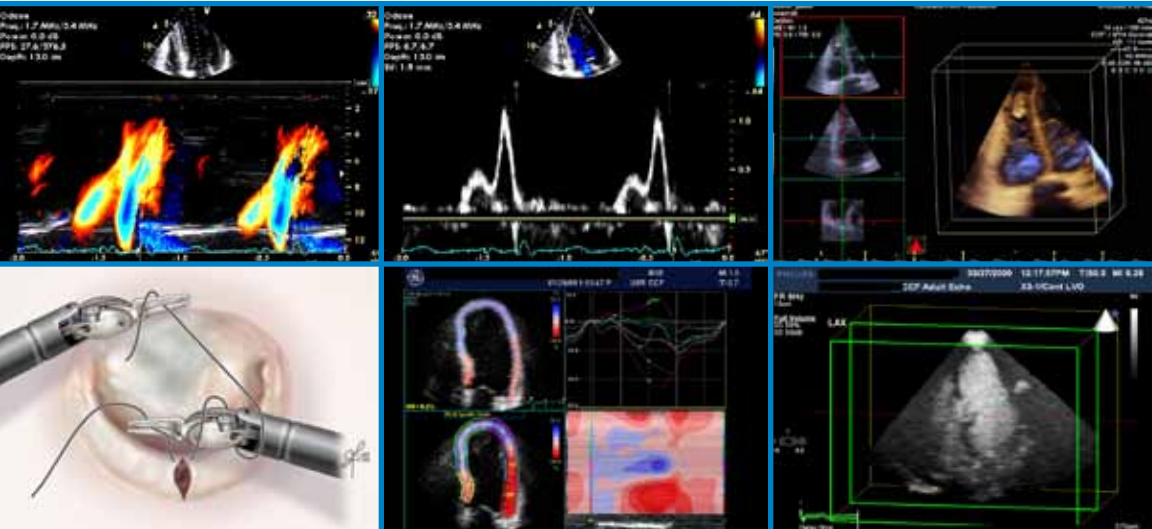


# 13th Diastology and New Echo Technologies Summit

## *Featuring Heart Valve and Contrast Echo Mini-Symposium*

February 24 – 27, 2010

Hyatt Regency Bonaventure Conference Center  
Weston, Florida



### Key Topics:

#### Heart Valve Disease

- Multimodality Imaging
- Quantification of Valvular Regurgitation
- Robotic Surgery
- Percutaneous Techniques

#### Diastology

- New Recommendations
- TDI and Strain
- Specific Diseases
- Therapy & Clinical Trials

#### New Echocardiography Technologies

- Real Time 3-D TTE & TEE
- Speckle Tracking, Torsion
- Cardiac Resynchronization Therapy
- Echo in Atrial Fibrillation

#### Contrast Echocardiography

- Black Box Warning and Safety
- LVO, EBD
- Myocardial Perfusion
- Stress Echo

Register today at: [www.ccfcmc.org/echo10](http://www.ccfcmc.org/echo10)

## Overview

The Cleveland Clinic's *13th 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 heart valve disease, diastology, new and emerging echo technologies, and contrast echocardiography. The Summit will be held **February 24-27, 2010**, at the **Hyatt Regency Bonaventure Conference Center in Weston, Florida**.

The Summit is divided into four parts.

*Heart Valve Disease* will focus 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 techniques.

*Diastology* will present the state-of-the-art advances in diastolic heart failure including epidemiology, clinical diagnostic approaches, specific diseases, and effects of therapy of diastolic heart failure as well as recent and future clinical trials.

*New Echocardiography Technologies* will highlight new and emerging applications in real time 3-D and 4-D echo, live 3-D TEE, 2-D strain, torsion, stress echo, cardiac resynchronization, and interventional echo.

*Contrast Echocardiography* will review the basic principles of contrast echo, rest and stress LVO and EBD, myocardial perfusion, and new research applications. It will include a discussion of the revised black boxed warning and safety.

The Summit will also feature several interactive workshops. The *Heart Valve Disease* and *Diastology* workshops will illustrate "Read-with-the-Experts" sessions through case presentations as well as a basic 101 tutorial. The *New Echocardiography Technologies* workshop will include 3-D echo, strain, and CRT cases and a basic 101 tutorial. The *Contrast Echocardiography* workshop will have a "Read-with-the-Experts" session on LVO, EBD, and myocardial perfusion.

## Target Audience

This activity is designed for adult and pediatric cardiologists, cardiac surgeons, anesthesiologists, sonographers, nurses, cardiology fellows, and other healthcare professionals interested in heart valve disease, diastology, new echocardiographic technologies, and contrast echocardiography.

## Learning Objectives

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

### Heart Valve

- Describe the state-of-the-art multimodality imaging in valvular heart disease
- Describe the natural history of mitral regurgitation and when to treat medically or surgically
- Discuss Doppler quantitative approaches to mitral regurgitation
- Describe mechanisms and treatment of ischemic mitral regurgitation
- Discuss surgical mitral and tricuspid valve repair
- Discuss new mechanisms and therapies of aortic stenosis
- Discuss the epidemiology of aortic regurgitation and when to intervene
- Discuss Doppler quantitative approaches to aortic regurgitation
- Describe percutaneous approaches to mitral and aortic diseases

### Diastology

- Describe the epidemiology of diastolic function
- Describe the biology and physiology of diastolic function
- Discuss Doppler approaches of diastolic function, including mitral inflow, pulmonary vein flow, tissue Doppler imaging, color M-mode Doppler, strain rate imaging, torsion, and 2-D strain
- Describe how to estimate LV filling pressures
- Discuss the technique for performing diastolic function by sonographers
- Discuss impaired diastolic function in various diseases
- Discuss the therapy of diastolic dysfunction
- Describe recent and future clinical trials
- Discuss new ASE diastology recommendations

### New Echocardiography Technologies

- Describe the role of 3-D and 4-D in clinical practice
- Discuss advances in transesophageal echo imaging including real time imaging
- Discuss 2-D strain to assess cardiac function
- Describe the use of LV torsion in clinical practice
- Discuss role of strain in stress echo
- Discuss the value of echo measurements of CRT
- Describe how to perform 3-D, CRT, strain, and strain rate imaging by a sonographer
- Describe how to perform 2-D strain, and torsion by a sonographer
- Discuss the role of echo in percutaneous valve surgery and LAA closure
- Discuss the role of echo in atrial fibrillation

### Contrast Echocardiography

- Describe state-of-the-art contrast echo including safety
- Describe the basics of contrast echocardiography, including the contrast and ultrasound interaction
- Discuss how high quality images are obtained for LVO
- Discuss the role of contrast in salvaging the difficult echo
- Discuss the value of contrast stress echo
- Describe how to read perfusion at rest and stress
- Discuss how to interpret EBD, LVO, and myocardial perfusion in a "Read-with-the-Experts" session
- Discuss clinical trials in contrast echo
- Discuss new research developments

## Summit Director

### **ALLAN L. KLEIN, MD, FRCP(C), FACC, FAHA, FASE**

Professor of Medicine  
Director, Cardiovascular Imaging Research  
Director of Pericardial Center  
Department of Cardiovascular Medicine  
Heart and Vascular Institute  
Cleveland Clinic  
Cleveland, OH

## Guest Faculty

### **CHRISTOPHER P. APPLETON, MD, FACC, FASE**

Consultant Cardiovascular Diseases  
Mayo Medical School Professor of Medicine  
Mayo Clinic Scottsdale  
Scottsdale, AZ

### **HARALD BECHER, MD, PHD**

Consultant Cardiologist, John Radcliffe Hospital  
Professor of Cardiac Ultrasound, University of Oxford  
The Oxford Heart Centre  
The John Radcliffe Hospital  
Oxford, United Kingdom

### **JOHN GORCSAN, III, MD, FACC, FAHA, FASE**

Professor of Medicine  
Director of Echocardiography  
University of Pittsburgh  
Pittsburgh, PA

### **MICHAEL L. MAIN, MD, FACC, FASE**

Associate Professor of Medicine  
University of Missouri-Kansas City  
Medical Director, Echocardiography Lab  
Mid America Heart Institute  
Kansas City, MO

### **SHERIF F. NAGUEH, MD, FACC, FASE**

Professor of Medicine  
Weill Cornell Medical College  
Associate Director of Echocardiography Laboratory  
Methodist DeBakey Heart and Vascular Center  
Houston, TX

### **MAURICE E. SARANO, MD**

Consultant  
Mayo Medical School Professor of Medicine  
Mayo Clinic  
Rochester, MN

## Cleveland Clinic Florida Faculty

### **GIAN M. NOVARO, MD, FACC, FASE**

Director, Echocardiography Laboratory  
Department of Cardiology

## Summit Co-Directors

### **JAMES D. THOMAS, MD, FACC, FAHA, FESC**

Professor of Medicine and Biomedical Engineering  
Director of Cardiovascular Imaging  
Moore Chair in Cardiovascular Imaging  
Department of Cardiovascular Medicine  
Heart and Vascular Institute  
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### **CRAIG R. ASHER, MD, FACC**

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Weston, FL

### **ANNITTA J. MOREHEAD, BA, RDCS, CCRC, FASE**

Manager, Cardiovascular Imaging Research  
Department of Cardiology  
Cleveland Clinic  
Cleveland, OH

### **W. H. WILSON TANG, MD, FACC, FAHA**

Assistant Professor in Medicine  
Director for Heart Failure Research  
Section of Heart Failure & Cardiac Transplantation  
Medicine  
Associate Director, Cardiovascular Coordinating Center  
Assistant Program Director, General Clinical  
Research Center  
Heart and Vascular Institute  
Cleveland Clinic  
Cleveland, OH

## Cleveland Clinic Faculty

### **DEBORAH A. AGLER, RCT, RDCS, FASE**

Department of Cardiovascular Medicine  
Heart and Vascular Institute

### **DEBORAH H. KWON, MD**

Department of Cardiovascular Medicine  
Heart and Vascular Institute

### **TOMISLAV MIHALJEVIC, MD**

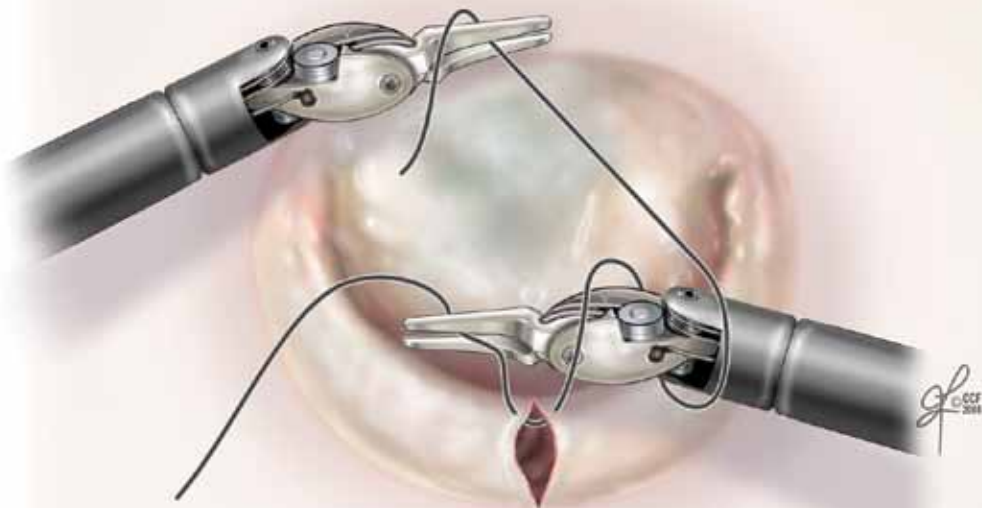
Department of Thoracic and Cardiovascular Surgery  
Heart and Vascular Institute

### **L. LEONARDO RODRIGUEZ, MD, FACC**

Department of Cardiovascular Medicine  
Heart and Vascular Institute

### **WILLIAM J. STEWART, MD, FACC, FASE**

Department of Cardiovascular Medicine  
Heart and Vascular Institute



## Wednesday, February 24, 2010

7:00 am **Registration, Continental Breakfast and Exhibits**  
*Ballroom Foyer*

7:50 am **Welcome and Introduction**  
*Allan L. Klein, MD*

### Heart Valve Disease Summit

#### Session 1: Mitral and Tricuspid Valve Disease

**Moderators:** *Allan L. Klein, MD & Maurice E. Sarano, MD*

8:00 am **Keynote Address: State-of-the-Art of Integrated Multimodality Imaging in Valvular Heart Disease 2010: Strengths & Weaknesses**  
*Maurice E. Sarano, MD*

8:20 am **Epidemiology of Mitral Valve Regurgitation: When Do We Intervene? Medicine or Surgery?**  
*William J. Stewart, MD*

8:40 am **Quantification of Mitral Regurgitation: From Basics to Advanced Measurements**  
*Christopher P. Appleton, MD*

9:00 am **Ischemic/ Functional Mitral Regurgitation: Mechanism, Treatment and New Trials**  
*Maurice E. Sarano, MD*

9:20 am **Mitral Valve and Tricuspid Valve Repair: Robotic Surgery or Not?**  
*Tomislav Mihaljevic, MD*

9:40 am **Panel Discussion and Questions**

10:00 am **Refreshment Break and Exhibits**

#### Session 2: Aortic Valve Disease and Percutaneous Techniques

**Moderators:** *William J. Stewart, MD & Tomislav Mihaljevic, MD*

10:30 am **Aortic Stenosis; Mechanisms and Therapies: What is New?**  
*Gian M. Novaro, MD*

10:50 am **Epidemiology of Aortic Valve Regurgitation: When Do We Intervene? Medicine or Surgery?**  
*Maurice E. Sarano, MD*

11:10 am **Aortic Regurgitation: How Do We Quantify? New Methods?**  
*James D. Thomas, MD*

**Percutaneous Techniques for Mitral and Aortic Valve Disease: State-of-the-Art**

11:30 am **Mayo Clinic Perspective**  
*Maurice E. Sarano, MD*

11:50 am **Cleveland Clinic Perspective**  
*William J. Stewart, MD*

12:10 pm **Surgeon's Perspective**  
*Tomislav Mihaljevic, MD*

12:20 pm **Panel Discussion and Questions**

12:50 pm **Adjourn**

6:00 - 7:30 pm **Interactive Evening Workshops (concurrent)**

#### A. Heart Valve Disease Cases

**"Read-with-the-Experts" Session:** This workshop is organized to give the participant the opportunity to interpret valve disease exams with expert course faculty in a case-based format using ARS (Audience Response System).

*William J. Stewart, MD, Coordinator - Mitral Regurgitation (non-ischemic)*

*Maurice E. Sarano, MD - Mitral Regurgitation (ischemic)*

*Deborah H. Kwon, MD - Mitral Stenosis*

*Craig R. Asher, MD - Aortic Regurgitation*

*Annitta J. Morehead, RDCS - Aortic Stenosis*

*Allan L. Klein, MD - Tricuspid Regurgitation*

#### B. Heart Valve 101 Basic Tutorial

**"Review-with-the-Experts" Session:** This workshop is organized to give the participant an opportunity to review the basics of valvular quantification and surgical approaches with expert course faculty in a case-based format.

*James D. Thomas, MD, Coordinator - Mitral Regurgitation*

*Deborah A. Agler, RDCS - Aortic Stenosis*

*Tomislav Mihaljevic, MD - Robotic Mitral Repair*

*Christopher P. Appleton, MD - Aortic Regurgitation*

*Sherif F. Nagueh, MD - Tricuspid Regurgitation*

## Thursday, February 25, 2010

7:00 am **Continental Breakfast and Exhibits**

### Diastology

#### Session 1: Epidemiology, Biology, Physiology, and Basic Doppler Assessment

**Moderators:** *Allan L. Klein, MD & Sherif F. Nagueh, MD*

7:45 am **Keynote Address: State-of-the-Art of Diastology 2010: Strengths and Weaknesses**  
*Sherif F. Nagueh, MD*

8:05 am **Epidemiology, What Diseases? How Do We Assess? Prognosis?**  
*Allan L. Klein, MD*

8:25 am **Biology, Physics, and Physiology of Diastolic Function: The Basics**  
*James D. Thomas, MD*

8:45 am **Echo Assessment of Diastolic Function: Mitral Inflow, Pulmonary Vein, Tissue Doppler Imaging, and Color M-mode Doppler; Which One Do We Use in Clinical Practice?**  
*Christopher P. Appleton, MD*

#### Session 2: Practical Techniques, Filling Pressures, and New Tools

**Moderators:** *Annitta J. Morehead, RDCS & Christopher P. Appleton, MD*

9:05 am **A Step-by-Step Approach to Performing a Diastolic Exam**  
*Annitta J. Morehead, RDCS*

9:25 am **Estimation of LV Filling Pressures Using Current Diastology Tools: What Pressures? Pitfalls?**  
*Sherif F. Nagueh, MD*

9:45 am **New Advances in the Assessment of Diastolic Function Using Strain, Strain Rate Imaging, Torsion and 2-D Strain: Is This Ready for Prime Time?**  
*James D. Thomas, MD*

10:05 am **Refreshment Break and Exhibits**

#### Session 3: Diseases with Diastolic Dysfunction

**Moderators:** *W. H. Wilson Tang, MD & Craig R. Asher, MD*

10:30 am **Pericardial Diseases: Is it Constriction or Restriction? Role of Multimodality Imaging**  
*Allan L. Klein, MD*

10:50 am **Cardiomyopathies: Role of Newer Indices in Treatment and Prognosis: What Is New in HOCM?**  
*Craig R. Asher, MD*

11:10 am **Coronary Artery Disease and Hypertension: What Does Diastolic Dysfunction Mean in These Diseases? How Do We Assess?**  
*Christopher P. Appleton, MD*

#### Session 4: Therapy of Diastolic Function and Clinical Applications

**Moderators:** *James D. Thomas, MD & Sherif F. Nagueh, MD*

11:30 am **Therapy of Diastolic Dysfunction: Treatment Options? Which Therapeutic Agent? What Have We Learned from Clinical Trials?**  
*W. H. Wilson Tang, MD*

11:50 am **New Recommendations and Consensus Statement in Diastology: How Do We Implement in a Clinical Setting? Pitfalls?**  
*Sherif F. Nagueh, MD*

12:10 pm **Panel Discussion and Questions**

12:30 pm **Adjourn**

6:00 - 7:30 pm **Interactive Evening Workshops (concurrent)**

#### A. Diastolic Function Exam Cases

**"Read-with-the-Experts" Session:** This workshop is organized to give the participant the opportunity to interpret diastology exams with expert course faculty in a case-based format using ARS (Audience Response System).

*Craig R. Asher, MD, Coordinator - Hypertrophic Cardiomyopathy*

*James D. Thomas, MD - Restrictive Cardiomyopathy*

*Christopher P. Appleton, MD - Constrictive Pericarditis*

*Maurice E. Sarano, MD - Hypertension*

*William J. Stewart, MD - Ischemic Cardiomyopathy*

*Deborah H. Kwon, MD - Fabry's Disease*

#### B. Diastology 101 Basic Tutorial

**"Review-with-the-Experts" Session:** This workshop is organized to give the participant an opportunity to review the basics of diastology with expert course faculty in a case-based format.

*Annitta J. Morehead, RDCS - Normal Function*

*and W. H. Wilson Tang, MD - Coordinators - Restriction*

*Deborah A. Agler, RDCS - Abnormal Relaxation*

*Gian M. Novaro, MD - Pseudonormal*

*Allan L. Klein, MD - Constrictive Pericarditis*

*Sherif F. Nagueh, MD - New Diastology Recommendations*

## Friday, February 26, 2010

7:30 am Continental Breakfast and Exhibits

### New Echocardiography Technologies

Session 1: 3-D and 4-D Echo, Real Time TEE, and Stress Echo

Moderators: *Allan L. Klein, MD & John Gorcsan, III, MD*

8:00 am **Keynote Address: State-of-the-Art of New Echo Technologies 2010: Strengths and Weaknesses**  
*John Gorcsan III, MD*

8:20 am **How Do You Do a 3-D Echo Examination? A Sonographer Approach**  
*Deborah A. Agler, RDCS*

8:40 am **3-D and 4-D Echo: How to Include It in Clinical Practice? What Indication?**  
*James D. Thomas, MD*

9:00 am **Real-Time Transesophageal 3D Echocardiography: A Revolution of Echocardiography**  
*L. Leonardo Rodriguez, MD*

### Session 2: Cardiac Function and Cardiac Resynchronization

Moderators: *Craig R. Asher, MD & Sherif F. Nagueh, MD*

9:20 am **How Do You Do a 2-D Strain and Torsion? A Sonographer Approach**  
*Annitta J. Morehead, RDCS*

9:40 am **2-D Strain for Cardiac Function: Speckle Tracking, Velocity Vector Imaging; What Does It Mean?**  
*John Gorcsan, III, MD*

10:00 am **CRT - Easy as One, Two, Three - for the Sonographer!**  
*Deborah A. Agler, RDCS*

10:20 am **Role of Echo in Cardiac Resynchronization: Applying the Clinical Trial Results to Everyday Practice; Is the Future Bright?**  
*John Gorcsan, III, MD*

10:40 am Refreshment Break and Exhibits

### Session 3: Stress Echo, Atrial Fibrillation, Percutaneous Valve and Multimodality Imaging

Moderators: *L. Leonardo Rodriguez, MD & Deborah A. Agler, RDCS*

11:00 am **Stress Echocardiography: Should We Use Strain Daily to Assess Wall Motion? Diastology Stress Test?**  
*L. Leonardo Rodriguez, MD*

11:20 am **New Advances of Echo in Atrial Fibrillation: Does It Have a Role in PV Ablation and LAA Closure?**  
*Allan L. Klein, MD*

11:40 am **Emerging Role of Echo in Percutaneous Valve Repair or Replacement: What Is the Role in Paravalvular Leaks?**  
*William J. Stewart, MD*

12:00 pm **New Echo Technologies: What Is Their Future in the Era of Multimodality Imaging?**  
*James D. Thomas, MD*

12:20 pm Panel Discussion and Questions

12:40 pm Adjourn

### 5:30 – 7:00 pm Interactive Evening Workshops (concurrent)

#### A. New Echo Technologies: 3-D, CRT and Strain, TEE and Stress Echo, Atrial Fibrillation

“Read-with-the-Experts” Session: This workshop is organized to give the participant the opportunity to interpret new echo technology exams with expert course faculty in a case-based format using ARS (Audience Response System).

**L. Leonardo Rodriguez, MD, Coordinator - Stress Echo**  
**Sherif F. Nagueh, MD - CRT**  
**Christopher P. Appleton, MD - Strain**  
**Allan L. Klein, MD - A Fib**  
**William J. Stewart, MD - Percutaneous Valve Repair**  
**Deborah H. Kwon, MD - 3-D TEE**

#### B. New Echo Technologies 101 Basic Tutorial

“Review-with-the-Experts” Session: This workshop is organized to give the participant an opportunity to review the basics of the new echo technologies with expert course faculty in a case-based format.

**Deborah A. Agler, RDCS - 3D / 4D LV Function**  
**James D. Thomas, MD, Coordinators - 3D / 4D Percutaneous Valve Repair**  
**John Gorcsan, III, MD - LVAD Optimization**  
**Craig R. Asher, MD - A Fib**  
**Annitta J. Morehead, RDCS - Strain**  
**Michael L. Main, MD - Stress Echo**

### 7:00 pm – 8:30 pm

#### Reception

## Saturday, February 27, 2010

7:30 am Continental Breakfast and Exhibits

### Contrast Echocardiography

Session 1: Session 1: Contrast Basics, Physics, and Imaging Modalities

Moderators: *Allan L. Klein, MD & Michael L. Main, MD*

8:00 am **Keynote Address: State-of-the-Art of Contrast Echo: Strengths and Weaknesses 2010 and the Revised Black Box Warning and Safety**  
*Harald Becher, MD, PhD*

8:20 am **Contrast 101: What Happens When You Combine Contrast Agents and Ultrasound?**  
*Michael L. Main, MD*

8:40 am **Left Ventricular Opacification: A Step-by-Step Guide to Collecting High Quality Images**  
*Annitta J. Morehead, RDCS*

### Session 2: Left Ventricular Opacification and Perfusion

Moderators: *L. Leonardo Rodriguez, MD & Harald Becher, MD, PhD*

9:00 am **The Good, the Bad, and the Ugly; Salvaging the Technically Difficult Echo**  
*Michael L. Main, MD*

9:20 am **Contrast Stress Echo: How Do You Do It? Added Value or Added Work?**  
*L. Leonardo Rodriguez, MD*

9:40 am **How to Read Myocardial Perfusion at Rest and Stress: Should We Be Doing this Routinely?**  
*Harald Becher, MD, PhD*

10:00 am Refreshment Break and Exhibits

10:30 am **Workshop: “Read-with-the-Experts”: LVO and Stress Perfusion Cases**

This workshop is organized to give the participant the opportunity to interpret LVO and perfusion exams with expert course faculty in a case-based format using the ARS (Audience Response System).

**Michael L. Main, MD - Coordinator - Perfusion Cases Rest and Stress**  
**Harald Becher, MD, PhD - Perfusion Cases Rest and Stress**  
**L. Leonardo Rodriguez, MD - Stress Echo**  
**Annitta J. Morehead, RDCS - Rest or Stress Echo LVO**  
**Deborah A. Agler, RDCS - Rest or Stress Echo LVO**  
**Craig R. Asher, MD - Rest or Stress Echo LVO**  
**James D. Thomas, MD - Rest or Stress Echo LVO**  
**Allan L. Klein, MD - LAA Opacification**  
**Deborah H. Kwon, MD - Rest or Stress Echo LVO**

### Session 3: Clinical Trials and New Research Developments

Moderators: *James D. Thomas, MD & Harald Becher, MD, PhD*

11:30 am **Recent Clinical Trials on Contrast Echo: What Are the Results and What Is Next?**  
*Michael L. Main, MD*

11:50 am **Beyond 2010: New Research Developments in Contrast Echo**  
*Harald Becher, MD, PhD*

12:10 pm Panel Discussion and Questions

12:30 pm Adjourn

## General Information

### Location

Hyatt Regency Bonaventure  
Conference Center & Spa  
250 Racquet Club Road  
Weston, FL 33326-US  
Tel: (954) 616-1234  
Fax: (954) 384-0653  
www.bonaventure.hyatt.com

### Hotel Accommodations

A block of rooms has been reserved at the Hyatt Regency Bonaventure until February 1, 2010. To make your reservations, contact the Hotel Reservations Department at 954-616-1234 or 800-233-1234. Please identify yourself as being with the Cleveland Clinic Diastology and New Echo Technologies Summit for a special rate of \$229 single/double plus tax.

### Ground Transportation

There is shuttle or taxi cab service, 24 hours a day, 7 days a week to and from either Miami International Airport or Fort Lauderdale International Airport. All arriving guests will find courtesy phones at all baggage claim areas. Advance reservations are recommended for large groups. Fares range from \$20-\$50 each way.

### Information

For further information about this Summit, contact UNITECH Communications® at 216-448-0770 or Toll Free, 800-238-6750.

Web Address:

[www.ccfcmec.org/echo10](http://www.ccfcmec.org/echo10)

For questions about registering online, call 216-448-0777.

### Registration and Cancellation

Pre-registrations are accepted by fax or online until 4:00 pm EST on February 18, 2010. To register after this date, you must do so on-site. In case of cancellation, a full refund will be made if canceled by February 12, 2010. After February 12, 2010, a \$100 cancellation fee will be deducted from your refund. Written notification of your cancellation is required in order to process your refund. NO REFUNDS WILL BE ISSUED AFTER MARCH 31, 2010.

### Parking

Valet parking and self-parking is available at the hotel.  
- Self-parking is offered on-site  
- Valet parking is \$10 per day  
- Parking includes in and out privileges.

### 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 UNITECH Communications® at 216-448-0770 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 21.5 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 Credits™ are accepted by ARDMS.

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 21.5 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.



Escape to a remarkable 23-acre retreat at this Weston, Florida hotel. Stay at the newly renovated Hyatt Regency Bonaventure Conference Center and Spa, 20 minutes from the airport. Relax in elegant rooms with handsome marble baths. Pamper yourself at our extraordinary Elizabeth Arden spa. Work out in a state-of-the-art fitness center. Tee off on a championship golf course. Dive into our stunning pool with a cascading waterfall. Allow the attentive, friendly staff to serve you at our restaurants. Walk through serene gardens as swans glide by and Koi dart through the pond. Visit nearby attractions like the Everglades, Sawgrass Mills, and Fort Lauderdale.

# Registration Form

## 13th Diastology & New Echo Technologies Summit

February 24 – 27, 2010

Hyatt Regency Bonaventure Conference Center | Weston, Florida

Course No. 011675  
Office Use Only

Fee \_\_\_\_\_ Date \_\_\_\_\_  
MOP \_\_\_\_\_ CXL/Fee \_\_\_\_\_

### FEES

Fees include electronic syllabus (flash drive), continental breakfasts, refreshment breaks, workshops, and reception. Payment must be received prior to admittance to the Summit. Purchase orders are not accepted.

	Before February 24	Onsite
<input type="checkbox"/> Physician	\$675	\$725
<input type="checkbox"/> ASE Physician Member	\$540	\$590
<input type="checkbox"/> Comprecare Affiliate Member (ID# _____)	\$438.75	\$489
<input type="checkbox"/> CCF Alumnus	\$405	\$455
<input type="checkbox"/> ASE Resident*/Fellow*/Nurse/Allied Health Professional	\$300	\$350
<input type="checkbox"/> Resident*/Fellow*/Nurse/Allied Health Professional	\$375	\$425
<input type="checkbox"/> ASE Sonographer	\$300	\$350
<input type="checkbox"/> Sonographer	\$375	\$425

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

### REGISTER ONLINE

GO TO [www.ccfcmecme.org/echo10](http://www.ccfcmecme.org/echo10)

Once you register online, please do not mail or fax in a registration form.

**CCF main campus, family health centers, and CCHS community hospital employees (physicians and non-physicians) should register at the above web address.**

### PLEASE PRINT

Complete the information below if registering by mail or fax:

Last Name: \_\_\_\_\_ First Name: \_\_\_\_\_

Degree/Title: \_\_\_\_\_ Specialty: \_\_\_\_\_

Institution: \_\_\_\_\_ Sub Specialty: \_\_\_\_\_

Preferred Mailing Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_

Zip: \_\_\_\_\_ Phone: \_\_\_\_\_

Email: \_\_\_\_\_ Fax: \_\_\_\_\_

Practice Type:  Office Based  Hospital Staff  Resident/Fellow

WORKSHOP SIGN UP (Please indicate your choice)

Wednesday, February 24, 2010:  Workshop A or  Workshop B

Thursday, February 25, 2010:  Workshop A or  Workshop B

Friday, February 26, 2010:  Workshop A or  Workshop B

I will attend the Reception on Friday, February 26, 2010.

Total amount enclosed or to be charged \$ \_\_\_\_\_

### MAIL

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

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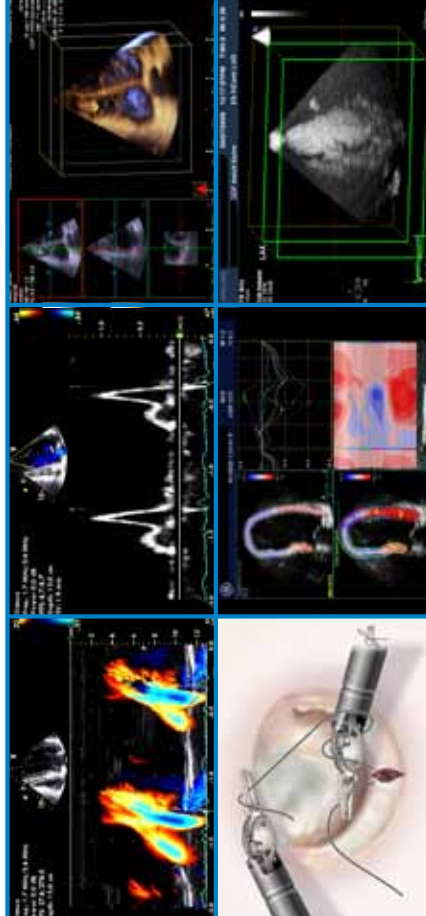
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