

# ECHO HAWAII

# 25<sup>th</sup> ANNUAL



**January 19 – 23, 2015**

**Hapuna Beach Prince Hotel  
Kohala Coast, Big Island, HI**

### **Course Director**

Jonathan R. Lindner, MD, FASE

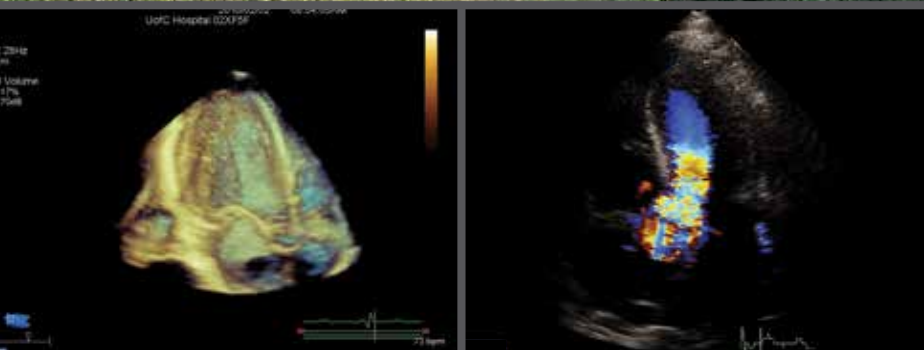
Oregon Health & Science University, Portland, OR

### **Co-Director**

Thomas J. Ryan, MD, FASE

Past-President, ASE

The Ohio State University, Columbus, OH



**Register now at [www.asecho.org/EchoHawaii](http://www.asecho.org/EchoHawaii)**



Jointly provided by the American Society of Echocardiography and the American Society of Echocardiography Education and Research Foundation, and held in cooperation with the Canadian Society of Echocardiography.

“Wonderful conference with outstanding faculty presenters. Overall, the talks were clinically applicable and will help me improve the way I practice echocardiography.”

*2014 Echo Hawaii Attendee*

## ECHO HAWAII QUICK FACT

98% of Echo Hawaii attendees would recommend this sell-out course to their colleagues.

# Program Information

## Overview of Echo Hawaii

Echo Hawaii presents the latest information on established and emerging cardiovascular ultrasound technologies. Expert U.S. and international faculty discuss state-of-the-art technologies with a particular focus on how they can be effectively applied in the clinical setting. Case-based approaches are used to discuss new and established uses of echocardiography for diagnosis and guiding management in patients with a broad array of cardiovascular conditions. Topics include: advanced assessment of systolic and diastolic function, 3D/4D imaging, adult congenital heart disease, and contemporary approaches to valve disease, guidance of interventional procedures, contrast echocardiography, ischemic heart disease and aortic pathology. Special sessions are available for sonographer education and laboratory quality improvement.

## Objectives

Upon completion of this program, participants will be better able to:

- Integrate echocardiographic information in clinical decision making.
- Assess ventricular and valvular function using Doppler hemodynamics.
- Describe Doppler assessment of diastolic function/dysfunction.
- Explain new advances in the echocardiographic assessment of left and right ventricular function.
- Integrate echocardiographic assessment of cardiomyopathies and systemic diseases in patient management.
- Define clinical uses of TEE and 3D echocardiography.
- Recognize how echocardiography is used to help manage patients with ischemic heart disease.
- Recognize the role of echo contrast and be able to incorporate its use in the echo laboratory.
- Integrate echo information in the management of complex valvular heart disease.

## Who Should Attend

This course is designed for adult cardiologists, cardiovascular surgeons, cardiovascular anesthesiologists, fellows in training, cardiovascular sonographers, internists, and intensive care specialists with special interest in clinical cardiology and echocardiography.

## Accreditation and Designation

This activity has been planned and implemented in accordance with the Essential Areas and policies of the Accreditation Council for Continuing Medical Education through the joint providership of the American Society of Echocardiography and the American Society of Echocardiography Education and Research Foundation. The American Society of Echocardiography is accredited by the ACCME to provide continuing medical education for physicians.



The American Society of Echocardiography designates this live activity for a maximum of 29.5 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.



ARDMS, CCI, and Sonography Canada recognize ASE's certificates and have agreed to honor the credit hours toward their registry requirements for sonographers. All or a portion of this educational activity may meet the CME requirement for IAC Echocardiography accreditation.

The American Society of Echocardiography is committed to ensuring that its educational mission and all sponsored educational programs are not influenced by the special interests of any corporation or individual, and its mandate is to retain only those speakers whose financial interests can be effectively resolved to maintain the goals and educational integrity of the program. While a monetary or professional affiliation with a corporation does not necessarily influence a speaker's presentation, the Essential Areas and policies of the ACCME require that any relationships that could possibly conflict with the educational value of the program be resolved prior to the educational session and disclosed to the audience.

## A New Learning Opportunity

The Maintenance of Certification (MOC) session will be an early bird session on Wednesday, January 21, 2015, and Thursday, January 22, 2015. This session requires separate registration. Upon completion registrants will be given access to an online module to complete to be awarded MOC credits. This session highlights several key topics through a study of clinical patient scenarios provided and analyzed by field experts. Guided by faculty moderators, topics covered will include: cardiomyopathies, aortic regurgitation, endocarditis, mitral stenosis, Doppler, congenital heart disease, closure devices/device placement, image optimization, CRT, stress echocardiography and more.

Registration for this session includes access to the ASE Online MOC Module.

## Accommodations and Lodging Information

In January 2013, the Hapuna Prince beach hotel was named one of Travel + Leisure's Global Top 50 Hotels and Resorts 2013. Situated on the sunny Kohala Coast, Hapuna Beach Prince Hotel has defined Big Island luxury since its opening in 1994. Perfectly nestled into the bluffs above the top-rated Hapuna Beach, the hotel presents a flowing, contemporary Hawaiian style where guests experience the true essence of rejuvenation. All of the Hapuna Prince Hotel's oceanfront rooms have recently undergone a complete refurbishment.

The Hapuna Beach Prince Hotel is located at 62-100 Kauna'oa Drive, Kamuela, Hawaii on the Kohala Coast on the Big Island of Hawaii. It is located approximately 30 minutes from the Keahole-Kona International Airport.

For your convenience, ASE has secured a block of rooms at a discounted rate for attendees at the Hapuna Beach Prince Hotel. **To make your reservation, please contact the hotel directly at 800-321-6248 Monday-Friday, 6:00 am – 8:00 pm Hawaii Standard Time (HST) and Saturday-Sunday, 7:00 am – 5:00 pm HST.** Please specify you are with the American Society of Echocardiography (ASE) Echo Hawaii to secure our group rates.

## Room Categories for the Hapuna Beach Prince Hotel

Terrace View: \$203.00

Partial Ocean View: \$223.00

Ocean View: \$243.00

Premium Ocean View: \$263.00

Ocean Front: \$323.00

Ocean Suite: \$529.00

The hotel room block is scheduled to be held until Wednesday, December 31, 2014, but may be sold out before this date. Therefore, we advise you to register for the program and reserve your lodging as soon as possible. Please be sure to ask about any additional hotel fees, early departure fees, or cancellation penalties. Check-in time is 3:00 pm.

## Cancellations

If you cancel your participation in Echo Hawaii 2015, your registration fee, less a \$100 administrative fee, will be refunded when written notification is received before Wednesday, December 31, 2014. No refunds will be made after Wednesday, December 31, 2014, or given for no-shows.

Registration for any ASE course is non-transferable to another participant or another course. In the event that an individual is unable to attend the conference due to inclement weather or chooses not to attend due to a health epidemic, ASE is unable to refund the conference fee. In the unlikely event the course is cancelled, ASE is responsible only for refund of the registration fee, minus the administrative fee, and not for transportation, hotel accommodations, or any miscellaneous expenses incurred by the participant.

## Poster Presentations

You are invited to submit your original basic or clinical research for poster presentations. On Wednesday evening, January 21, 2015, posters will be displayed on a terrace overlooking the ocean, and members of the faculty will moderate your work. This allows you an opportunity to briefly present the key findings of your work.

**Deadline for submission of an abstract is Sunday, November 16, 2014. Abstract presenters will receive a \$100 discount on their registration. Visit [www.asecho.org/EchoHawaii](http://www.asecho.org/EchoHawaii) for more details.**



# Invited Faculty



## Course Director

**Jonathan R. Lindner, MD, FASE**  
Oregon Health & Science University  
Portland, OR

## Course Co-Director

**Thomas J. Ryan, MD, FASE**  
Past-President, ASE  
The Ohio State University  
Columbus, OH

## Program Planning Faculty

**Kenneth D. Horton, RCS,  
RDCS, FASE**  
Intermountain Heart Institute  
Murray, UT

**James D. Thomas, MD, FASE**  
Past-President, ASE  
Northwestern Memorial Hospital  
Chicago, IL

## Program Faculty

**William F. Armstrong, MD**  
University of Michigan  
Ann Arbor, MI

**Craig S. Broberg, MD**  
Oregon Health & Science University  
Portland, OR

**Arsène J. Basmadjian, MD, MSc**  
Montreal Heart Institute  
Montreal, QC, Canada

**Anthony DeMaria, MD, FASE**  
University of California  
San Diego, CA

**Mario J. Garcia, MD**  
Montefiore Medical Center  
New York, NY

**Steven A. Goldstein, MD**  
MedStar Washington Hospital  
Washington, DC

**Jong-Won Ha, MD, PhD**  
Yonsei University College of Medicine  
Seoul, Republic of Korea

**Dae-Hee Kim**  
Asan Medical Center  
Seoul, Republic of Korea

**Allan L. Klein, MD, FASE**  
Cleveland Clinic  
Cleveland, OH

**Roberto M. Lang, MD, FASE**  
Past-President, ASE  
University of Chicago  
Chicago, IL

**Sharon L. Mulvagh, MD, FASE**  
Mayo Clinic  
Rochester, MN

**Jae K. Oh, MD, FASE**  
Mayo Clinic  
Rochester, MN

**Nobuyuki Ohte, MD**  
Nagoya City University Medical School  
Nagoya, Japan

**Maryellen H. Orsinelli, RN,  
RDCS, FASE**  
The Ohio State University  
Columbus, OH

**Margaret M. Park, BS, RVT,  
RDCS, FASE**  
Cleveland Clinic  
Cleveland, OH

**Philippe Pibarot, DVM, PhD, FASE**  
Quebec Heart & Lung Institute  
Quebec, PQ, Canada

**Harry Rakowski, MD, FASE**  
Past-President, ASE  
Toronto General Hospital  
Toronto, ON, Canada

**Chi Young Shim, MD, PhD**  
Yonsei University College of Medicine  
Seoul, Republic of Korea

**Katsu Takenaka, MD**  
University of Tokyo Hospital  
Tokyo, Japan

**Kazuaki Tanabe, MD, PhD**  
Shimane University  
Izumo, Japan

**Kevin Wei, MD, FASE**  
Oregon Health & Science University  
Portland, OR

**Susan E. Wieggers, MD, FASE**  
President-Elect, ASE  
Temple University School of Medicine  
Philadelphia, PA

**Anna Woo, MD**  
Toronto General Hospital  
Toronto, ON, Canada

**Lixue Yin, MD**  
Sichuan Academy of Medical Science  
Chengdu, Sichuan, China

**Yun Zhang, MD, PhD, FASE**  
Shandong University  
Jinan, Shandong, China



# Schedule of Events

## SUNDAY, JANUARY 18, 2015

4:00 pm Registration  
6:00 pm

## MONDAY, JANUARY 19, 2015

6:30 am Continental Breakfast and Visit Exhibits  
6:30 am Registration  
7:30 am Welcome and Introduction

### Assessment of Systolic Function

7:40 am Understanding Systolic Function: Essential Physiology for the Imager  
8:00 am What's New in 2D and 3D Imaging of Ventricular Function  
8:20 am Strain Imaging: Physical Principles and Practical Application  
8:40 am Assessment of Right Ventricular Size and Function  
9:00 am The Role of Contrast in Assessing Ventricular Size and Function  
9:20 am Panel Discussion  
9:40 am Refreshment Break and Visit Exhibits

### Diastolic Function and Beyond

10:00 am Understanding Diastole and Its Contribution to Heart Failure  
10:20 am Clinical Application of Echo in Assessing Diastole  
10:40 am Echo in Assessing Post-MI Complications and the Hypotensive Patient  
11:00 am Assessing Atrial Volumes and Atrial Function  
11:20 am Reading with the Experts: Complex Case Studies of LV Function and Hemodynamics  
11:50 am Panel Discussion  
12:10 pm Adjourn

5:00 pm 3D Acquisition and Views Workshop  
6:30 pm

6:30 pm Welcome Reception  
8:00 pm

## TUESDAY, JANUARY 20, 2015

6:30 am Continental Breakfast and Visit Exhibits

### Contrast Echocardiography

7:00 am Case Studies in Contrast: LVO  
8:00 am Echo Contrast Agents and How to Employ Them in Clinical Practice  
8:20 am Left Ventricular Opacification - Beyond Endocardial Definition  
8:40 am Myocardial Perfusion - Methods and Clinical Utility  
9:00 am Refreshment Break and Visit Exhibits

### Valvular Heart Disease

9:20 am Comprehensive Assessment of Aortic Stenosis  
9:40 am Advanced AS: Low Gradient Aortic Stenosis, Role of Stress  
10:00 am Echo Evaluation of Aortic Regurgitation  
10:20 am How to Manage Discrepant Data in Aortic Valve Disease  
10:40 am Mitral Regurgitation: The Spectrum of Pathology  
11:00 am New Valve Guidelines: How Will it Change Practice?  
11:20 am How to Recognize Uncommon Causes of Valve Disease  
11:40 am Pulmonary and Tricuspid Valve Disease: Are Right-Sided Valves Different?  
12:00 pm Panel  
12:20 pm Adjourn

5:00 pm Diastology and Strain Workshop  
6:00 pm

## WEDNESDAY, JANUARY 21, 2015

7:00 am Maintenance of Certification by Case-Based  
8:00 am Echocardiography Part 1 (*additional fee*)

### Clinical Application of New Technology Summit

8:00 am Case Studies in Interesting Cardiomyopathies  
9:00 am How 3D Echo Provides Unique Anatomic Information  
9:20 am Plaque Characterization With Novel Ultrasound Approaches  
9:40 am Strain Echocardiography in Ischemic Heart Disease  
10:00 am Refreshment Break and Visit Exhibits  
10:20 am Imaging of Ventricular Torsion and Twist  
10:40 am Incremental Value of 3D Echo for LV and LA Volumes  
11:00 am Ultrasound Assessment of Vascular Health and Vascular Disease  
11:20 am Novel Techniques for Assessing Intraventricular Flow  
11:40 am Panel Discussion  
12:00 pm Light Lunch and Exhibits



# Schedule of Events

## TEE and Interventional Symposium

1:00 pm	<b>Critical Echo Information in the OR</b>
1:20 pm	<b>Echo in Percutaneous Aortic Valve Intervention</b>
1:40 pm	<b>Echo in Percutaneous Mitral Valve Intervention</b>
2:00 pm	<b>Assessment of Prosthetic Valves</b>
2:20 pm	<b>ASDs and Closure Devices</b>
2:40 pm	<b>Acute and Chronic Aortic Diseases: Role of Echo, CT and MR Imaging</b>
3:00 pm	<b>Echo in Atrial Fibrillation</b>
3:20 pm	<b>Panel Discussion</b>
3:40 pm	<b>Refreshment Break and Visit Exhibits</b>
4:00 pm	<b>Read With the Experts: TEE Cases from the Experts</b>
5:00 pm - 6:00 pm	<b>Poster Session and Reception</b>

## THURSDAY, JANUARY 22, 2015

6:30 am	<b>Continental Breakfast and Visit Exhibits</b>
7:00 am - 8:00 am	<b>Maintenance of Certification by Case-Based Echocardiography Part 2</b> <i>(additional fee)</i>

## Heart Disease

8:00 am	<b>Ischemic Heart Disease: Pathophysiology and Flow-Function Relations</b>
8:20 am	<b>How to Get the Most Out of Stress Echo</b>
8:40 am	<b>Echo in Advanced Heart Failure and VADs</b>
9:00 am	<b>Niche Applications for Contrast: Cardiomyopathies, Masses and Microvascular Dysfunction</b>
9:20 am	<b>Refreshment Break and Visit Exhibits</b>

## Cardiomyopathies

9:40 am	<b>Assessment of Myocardial Viability: Role of Echo, Nuclear and MRI</b>
10:00 am	<b>The Athlete's Heart and Echocardiographic Screening for Competitive Athletes</b>
10:20 am	<b>Echo in Hypertrophic Cardiomyopathy: Genotype, Phenotype, and Guiding Therapy</b>
10:40 am	<b>Cardio-Oncology: The Intersection of Cancer and the Heart</b>
11:00 am	<b>Pulmonary Hypertension: What Role Does Echo Play?</b>
11:20 am	<b>Echo in Pregnancy and the Peripartum Period</b>
11:40 am	<b>Echo in Specific Cardiomyopathies: Amyloid, Sarcoid, Eosinophilic, etc.</b>
12:00 pm	<b>Panel Discussion</b>
12:20 pm	<b>Adjourn</b>
5:00 pm - 6:00 pm	<b>Practical Workshop: Optimizing Contrast on Your Echo System</b>



## FRIDAY, JANUARY 23, 2015

6:30 am	<b>Continental Breakfast and Visit Exhibits</b>
7:00 am	<b>Early Bird Cases: Case Studies in Valve Disease</b>

## ACHD and Miscellaneous Echo

8:00 am	<b>Unrepaired Cyanotic Congenital Heart Disease: What You Must Recognize</b>
8:20 am	<b>Cardiac Masses: Role of Echo, CT and MRI</b>
8:40 am	<b>Assessing the Patient Following Repair for Congenital Disease</b>
9:00 am	<b>Pericardial Constriction vs. Restriction</b>
9:20 am	<b>Refreshment Break and Visit Exhibits</b>

## The Last Hurrah

9:40 am	<b>Echo in Arrhythmic Disorders</b>
10:00 am	<b>Auto-Immune and Connective Tissue Diseases: What Are the Echo Features?</b>
10:20 am	<b>Stress Cardiomyopathy</b>
10:40 am	<b>Billing, Accreditation and Regulation: What's on the Horizon?</b>
11:00 am	<b>Closing Remarks and Aloha!</b>

# ECHO HAWAII

## Registration Form

January 19 – 23, 2015

Hapuna Beach Prince Hotel  
Kohala Coast, Big Island, HI

Your Echo Hawaii registration fee includes continental breakfasts, one light lunch, welcome reception, poster reception, and a memory stick containing course materials.

Name: \_\_\_\_\_

First Name

Middle Initial

Last Name

Credential:  MD  DO  PhD  RN  RCS  RDCS  Other

ASE Member Number: \_\_\_\_\_

Institution: \_\_\_\_\_

Email Address: \_\_\_\_\_

*(All correspondence regarding your registration including your confirmation will be sent to this email address.)*

Which is your preferred mailing address?  Work/Business  Home

Street Address: \_\_\_\_\_

City: \_\_\_\_\_ State/Province: \_\_\_\_\_ Zip/Postal Code: \_\_\_\_\_ Country: \_\_\_\_\_

Telephone: \_\_\_\_\_ Fax: \_\_\_\_\_

If you need disability accommodations, please check here and advise us of your needs at least two weeks before the program.

**Special Needs:** ASE encourages participation by all individuals. If you have a disability or other specific needs, advance notification will help ASE to better serve you. Please contact ASE by email at [ase@asecho.org](mailto:ase@asecho.org) or telephone at (919) 861-5574.

Special Dietary Needs: \_\_\_\_\_

### Registration Fees\*\*:

ASE/CSE Physician Member (\$675)

ASE/CSE Sonographer Member (\$550)

ASE/CSE Fellows in Training\* (\$455)

Physician Non-Member (\$795)

Sonographer Non-Member (\$650)

Fellows in Training Non-Member\* (\$555)

Submit an abstract to be eligible for a \$100 discount on registration. Visit [www.asecho.org/EchoHawaii](http://www.asecho.org/EchoHawaii) for details.

*\*Registrants in the reduced fees category are required to submit proof of licensure or a letter written on official letterhead and signed by a department supervisor verifying status with registration form.*

*\*\*After December 12, 2014: ASE/CSE Physician Member \$775, Physician Non-Member \$895, ASE/CSE Sonographer/ Allied Health Member \$650, Sonographer/ Allied Health Non-Member \$750, ASE/CSE Fellow-in-Training Member \$555, Fellow-in-Training Non-Member \$655*

### Maintenance of Certification by Case-Based Echocardiography Course:

Registration fee for this session also includes access to the ASE Online MOC Module.

Part 1: Wednesday, January 21, 2015; 7 am - 8 am

ASE/CSE Member (\$175)

Non-Member (\$250)

Part 2: Thursday, January 22, 2015; 7 am - 8 am

### Payment Information

Payment must accompany this form.

Check (payable to American Society of Echocardiography in U.S. dollars drawn on a U.S. bank)

Credit Card:  Visa  MasterCard  American Express

Cardholder's Name: \_\_\_\_\_

Card Number: \_\_\_\_\_ Expiration Date: \_\_\_\_\_

**Register online and receive an immediate receipt! [www.asecho.org/EchoHawaii](http://www.asecho.org/EchoHawaii)**

American Society of Echocardiography

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# ASE Foundation

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