15th Diastology and New Echo Technologies Summit

Featuring Heart Valve and Contrast Echo Mini-Symposium: Role in Clinical Decision Making

February 22 – 25, 2012
Harbor Beach Marriott | Fort Lauderdale, Florida

Key Topics

Diastology
- Basic and Advanced Diastology
- Tissue Doppler Imaging and Strain
- Constriction vs Restriction
- Diastology Guidelines Debate

Heart Valve Disease
- State-of-the-Art Imaging in Valvular Heart Disease
- Quantification of Valvular Regurgitation
- Aortic Valve and Aorta
- Transaortic Valve Replacement Debate

New Echocardiography Technologies
- Real Time 3-D TTE and TEE
- Muscle Mechanics
- Interventional Echo
- New Anticoagulants and LAA Closure in Afb

Contrast Echocardiography
- Black Box Warning and Safety
- ASE Guidelines
- LVO, EBD, and Stress Echo and Beyond
- Myocardial Perfusion Debate

NEW THIS YEAR
Sonographer Workshops and Poster Session

CALL FOR ABSTRACTS
Clinical and Research Abstracts for original work are being accepted for the poster session.

Register today at:
www.ccfcme.org/echo12
Overview

Cleveland Clinic’s 15th Diastology and New Echo Technologies Summit: Featuring Heart Valve and Contrast Echo Mini Symposium provides a unique opportunity for attendees to interact with key opinion leaders and receive updates in Diastology, heart valve disease, new and emerging echo technologies, and contrast echocardiography. The Summit will be held February 22-25, 2012, at the Harbor Beach Marriott, Fort Lauderdale, Florida.

The Summit is divided into the following four parts.

Diastology will present a state-of-the-art summit on new advances in diastolic heart failure including new guidelines, epidemiology, clinical diagnostic approaches, specific diseases and effects of therapy of diastolic heart failure, hemodynamic monitoring as well as clinical trials.

Heart Valve Disease will present a state-of-the-art mini symposium on new advances in valvular heart disease including epidemiology, clinical diagnostic approaches to mitral, tricuspid, and aortic regurgitation and aortic stenosis as well as new approaches to valve repair including robotics and percutaneous and transcatheter techniques. An emphasis on the TAVR program at Cleveland Clinic will be discussed.

New Echo Technologies will highlight new and emerging applications in 3-D and 4-D echo, real time 3-D TEE, 2-D strain, stress echo, cardiac resynchronization/LVAD treatments in heart failure, and interventional echo.

Contrast Echocardiography will present a state-of-the-art mini symposium on the basic principles of contrast echo, rest and stress LVO and EBD, myocardial perfusion and analyze new research applications. Safety issues and clinical trials will also be discussed.

In addition, the Summit will feature important controversies and interactive workshops for each of these topics. Diastology and Heart Valve Disease will incorporate “Read-with-the-Experts” sessions through case presentations and a basic sonographer tutorial. New Echo Technologies will include 3-D echo, strain and CRT cases as well as a basic sonographer tutorial. Contrast Echocardiography will have a “Read-with-the-Experts” session on LVO, EBD and myocardial perfusion.

Target Audience

Designed for cardiologists, cardiac surgeons, anesthesiologists, sonographers, nurses, fellows, and other healthcare professionals interested in diastology, heart valve disease, new echo technologies, and contrast echo.

Learning Objectives

After completing this activity, the participant will be able to do the following:

Diastology

- Describe epidemiology and physiology of diastolic function
- Discuss basic and advanced Doppler approaches of diastolic function
- Discuss the technique for performing diastolic function by sonographers
- Discuss impaired diastolic function in various diseases
- Discuss the therapy of diastolic dysfunction
- Discuss new diastology guidelines

Heart Valve Disease

- Describe state-of-the-art imaging in valvular heart disease
- Describe natural history of mitral/aortic regurgitation and when to treat medically or surgically
- Discuss Doppler quantitative approaches to mitral/aortic regurgitation
- Describe mechanisms and treatment of ischemic mitral regurgitation
- Discuss surgical mitral and tricuspid valve repair
- Describe transcatheter approaches

New Echocardiography Technologies

- Describe the role of 3-D and RT TEE in clinical practice
- Discuss LV and RV and LA mechanics
- Discuss the role of echo in CRT/LVADs
- Describe how to perform 3-D, CRT, strain and strain rate imaging by a sonographer
- Discuss role of interventional echo, and echo in atrial fibrillation and ablation

Contrast Echocardiography

- Discuss the state-of-the-art of contrast echocardiography including safety
- Describe the basics of contrast echocardiography
- Discuss approach to performing LVO
- Discuss role of contrast echo in the ICU and stress echo
- Discuss how to read a myocardial perfusion exam
- Discuss new research developments with contrast echo
Summit Director

Allan L. Klein, MD, FRCP(C), FACC, FAHA, FASE
Professor of Medicine
Director, Cardiovascular Imaging Research
Director, Pericardial Center
Department of Cardiovascular Medicine
Heart and Vascular Institute
Cleveland Clinic
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Staff Cardiologist
Department of Cardiovascular Medicine
Cleveland Clinic Florida
Weston, FL

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Cleveland Clinic Florida Faculty

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Weston, FL

Guest Faculty

Christopher P. Appleton, MD, FACC, FASE
Consultant Cardiovascular Diseases
Mayo Medical School Professor of Medicine
Mayo Clinic Scottsdale
Scottsdale, AZ

Guest Faculty cont.

Judy W. Hung, MD, FACC, FASE
Associate Professor of Medicine
Associate Physician in Medicine
Massachusetts General Hospital
Boston, MA

Itzhak Kronzon, MD, FASE
Professor of Medicine
Associate Chairman of Cardiovascular Medicine
Director of Cardiac Imaging
Lenox Hill Heart and Vascular Institute of New York
New York, NY

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Professor and Associate Chief for Education
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Cleveland Clinic Faculty

Department of Cardiovascular Medicine
Heart and Vascular Institute

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Staff Cardiologist

Juan Carlos Plana, MD, FACC
Staff Cardiologist

L. Leonardo Rodriguez, MD, FACC
Program Director, Advanced Imaging Fellowship
Staff Cardiologist

William J. Stewart, MD, FACC, FASE
Professor of Medicine
Director, Cardiovascular Curriculum of Cleveland Clinic
Lerner College of Medicine
Staff Cardiologist

Lars G. Svensson, MD, PhD
Director, Aorta Center
Marfan and Connective Tissue Disorder Clinic
Director, Quality for Department of Thoracic and Cardiovascular Surgery and Affiliate Cardiac Surgery Programs
Professor of Surgery, Thoracic and Cardiovascular Surgery

Jill A. Odabashian, RDCS, FASE
Cardiovascular Imaging Research/Clinical Sonographer
C5Research Imaging Core Lab
Wednesday, February 22 – Diastology

6:15 am Registration, Continental Breakfast, and Exhibits
6:30 am Early Bird Special Diastology Cases (optional)
Juan Carlos Plana, MD

Session 1: Epidemiology, Pathophysiology and Basic Diastology
Moderators: Allan L. Klein, MD and Christopher P. Appleton, MD
Christopher P. Appleton, MD
7:35 am Epidemiology and Natural History of Diastolic Dysfunction
Allan L. Klein, MD
7:55 am Pathophysiology of Diastolic Dysfunction
James D. Thomas, MD
8:15 am Relax! Basic Diastology: Which Parameters Do We Use and Report in Clinical Practice?
Christopher P. Appleton, MD

Session 2: Practical Techniques, Filling Pressures and New Tools
Moderators: Jill A. Odabashian, RDGS and Juan Carlos Plana, MD
8:35 am Sonographer Session: How to Perform a First Rate Diastology Exam
Jill A. Odabashian, RDGS
8:55 am Get Nervous! Advanced Diastology: Estimation of LV Filling Pressures: What Additional Parameters Do We Need?
Juan Carlos Plana, MD
9:15 am Panel Discussion and Questions
9:35 am Refreshment Break and Exhibits

Session 3: Clinical Approaches to Diseases with Diastolic Dysfunction
Moderators: W. H. Wilson Tang, MD and Craig R. Asher, MD
10:00 am Diastolic Dysfunction in Pericardial Diseases
Allan L. Klein, MD
10:20 am Diastolic Dysfunction in Myocardial Diseases and CAD
Craig R. Asher, MD
10:40 am Targeting Diastolic Dysfunction as Therapy: What Have We Learned from Clinical Trials?
W. H. Wilson Tang, MD

Thursday, February 23 – Heart Valve Disease Summit

6:15 am Continental Breakfast
6:30 am Early Bird Special Valve Cases (optional)
L. Leonardo Rodriguez, MD

Session 1: Mitral and Tricuspid Valve Disease
Moderators: Allan L. Klein, MD and Judy W. Hung, MD
7:15 am Keynote Address: State-of-the-Art of Imaging in Valvular Heart Disease 2012: Strengths and Weaknesses
Judy W. Hung, MD
7:35 am Epidemiology of Mitral Valve Regurgitation: When Do We Intervene? Medicine or Surgery or Percutaneous?
William J. Stewart, MD
7:55 am Quantification of Mitral and Tricuspid Regurgitation: From Basics to Advanced Measurements: Role of 3-D?
Itzhak Kronzon, MD
8:15 am Ischemic/Functional Mitral Regurgitation: Mechanism, Treatment and New Trials
Judy W. Hung, MD
8:35 am Mitral Valve Repair and TV Repair: What is New? Role of Robotic Surgery?
Lars G. Svensson, MD, PhD
8:55 am Panel Discussion and Questions
9:15 am Refreshment Break and Exhibits

Session 2: Aortic Valve Disease and Percutaneous and Transcatheter Techniques
Moderators: Itzhak Kronzon, MD and Lars G. Svensson, MD, PhD
9:40 am Aortic Stenosis: Low Flow/Low Gradient Aortic Stenosis? Asymptomatic Aortic Stenosis? When Do We Operate?
Gian M. Novaro, MD
10:00 am Epidemiology of Aortic Valve Regurgitation: When Do We Intervene? Medicine or Surgery or Percutaneous?
William J. Stewart, MD
10:20 am Quantification of Aortic Regurgitation: From Basics to Advanced Measurements: Role of 3-D?
James D. Thomas, MD
10:40 am New Advances in Aortic Valve and Aorta Surgery
Lars G. Svensson, MD, PhD

Session 4: Diastology Guidelines: Controversies
Moderators: James D. Thomas, MD and Deborah A. Agler, RDGS
11:00 am Debate Side 1 (Pro) – New Diastology Guidelines are Useful in Clinical Decision Making – Christopher P. Appleton, MD
11:20 am Debate Side 2 (Con) – L. Leonardo Rodriguez, MD
11:40 am Rebuttal – Christopher P. Appleton, MD
11:50 am Rebuttal – L. Leonardo Rodriguez, MD
12:00 pm Break

12:10 – 1:25 pm Breakout Workshops (concurrent) Choose A or B

A. Diastolic Function Exam Cases
“Read-with-the-Experts” session provides the opportunity to interpret diastology exams in a case-based format.

Hypertrophic Cardiomyopathy – Craig R. Asher, MD, Coordinator
Hypertension – Wael AlJaroudi, MD
Aortic Stenosis – William J. Stewart, MD
Constriction vs Restriction – Juan Carlos Plana, MD
Diastology Discrepancies – James D. Thomas, MD
Diastology Stress Test – L. Leonardo Rodriguez, MD

B. Diastology 101 Tutorial
“How To” session on how to evaluate and interpret diastolic examinations in a case-based format.

Jill A. Odabashian, RDGS, Coordinator
Is it Normal? Is it Pseudonormal?
How to Evaluate It – Deborah A. Agler, RDGS
How to Interpret It – Gian M. Novaro, MD
Is it Constriction? Is it Restriction?
How to Evaluate It – Jill A. Odabashian, RDGS
Constriction: How to Interpret It – Allan L. Klein, MD
Restriction: How to Interpret It – W. H. Wilson Tang, MD

New Diastology Recommendations
Putting it all Together for Sonographers – Christopher P. Appleton, MD

Session 3: Percutaneous and Transcatheter Techniques for Aortic Valve Disease: Controversies
Moderators: William J. Stewart, MD and Christopher P. Appleton, MD
11:00 am Debate Side 1 (Pro) – TAVR Will Replace Traditional AVR in High Risk Aortic Stenosis Patients – Judy W. Hung, MD
11:20 am Debate Side 2 (Con) – Lars G. Svensson, MD, PhD
11:40 am Rebuttal – Judy W. Hung, MD
11:50 am Rebuttal – Lars G. Svensson, MD, PhD
12:00 pm Refreshment Break and Exhibits

12:10 – 1:25 pm Breakout Workshops (concurrent) Choose C or D

C. Heart Valve Disease Cases
“Read-with-the-Experts” session provides the opportunity to interpret valve disease exams in a case-based format.

Ischemic Mitral Regurgitation – William J. Stewart, MD, Coordinator
Prosthetic Valve Dysfunction – Judy W. Hung, MD
Aortic Regurgitation – Wael AlJaroudi, MD
Low Pressure Aortic Stenosis – Craig R. Asher, MD
TAVR Case – Lars G. Svensson, MD, PhD
Tricuspid Regurgitation – Allan L. Klein, MD
Paravalvular MR – Christopher P. Appleton, MD

D. Heart Valve 101 – “How To” Session Tutorial
“How To” tutorials provides the opportunity to evaluate and interpret heart valve examinations in a case-based format.

Jill A. Odabashian, RDGS, Coordinator
How Much MS? How Much MR?
How to Evaluate It – Deborah A. Agler, RDGS
How to Interpret It – James D. Thomas, MD
How Much A5? How Much AR?
How to Evaluate It – Jill A. Odabashian, RDGS
How to Interpret It – Itzhak Kronzon, MD
How Much TR? How Much TR?
How to Evaluate It – Deborah A. Agler, RDGS
How to Interpret It – L. Leonardo Rodriguez, MD

Prosthetic Valve Dysfunction
How to Evaluate It – Jill A. Odabashian, RDGS
How to Interpret It – Joan Carlos Plana, MD
Friday, February 24 – New Echocardiography Technologies

6:15 am Continental Breakfast and Exhibits
6:30 am Early Bird Special New Echo Technologies Cases (Cases optional) Wael Al Jaroudi, MD

Session 1: 3-D Echo and Real Time TEE
Moderators: Allan L. Klein, MD and Itzhak Kronzon, MD
7:15 am Keynote Address: State-of-the-Art Assessment of LV Function with New Echocardiography Technologies in 2012: Strengths and Weaknesses
Itzhak Kronzon, MD
7:35 am 3-D and 4-D Echo: Clinical Applications? Work Flow Implications in Daily Practice James D. Thomas, MD
7:55 am Real-Time Transesophageal 3D Echocardiography: What Does It Add for the Clinician? Judy D. Hung, MD
8:15 am Performing a 3-D Echo Examination: A Practical Approach for Sonographers Deborah A. Agler, RDMS

Session 2: Muscle Mechanics
Moderators: Craig R. Asher, MD and Judy W. Hung, MD
8:35 am 2-D Strain for Cardiac Function: Clinical Use? Does it Have Prognostic Value? Juan Carlos Plana, MD
8:55 am LV/RV/LA Mechanics for the Sonographer: Tips and Techniques Deborah A. Agler, RDMS
9:15 am Role of Echo in Heart Failure: CRT, LVAD's: What is the Future? W. H. Wilson Tang, MD
9:35 am Panel Discussion and Questions
9:55 am Refreshment Break and Exhibits

Session 3: Atrial Fibrillation and Interventional Echo
Moderators: Gian M. Novaro, MD and L. Leonardo Rodriguez, MD
10:20 am Role of Echo in Atrial Fibrillation: Role in PV Ablation and LAA Closure and New Anticoagulants Allan L. Klein, MD
10:40 am Echo Guidance of Structural Heart Disease Interventions: What is the Future? Itzhak Kronzon, MD

12:10 – 1:25 pm Breakout Workshops (concurrent) Choose E or F

E. New Echo Technologies: 3-D, CRT and Strain, TEE and Stress Echo, Atrial Fibrillation
“Read-with-the-Experts” session provides the opportunity to interpret new echo technology exams in a case-based format.

Cardio-Oncology Case – Juan Carlos Plana, MD, Coordinator Evaluation of the Right Heart – Judy W. Hung, MD Viability Using Echo vs Nuclear Techniques – Wael Al Jaroudi, MD LA Function in PVI Patients – Allan L. Klein, MD Adult Congenital Heart Disease – L. Leonardo Rodriguez, MD New Contrast Applications – Jonathan R. Lindner, MD

F. New Echo Technologies 101
“How To” session provides the opportunity to evaluate and interpret exams using new echo technologies in a case-based format.
Deborah A. Agler, RDMS, and James D. Thomas, MD, Coordinators
How to Incorporate 3D/4D Echo Into Your Laboratory
How to Evaluate It – Deborah A. Agler, RDMS
How to Interpret It – James D. Thomas, MD

Left Atrial Fibrillation
How to Evaluate It – Jenn A. Odabashian, RDMS
How to Interpret It – Craig R. Asher, MD
How to Apply the New Guidelines to RF Function and Mechanics
How to Evaluate It – Deborah A. Agler, RDMS
How to Interpret It – W. H. Wilson Tang, MD
Incorporating Contrast Echo Into Your Laboratory
How to Evaluate It – Jill A. Odabashian, RDMS
How to Interpret It – Flordeliza S. Villanueva, MD

7:00 pm Poster Presentations and Reception

Saturday, February 25 – Contrast Echocardiography

6:15 am Continental Breakfast
6:30 am Early Bird Special Contrast Echo Cases (optional) Jonathan R. Lindner, MD

Session 1: Contrast Basics, Physics and Imaging Modalities
Moderators: Allan L. Klein, MD and Flordeliza S. Villanueva, MD
7:15 am Keynote Address: State-of-the-Art of Contrast Echo 2012: Safety Issues, Strengths and Weaknesses Flordeliza S. Villanueva, MD
7:35 am Basics of Contrast Physics: What You Need to Know? Jonathan R. Lindner, MD
7:55 am Bubbles, Settings and Protocols: Implications of Workflow in a Busy Clinical Lab Jill A. Odabashian, RDMS

Session 2: Left Ventricular Opacification and Perfusion
Moderators: Flordeliza S. Villanueva, MD and Jonathan R. Lindner, MD
8:15 am Contrast Echo in Clinical Decision Making in Rest and Stress Echo Flordeliza S. Villanueva, MD
8:35 am Contrast Echo: Beyond LVO: What Other Uses? Juan Carlos Plana, MD
8:55 am How to Do Myocardial Perfusion: Incremental Value During Stress? Jonathan R. Lindner, MD
9:15 am Refreshment Break and Exhibits

Session 3: Clinical Trials and New Research Developments
Moderators: James D. Thomas, MD and Flordeliza S. Villanueva, MD
9:40 am Recent Clinical Trials on Contrast Echo Flordeliza S. Villanueva, MD
10:00 am New Research Developments in Contrast Echo: Targeted Microbubbles, Drug Delivery, Vasa Vasorum Imaging and Vascular Imaging Jonathan R. Lindner, MD

Session 4: Controversies in Contrast Enhanced Ultrasound
Moderators: Allan L. Klein, MD and Jill A. Odabashian, RDMS
10:20 am Debate Side 1 (Pro) – Contrast Enhanced Ultrasound Will Be Routinely Used to Assess Myocardial Perfusion in the Future – Jonathan R. Lindner, MD
10:40 am Debate Side 2 (Con) – James D. Thomas, MD
11:00 am Rebuttal – Jonathan R. Lindner, MD
11:10 am Rebuttal – James D. Thomas, MD

This workshop provides the opportunity to interpret LVO and perfusion exams in a case-based format.

Contrast Echo in ER – Flordeliza S. Villanueva, MD, Coordinator Rest or Stress Echo LVO – Craig R. Asher, MD LAA Opacification – Allan L. Klein, MD Novel Applications – Flordeliza S. Villanueva, MD Rest or Stress Echo LVO – Wael Al Jaroudi, MD Rest or Stress Echo LVO – Juan Carlos Plana, MD Rest or Stress Echo LVO – James D. Thomas, MD Rest or Stress Echo LVO – L. Leonardo Rodriguez, MD
12:20 pm Adjourn
Registration Form

15th Diastology and New Echo Technologies Summit

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Harbor Beach Marriott | Fort Lauderdale, FL

FEES
Fee include online syllabus, continental breakfasts, refreshment breaks, workshops, and reception.

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<th>Fee Description</th>
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<td>Physician</td>
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*Letter from program director must be received in our office prior to the Summit to receive this fee.

REGISTER ONLINE
GO TO: www.ccfcme.org/echo12
Once you register online, please do not mail or fax in a registration form.

Cleveland Clinic employees should register or check fees online.

PLEASE PRINT
Complete the information below if registering by mail or fax:

First Name: _______________________________ Mi: _____ Last Name: _______________________________

Degree: __________________________________________________________________________________

Specialty: _______________________________ Sub-Specialty: _______________________________

Institution/Company Name: __________________________________________________________________

Address: ________________________________________________________________________________

City: __________________ State: ___________ Zip: ___________

Phone: __________________ Fax: __________________

Email Address: ________________________________

Practice Type: □ Office Based □ Hospital Staff □ Resident/Fellow □ Other

WORKSHOP SIGN UP (Please indicate your choice)

Wednesday, February 22, 2012: □ Workshop A □ Workshop B
Thursday, February 23, 2012: □ Workshop C □ Workshop D
Friday, February 24, 2012: □ Workshop E □ Workshop F

☐ I will attend the Reception on Friday, February 24, 2012.

☐ I would like to purchase the Diastology: Clinical Approach to Diastolic Heart Failure textbook for $194

☐ I would like to purchase the Clinical Echocardiography Review textbook for $119

Total amount enclosed or to be charged $ __________________

MAIL
Make check payable to: The Cleveland Clinic Educational Foundation or charge to the following account:

☐ Visa □ MasterCard □ American Express □ Discover

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Signature: _____________________________ V Code (3/4 Digit Verification Number): __________

Local: 216.448.0770 • Toll Free: 800.238.6750 • Fax: 216.448.0783
For questions regarding registration, please call 216.448.0777 or email cmeregistration@ccf.org

Mailing Address: The Cleveland Clinic Education Foundation
P.O. Box 931653
Cleveland, OH 44193-1082
General Information

Location
Harbor Beach Marriott
3030 Holiday Drive
Fort Lauderdale, FL 33316
Phone: 954.525.4000
Fax: 954.766.6193
Website: www.marriottharborbeach.com

Hotel Accommodations
A block of rooms has been reserved at the Harbor Beach Marriott until January 31, 2012. To make your reservations, contact the Hotel Reservations Department at 800.503.1436. Please identify yourself as being with the Cleveland Clinic Diastology and New Echo Technologies Summit, for a special rate of $274 single/double plus tax.
If you prefer to make your room reservations online, please visit: www.ccfcme.org/echo12hotel

Information
For further information about this Summit, contact the Cleveland Clinic Center for Continuing Education at Phone: 216.448.0770 or toll free at 800.238.6750
Website: www.ccfcme.org/echo12

Registration and Cancellation
Preregistrations are accepted by Fax or online until 2:00 pm ET on February 21, 2012. Please register onsite after this date. In case of cancellation, a full refund will be made if canceled by February 13, 2012. After February 13, 2012, a $100 cancellation fee will be deducted from your refund. Written notification of your cancellation is required to process your refund.
NO REFUNDS WILL BE ISSUED AFTER MARCH 30, 2012.
For questions about registration, please call 216.448.0777 or email us at cmeregistration@ccf.org.

Parking
Valet parking and self-parking is available at the hotel. Valet parking is $30.00 and self parking is $25.00.

Syllabus
Powerpoint Presentations in PDF format will be provided to attendees online after the course.

Americans with Disabilities Act
The Cleveland Clinic Foundation Center for Continuing Education fully intends to comply with the legal requirements of the Americans with Disabilities Act. If you need assistance, please notify us at least two weeks prior to the activity.

Accreditation
The Cleveland Clinic Foundation Center for Continuing Education is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians. The Cleveland Clinic Foundation Center for Continuing Education designates this educational activity for a maximum of 24.25 AMA PRA Category 1 Credits™. Physicians should only claim credit commensurate with the extent of their participation in the activity.
Participants claiming CME credit from this activity may submit the credit hours to the American Osteopathic Association Council on Continuing Medical Education for Category 2 credit. AMA PRA Category 1 Credit(s)™ are accepted by the American Registry for Diagnostic Medical Sonography (ARDMS). This product/service is not endorsed by or affiliated with the ARDMS. Cardiovascular Credentialing International accepts CEUs approved by the American Medical Association.
The Ohio Board of Nursing will accept at face value the number of contact hours awarded for an educational activity that has been approved for CE by a nationally accredited system of CE approval. Therefore, the 24.25 AMA PRA Category 1 Credits™ will be accepted for nursing credits.

Faculty Disclosure
The Cleveland Clinic Foundation Center for Continuing Education has implemented a policy to comply with the current Accreditation Council for Continuing Medical Education Standards for Commercial Support requiring resolution of all faculty conflicts of interest. Faculty declaring a relevant commercial interest will be identified in the activity syllabus.
# 15th Diastology and New Echo Technologies Summit

*Featuring Heart Valve and Contrast Echo Mini-Symposium: Role in Clinical Decision Making*

## NEW THIS YEAR

Controversies, Sonographer Workshops, Poster Sessions and Interactive Cases

**February 22 – 25, 2012**

Harbor Beach Marriott | Fort Lauderdale, Florida

Register today at: [www.ccfcme.org/echo12](http://www.ccfcme.org/echo12)

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*American Society of Echocardiography*

*The Cleveland Clinic Foundation Center for Continuing Education*

Cleveland, OH 44195

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For further information about this Summit, contact the Cleveland Clinic Center for Continuing Education at:

Website: [www.ccfcme.org/echo12](http://www.ccfcme.org/echo12)

Phone: 216.448.0770 or toll free at 800.238.6750

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Valet parking and self-parking is available at the hotel. Valet parking is $30.00 and self parking is $25.00.

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**February 22, 2012**

- **Workshop A**
- **Workshop B**

**February 23, 2012**

- **Workshop C**
- **Workshop D**

**February 24, 2012**

- **Workshop E**

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For questions regarding registration, please call 216.448.0777 or email cmeregistration@ccf.org

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**Registration and Cancellation**

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The Cleveland Clinic Foundation Center for Continuing Education is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

The Cleveland Clinic Foundation Center for Continuing Education fully intends to comply with the legal requirements of the Americans with Disabilities Act. If you need assistance, please notify us at least two weeks in advance of the program.

The Cleveland Clinic Foundation Center for Continuing Education is also approved by the American Nurses Credentialing Center (ANCC) to provide continuing education for nurses.

The American Board for Certification in Medical Ultrasound (ABC) has approved this educational activity for 40 ARDMS credits.

ASE Sonographer $375

ASE Resident*/Fellow*/Nurse/Allied Health Professional $375

Resident*/Fellow*/Nurse/Allied Health Professional $450

ASE Physician $699

Physician $799

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**Fees**

*Letter from program director must be received in our office prior to the Summit to receive this fee.*

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The Ohio Board of Nursing will accept at face value the number of contact hours awarded for an educational activity.

Cardiovascular Credentialing International accepts CEUs approved by the American Medical Association (AMA) for its members.

Physicians should only claim credit commensurate with the extent of their participation in the activity.

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The Cleveland Clinic Foundation Center for Continuing Education has determined that the educational activity is appropriate for the following specialties:

- Cardiology
- Internal Medicine
- General Practice
- Surgery
- Cardiology

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