

ECHO HAWAII

26th ANNUAL



FINAL PROGRAM

January 18-22, 2016

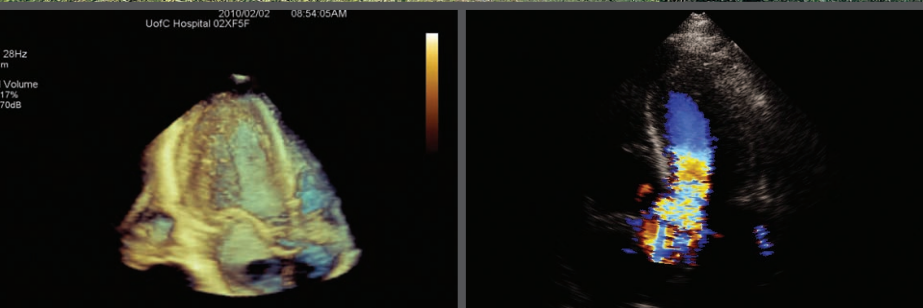
**Hapuna Beach Prince Hotel
Kohala Coast, Big Island, HI**

Course Director

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

Co-Director

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



Register now at 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.

ENHANCING THE ECHO!

Successfully Integrating and Utilizing Contrast-enhanced Echocardiography In Diverse Clinical Applications

Join Us For A Free Continuing Education Lunch Symposium

Monday, January 18, 2016

12:00 PM – 1:15 PM

12:00 PM **Welcome and Introductions**

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

12:05 PM **LVO – Improving Care by Endocardial Definition (Rest and Stress)**

Anthony N. DeMaria, MD, FASE
Past President, ASE
University of California San Diego, San Diego, CA

12:25 PM **Cavity Conundrums No More!**

Jonathan R. Lindner, MD, FASE

12:45 PM **Integrating Contrast Workflow in A Busy Echo Lab**

Georgeanne Lammertin, MBA, RCS, RDCS, FASE
University of Utah Healthcare, North Salt Lake, UT

1:05 PM Panel Discussion

1:15 PM Meeting Concludes

Educational Objectives

After completing this activity, participants will be able to:

- Describe existing and emerging applications in contrast-enhanced (CE) echocardiography for the diagnosis, classification, and monitoring of cardiovascular disease
- Review clinical trials demonstrating improved visualization of cardiac abnormalities that require real-time, dynamic imaging with CE echocardiography
- Discuss in which applications/patient types/syndromes where contrast should be considered before the echocardiographic examination is deemed suboptimal
- Apply CE echocardiography protocols and techniques that improve workflow in the echocardiography lab

Approved by the Society of Diagnostic Medical Sonography (SDMS) for 1.0 SDMS CME Credit.

1.0 AMA PRA Category 1 Credit™ for physicians are pending.

This activity is not a part of the official ECHO Hawaii, as planned by the Program Committee, or in any way endorsed or affiliated with ASE.

This activity is jointly provided by:



and



This activity is tracked by



This activity is supported by
an unrestricted educational grant
from Bracco Diagnostics Inc.

Welcome Message

Welcome Message

Welcome to Echo Hawaii, the American Society of Echocardiography's (ASE) version of education in paradise! Throughout this five-day meeting, you will learn state-of-the-art echocardiography and how it is applied to clinical decision-making and patient care. The international faculty for this meeting are world-class in terms of expertise and teaching prowess. Every afternoon, except Wednesday, is on your own although practical workshops are provided in the early evening. We are also providing an accredited Maintenance of Certification (MOC) special session on Wednesday and Thursday morning. These sessions require an additional fee, so please stop by the registration desk if you are interested.

There are many special events you won't want to miss. The Welcome Reception, taking place on Monday evening, features unique local cuisine, refreshments, and music and Wednesday's Poster Session and Sundown Reception features original echo research. These events provide an opportunity to interact with faculty and exhibitors in a casual setting.

Echo Hawaii is much more than education, after all you're in Hawaii! The Big Island has something for everyone. Enjoy the waves at the world-class Hapuna Beach, or try snorkeling or scuba diving along the unique volcanic reefs. You may even want to head down the coast for surfing lessons irrespective of your level of experience. Explore the rain forest just 20 miles north of the Hapuna Beach Prince Hotel.

For the more adventurous, take a walk on the wild side in Volcano National Park where you can hike right up to rivers of lava (with appropriate shoes of course). If you are astronomically inclined, be sure to tour the top of The Big Island's 14,000-foot Mauna Kea volcano for an evening of unmatched stargazing. Not feeling so adventurous? You can always just lay on the beach or by the pool and be glad you're not shoveling snow! The resort features 32 ocean front acres! On the Kohala Coast, there is sunshine almost all year round with an average temperature of 78 degrees in January. In addition, Echo Hawaii takes place during peak humpback whale watching season, something you won't want to miss. You'll also find dozens of excellent restaurants close-by for every budget and taste.

Enjoy your time and thank you for your participation at Echo Hawaii 2016!

Aloha!



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Vancouver, BC, Canada

Thomas Van Houten, MPH, RDCS, FASE

The Ohio State University
Columbus, OH

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 include workshops on perioperative and critical care and 3D echocardiography.

Target Audience

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.

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.

Maintenance of Certification *(additional fee required)*

Maintenance of Certification: Focus on Congenital Heart Disease will be held on Wednesday, January 20, 2016, and Thursday, January 21, 2016.

This session requires separate registration. Please visit the registration desk to register for this MOC.

It will provide cases reviewing the role of echocardiography in diagnosis and follow-up of a wide variety of different congenital heart diseases and defects, including, but not limited to: valve defects, atrial and ventricular septal defects, patent foramen ovale, patent ductus arteriosus, coarctation of the aorta, Ebstein's anomaly, pulmonary artery stenosis, tetralogy of Fallot, transposition of the great arteries, etc. Cases will include symptomatic and asymptomatic diagnosis and treatment, as well as adult patients with repaired or palliated CHD. Upon finishing this session registrants will be given access to an online module to complete to be awarded 11 MOC points towards ABIM's Medical Knowledge Self-Assessment requirements and 10 MOC points towards ABP's Lifelong Learning Self-Assessment requirements. Registration for this session includes access to the ASE Online MOC Module.

Disclaimer

The information provided during this CME activity is for continuing education purposes only and is not meant to substitute for the independent medical judgment of a healthcare provider relative to diagnostic and treatment options of a specific patient's condition.

Disclosure

ASE 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 relationship that could possibly conflict with the educational value of the program be resolved prior to the educational session and disclosed to the audience.

In accordance with these policies, ASE implemented mechanisms prior to the planning and implementation of this CME activity to identify and resolve conflicts of interest for all individuals in a position to control content. Disclosure information is referenced and can be found beginning on page 14 of this program.

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.



Program Information

The American Society of Echocardiography designates Echo Hawaii for a maximum of **27.25 AMA PRA Category 1 Credits™** for attending both the Main Conference and MOC Session and **25.25 AMA PRA Category 1 Credits™** for attending just the Main Conference. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Daily breakdown of CME credits:

January 18, 2016 = 6.25

January 19, 2016 = 4.75

January 20, 2016 = 6.5

January 21, 2016 = 5

January 22, 2016 = 4.75

Successful completion of this CME activity enables the participant to earn up to **27.25 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. It is the CME activity provider's responsibility to submit participant completion information to ACCME for the purpose of granting ABIM MOC credit. As a benefit to ASE members,

ASE will report your ABIM MOC credits for you. All you need to do is update your ABIM number and date of birth on your membership profile. If you would like help doing this while you are at Echo Hawaii, just visit the registration desk.

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.

This activity is eligible for Section 1 credits in the Royal College of Physicians and Surgeons of Canada's Maintenance of Certification (MOC) Program. Participants must log into MAINPORT to claim this activity.

Commercial Support Disclosure

Educational Grants: This activity is supported in part by unrestricted educational grants from Lantheus Medical Imaging, Medtronic, and Thoratec.



Attendee Information & Regulations

Registration Location and Hours

Attendee registration is located outside the Hapuna Ballroom.

Sunday, January 17, 2016

4:00 pm – 6:00 pm

Monday, January 18, 2016

6:30 am – 12:30 pm

Tuesday, January 19, 2016, through Friday, January 22, 2016, the registration desk will be open during all session hours.

How to Obtain CME

To claim your CME for Echo Hawaii, please follow the steps below using your Mozilla Firefox, Google Chrome or Safari browser. Internet Explorer will not work. The deadline to claim credit is **February 25, 2016**.

1. **ASE Members:** Go to ASEcho.org and log on to the Member Portal with your username (email) and password.
 - a. Click on **ASEUniversity and CME Credits** (This will take you directly to your ASEUniversity profile).
2. **Non-Members:** Go to ASEUniversity.org and create a new account or log into your existing account.
3. Once logged into ASEUniversity, the top of the page should say, "Hello, ____." Click **"Your Account."**
4. Under **"Your Account"** click on **"Add Access Code"** and enter the code **"HAWAII2016"**
5. Verify your registration information. Please be sure to use information that you used to register for the event.
6. Once verified, click **"Take Evaluation"** to claim your CME credit. CME credits are not earned until the entire evaluation has been completed.
7. Your certificate will be available for immediate download and can also be found under **"Your Account"** in the **"CE Transcript."**

Food Functions

ASE will provide breakfast and coffee breaks for registered attendees in the Hau/Lehua room from 6:30 am until the start of the session each morning.

ASE will provide a box lunch and an afternoon coffee break for registered attendees on Monday, January 18.

Please join us for a Welcome Reception on Monday evening from 6:00 pm – 7:30 pm and enjoy unique local cuisine, refreshments, and music. ASE will also hold a Sunset Reception on Wednesday, January 20 at 5:00 pm featuring original echo research.

Please refer to the program schedule for the times of the daily coffee breaks. The Hapuna Beach Prince Hotel offers their guests a variety of dining options along with Echo Hawaii attendee discounts. Please see page 8 for more details.

Internet Access

Attendees of the course receive complimentary internet in their guest rooms at the Hapuna Beach Prince Hotel. There is no Internet access in the meeting room.

Business Center

The Hapuna's Ricoh Business Center, located on the lobby level and directly across from the gift shop, is open 9:00 am – 5:00 pm daily. It offers self-service computers, printers, fax, copier, shipping services and more (price per printed black and white documents is \$0.15 each). For more information and pricing, please contact the Ricoh Business Center directly by phone 808-880-3470 or email at BusCtr@maunakearesort.net.

Cell Phone Use

Cell phones should not be used in the educational sessions. For consideration of faculty and other attendees, please remember to turn your cell phones and/or other electronic devices off or set to vibrate mode.

Safety

Audience seating is on a first-come, first-served basis. According to fire code, a session must be closed if the room fills to capacity. Inappropriate behavior or undesirable conduct, including, but not limited to, verbal or physical abuse, whether threatened or performed, will not be permitted or tolerated. You must wear your name badge at all times when attending the session or events.

Photography/AV Policy

No person may record any portion of the 26th Annual Echo Hawaii, either by video, still or digital photography, audio or any other recording or reproduction mechanism. This includes recording of presentations and supporting audio visual materials and of poster presentations and supporting poster materials.

Taking photos of, or recording the content of, presentation slides is also prohibited and is considered intellectual piracy. Attendees who ignore this policy will be asked to leave the educational session and are at risk of losing their name badge and attendance privileges.

ASE reserves the rights to all recordings or reproductions at ASE meetings. Please be aware that during the 26th Annual Echo Hawaii, attendees, vendors, guests and exhibitors may be photographed or videotaped by ASE staff capturing the event. Some of these photographs or videos may be displayed by ASE in future publication or other materials. By virtue of your attendance, you agree to allow ASE to use photographs of you in its promotional materials.

Children

ASE does not offer childcare services. Due to limited seating capacity and the highly technical nature of this program, children are not allowed to attend the educational session. For their safety, children must be accompanied by an adult at all times when attending the course events. If needed, babysitting services are available. Information is available at the Hapuna Beach Prince Hotel's concierge desk.

Location Information & Networking Events

The Big Island, Hawaii

You will have some free time to enjoy the many sights and activities available on the Big Island such as snorkeling, whale watching, visiting the Volcano National Park, or driving to the summit of the tallest mountain in the world when measured from its oceanic base, Mauna Kea. The Hapuna Beach Prince Hotel features a beautiful, white sand beach for your enjoyment and relaxation as well. This has been rated the best beach in America by Conde-Nast. Visit the hotel concierge to see what this hotel and island have to offer.

Hapuna Beach Prince Hotel

The Hapuna Beach Prince Hotel is happy to extend these special discounts for all ASE attendees:

- Buy 1 entrée and receive the 2nd at 50% off in Mauna Kea Hotel restaurants, including the Hau Tree, Manta Restaurant and Number 3 Restaurants; must present attendee name badge prior to ordering.
- Complimentary turndown service.
- Complimentary self-parking.
- Complimentary access to the Hapuna Beach Prince Golf Clubhouse's "state-of-the-art" fitness center.

To receive these discounted offers, please identify yourself as an ASE Echo Hawaii attendee.

Hapuna Beach Prince Hotel Dining Options

- **Coast Grille:** Coast Grille now features a new look inside and out with an updated menu including fun sharable plates such as Oysters Rockefeller "Six Pack" or Ahi Poke Nachos. The Coast Grille Lounge is perfect to meet up with friends and enjoy drinks or a casual dinner in the cozy lounge area or whet your appetite before dining on the Coast Grille Terrace overlooking Hapuna Beach. On Fridays and Saturdays, guests are treated to the Island's only oyster bar, featuring fresh seasonal oysters on the half shell and more. Make your next experience sharable, at Coast Grille Lounge and Coast Grille Terrace. Open Tuesdays through Sundays from 6:00 pm – 8:30 pm for dinner, 8:30 pm – 10:00 pm for cocktails and appetizers. Resort Attire.
- **Café Hapuna:** Located in the lobby, the Café Hapuna offers made-to-order or ready-to-go sandwiches, specialty coffee drinks, breakfast sweets, calzones, pizza, gourmet cookies, cupcakes and a salad bar where you can build-your-own salad. Open daily 6:00 am – 8:00 pm.
- **Ocean Terrace:** Overlooking Hapuna Beach and the blue Pacific, this casual open-air restaurant offers a thoughtful mix of healthy, creative items along with familiar favorites at the daily breakfast buffet and an extensive a la carte menu. Inquire upon check-in for hours of operation. Resort Attire.
- **Beach Bar:** Located poolside, the Beach Bar is open Saturday through Thursday for dinner from 5:00 pm – 8:00 pm. Casual Resort Attire.

Networking and Social Opportunities

Welcome Reception: ASE cordially invites you and your guests to the 26th Annual Echo Hawaii "Welcome Reception" on Monday evening, January 18, 2016, from 6:00 pm – 7:30 pm in the hotel courtyard, featuring Hawaiian hors d'oeuvres, beverages and local music. This casual reception welcomes you to paradise and offers you the perfect opportunity to meet faculty, friends and colleagues.

Poster Session and Sunset Reception: Attendees are invited to this year's poster presentation of original research on Wednesday evening, January 20, 2016, from 5:00 pm – 6:00 pm, featuring hors d'oeuvres and beverages. Posters will be displayed in the meeting area on the balcony overlooking the Pacific Ocean. This reception gives the presenters the opportunity to briefly present the key findings of their work and allows for open discussion. Please refer to page 11 for the Echo Hawaii 2016 poster finalists.

Schedule of Events

SUNDAY, JANUARY 17, 2016

4:00 –
6:00 pm **Registration**
Outside Hapuna Ballroom

MONDAY, JANUARY 18, 2016

6:30 am **Registration**
Outside Hapuna Ballroom

6:30 am **Breakfast and Visit Exhibits**
Hau/Lehua Room

WHAT'S NEW IN VALVE DISEASE?

Hapuna Ballroom

7:00 am **Welcome**
T. Ryan, N. Weissman

7:10 am **Basic Hemodynamics**
C. Chow

7:30 am **How the New Valve Guidelines Affect You**
J. Thomas

7:50 am **When Should I Quantify Valve Regurgitation?**
D. Orsinelli

8:10 am **A Comprehensive Approach to Prosthetic Valves**
M. Picard

8:30 am **What TAVR Has Taught Us About Aortic Stenosis**
D. Orsinelli

8:50 am **Role of Stress Testing in Valve Disease**
S. Nakatani

9:10 am **Question and Answer**
All

9:30 am **Refreshment Break and Visit Exhibits**
Hau/Lehua Room

9:50 am **Intraoperative Echo: Decision Making in Mitral Valve Disease**
V. Rigolin

10:10 am **Percutaneous Mitral Valve Repair: Present and Future**
W. Armstrong

10:30 am **Critical Role of Echo in IE**
N. Weissman

10:50 am **Tricuspid Valve Disease: When to Intervene**
G. Scalia

11:10 am **Complex Valve Cases**
T. Van Houten, C. Chow, J. Song

11:40 am **Question and Answer**
All

12:00 pm **Lunch and Science and Technology Theater:**
Presented by Bracco Diagnostics, Inc.
Hapuna Ballroom

1:15 pm **Adjourn**

5:00 –
6:00 pm **3D Echo: Case Studies in Valvular Heart Disease**
T. Van Houten, G. Lammertin, J. Choy
Hapuna Ballroom

6:00 –
7:30 pm **Welcome Reception featuring heavy hors d'oeuvres, cocktails, and live entertainment**
Courtyard

TUESDAY, JANUARY 19, 2016

6:30 am **Breakfast and Visit Exhibits**
Hau/Lehua Room

CORONARY ARTERY DISEASE AND MYOCARDIAL CONTRAST ECHOCARDIOGRAPHY

Hapuna Ballroom

7:00 am **Essential Physiology of Left Ventricular Function**
N. Weissman

7:20 am **Strain and Other Approaches Ventricular Dysfunction**
S. Nakatani

7:40 am **Basics of Contrast Echo**
G. Lammertin

8:00 am **What You Should Know About Perfusion Imaging**
J. Lindner

8:20 am **Stress Echo: How to Optimize Results**
T. Ryan

8:40 am **Functional Assessment of Valve Disease**
J. Song

9:00 am **Question and Answer**
All

9:20 am **Refreshment Break and Visit Exhibits**
Hau/Lehua Room

9:40 am **Pulmonary Arterial Hypertension and Pulmonary Embolism: Role of Echo**
T. Tsang

10:00 am **An Update on 3D Echo: Advances in Technology**
J. Thomas

10:20 am **Left Atrial Remodeling**
T. Tsang

10:40 am **Cases: Complications of Myocardial Infarction**
S. Nakatani

11:00 am **Emerging Role of Hand Held Echo**
A. DeMaria

11:20 am **Difficult Cases in Coronary Artery Disease and Stress Echo**
D. Orsinelli, T. Van Houten

12:00 pm **Adjourn**

WEDNESDAY, JANUARY 20, 2016

6:30 am **Breakfast and Visit Exhibits**
Hau/Lehua Room

7:00 am **Maintenance of Certification Session: Focus on Congenital Heart Disease, Part 1** *(additional fee required)*
S. Roble, J. Lindner, J. Oh

PERIOPERATIVE AND CRITICAL CARE ECHO

Hapuna Ballroom

8:00 am **Echo in the Emergency Department: Who Does It and to Whom?**
V. Rigolin

Schedule of Events

8:20 am	Coronary Artery Bypass Grafting: Monitoring Patients and Detecting Complications <i>M. Swaminathan</i>
8:40 am	Technology: Epicardial, Epi-aortic, and ICE <i>S. Shernan</i>
9:00 am	Impact of 3D on Interventional Echo <i>J. Choy</i>
9:20 am	Intraoperative Echo: When to Go Back on Pump <i>M. Swaminathan</i>
9:40 am	Question and Answer <i>All</i>
10:00 am	Refreshment Break and Visit Exhibits Hau/Lehua Room
10:20 am	Diseases of the Aorta <i>S. Shernan</i>
10:40 am	TAVR: When Things Go Wrong <i>D. Orsinelli</i>
11:00 am	Defining TAVR Success: New Guidelines and Role of Echo <i>J. Oh</i>
11:20 am	The Patient with Shock <i>M. Swaminathan</i>
12:00 pm	Question and Answer <i>All</i>
12:20 pm	Adjourn

3:30 – 5:00 pm **Workshop: Perioperative and Critical Care Cases**
M. Swaminathan, S. Shernan
Hapuna Ballroom

5:00 – 6:00 pm **Poster Session and Sunset Reception featuring heavy hors d'oeuvres and cocktails**
Breezeway

THURSDAY, JANUARY 21, 2016

6:30 am	Breakfast and Visit Exhibits Hau/Lehua Room
7:00 am	Maintenance of Certification Session: Focus on Congenital Heart Disease, Part 2 <i>(additional fee required)</i> <i>J. Thomas, A. DeMaria, S. Roble</i>

CARDIOMYOPATHY AND HEART FAILURE

Hapuna Ballroom

8:00 am	The Basics of Systolic Function <i>J. Thomas</i>
8:20 am	A Practical Approach to Diastole <i>G. Scalia</i>
8:40 am	The Patient with Heart Failure: When to Echo? <i>A. DeMaria</i>
9:00 am	Hypertrophic Cardiomyopathy: Beyond Gradient and Wall Thickness <i>M. Picard</i>
9:20 am	Future of Contrast Echo <i>J. Lindner</i>

9:40 am	Question and Answer <i>All</i>
10:00 am	Refreshment Break and Visit Exhibits Hau/Lehua Room
10:20 am	The Cardiomyopathies: Role of Multimodality Imaging <i>A. DeMaria</i>
10:40 am	Advanced Heart Failure and Ventricular Assist Devices <i>W. Armstrong</i>
11:00 am	Adult Congenital Heart Disease: What All Echocardiographers Should Know <i>S. Roble</i>
11:20 am	Cases in Cardiomyopathy and Heart Failure, Including Diastole <i>C. Chow, G. Scalia</i>
11:40 am	Question and Answer <i>All</i>
12:00 pm	Adjourn

FRIDAY, JANUARY 22, 2016

6:30 am	Breakfast and Visit Exhibits Hau/Lehua Room
7:00 am	Early Bird Cases <i>G. Lammertin, T. Ryan, J. Lindner</i>

MISCELLANEOUS BUT IMPORTANT

Hapuna Ballroom

8:00 am	Five Echo Diagnoses You Should Never Miss <i>W. Armstrong</i>
8:20 am	Masses: A Multimodality Approach <i>M. Picard</i>
8:40 am	The Athlete's Heart: Role of Echo <i>N. Weissman</i>
9:00 am	Echo in Health Care Reform <i>V. Rigolin</i>
9:20 am	Refreshment Break and Visit Exhibits Hau/Lehua Room
9:40 am	Interventions in Adult Congenital Heart Disease: Role of Echo <i>S. Roble</i>
10:00 am	Pericardial Disease and Tamponade <i>J. Oh</i>
10:20 am	Pregnancy and Heart Disease <i>S. Roble</i>
10:40 am	Constriction and Restriction <i>J. Oh</i>
11:00 am	MAI TAI Competition (Mesmerized by All Interesting Cases: Time for Audience Interpretation) <i>T. Ryan</i>
12:00 pm	Closing Remarks and Aloha!

Poster Presentations

Poster Presentations

Wednesday, January 20, 2016

5:00 pm – 6:00 pm

Sunset Reception & Poster Reception

Located in Breezeway

P1-01: Trends in Outcomes and Use of Echocardiography in Percutaneous Right Ventricular Assist Device

Thomas E. Schulte, M. Megan Chacon, Sasha K. Shillcutt. University of Nebraska Medical Center, Omaha, NE

Presented by Thomas E. Schulte

P1-02: Left Atrial Shape According to the Type of MR Jet: Multi-planar Reconstructive Mode Guided Understanding

Myung-Dong Lee, Man-Jong Lee, Sung-Woo Kwon, Sang-Don Park, Sung-Hee Shin, Seong-Il Woo, Dae-Hyeok Kim, Keum-Soo Park, Taehoon Ahn, Jun Kwan. Inha University Hospital, Incheon, Republic of Korea

Presented by Myung-Dong Lee

P1-03: Comparison of Conventional Echo Score in Patients with Symptomatic Rheumatic Mitral Stenosis: Transesophageal Echocardiography versus Transthoracic Echocardiography

Dae Sung Lee, Jongmin Hwang, Soo Yong Lee, Min Ku Chon, Sang Hyun Lee, Ki Won Hwang, Jeong Su Kim, June Hong Kim, Kook Jin Chun, Yong Hyun Park. Pusan National University YangSan Hospital, Busan, Republic of Korea

Presented by Dae Sung Lee

P1-04: Role of Atrial Electromechanical Delay as a Predictor of New Onset Atrial Fibrillation in Patient with Hypertrophic Cardiomyopathy

Bo Won Kim¹, Jae Hoon Cho², Han Cheol Lee¹, Kwang Soo Cha¹, Taek Jong Hong¹, Jung Hyun Choi¹. ¹Pusan National University Hospital, Busan, Republic of Korea; ²Busan Medical Center, Busan, Republic of Korea

Presented by Jae Hoon Choi

P1-05: Occurrence of Pulmonary Hypertension in Heterotaxy Syndrome: A Retrospective Observational Study

Keyur K. Mehta¹, Rachel K. Hopper², Brian D. Hanna². ¹State University of New York, Downstate Medical Center, Brooklyn, NY; ²The Children's Hospital of Philadelphia, Philadelphia, PA

Presented by Keyur K. Mehta

P1-06: Assessment of Atrial and Ventricular Electromechanical Delay, as a Cardiotoxicity Parameter in Patients with Trastuzumab Chemotherapy for Her2 Positive Breast Cancer Patient

Jong Hyun Choi¹, Yong Whan Lee², Jae Hoon Cho³, Han Cheol Lee¹, Kwang Soo Cha¹, Taek Jong Hong¹, Jung Hyun Choi¹. ¹Pusan National University Hospital, Busan, Republic of Korea; ²Dongrae Bong Seng Hospital, Busan, Republic of Korea; ³Busan Medical Center, Busan, Republic of Korea

Presented by Yong Whan Lee

P1-07: Deceleration Time of Left Ventricular Outflow Tract Flow as a Simple Surrogate Marker for Central Systolic Blood Pressure and Pulse Wave Velocity in Subjects with Normal Left Ventricular Systolic Function

In-Jeong Cho, Chi Young Shim, Sun-Ha Moon, Hyun-Jin Lee, Geu-Ru Hong, Namsik Chung, Jong-Won Ha. Severance Hospital, Yonsei University College of Medicine, Seoul, Republic of Korea

Presented by In-Jeong Cho

P1-08: Simple Echocardiographic Predictor of Low Cardiac Output in Patients with Heart Failure

Yusuke Nakano, Tomofumi Mizuno, Kentaro Mukai, Toru Niwa, Hirokazu Wakabayashi, Atsushi Watanabe, Hirohiko Ando, Hiroaki Takashima, Katsuhisa Waseda, Tetsuya Amano. Aichi Medical University, Nagakute, Japan

Presented by Yusuke Nakano

P1-09: A Comparison of Integrated Backscatter (IBS) with Late Gadolinium Enhancement (LGE) Magnetic Resonance Imaging to Identify Myocardial Viability in Acute Myocardial Infarction

Jong Min Lee¹, Hyo-Suk Ahn¹, Ji Hee Kwak², Goo-Yeong Cho³. ¹The Catholic University of Korea, Uijeongbu St. Mary's Hospital, Uijeongbu, Republic of Korea; ²Cardiovascular Center, Seonam University Myongji Hospital, Ilsan, Republic of Korea; ³Seoul National University College of Medicine, Cardiovascular Center, Seoul National University Bundang Hospital, Seoul, Republic of Korea

Presented by Ji Hee Kwak

P1-10: Takotsubo Cardiomyopathy during Pregnancy is a Clinical Entity Different from Peripartum Cardiomyopathy

Woo-In Yang, Jae-Youn Moon, In-Jai Kim, Sang-Wook Lim, Dong-Hoon Cha. CHA University, Seongnam, Republic of Korea

Presented by Woo-In Yang

P1-11: Incidence and Predictors of Chemo-induced Left Ventricular Dysfunction in Patients with Breast Cancer

Hyun Ju Yoon, Kye Hun Kim, Jae Yeong Cho, Jong Chun Park. Chonnam National University Hospital, Gwangju, Republic of Korea

Presented by Hyun Ju Yoon

P1-12: Sensitivity of Transthoracic and Transesophageal Echocardiography in Enterococcus Faecalis Endocarditis

Anders Dahl¹, Trine K. Lauridsen¹, Niels Eske Bruun^{1,2}. ¹Herlev-Gentofte University Hospital, Copenhagen, Denmark; ²Clinical Institute, Aalborg University, Aalborg, Denmark

Presented by Anders Dahl

P1-13: Left Ventricle Vortex Formation and Blood Flow Pattern in Patients with Left Ventricle Assist Device using Doppler-derived Vector Flow Mapping

Micheas Zemedkun, Zuyue Wang, Federico M. Asch. MedStar Washington Hospital Center, Washington, DC

Presented by Micheas Zemedkun

Poster Presentations

P1-14: Use of US to Monitor Cardiac Functions in the Rat Model of NAFLD

Kristin Edwards¹, Cedo Bagi¹, Carlin Okerberg², Walt Bobrowski², Timothy Coskran². ¹Pfizer Worldwide Research and Development, Comparative Medicine – Global Science and Technology, Groton, CT; ²Pfizer Worldwide Research and Development, Comparative Medicine – Investigative Pathology, Groton, CT
Presented by Kristin Edwards

P1-15: Intertechnical Differences for Measurements of Left Ventricular Volume and Ejection Fraction Between Two-Dimensional Echocardiography and Real Time Three-Dimensional Echocardiography Using Single Beat Full-Volume Acquisition in Patients with Regional Wall Motion Abnormality
Sung-Ai Kim, Woo-Jung Park, Sang-Ho Jo, Kyoung-Ha Park, Hyun-Sook Kim, Sang-Jin Han. Hallym University Sacred Heart Hospital, Hallym University College of Medicine, Dongan-gu, Republic of Korea
Presented by Woo-Jung Park

P1-16: Validation Study for a Novel Three-Dimensional Right Ventricular Volumetric Assessment Method Using Single Beat Right Ventricular Focused View
Iksung Cho, In-Cheol Kim, Ran Heo, Soo-Youn Lee, In Jeong Cho, Chi Young Shim, Hyuk-Jae Chang, Geu-Ru Hong, Jong-Won Ha, Yang-Soo Jang, Namsik Chung. Severence Cardiovascular Hospital, Yonsei University College of Medicine, Seoul, Republic of Korea
Presented by Iksung Cho

P1-17: Basal Septum Hypokinesis as an Early Manifestation of Cardiac Sarcoidosis
Hirohiko Ando, Tomofumi Mizuno, Atsushi Watanabe, Toru Niwa, Hirokazu Wakabayashi, Kentaro Mukai, Yuichi Nakano, Hiroaki Takashima, Tetsuya Amano. Aichi Medical University, Nagakute, Japan
Presented by Hirohiko Ando

P1-18: Ventriculo-vascular Coupling Index as a Prognosticator in Mild to Moderate Aortic Stenosis

Ju-Hee Lee¹, Yeonyee E. Yoon², Seung-Pyo Lee³, Hyung-Kwan Kim³, Yong-Jin Kim³, Dae-Won Sohn³, Myeong-Chan Cho¹, Goo-Yeong Cho². ¹Chungbuk National University Hospital, Chungbuk, Republic of Korea; ²Seoul National University Bundang Hospital, Gyeonggi-do, Republic of Korea; ³Seoul National University Hospital, Seoul, Republic of Korea
Presented by Ju-Hee Lee

P1-19: Usefulness of Tricuspid Annular Plane Systolic Excursion as the Index of Right Ventricular Performance to Detect Low Stroke Index

Kentaro Mukai, Tomofumi Mizuno, Atsushi Watanabe, Hirokazu Wakabayashi, Toru Niwa, Yusuke Nakano, Hirohiko Ando, Katsuhisa Waseda, Hiroaki Takashima, Tetsuya Amano. Aichi Medical University, Nagakute, Japan
Presented by Kentaro Mukai

P1-20: The Impact of Tricuspid Annular Plane Systolic Excursion (TAPSE) to Predict the Effectiveness of Tolvaptan in Patients with Heart Failure

Toru Niwa, Tomofumi Mizuno, Yusuke Nakano, Kentaro Mukai, Hirokazu Wakabayashi, Atsushi Watanabe, Hirohiko Ando, Katsuhisa Waseda, Hiroaki Takashima, Tetsuya Amano. Aichi Medical University, Nagakute, Japan
Presented by Toru Niwa

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Exhibits are located in the Hau/Lehua Room during the dates and hours listed below.

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Wednesday, January 20	6:30 am – 4:00 pm
Thursday, January 21	6:30 am – 12:30 pm
Friday, January 22	6:30 am – 12:00 pm

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