

ECHO HAWAII

29th ANNUAL



ADVANCE PROGRAM

January 21–25, 2019

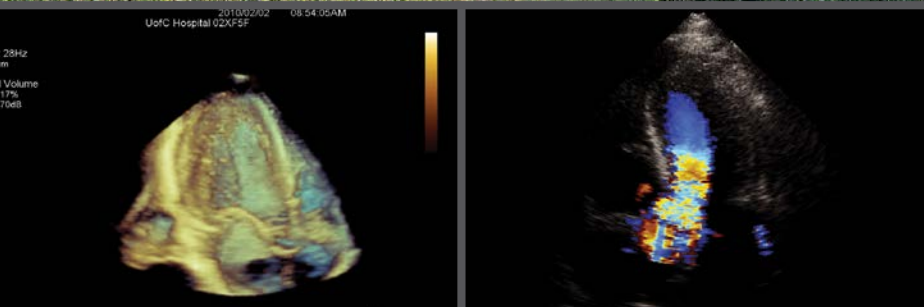
The Westin Hapuna Beach Resort
Kohala Coast, Big Island, HI

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, one lunch, refreshment breaks, welcome reception, poster 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 29th Annual Echo Hawaii course will receive a complimentary ASE membership through December 31, 2019, with their registration. 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), access to CASE, ASE's online case reports journal, 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. Pending approval, ASE estimates 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. Successful completion of this CME activity enables the participant to earn MOC points in the American Board of Internal Medicine's (ABIM) Maintenance of Certification (MOC) program and/or The American Board of Anesthesiology® (ABA) Maintenance of Certification in Anesthesiology Program® or MOCA®. Participants will earn MOC and/or MOCA points equivalent to the amount of CME credits claimed for the activity. It is ASE's responsibility to submit participant completion information to ACCME for the purpose of granting ABA MOCA and/or ABIM MOC points.



Maintenance of Certification in Anesthesiology Program® and MOCA® are registered certification marks of the American Board of Anesthesiology®. MOCA 2.0® is a trademark of the American Board of Anesthesiology®.

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

Past Echo Hawaii Attendee

A The Westin Hapuna Beach Resort



B The Kilauea Volcano

Accommodations and Lodging Information

Nestled amidst the bluffs above the white sands of the sunny Kohala Coast on the Big Island, The Westin Hapuna Beach Resort and Mauna Kea Beach Hotel offer the perfect spot to unplug, unwind, and explore the land and sea 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 both hotels with discounted rates. For more information on booking your hotel, please visit ASEcho.org/AccommodationsEH.

The hotel room blocks are scheduled to be held until Wednesday, December 19, 2018, but may be sold out before this date. Therefore, we advise registering for the program and reserving your hotel room 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.

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.

What's Going On With the Volcano?

The Westin Hapuna Beach Resort and Mauna Kea Beach Hotel are located on the opposite side of the Big Island from the Kilauea Volcano (101 miles away). All resort services are operating normally, and all amenities are available for your full enjoyment.

Visit WestinHapunaBeach.com/webcam for live weather conditions at the resort. For daily volcano updates, visit ASEcho.org/HawaiiVolcano.

Poster Presentations

You are invited to submit your original basic or clinical research to be considered for poster presentation. On Wednesday evening, January 23, 2019, 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 will open Saturday, September 1, 2018, and close Thursday, November 1, 2018. Accepted abstract presenters will receive a \$100 discount on their registration. Visit ASEcho.org/EchoHawaii for more details.

Invited Faculty

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James D. Thomas, MD, FASE

Past President, ASE
Northwestern Medicine
Chicago, IL

Invited Faculty

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

Prince Charles Hospital
Brisbane, Queensland, Australia

Craig S. Broberg, MD

Oregon Health & Science University
Portland, OR

Kwan-Leung Chan, MD

University of Ottawa Heart Institute
Ottawa, Ontario, Canada

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



Jong-Won Ha, MD, PhD

Yonsei University
Seoul, South Korea

Davinder S. Jassal, MD

University of Manitoba
Winnipeg, Manitoba, Canada

Jonathan R. Lindner, MD, FASE

President, ASE
Oregon Health & Science University
Portland, OR

Stephen H. Little, MD, FASE

Houston Methodist Hospital
Houston, TX

Carol K. C. Mitchell, PhD, RDMS, RDCS, RVT, RT(R), ACS, FASE

University of Wisconsin Hospital
Madison, WI

Jae K. Oh, MD, FASE

Mayo Clinic
Rochester, MN

Madalina Petrescu, MD

Swedish Medical Center
Seattle, WA

Thomas Ryan, MD, FASE

Past President, ASE
The Ohio State University
Columbus, OH

Lucy Safi, DO, FASE

Hackensack University Medical Center
Hackensack, NJ

Madhav Swaminathan, MD, FASE

President-elect, ASE
Duke University Medical Center
Durham, NC

Francois B. Tournoux, MD, PhD

University of Montreal
Montreal, Québec, Canada

Gerard Wilkins, MD

University of Otago
Dunedin, New Zealand

Schedule of Events

SUNDAY, JANUARY 20, 2019

4:00 –
6:00 PM **Registration**

MONDAY, JANUARY 21, 2019

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

LV FUNCTION, CORONARY ARTERY DISEASE, AND CONTRAST

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

7:10 AM **Welcome from ASE President**
J. Lindner

7:20 AM **A Master's Approach to Assessing Left Ventricular Systolic Function**
A. DeMaria

7:40 AM **Assessment of Chest Pain: Do We Need a Multimodality Approach?**
D. Jassal

8:00 AM **Stress Echo: How to Improve Your Batting Average**
T. Ryan

8:20 AM **Complications of Myocardial Infarction: Critical Role of Echo**
N. Weissman

8:40 AM **Contrast Can Be Used Routinely in a Busy Echo Lab**
A. DeMaria

9:00 AM **Perfusion Contrast Echo Imaging: Is This the Year?**
J. Lindner

9:20 AM **Panel with Audience Response**
A. DeMaria, D. Jassal, J. Lindner, T. Ryan, N. Weissman

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

10:00 AM **Contrast Cases You Will Never Forget**
A. DeMaria, P. Grayburn, J. Lindner

10:30 AM **Pearls from the Echo Textbook Editor: My Favorite Coronary Artery Disease/Left Ventricular Cases**
T. Ryan

10:45 AM **Echo Beyond 2019: Therapeutic Ultrasound**
J. Lindner

11:00 AM **Cardiac MRI: Echo's Friend or Foe?**
C. Broberg

11:20 AM **Think Quick: Make the Diagnosis with Just One Clip**
B. Anderson

11:40 AM **Panel with Audience Response**
B. Anderson, C. Broberg, A. DeMaria, P. Grayburn, J. Lindner, T. Ryan

12:00 PM **Contrast Workshop**

5:00 –
6:30 PM **3D Live Scanning Workshop**
C. Mitchell, M. Petrescu, L. Safi

6:30 –
7:30 PM **Welcome Reception**

TUESDAY, JANUARY 22, 2019

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

VALVE DISEASE

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

7:40 AM **Early Morning 'Eye-Opening' Cases: 3D for Valvular**
P. Grayburn, L. Safi

8:00 AM **Calculating Mitral & Aortic Stenotic Valve Areas: Pearls and Pitfalls**
K. Chan

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

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

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

9:10 AM **Panel with Audience Response**
K. Chan, P. Grayburn, M. Petrescu, L. Safi, J. Thomas, N. Weissman

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

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

10:20 AM **Echo Beyond 2019: Transcatheter Tricuspid Valve Repair**
S. Little

10:35 AM **A Practical Approach to Prosthetic Valves**
B. Anderson

10:55 AM **Managing Complex Endocarditis and Echo's Vital Role**
T. Ryan

11:15 AM **Exercise Echo to Assess Valvular Heart Disease**
J. Oh

11:30 AM **A Systematic Approach to Multi-Valve Disease**
J. Thomas

11:50 AM **Panel with Audience Response**
B. Anderson, S. Little, J. Oh, M. Petrescu, T. Ryan, J. Thomas

WEDNESDAY, JANUARY 23, 2019

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

HEART FAILURE AND CARDIOMYOPATHY

7:00 AM **Early Morning 'Eye-Opening' Cases: Heart Failure**
K. Chan, J. Ha, C. Mitchell, F. Tournoux

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

8:15 AM **Beginners Guide to Strain: What Should Be in Your Lab in 2019**
B. Anderson

8:30 AM **Strain Imaging for Cardiomyopathies**
J. Oh

8:50 AM **Cardiomyopathies: Multimodality Approach**
D. Jassal

Schedule of Events

9:10 AM	Assessing the Right Ventricle and Pulmonary Hypertension: Where Does Strain Fit In? <i>A. DeMaria</i>	10:00 AM	Coronary Artery Bypass Grafting: Monitoring Patients and Detecting Complications <i>M. Swaminathan</i>
9:30 AM	Constriction and Restriction: Never Get Confused Again! <i>J. Ha</i>	10:20 AM	Echo Beyond 2019: Devices You Never Imagined <i>P. Grayburn</i>
9:45 AM	Panel with Audience Response <i>B. Anderson, K. Chan, A. DeMaria, J. Ha, D. Jassal, C. Mitchell, J. Oh, J. Thomas, F. Tournoux</i>	10:40 AM	Making Sense of Unexpected Mitral Regurgitation in the Operating Room <i>M. Swaminathan</i>
10:05 AM	Refreshment Break and Visit Exhibits	11:00 AM	Paravalvular Leaks: Echo to the Rescue! <i>G. Wilkins</i>
10:25 AM	Echo Assessment of LVAD's and Transplant Patients <i>G. Wilkins</i>	11:20 AM	Diseases of the Aorta: How to Deal with Different Multi-Modality Measurements <i>C. Broberg</i>
10:45 AM	Echo Beyond 2019: A Role for Social Media? <i>M. Swaminathan</i>	11:40 AM	Panel and Audience Response <i>C. Broberg, P. Grayburn, S. Little, M. Swaminathan, G. Wilkins</i>
11:00 AM	Understanding Cardiac Embryology <i>C. Mitchell</i>	5:00 – 6:30 PM	Interventional Echo Tips and Tricks Workshop <i>P. Grayburn, S. Little, L. Safi, G. Wilkins</i>
11:15 AM	Tips and Tricks for Assessing Adult Congenital Heart Disease <i>B. Anderson</i>	FRIDAY, JANUARY 25, 2019	
11:30 AM	When Do Adults with Congenital Heart Disease Need An Intervention: The Role of Echo <i>C. Broberg</i>	6:30 AM	Registration, Breakfast, and Visit Exhibits
11:45 AM – 12:00 PM	Panel with Audience Response <i>B. Anderson, C. Broberg, C. Mitchell, M. Swaminathan, G. Wilkins</i>	MISCELLANEOUS BUT IMPORTANT	
3:30 – 5:00 PM	Diastology Case Workshop: The Guidelines in Practice <i>B. Anderson, J. Ha, J. Oh, F. Tournoux</i>	7:00 AM	Early Morning 'Eye-Opening' Cases From Around the World <i>J. Ha, D. Jassal, G. Wilkins</i>
5:00 – 6:00 PM	Abstract Poster Presentation and Reception	7:30 AM	Complications After Cardiac Devices <i>K. Chan</i>
THURSDAY, JANUARY 24, 2019		7:45 AM	Echo for the Athlete: What's Normal and What's Not? <i>F. Tournoux</i>
6:30 AM	Registration, Breakfast, and Visit Exhibits	8:00 AM	What Every Echocardiographer Should Know About Vascular Ultrasound <i>C. Mitchell</i>
PERIOPERATIVE, INTERVENTIONAL, AND CRITICAL CARE ECHO		8:15 AM	Handheld Echo: Are These Small Machines Really Good Enough? <i>A. DeMaria</i>
7:00 AM	Early Morning 'Eye-Opening' Cases: Interventional and Perioperative <i>J. Oh, G. Wilkins</i>	8:30 AM	Echo Beyond 2019: Will Artificial Intelligence Put Us Out of Business? <i>N. Weissman</i>
7:30 AM	Structural Heart Disease 'Job Description': Training, Workflow, Finances <i>S. Little</i>	8:45 AM	Refreshment Break and Visit Exhibits
7:45 AM	TAVR: When Things Go Wrong <i>L. Safi</i>	9:00 AM	New Echo Methods: Vortex and Gradient Imaging <i>F. Tournoux</i>
8:00 AM	3D Echo Assessment of the MitraClip <i>M. Petrescu</i>	9:20 AM	Cardio-Oncology: An Integrative Approach <i>D. Jassal</i>
8:20 AM	Left Atrial Appendage Occlusion: Role of Echo for High Quality Outcomes <i>L. Safi</i>	9:40 AM	Carcinoid and Other Unusual Conditions <i>C. Broberg</i>
8:40 AM	TEE in Emergent Situations <i>M. Swaminathan</i>	10:00 AM	Pericardial Disease and Tamponade <i>K. Chan</i>
9:00 AM	Panel and Audience Response <i>S. Little, J. Oh, M. Petrescu, L. Safi, M. Swaminathan, G. Wilkins</i>	10:20 AM	Cardiac Masses You Will Never Forget <i>T. Ryan</i>
9:20 AM	Refreshment Break and Visit Exhibits	10:40 AM	Panel and Audience Response <i>C. Broberg, K. Chan, D. Jassal, T. Ryan, F. Tournoux</i>
9:40 AM	Pearls from the ASE Guideline Chair <i>S. Little</i>	11:00 AM	Mai Tai Finale and Aloha Until 2020 <i>J. Lindner, J. Thomas, N. Weissman</i>



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January 21–25, 2019

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Your Echo Hawaii registration fee includes breakfasts, one lunch, refreshment breaks, welcome reception, poster reception, access to course materials, 29.25 CME credits and MOC and/or MOCA points.

Name: _____

FIRST NAME

MIDDLE INITIAL

LAST NAME

Credential: MD DO PhD RN RCS RDCS Other

Institution: _____

Email Address: _____

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

Street Address: _____

City: _____ State/Province: _____ Zip/Postal Code: _____ Country: _____

Telephone: _____ Fax: _____

ASE encourages participation by all individuals. If you have a disability or other specific needs including dietary, advance notification will help ASE to better serve you. Please contact ASE by email at Registrar@asecho.org or telephone at 919-861-5574.

Registration Fees	THROUGH DECEMBER 21, 2018	AFTER DECEMBER 21, 2018
ASE/CSE Physician Member	\$675	\$775
Physician Nonmember*	\$875	\$975
ASE/CSE Sonographer Member	\$550	\$650
Sonographer Nonmember*	\$700	\$800
ASE/CSE Fellows in Training**	\$455	\$555
Fellows in Training Nonmember**	\$555	\$655

Submit an abstract to be eligible for a \$100 discount on registration. Visit ASEcho.org/EchoHawaii for details.

Members of the Canadian Society of Echocardiography are eligible to register at the ASE Member rate.

* This registration fee includes ASE membership through December 31, 2019. Membership is only available to those who have never been a member of ASE.

** 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.

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: _____ CVC #: _____

Registration cancellation fees may apply, and ASE reserves the right to determine if a refund is possible. Please see the full cancellation policy online at ASEcho.org/EchoHawaii.



ASE Foundation

American Society of Echocardiography
2530 Meridian Parkway
Suite 450
Durham, NC 27540

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