy**

Dr. Aidan Raney and Dr. Pravin Shah

9 a.m. **Clinical Decision Making and Surgical Treatment for Bicuspid Valve Disease, Aortopathy of Marfans and Other Aortic Disorders**

Dr. David Liang and Dr. Anthony Caffarelli

SESSION 8

Moderator: Dr. Rekha Mankad

9:30 a.m. **Prosthetic Heart Valve Problems, Endocarditis Issues - Case Studies Illustrating the Implications of Echo Findings**

Dr. Rekha Mankad, Dr. Burkhard Mackensen and Dr. Robert Siegel

10:15 a.m. **Break and Exhibits**

10:45 a.m. **Interesting and Important Valve Cases of Uncommon Pathology**

Dr. Ramdas Pai and Dr. Sunil Mankad

SESSION 9

11:30 a.m. **DOPPLER WORKSHOP - I Ask, You Answer, or You Ask, I Answer**

Dr. Natesa Pandian and Dr. Ramdas Pai

12:15 p.m. **Lunch and Exhibits**

1:15 p.m. **SHERLOCK HOLMES & ECHOCARDIOGRAPHY
A Tour of Case Studies with Observations and Clues**

Dr. Pravin Shah

SESSION 10

Moderator: Dr. Dipti Itchhaporia

2:15 p.m. **Update on LV Diastolic Function – What Works and What Doesn't**

Dr. Gerard Aurigemma

2:35 p.m. **How to Assess RV and RA Function – What Works and What Doesn't?**

Dr. David Liang

3 p.m. **Heart Failure, Ischemic and Other Dilated Cardiomyopathies – Concepts and Cases**

Dr. Gerard Aurigemma and Dr. David Rubensen

3:40 p.m. **Break and Exhibits**

4:10 p.m. **Infiltrative and Inflammatory Cardiomyopathies – How to Sort Them Out?**

Dr. Sunil Mankad and Dr. Lissa Sugeng

SESSION 11

Moderator: Dr. Natesa Pandian

5 p.m. **Some Cases with Challenges and Solutions**

Dr. Carey O'Bryan, Dr. Bahram Eslami and Dr. Burkhard Mackensen

5:30 p.m. **ECHO CONTEST – 3 Teams Fight it Out**

Conductor: Dr. Sunil Mankad

6:30 p.m. **Adjourn**

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

SESSION 12

Moderator: Dr. Gerard Aurigemma

8 a.m. **Stress Echo in Current Times – Ischemic Disease, Cardiomyopathy and Valve Disease**

Dr. Rekha Mankad and Dr. Natesa Pandian

8:35 a.m. **Complications of Ischemic Heart Disease - Echo Evaluation to Guide Therapy**

Dr. Muhamed Saric and Dr. Ramdas Pai

Surgical Corrections

Dr. Asad Shah

9:15 a.m. **Echo/Doppler Assessment of Pulmonary Hypertension – How to Avoid Errors?**

Dr. Gerard Aurigemma

9:40 a.m. **Aortic Dissection, Aneurysm, Intramural Hematoma and Masses**

Dr. Robert Siegel and Dr. Burkhard Mackensen

10:10 a.m. **Break and Exhibits**

SESSION 13

Moderator: Dr. Ramdas Pai

10:40 a.m. **Pericardial Pathology – Tamponade, Constriction, Cysts, Masses**

Dr. Rakha Mankad and Dr. Natesa Pandian

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

Dr. Robert Siegel, Dr. Lissa Sugeng and Dr. Muhamed Saric

12 p.m. **Intra-Operative Echo – Questions and Guidance**

Dr. Burkhard Mackensen and Dr. Joseph Riggio

SESSION 14

Moderator: Dr. Jin Kim and Dr. Natesa Pandian

12:30 p.m. **Cardiac Masses – How to Identify the Pathology**

Dr. Lissa Sugeng and Dr. Muhamed Saric

1 p.m. **Contrast Echo – Can't Live Without It**

Dr. Jin Kim and Mr. Marc Gorman

1:30 p.m. **Adjourn**



36th ADVANCED ECHO CONFERENCE

November 2 – 4, 2019, The Waterfront Beach Resort, a Hilton Hotel

- Adult Cardiology, Pediatric Cardiology, CV Surgery, Interventional Cardiology
- Internal Medicine, Imaging, Radiology, Cardiac Anesthesiology, Other _____

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

ASE/ACC Membership Number: _____

Email hoagevents@hoag.org if you need assistance or have questions.

Room rates at the Waterfront Beach Resort start at \$289 per night, plus applicable taxes, per room, based upon availability. Reservations can be secured with a credit card at: Hoag.org/echo-rooms.

Registration fee includes conference tuition, breakfast, lunch and refreshments. Daily valet parking is \$13. (Overnight parking charges vary from these rates so please confirm overnight rates when booking your accommodations).

First Name Last Name

Clinical Title (i.e. MD, RN, etc.) License

Institution Unit or Specialty

Mailing Address

City State Zip

Phone Email

Payment Information

- Check (payable to Hoag Hospital). Please mail form and check to address listed above.
- Visa MasterCard American Express Discover

Credit Card Number Expiration Date

Name (As it appears on card)

Signature

Upon receipt of registration a confirmation will be sent via email. The electronic syllabus will be available to pre-registered attendees online prior to the symposium for downloading and printing. Attendees will receive an email when the syllabus materials are available online. A printed syllabus will not be available at this conference.