

*2<sup>nd</sup> Annual*  
***Echo Florida:***  
*Contemporary Echocardiography*  
**FINAL PROGRAM**



**October 12 - 15, 2013**

**Disney's Contemporary Resort  
Walt Disney World®, FL**

Comprehensive Review  
of Echocardiography including  
special session on hand held  
echocardiography.

**Course Director:**

**Michael H. Picard, MD, FASE**

Past President, ASE

Massachusetts General Hospital

Professor, Harvard Medical School

Boston, MA

Disney®



Jointly sponsored by ASE and the ASE Foundation

# Welcome Message and Faculty

## Welcome Message

Welcome to our second annual Echo Florida: Contemporary Echocardiography course, an educational offering from the American Society of Echocardiography (ASE). The goal of Echo Florida is to introduce the newest applications of echocardiography, while still reviewing the established uses of our technique. There will be numerous case examples highlighting the use of echocardiography for clinical decision making in your practice.

This course is divided into four sections.

Saturday will be devoted to hand held echocardiographic devices, with brief lectures followed by an afternoon of interactive hands-on training. This session is geared toward those who may not have much experience with these devices and are not necessarily echocardiographers. We have limited enrollment so that we can keep this session intimate and allow everyone sufficient time for hands on use of the equipment.

Sunday through Tuesday is our main course. The lectures will focus on utilization of echocardiography in coronary artery disease, heart failure and valve disease. During the valve disease sessions we will also cover structural heart disease interventions. All attendees will gain greater insight into the role of echocardiography in these new percutaneous interventions, including transcatheter aortic valve replacement and percutaneous mitral valve repair.

In the afternoons we will have 2 simultaneous sessions:

The Learning Lab is a ticketed session on Sunday and Monday afternoons. This will be an intimate environment where attendees will receive hands-on training on quantitative echocardiography, including 3D echocardiography.

For those not participating in the Learning Lab, we will have afternoon case-based workshops. During the afternoons you will see hundreds of actual cases illustrating various clinical scenarios and conundrums where echo helps in the clinical decision making.

New this year! The Monday afternoon session will be dedicated to adult congenital heart disease. This session will be held after Learning Lab is finished so all can attend.

Orlando is a great place to bring your family for fun and entertainment. I hope that Echo Florida will become one of your favorite ASE courses. I welcome your suggestions for future speakers and topics.



I look forward to seeing you here in Orlando at Echo Florida, and please plan to join me at the welcome reception on Monday, October 14th at 5:30 p.m. in the *Exhibit Hall*.

*Michael H. Picard*

## Course Director

**Michael H. Picard, MD, FASE**  
Past President, ASE  
Massachusetts General Hospital  
Professor, Harvard Medical School  
Boston, MA

## Faculty

**Gerard P. Aurigemma, MD, FASE**  
University of Massachusetts, Worcester, MA

**Aaron L. Baggish, MD**  
Massachusetts General Hospital, Boston, MA

**Pamela R. Burgess, RDMS, RDCS, RVT, FASE**  
Wake Forest Baptist Health, Winston-Salem, NC

**Benjamin F. Byrd III, MD, FASE**  
Vanderbilt University Medical Center, Nashville, TN

**Doreen DeFaria-Yeh, MD**  
Massachusetts General Hospital, Boston, MA

**Kathleen M. Garcia, BS, RVT, RDCS (A/P)**  
Wyle Science Technology and Engineering, Houston, TX

**John Gorcsan III, MD, FASE**  
University of Pittsburgh, Pittsburgh, PA

**Rebecca T. Hahn, MD, FASE**  
Columbia University, New York, NY

**Arthur J. Labovitz, MD, FASE**  
University of South Florida, Morsani College of Medicine  
Tampa, FL

**Andrew S. Liteplo, MD**  
Massachusetts General Hospital, Boston, MA

**Marti L. McCulloch, MBA, BS, RDCS, FASE**  
Houston Methodist Hospital, Houston, TX

**Jonathan J. Passeri, MD**  
Massachusetts General Hospital, Boston, MA

**Kirk T. Spencer, MD, FASE**  
University of Chicago, Chicago, IL

**Wendy Tsang, MD**  
University of Toronto, Toronto, ON, Canada

**Rory B. Weiner, MD**  
Massachusetts General Hospital, Boston, MA

**Neil J. Weissman, MD, FASE**  
MedStar Health Research Institute, Georgetown University  
Washington, DC

## Program Overview

The Echo Florida course is a comprehensive review of cardiovascular ultrasound in clinical practice. The faculty is composed of experts who will discuss the strengths and limitations of established and emerging technologies and illustrate how these technologies can be used to improve and streamline patient care in a cost-conscious manner.

## Target Audience

This course is designed for adult and pediatric cardiologists, cardiovascular surgeons, cardiovascular anesthesiologists, cardiac radiologists, fellows in training, cardiovascular sonographers, cardiovascular nurse specialists, internists, intensivists, and emergency physicians with special interest in clinical cardiology and echocardiography.

## Course Highlights

There is heavy emphasis on case-based learning. Topics include:

- Coronary artery disease including stress testing
- Valvular heart disease
- Heart failure (systolic and diastolic) and cardiomyopathy
- Emerging technologies including contrast and 3D/4D echocardiography
- Complex congenital heart disease
- Case-based demonstrations on role of 2D and real time 3D/4D echocardiography to select, guide, and follow percutaneous structural heart disease interventions such as transcatheter aortic valve replacement and percutaneous mitral valve repair

## Learning Objectives

### Point of Care / Focused Echocardiography Symposium (Preconference)

Upon completion of these sessions, participants will be better able to:

1. Identify established roles for point of care echocardiography
2. Perform the critical components of a point of care echocardiogram.

### Learning Lab

Upon completion of these sessions, participants will be better able to:

1. Apply ASE guidelines during echocardiography interpretation.
2. Demonstrate ability to crop and display 3D echocardiographic data sets.

## Main Conference

Upon completion of these sessions, participants will be better able to:

1. Analyze and quantify systolic and diastolic function by echocardiography.
2. Recognize indications for echocardiographic contrast agents.
3. Interpret stress echocardiograms.
4. Appropriately utilize echocardiography in infective endocarditis.
5. Quantify valvular regurgitation.
6. Classify cardiomyopathies by echocardiography.
7. Identify eligible patients for Transcatheter Aortic Valve Replacement (TAVR).
8. Recognize and assess the function of percutaneous cardiac devices by echocardiography.
9. Recognize echocardiographic features of common complex congenital lesions found in adults.

## 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 12 of this program.

# Program Information

## 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 ASE 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*<sup>™</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

ASE designates the Learning Lab for a maximum of 6.5 hours, the Point of Care/Focused Echocardiography Symposium for a maximum of 6.25 hours, and a maximum of 20.75 hours for the Main Conference. Attendees must have registered for the Learning Lab and Point of Care/Focused Echocardiography Symposium to claim full credit.

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

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.

## Commercial Support Disclosure Statement

**Educational Grants:** This activity is supported in part by unrestricted grants from GE Healthcare and St. Jude Medical.

**In-Kind Donations:** This activity is supported in part by in-kind donations of devices or software from Digisonics (software), GE Healthcare (device and software), and Siemens Healthcare (device).



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in Orlando, FL

 **NETWORK**  
with other attendees in a  
secured online community  
[Connect.asecho.org](http://Connect.asecho.org)  
Directory > My Communities > Echo Florida

 **TWEET**  
your take-away thoughts  
#EchoFlorida

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# Attendee Information and Regulations

## Registration Location and Hours

Attendee registration is located at the American Level Registration Desk, located on the second floor of the hotel.

Friday, October 11, 2013 . . . . . 4:00 pm – 6:00 pm

Saturday, October 12, 2013. . . . . 6:30 am – 3:30 pm

Sunday, October 13, 2013 . . . . . 6:30 am – 5:00 pm

Monday, October 14, 2013. . . . . 6:30 am – 5:30 pm

Tuesday, October 15, 2013 . . . . . 6:30 am – 4:30 pm

## How to Obtain Credit

To claim your CME for Echo Florida, 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 **November 15, 2013**.

1. **ASE Members:** Go to [www.asecho.org](http://www.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 [www.aseuniversity.org](http://www.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 "**FLORIDA2013**."
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 continental breakfast and coffee breaks for all registered attendees in the Grand Ballroom. Please refer to the program schedule beginning on page 7 for the times of the continental breakfast and daily coffee breaks.

ASE will provide lunch to all registered Point of Care attendees on Saturday, October 12th in the Grand Ballroom. Boxed lunches will be provided for all registered Learning Lab Attendees on Sunday, October 13th and Monday, October 14th outside the Fantasia Room. Lunch will be provided to all registered attendees on Tuesday, October 15th in the Grand Ballroom.

Disney's Contemporary Resort offers their guests a variety of dining options. Please see page 6 for more details.

## Welcome Reception

ASE cordially invites you to the 2nd Annual Echo Florida Attendee Reception on Monday evening, October 14th from 5:30 pm – 6:30pm in the Grand Ballroom. This is a great opportunity to network with faculty and fellow attendees, while visiting exhibitors.

## Internet Access

There is complimentary wireless internet in the foyer space of Disney's Contemporary Resort. Attendees of this course also receive complimentary wireless internet in their guest rooms.

## Business Center

The Ricoh Business Center is located within the hotel on the 1st floor of the convention center. It offers self-service computers, printers, fax, copier, shipping services and more.

Monday – Sunday . . . . . 7:00 am – 7:00 pm

For more information and pricing, please contact the Ricoh Business Center directly by phone 407-824-1780 or by e-mail at [cr@ricohbusinesscenters.com](mailto:cr@ricohbusinesscenters.com)

## 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 ASE Echo Florida Course, 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. 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 ASE Echo Florida Course, 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.

# Location Information

## Disney's Contemporary Resort

**Overview:** Rising majestically between the shores of Bay Lake and Seven Seas Lagoon, Disney's Contemporary Resort immerses you in a world of modern art and landmark architecture as sleek monorails silently glide through the center of the stunning atrium lobby. You'll enjoy the distinctive style of oversized guest rooms and suites, most with dramatic lakefront or Theme Park views, along with a marina, health club and an expansive pool area. For a truly memorable dining experience, the award-winning California Grill offers breathtaking views of Cinderella Castle from high atop the hotel. And, you're just a short stroll or monorail ride away from all the sights and sounds of the *Magic Kingdom*<sup>®</sup> Park and *Epcot*<sup>®</sup>.

**Special Features:** Watercraft rentals; water-skiing; fitness center; feature pool area plus one quiet pool and Jacuzzi<sup>®</sup>; beach volleyball; business center; wireless internet (Wi-Fi) access throughout the convention center and lobby common areas; in-room high speed internet access; walking distance to *Magic Kingdom*<sup>®</sup> Park with monorail service to *Magic Kingdom*<sup>®</sup> Park and *Epcot*<sup>®</sup>; access to championship golf courses.

## Dining Locations at Disney's Contemporary Resort

There are many dining options available at the Contemporary Resort. You will find a variety of styles and price ranges to suit your tastes. Many other options are available on the Walt Disney World Resort via monorail, ferry or a short bus ride.

**Chef Mickey's** – Chef Mickey and Pals host buffet-style breakfasts and dinners. Select from favorites, like Mickey-shaped waffles, while watching the monorail whisk by overhead.

**The Wave ... of American Flavors** – Experience the transition from “day” to “night” in this casual restaurant with such atmosphere! The menu features fresh American and world flavors, and trendy cocktails.

**Contempo Café** – Wave at the passing monorail while you order on touch-screen kiosks. Menu items include flavorful flatbreads and hot and savory sandwiches, like honey lime chicken.

**Contemporary Grounds** – This coffee bar serves gourmet coffee drinks, smoothies, beer, wine and specialty liquors.

**California Grill** – Match a spectacular view across Magic Kingdom theme park with the height of Pacific Coast cuisine, such as sushi, Sonoma goat cheese ravioli and oak-fired pork tenderloin.

**California Grill Lounge** – Located adjacent to the award-winning California Grill, the California Grill Lounge offers an assortment of cocktails, appetizers and desserts for dinner.

**Cove Bar** – Near the Bay Cove Pool, Cove Bar offers light snacks and drinks.

**The Sand Bar** – Located poolside, the Sand Bar is a counter-service eatery and bar that serves up various meals and snacks for the entire family, including hamburgers and ice cream.

**Outer Rim** – Sip your favorite cocktail at this full-service bar and lounge that looks across Bay Lake.

## Disney Resort Benefits

As a Disney Resort Guest, you'll enjoy special benefits that make your *Walt Disney World*<sup>®</sup> stay easier and more relaxing than ever. These benefits provide everything from extra time in the Theme Parks and convenient transportation to more magic all around.

**Convenient *Walt Disney World*<sup>®</sup> Resort Transportation** – If you're arriving by air at Orlando International Airport, Disney's legendary service starts the moment you touch down and continues throughout your stay.

***Disney's Magical Express*<sup>®</sup> Transportation** – Take advantage of the latest innovation in Disney's legendary commitment to service and convenience. This exclusive complimentary shuttle and luggage delivery service conveniently takes you from the airport directly to your *Walt Disney World*<sup>®</sup> Resort and back again when it's time to return. It's the hassle-free benefit that allows you to arrive at your meeting or event relaxed and stress-free. To book, call 407-827-6777 or visit [www.DisneyConventionEars.com/dme](http://www.DisneyConventionEars.com/dme) for more information.

**Let us take you where you want to go** – During your stay, enjoy the convenience of Disney transportation throughout the *Walt Disney World*<sup>®</sup> Resort. Just steps from your door, boats and motor coaches are waiting to take you to and from the Theme Parks, Water Parks, the *Downtown Disney*<sup>®</sup> Resort area and more.

**Enhanced! *Extra Magic Hours* Benefit** – Each day one of the Theme Parks opens an hour early or stays open up to three hours after regular Park hours for guests staying at select Disney Resorts, giving you even more time to enjoy select attractions before and after your meetings. This is a great way for you to maximize the value of your Disney Theme Park Tickets based around your schedule! *Valid Theme Park admission and Walt Disney World*<sup>®</sup> Resort *MagicBand* are required.

**Incredible Disney Service** – Disney Cast Members are here to make your stay as easy and worry-free as possible with helpful tips and recommendations. You can even charge meals and merchandise right to your room with your *Walt Disney World*<sup>®</sup> Resort *MagicBand*.

# Schedule of Events

## SATURDAY, OCTOBER 12, 2013

Point of Care / Focused Echocardiography Symposium  
Location: Ballroom of the Americas

7:30 am Continental Breakfast and Visit Exhibits

### Point of Care Basics

8:00 am **Indications for Point of Care Echocardiography**  
*A. Labovitz*

8:20 am **Basic Ultrasound Physics You Should Know**  
*K. Spencer*

8:50 am **The Views for Point of Care Echocardiography**  
*A. Liteplo*

9:10 am **Imaging Tips for the FAST Exam**  
*K. Garcia*

### Point of Care Echo Protocols

9:30 am **LV/RV Size and Function**  
*K. Spencer*

10:00 am Refreshment Break and Visit Exhibits

10:15 am **Cardiac Tamponade**  
*A. Liteplo*

10:45 am **Volume Status, Inferior Vena Cava Imaging**  
*K. Spencer*

11:00 am **Non-Cardiac Imaging: Chest Trauma, Pneumonia, Septic Shock**  
*A. Liteplo*

11:30 am **Question and Answer**

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

### Point of Care Hands On Training

1:00 pm **Hands On Training** (each participant will go through the following protocols)

**Parasternal**  
*M. McCulloch*

**Subcostal**  
*P. Burgess*

**Apical**  
*M. Picard*

**IVC and Other Vessels**  
*K. Spencer*

**Lung and Other Non-Cardiac**  
*A. Liteplo, K. Garcia*

3:30 pm **Adjourn**

## SUNDAY, OCTOBER 13, 2013

General Echocardiography  
Location: Ballroom of the Americas

7:00 am Continental Breakfast and Visit Exhibits

7:45 am **Welcome and Introduction**  
*M. Picard*

8:00 am **President's Address**  
*B. Byrd*

8:15 am **IV Systolic Function: How to Measure, How Reproducible, Role of Contrast**  
*N. Weissman*

8:45 am **Diastolic Function: A Simple Algorithm**  
*G. Aurigemma*

9:15 am **Prosthetic Valves: Echo Assessments**  
*M. Picard*

9:40 am **Contrast Echo: Cases Illustrating Its Value in Clinical Practice**  
*K. Spencer*

10:00 am Refreshment Break and Visit Exhibits

10:30 am **Strain, Strain Rate, Torsion: What are They and When Should We Use Them?**  
*J. Gorcsan*

10:50 am **MI Complications: Echo in the Critically Ill**  
*N. Weissman*

11:10 am **Stress Echo: Basics and Interpretation Tips**  
*M. Picard*

11:35 am **Echo for Source of Embolus**  
*A. Labovitz*

12:00 pm **Question and Answer**

12:15 pm **Adjourn**

Learning Lab (Preregistration required)  
Location: Fantasia EF

1:15 pm **Welcome and Orientation**  
*M. Picard, M. McCulloch*

1:30 pm **Basic Measurements: LV Dimensions, LV Volume, Ejection Fraction, LA Volume, Mitral Valve, Planimetry**  
*K. Spencer, P. Burgess*

2:30 pm **Basic Doppler: AS Continuity, MS PHT, Stroke Volume, CO, RVSP**  
*A. Labovitz, M. McCulloch*

3:30 pm **Refreshment Break**

3:45 pm **Diastolic Function**  
*G. Aurigemma, K. Garcia*

4:30 pm **MR Quantitation: Vena Contracta, PISA**  
*R. Hahn, P. Burgess*

5:15 pm **RV**  
*M. Picard*

5:45 pm **Adjourn**

Afternoon Workshop (open to all attendees)  
Location: Ballroom of the Americas

2:00 pm **Stress Echo Cases: Are You as Good as the Experts?**  
*M. Picard, G. Aurigemma, N. Weissman, B. Byrd*

3:00 pm **Refreshment Break and Visit Exhibits**

3:30 pm **Cases: Echo in the Critically Ill**  
*M. Picard, J. Gorcsan*

# Schedule of Events

4:15 pm	<b>Cardiac Tumors</b> <i>J. Passeri</i>
4:45 pm	<b>Question and Answer</b>
5:00 pm	<b>Adjourn</b>

## MONDAY, OCTOBER 14, 2013

**Valvular Heart Disease**  
*Location: Ballroom of the Americas*

7:00 am	<b>Continental Breakfast and Visit Exhibits</b>
7:45 am	<b>Aortic Stenosis: Epidemiology and Natural History</b> <i>J. Passeri</i>
8:05 am	<b>Standard Echo Assessment of Aortic Stenosis and Potential Pitfalls</b> <i>N. Weissman</i>

### Challenging Aortic Stenosis Cases

8:25 am	<b>Low Gradient, Low AVA, Decreased LV Function – Real or Pseudo AS?</b> <i>A. Baggish</i>
8:45 am	<b>Low Gradient, Low AVA, Normal LV Function-Paradoxical Findings?</b> <i>M. Picard</i>
9:00 am	<b>Mimicer of AS - Subvalvular Stenosis (That is Not HOCM)</b> <i>D. DeFaria-Yeh</i>

### Three-Dimensional Echo

9:15 am	<b>3D Echo Basics: Acquisition, Cropping and Display</b> <i>W. Tsang</i>
9:45 am	<b>Refreshment Break and Visit Exhibits</b>

### Transcatheter AV Replacement (TAVR)

10:15 am	<b>Current and Future Devices: How Do They Work, Eligibility, Review of Data</b> <i>J. Passeri</i>
10:45 am	<b>Procedure Guidance by Echo</b> <i>R. Hahn</i>
11:15 am	<b>Cases: Guidance of Transcatheter Interventions: TAVR, MV Clip, LA Appendage Interventions, ASD Closure</b> <i>J. Passeri, R. Hahn</i>
12:00 pm	<b>Question and Answer</b>
12:30 pm	<b>Adjourn</b>

### Learning Lab (Preregistration required)

*Location: Fantasia EF*

1:15 pm	<b>3D Echo: Cropping, Quantifying Volume, Depicting Pathologies</b> <i>M. McCulloch, W. Tsang</i>
2:15 pm	<b>Strain and Torsion</b> <i>J. Gorcsan, A. Baggish</i>
2:45 pm	<b>Refreshment Break</b>
3:00 pm	<b>Final Exam: Review, Measure, Interpret the Case and Prepare a Full Report</b> <i>M. Picard, M. McCulloch, P. Burgess</i>
3:45 pm	<b>Adjourn</b>

### Afternoon Workshop (open to all attendees)

*Location: Ballroom of the Americas*

2:00 pm	<b>TEE: How to do a Comprehensive Exam</b> <i>R. Hahn</i>
2:20 pm	<b>Management of Asymptomatic and Symptomatic MR and AR</b> <i>G. Aurigemma</i>
2:50 pm	<b>3D Echo - Cases Illustrating Clinical Roles</b> <i>W. Tsang</i>
3:10 pm	<b>Appropriateness Criteria for Echocardiography</b> <i>R. Weiner</i>
3:30 pm	<b>Refreshment Break and Visit Exhibits</b>
4:00 pm	<b>Congenital Heart Disease in the Adult</b> <i>D. DeFaria-Yeh</i> – Common Complex Congenital Lesions in the Adult – Review of the Various Operations You Will Encounter – Assessing Patients After Repair for Congenital Lesions
5:30 pm	<b>Welcome Reception in the Exhibit Hall</b>

## TUESDAY, OCTOBER 15, 2013

**Valvular Heart Disease (continued)**  
*Location: Ballroom of the Americas*

7:00 am	<b>Continental Breakfast and Visit Exhibits</b>
7:00 am	<b>Chalk Talk with Master Teachers: A small group session with some of cardiology's best educators</b> <i>G. Aurigemma, R. Hahn</i> <i>Location: Grand Ballroom</i>
7:45 am	<b>Mitral Regurgitation – Assessing Etiology and Quantifying Severity</b> <i>R. Hahn</i>
8:05 am	<b>Ischemic MR</b> <i>M. Picard</i>
8:25 am	<b>Percutaneous MV Repair</b> <i>R. Hahn</i>
8:50 am	<b>Infectious Endocarditis</b> <i>R. Weiner</i>
9:10 am	<b>Interesting Valve Disease Cases</b> <i>R. Weiner, W. Tsang</i>
9:30 am	<b>Refreshment Break and Visit Exhibits</b>

### Heart Failure

10:00 am	<b>Hypertrophic Cardiomyopathy – What's New?</b> <i>A. Baggish</i>
10:20 am	<b>Restrictive and Infiltrative Cardiomyopathy: Recognition by Echo</b> <i>G. Aurigemma</i>
10:40 am	<b>Heart Failure with Preserved EF – Why the Fuss?</b> <i>R. Weiner</i>
11:00 am	<b>Chemotherapy Cardiotoxicity: Can Echo Help?</b> <i>M. Picard</i>
11:20 am	<b>Athlete's Heart: Can You Differentiate it from Cardiomyopathy?</b> <i>A. Baggish</i>
11:40 am	<b>Role of Echo for Heart Failure Prognosis</b> <i>J. Gorcsan</i>
12:05 pm	<b>Question and Answer</b>
12:15 pm	<b>Lunch and Visit Exhibits</b>



# Schedule of Events

## Heart Failure (continued)

1:15 pm **Advanced Heart Failure and CRT – What is the Role of Echo?**  
*J. Gorcsan*

## Miscellaneous Topics in Cardiac Imaging

1:50 pm **Pericardial Disease – Tamponade and Constriction**  
*R. Weiner*

2:20 pm **Acute Aortic Syndromes**  
*M. Picard*

2:50 pm **Refreshment Break and Visit Exhibits**

3:10 pm **Stress Echo in Dyspnea – Diastolic Function, Valve Disease**  
*M. Picard*

3:30 pm **Cases You Won't Forget**  
*J. Gorcsan, M. Picard*

4:15 pm **Question and Answer**

4:30 pm **Adjourn**

*See you next year at the  
3rd Annual Echo Florida!*

*October 11 – 14, 2014*

*Disney's Grand Floridian Resort*

*Walt Disney World®, FL*



**ASE** Foundation

**2013 ANNUAL APPEAL**  
Making a  WORLD of Difference



Please help us raise  
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investigator's attendance to the  
2014 Scientific Sessions  
in Portland, Oregon!

*"I would not have been able to attend  
without this grant. I look forward to  
meeting experienced professionals  
and learning from the best in the  
industry!"*

*April Lloyd  
2011 Travel Grant Recipient*



Make your contribution at the  
ASE booth or online at  
[www.asefoundation.org/donate](http://www.asefoundation.org/donate)

# Exhibit Information

## Exhibit Location and Hours (as of September 30, 2013)

Exhibits are located in the Grand Republic Ballroom during the dates and hours listed below:

Saturday, October 12.....	7:30 am - 8:00 am 10:00 am - 10:15 am 12:00 pm - 1:00 pm
Sunday, October 13.....	7:00 am - 7:45 am 10:00 am - 10:30 am 3:00 pm - 3:30 pm
Monday, October 14.....	7:00 am - 7:45 pm 9:45 am - 10:15 am 3:30 pm - 4:00 pm 5:30 pm - 6:30 pm
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