

ECHO HAWAII

28th ANNUAL



ADVANCE PROGRAM

January 15-19, 2018

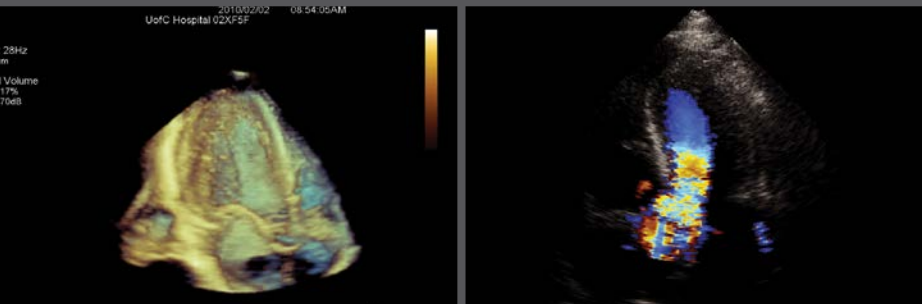
**Hapuna Beach Prince Hotel
Kohala Coast, Big Island, HI**

Course Director

Neil J. Weissman, MD, FASE
Past President, ASE
MedStar Health Research Institute
Washington, DC

Co-Director

James D. Thomas, MD, FASE
Past President, ASE
Northwestern Medicine
Chicago, IL



Register now at ASEcho.org/EchoHawaii



Jointly provided by ASE and the ASE Foundation, and held in cooperation with the 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 applications 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. When appropriate, multimodality imaging is also covered. Special sessions include workshops on perioperative and critical care and 3D echocardiography.

Learning 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.
- Explain the role of echocardiography in the perioperative and critical care environment.

Who Should Attend

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

Course Registration

Registration fees include breakfasts, lunches, refreshment breaks, the networking reception, access to course materials, and CME credit. ASE members can take advantage of reduced registration fees as a benefit of membership. Register online at ASEcho.org/EchoHawaii.

ASE Membership

Nonmember registrants for the 28th Annual Echo Hawaii course will receive a complimentary American Society of Echocardiography (ASE) membership through December 31, 2018, with their registration. This membership is only available to those who have never been a member of ASE. ASE serves its members in numerous ways by providing education, advocacy, research, practice guidelines, and a community for their profession. ASE membership includes over \$750 of FREE CME credits a year, in addition to discounts on all ASE educational courses and products. Also included is a monthly subscription to the *Journal of the American Society of Echocardiography* (JASE), help with legislative coding and reimbursement issues, and other career resources. A plethora of online tutorials, webinars, and other educational activities make membership beneficial to echocardiographers located around the world. View the extensive list of member benefits at ASEcho.org.

Accreditation and Designation

The American Society of Echocardiography is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The American Society of Echocardiography designates this live activity for a maximum of 31.5 *AMA PRA Category 1 Credits*[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity. Successful completion of this CME activity enables the participant to earn up to 31.5 MOC points in the American Board of Internal Medicine's (ABIM) Maintenance of Certification (MOC) program. Participants will earn MOC points equivalent to the amount of CME credits claimed for the activity.

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

Echo Hawaii Attendee





Accommodations and Lodging Information

Nestled amidst the bluffs above the white sands of the sunny Kohala Coast on the Big Island the Hapuna Beach Prince and Mauna Kea Beach Hotels offer the perfect spot to unplug, unwind, and explore the ocean with family and friends. These upscale golf resort hotels are 11.5 miles from downtown Waimea and 12.9 miles from Lapakahi State Historical Park. Airy rooms come with ocean views, balconies, free WiFi and flat-screen TVs, as well as minifridges and coffeemakers. ASE attendees also receive free access to the fitness center and discounts on greens fees at the two resort golf courses. Both hotels are in Kamuela on the Big Island of Hawaii and are located approximately 30 minutes from the Keahole-Kona International Airport.

For your convenience, ASE has secured a block of rooms at discounted rates at both the Hapuna Beach Prince and Mauna Kea Beach Hotels. To make your reservations, please contact the hotel directly at 800-882-6060 or email reservations@princehawaii.com. Please specify you are with the American Society of Echocardiography Echo Hawaii to secure these group rates. For more information on booking hotel reservations, please visit ASEcho.org/AccommodationsEH.

The hotel room block is scheduled to be held until Thursday, December 14, 2017, 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.

Located on the Big Island, this location offers everything you desire like dependable sunshine, superb sandy beaches, warm turquoise fish-filled waters, swaying coconut palms, and pristine rain forests. A few Big Island attractions include Volcanoes National Park, Parker Ranch, Mauna Kea Observatory, Waipio Valley, Akaka Falls, and Hapuna Beach State Park.

Poster Presentations

You are invited to submit your original basic or clinical research to be considered for poster presentation. On Wednesday evening, January 17, 2018, posters will be displayed on a terrace overlooking the ocean during a beautiful sunset reception, and members of the faculty will moderate your work. This allows you an opportunity to briefly present the key findings of your work to both faculty and attendees. Abstract submission opens Friday, September 1, 2017, and closes Wednesday, November 1, 2017. Accepted abstract presenters will receive a \$100 discount on their registration. Visit ASEcho.org/EchoHawaii for more details.

“Great Course. Great location. Excellent balance of learning and fun.”

Echo Hawaii Attendee

Invited Faculty

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Northwestern Medicine
Chicago, IL

Invited Faculty

Bonita A. Anderson, MAppISc, DMU, AMS, ACS, FASE

Prince Charles Hospital
Brisbane, Queensland, Australia

Federico M. Asch, MD, FASE

MedStar Washington Hospital
Washington, DC

Anthony N. DeMaria, MD, FASE

Past President, ASE
University of California San Diego
San Diego, CA

Paul A. Grayburn, MD, FASE

Baylor Heart and Vascular Institute
Dallas, TX

Duk-Hyun Kang, MD

Asan Medical Center
Seoul, Korea



Kenya Kusunose, MD, PhD

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Sangeeta B. Shah, MD, FASE

Ochsner Heart and Vascular Institute
New Orleans, LA

Madhav Swaminathan, MD, FASE

Duke University Medical Center
Durham, NC

Paaladinesh Thavendiranathan, MD, FASE

University Health Network
Toronto, ON, Canada

Wendy Tsang, MD

University of Toronto
Toronto, ON, Canada

Gerard T. Wilkins, MD

University of Otago
Dunedin, New Zealand

Schedule of Events

SUNDAY, JANUARY 14, 2018

4:00 –
6:00 PM **Registration**

MONDAY, JANUARY 15, 2018

6:30 AM **Registration
Breakfast and Visit Exhibits**

LV FUNCTION, CAD AND CONTRAST

7:00 AM **Welcome**
J. Thomas, N. Weissman

7:10 AM **Welcome from ASE President**
V. Rigolin

7:15 AM **Coffee and Cases: Critical Role of Echo in Coronary Artery Disease**
L. Rudski

7:30 AM **Systolic Function: It's Not Just Ejection Fraction Anymore!**
W. Tsang

7:50 AM **Echo for the Assessment of Acute Chest Pain**
G. Wilkins

8:10 AM **Getting the Most Out of Stress Echo**
V. Rigolin

8:30 AM **Complications of Myocardial Infarction: Critical Role of Echo**
N. Weissman

8:50 AM **Panel with Audience Response**
V. Rigolin, L. Rudski, W. Tsang, N. Weissman, G. Wilkins

9:10 AM **Refreshment Break and Visit Exhibits**

9:30 AM **A Very Practical Approach to Incorporating Contrast into a Busy Lab**
A. DeMaria

9:50 AM **Perfusion Contrast Echo Imaging: Is This the Year?**
J. Lindner

10:10 AM **Contrast Cases You Will Never Forget**
A. DeMaria, P. Grayburn

10:30 AM **Innovation Interlude: Molecular Imaging**
J. Lindner

10:45 AM **Panel with Audience Response**
A. DeMaria, P. Grayburn, J. Lindner

11:00 AM **When Does 3D Echo Make a Difference?**
W. Tsang

11:20 AM **Cardiac MRI: Echo's Friend or Enemy?**
P. Thavendiranathan

11:40 AM **Think Quick: Make the Diagnosis with Just One Clip**
B. Anderson

12:00 PM **Workshop: Contrast**
A. DeMaria, P. Grayburn, J. Lindner

5:00 –
6:30 PM **How to Interpret 3D Echoes**
K. Kusunose, P. Thavendiranathan, W. Tsang

6:30 –
7:30 PM **Welcome Reception**

TUESDAY, JANUARY 16, 2018

6:30 AM **Registration
Breakfast and Visit Exhibits**

VALVE DISEASE

7:00 AM **Live Dissection: Aortic and Mitral Valves**
M. Petrescu

7:30 AM **Coffee and Cases: I Use 3D for Valve Cases All the Time**
A. DeMaria, S. Little, M. Petrescu

8:00 AM **Aortic Stenosis: Going Beyond Gradient**
D. Kang

8:15 AM **When to Intervene on the Asymptomatic Patient**
N. Weissman

8:30 AM **Valvular Regurgitation: Putting the New Guidelines into Practice**
J. Thomas

8:50 AM **The Top Common Errors in Assessing Mitral Regurgitation**
P. Grayburn

9:10 AM **Panel with Audience Response**
A. DeMaria, P. Grayburn, D. Kang, S. Little, M. Petrescu, J. Thomas, N. Weissman

9:30 AM **Refreshment Break and Visit Exhibits**

9:50 AM **Live Dissection: Normal Tricuspid and Pulmonary Valves**
M. Petrescu

10:10 AM **The Forgotten Valves: Tricuspid and Pulmonic Valve Pathology**
L. Rudski

10:25 AM **A Practical Approach to Prosthetic Valves**
B. Anderson

10:45 AM **Managing Complex Endocarditis and Echo's Vital Role**
D. Kang

11:05 AM **Role of Stress Echo in Valvular Heart Disease**
K. Kusunose

11:20 AM **A Systematic Approach to Multi-Valve Disease**
J. Thomas

11:40 AM **Panel with Audience Response**
B. Anderson, D. Kang, K. Kusunose, M. Petrescu, L. Rudski, J. Thomas

12:00 PM **Workshop: Managing Complex Valve Cases from Around the World**
D. Kang, L. Rudski, G. Wilkins

WEDNESDAY, JANUARY 17, 2018

6:30 AM **Registration
Breakfast and Visit Exhibits**

HEART FAILURE AND CARDIOMYOPATHY

7:00 AM **Coffee and Cases: Heart Failure is Easy!**
D. Kang, J. Lindner, P. Thavendiranathan

8:00 AM **Physiology of Diastolic Function Made Easy**
J. Thomas

8:15 AM **Beginner's Guide to Strain: What Should Be in Your Lab in 2018**
B. Anderson

Schedule of Events

8:30 AM	Cardiomyopathies: Hypertrophic Obstructive Cardiomyopathy and Beyond <i>L. Rudski</i>
8:50 AM	Practical Ways to Incorporate a Diastolic Assessment Into Every Echo <i>J. Oh</i>
9:10 AM	Pulmonary Hypertension and Pulmonary Embolism: Role of Echo <i>K. Kusunose</i>
9:25 AM	Panel with Audience Response <i>B. Anderson, D. Kang, K. Kusunose, J. Lindner, J. Oh, M. Petrescu, L. Rudski, P. Thavendiranathan, J. Thomas</i>
9:45 AM	Refreshment Break and Visit Exhibits
10:05 AM	Constriction and Restriction: Never Get Confused Again! <i>J. Oh</i>
10:25 AM	Echo Assessment of LVADs <i>F. Asch</i>
10:45 AM	Innovation Interlude: 3D Quantitative Doppler <i>P. Thavendiranathan</i>
11:00 AM	Adult Congenital Heart Disease: What All Echocardiographers Should Know <i>S. Shah</i>
11:20 AM	When Do Adults with Congenital Heart Disease Need an Intervention: The Role of Echo <i>S. Shah</i>
3:30 – 5:00 PM	Workshop: Diastology and Advanced Strain <i>B. Anderson, K. Kusunose, J. Oh, J. Thomas</i>
5:00 – 6:00 PM	Abstract Poster Presentation and Reception

THURSDAY, JANUARY 18, 2018

6:30 AM	Registration Breakfast and Visit Exhibits
PERIOPERATIVE, INTERVENTIONAL AND CRITICAL CARE ECHO	
7:00 AM	Coffee and Cases: Perioperative, Critical Care, and Interventional <i>M. Swaminathan, W. Tsang, G. Wilkins</i>
7:30 AM	Putting Together a Structural Heart Program from the Imager's Perspective <i>S. Little</i>
7:45 AM	Percutaneous Approaches to Aortic Disease in 2018 <i>W. Tsang</i>
8:00 AM	Get Ready for Percutaneous Mitral Valve Approaches <i>P. Grayburn</i>
8:15 AM	TAVR: When Things Go Wrong <i>F. Asch</i>
8:30 AM	TEE Essential in Paravalvular Leak Closure and Pseudoaneurysmal Repair <i>G. Wilkins</i>
8:45 AM	Panel and Audience Response <i>F. Asch, P. Grayburn, S. Little, M. Swaminathan, W. Tsang, G. Wilkins</i>

9:15 AM	Refreshment Break and Visit Exhibits
9:40 AM	Echo Emergencies <i>V. Rigolin</i>
10:00 AM	Coronary Artery Bypass Graft: Monitoring Patients and Detecting Complications <i>M. Swaminathan</i>
10:20 AM	Innovation Interlude: 3D Printing and Echocardiography <i>S. Little</i>
10:40 AM	Dealing with the Unexpected in the Operating Room <i>M. Swaminathan</i>
11:00 AM	Diseases of the Aorta <i>F. Asch</i>
11:20 AM	Intraoperative Echo: Is There a Role for Advanced Echo Techniques (3D, Strain, etc)? <i>M. Swaminathan</i>
11:40 AM	Panel and Audience Response <i>F. Asch, S. Little, V. Rigolin, M. Swaminathan</i>
5:00 – 6:30 PM	Workshop: Interventional Echo Tips and Tricks <i>F. Asch, P. Grayburn, S. Little, G. Wilkins</i>

FRIDAY, JANUARY 19, 2018

6:30 AM	Registration Breakfast and Visit Exhibits
MISCELLANEOUS BUT IMPORTANT	
7:00 AM	Coffee and Cases: From Around the World <i>D. Kang, K. Kusunose, L. Rudski, W. Tsang</i>
8:00 AM	The Athlete's Heart: Critical Role of Echo <i>N. Weissman</i>
8:15 AM	Masses: A Multimodality Approach <i>S. Shah</i>
8:30 AM	Cardio-Oncology: Basics and Knowing When You Need an Echo <i>V. Rigolin</i>
8:45 AM	Cardio-Oncology: Applying New Echo Technology to Guide Therapy <i>P. Thavendiranathan</i>
9:00 AM	Cardio-Oncology Panel: Present Unknown Cases <i>A. DeMaria, V. Rigolin, P. Thavendiranathan</i>
9:30 AM	Refreshment Break and Visit Exhibits
9:50 AM	Innovation Interlude: Machine Learning Applications to Echo <i>N. Weissman</i>
10:00 AM	Pericardial Disease and Tamponade <i>J. Oh</i>
10:20 AM	Pregnancy and Heart Disease <i>S. Shah</i>
10:40 AM	Echo in Systemic Diseases: Sarcoid, Amyloid, etc. <i>V. Rigolin</i>
11:00 AM	Mai Tai Finale: Mesmerized by All Interesting Cases: Time for Audience Interpretation <i>F. Asch, J. Oh, M. Petrescu, M. Swaminathan, J. Thomas</i>
12:00 PM	Closing Remarks and Aloha!



ASE Foundation

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