

24th Annual Echo Hawaii



January 20 - 24, 2014

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

Course Director

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

Course Co-Director

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

**New
Maintenance
of Certification
Session**

Register at www.asecho.org/EchoHawaii



Jointly Sponsored by the American Society of Echocardiography and the American Society of Echocardiography Education and Research Foundation
In Cooperation with Canadian Society of Echocardiography

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, 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.
- Evaluate the usefulness and limitations of stress echocardiography.
- Recognize the role of echo contrast and be able to incorporate its use in the echo laboratory.
- Integrate echo information in the management of 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 sponsorship 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 29.25 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

ARDMS and CCI 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 22, 2014, and Thursday, January 23, 2014. 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 and audience response, topics covered will include: new technology, artifacts, valvular heart disease, ventricular size and function, coronary artery disease, cardiomyopathies, congenital heart disease, Doppler, diastolic function, pericardial disease, stress echocardiography and cardiac masses.

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:	\$189.00	Premium Ocean View:	\$239.00
Partial Ocean View:	\$209.00	Ocean Front:	\$299.00
Ocean View:	\$229.00	Ocean Suite:	\$499.00

Program Information

The hotel room block is scheduled to be held until Friday, January 3, 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 2014, your registration fee, less a \$100 administrative fee, will be refunded when written notification is received before Friday, January 3, 2014. No refunds will be made after Friday, January 3, 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 22, 2014, 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 17, 2013. Abstract presenters will receive a \$100 discount on their registration. Visit www.asecho.org/EchoHawaii for more details.

Course Director

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St. Michaels Hospital, Toronto, ON, Canada

Satoshi Nakatani, MD, PhD

Takarazuka, Japan

Yutaka Otsuji, MD

UOEH, Japan School of Medicine, Kitakyushu, Japan

Sung-Ji Park, MD

Samsung Medical Center, Seoul, Korea

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University of Nebraska Medical Center, Omaha, NE

Brad Roberts, BS, RCS, RDCS, FASE

Baylor Research Institute, Dallas, TX

Igal Sebag, MD, FASE

Jewish General Hospital, Montreal, PQ, Canada

William Stewart, MD, FASE

Cleveland Clinic, Columbus, OH

Lissa Sugeng, MD, MPH

Yale School of Medicine, New Haven, CT

James Tam, MD

University of Manitoba, Winnipeg, MB, Canada

Li Xue Yin, MD

Sichuan Academy of Medical Science & Sichuan Provincial Hospital, Chengdu, China

Schedule of Events

Course Schedule

SUNDAY, JANUARY 19, 2014

5:00 pm - 6:00 pm **Registration**

MONDAY, JANUARY 20, 2014

6:30 am - 7:30 am **Continental Breakfast and Visit Exhibits**

7:00 am - 7:30 am **Registration**

7:30 am **Welcome and Introduction**
J. Lindner, T. Ryan, B. Byrd

Assessment of Systolic Function *J. Thomas, presiding*

7:40 am **Systolic Function: Essential Physiology for Cardiac Imaging**
T. Ryan

8:00 am **2D and 3D Assessment of Systolic Function**
L. Sugeng

8:20 am **Strain Imaging: Physical Principles and Clinical Application**
J. Thomas

8:40 am **Assessment of Right Ventricular Size and Function**
S. Goldstein

9:00 am **Contrast for the Assessment of LV Size and Function**
H. Leong-Poi

9:20 am **Panel Discussion**
All

9:40 am **Refreshment Break and Visit Exhibits**

Diastolic Function and Beyond *T. Ryan, presiding*

10:00 am **Cardio-Oncology: The Intersection of Cancer and the Heart**
I. Sebag

10:20 am **Understanding Diastole and Its Contribution to Heart Failure Pathophysiology**
J. Thomas

10:40 am **The Components of a Diastolic Examination**
J. Oh

11:00 am **Clinical Application of Echo Diastolic Measurements - Proper Use of the Data**
T. Porter

11:20 am **Assessment of Atrial Size and Function**
M. McCulloch

11:40 am **Reading with the Experts: Complex Case Studies of LV Function and Hemodynamics**
A. DeMaria, J. Oh, T. Porter

12:15 pm **Panel Discussion**
All

12:30 pm **Adjourn**

5:00 pm - 6:30 pm **Hemodynamics and Diastology Workshop**
M. McCulloch, B. Roberts, L. Sugeng, J. Tam

6:30 pm - 8:00 pm **Welcome Reception**

TUESDAY, JANUARY 21, 2014

6:30 am **Continental Breakfast and Visit Exhibits**

7:00 am - 8:00 am **Case Studies in Contrast: LVO**
T. Belcik, P. Grayburn, H. Leong-Poi, T. Porter

Contrast Echocardiography *J. Lindner, presiding*

8:00 am **Basics of Contrast Imaging: What You Need to Know to Get Going**
J. Lindner

8:20 am **Integration of Contrast in Your Lab: Consent, Workflow, Safety**
T. Belcik, M. McCulloch

8:40 am **Left Ventricular Opacification - Beyond Endocardial Definition**
A. DeMaria

9:00 am **Refreshment Break and Visit Exhibits**

Valvular Heart Disease *W. Stewart, presiding*

9:20 am **Comprehensive Assessment of Aortic Stenosis**
S. Goldstein

9:40 am **Low Gradient Aortic Stenosis and Surgery for the Asymptomatic Patient**
P. Grayburn

10:00 am **Role of Echo in Aortic Valve Interventions**
L. Gillam

10:20 am **Echo Evaluation of Aortic Regurgitation and How to Manage Discrepant Data**
W. Stewart

10:40 am **Mitral Regurgitation: The Spectrum of Pathology**
W. Armstrong

11:00 am **Echo Evaluation of Mitral Regurgitation at Rest and Stress**
P. Grayburn

11:20 am **Mitral Valve Repair: Role of 3D Echocardiography and OR Decision Making**
J. Oh

Schedule of Events

11:40 am **Pulmonary and Tricuspid Valve Disease: Are Right-Sided Valves Different?**
L. Gillam

12:00 pm **Panel Discussion**
All

12:30 pm **Adjourn**

5:00 pm – 6:00 pm **3D and Strain Workshop**
M. McCulloch, B. Roberts, I. Sebag, L. Sugeng

WEDNESDAY, JANUARY 22, 2014

7:00 am–8:00 am **Maintenance of Certification by Case-Based Echocardiography, Part 1 (additional fee)**
A. DeMaria, P. Grayburn, J. Lindner

Pacific Rim Symposium - Clinical Application of New Technologies
J. Ha and L. Sugeng, presiding

8:00 am **Early Bird Cases: Interesting Cases from the Asian-Pacific Rim**
Y. Otsuji, S. Park, J. Ha, L. Yin

9:00 am **3D Echo Anatomy and Appropriate Views**
G. Hong

9:20 am **3D Echo in Valve Disease**
L. Sugeng

9:40 am **3D Echo for LV and Atrial Volumes: What is the Incremental Value?**
J. Kwan

10:00 am **Hand-Held Echocardiography**
J. Tam

10:20 am **Refreshment Break and Visit Exhibits**

Pacific Rim Symposium - Clinical Application of New Technologies
S. Nakatani, presiding

10:40 am **Strain Echo in Ischemic Heart Disease**
S. Nakatani

11:00 am **Ventricular Torsion: Are Twists and Turns Important?**
S. Park

11:20 pm **Takotsubo and Other Stress Cardiomyopathies: The Role of Advanced Echo Techniques**
Y. Otsuji

11:40 pm **Panel Discussion**
All

12:00 pm **Light Lunch and Exhibits**

TEE and Interventional Symposium
L. Gillam, presiding

1:00 pm **The Echocardiographer in the OR: Impact on the Operative Course**
W. Stewart

1:20 pm **The Incremental Value of 3D TEE**
L. Sugeng

1:40 pm **What You Need to Know to Guide Percutaneous Valve Interventions**
P. Grayburn

2:00 pm **Assessment of Prosthetic Valves**
T. Porter

2:20 pm **Assessment of ASDs and Closure Devices**
L. Gillam

2:40 pm **Acute and Chronic Aortic Diseases: Role of Echo, CT and MR Imaging**
S. Goldstein

3:00 pm **Echo in Atrial Fibrillation: Echo in Decision Making**
W. Armstrong

3:20 pm **Panel Discussion**
All

3:40 pm **Refreshment Break and Visit Exhibits**

4:00 pm **Read With the Experts: Cases in Valve Disease**
W. Armstrong, P. Grayburn, W. Stewart

5:00 pm – 6:00 pm **Poster Session and Reception**

THURSDAY, JANUARY 23, 2014

6:30 am–8:00 am **Continental Breakfast and Visit Exhibits**

7:00 am–8:00 am **Maintenance of Certification by Case-Based Echocardiography, Part 2 (additional fee)**
L. Gillam, M. Grogan, J. Thomas

Ischemic Heart Disease
T. Porter, presiding

8:00 am **Coronary Physiology and Flow-Function Relation: What the Imager Needs to Know**
J. Lindner

8:20 am **Update on Stress Echocardiography: How to Maximize Clinical Value**
T. Ryan

8:40 am **Contrast for Myocardial Perfusion: How and Why?**
T. Porter

9:00 am **Niche Applications for Contrast: Cardiomyopathies, Masses and Microvascular Dysfunction**
H. Leong-Poi

9:20 am **Refreshment Break and Visit Exhibits**

Heart Failure and Cardiomyopathies
W. Armstrong, presiding

9:40 am **Echo in Advanced Heart Failure**
W. Armstrong

Schedule of Events

10:00 am	Assessment of Myocardial Viability: Role of Echo, Nuclear and MRI <i>J. Lindner</i>
10:20 am	Hypertrophic Cardiomyopathy: Anatomy, Hemodynamics and Prognosis <i>J. Thomas</i>
10:40 am	The Athlete's Heart and Echocardiographic Screening for Competitive Athletes <i>A. DeMaria</i>
11:00 am	Pulmonary Hypertension: What Role Does Echo Play? <i>J. Tam</i>
11:20 am	Echo in Pregnancy and the Peripartum Period <i>M. Grogan</i>
11:40 am	Echo in Specific Cardiomyopathies: Amyloid, Sarcoid, Eosinophilic, etc. <i>L. Gillam</i>
12:00 pm	Panel Discussion <i>All</i>
12:30 pm	Adjourn
5:00 pm–6:00 pm	Practical Workshop: Optimizing Contrast on Your Echo System <i>T. Belcik, H. Leong-Poi, M. McCulloch, T. Porter</i>

FRIDAY, JANUARY 24, 2014

6:30 am–7:00 am	Continental Breakfast and Visit Exhibits
7:00 am–8:00 am	Early Bird Cases: Cardiomyopathies <i>L. Gillam, W. Stewart, L. Sugeng</i>
ACHD and Miscellaneous Echo <i>M. Grogan, presiding</i>	
8:00 am	Unrepaired Cyanotic Congenital Heart Disease: What You Must Recognize <i>M. Grogan</i>
8:20 am	Cardiac Masses: Role of Echo, CT and MRI <i>J. Ha</i>
8:40 am	Assessing the Patient Following Repair for Congenital Disease <i>M. Grogan</i>
9:00 am	Pericardial Disease <i>J. Oh</i>
9:20 am	Refreshment Break and Visit Exhibits

The Last Hurrah

J. Lindner, presiding

9:40 am	Dyssynchrony on Echo - Is There a Role? <i>A. DeMaria</i>
10:00 am	Echo in Systemic Diseases <i>W. Armstrong</i>
10:20 am	My Greatest Mistakes: Lessons Learned from Being Wrong <i>T. Ryan</i>
10:40 am	Cutting Edge Echo Technologies: What's on the Horizon? <i>J. Thomas</i>
11:00 am	The Changing Health Policy Landscape – How it Impacts Echocardiography <i>B. Byrd</i>
11:20 am	The MAI TAI Competition! (Mesmerized by All Interesting Cases: Time for Audience Interpretation) <i>J. Lindner, T. Ryan, J. Thomas</i>
12:00 pm	Closing Remarks and Aloha! <i>J. Lindner, T. Ryan</i>



24th Annual Echo Hawaii REGISTRATION FORM

January 20-24, 2014 • Hapuna Beach Prince Hotel, Kohala Coast, Big Island, HI

Your Echo Hawaii registration fee includes continental breakfasts, one light lunch, poster reception, welcome 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 registrar@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 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, 2013: 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 22, 2014; 7am - 8am

Part 2: Thursday January 23, 2014; 7am- 8am

☐ ASE/CSE Member (\$175) ☐ Non-Member (\$250)

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

American Society of Echocardiography

2100 Gateway Centre Blvd., Suite 310, Morrisville, NC 27560

Telephone: (919) 861-5574, Fax: (919) 882-9900

Email: registrar@asecho.org, Web site: www.asecho.org/EchoHawaii



ASE Foundation

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