Jeffrey M. Carlton Heart & Vascular Institute Presents:

36th ADVANCED ECHO CONFERENCE

November 2 - 4, 2019

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

PROGRAM DIRECTORS

Natesa G. Pandian, MD, FACC
Pravin M. Shah, MD, MACC
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 transcutaneous 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.
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
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-Procedural 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
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
REGISTRATION FORM  
Online registration available at www.hoag.org/events

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☐ 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

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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.