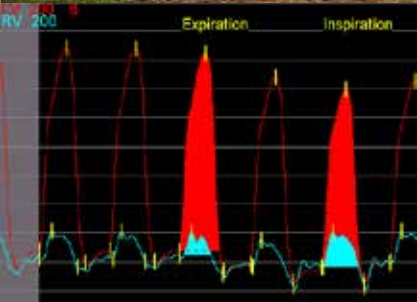


Valve Disease and Diastology Summit

March 4 – 6, 2016
Eden Roc Hotel | Miami Beach, Florida

Register Today! ccfcme.org/echo

Reduced Fees for
Sonographers



Join us at the Valve Disease and Diastology Summit

OVERVIEW

This Cleveland Clinic educational activity will emphasize valve disease, particularly the newest aspects of structural valve interventions. A third of the course will emphasize echocardiographic and clinical evaluation of diastolic dysfunction. It will provide a unique opportunity for updates in new and emerging topics, related to imaging techniques, including three dimensional echocardiography, strain imaging, and echo guidance of transcatheter therapies.

The education will also focus on clinical indications for structural interventions and surgery, as well as the merits and goals of medical management. Participants will have ample time to interact and network with key opinion leaders in the field.

New this year on Thursday, March 3, is the optional MOC Learning Session from ASEUniversity III: Case-based Learning Volume 1. This session highlights several key topic areas through a study of clinical patient scenarios. Guided by faculty moderators, topics covered will include new echo technology, artifacts, valvular heart disease, ventricular size and function, coronary artery disease, cardiomyopathies, congenital heart disease, Doppler evaluation of diastolic function, pericardial disease, stress echocardiography, and cardiac masses.

BY ATTENDING, YOU WILL BE ABLE TO:

- Diagnose the severity, mechanism, etiology, and management of common and uncommon valve diseases such as aortic stenosis, mitral regurgitation, aortic regurgitation, prosthetic dysfunction, and tricuspid valve disorders
- Assess the most recent innovations in structural valve interventions and describe their clinical use
- Translate guideline criteria on imaging into current decision-making regarding structural valve interventions and surgical valve repair and replacement
- Describe clinical methods to diagnose diastolic dysfunction and manage disorders such as heart failure with normal ejection fraction, pericardial constriction, amyloid heart disease, and tamponade
- Provide updates on new and emerging topics related to imaging techniques including 3D echocardiography, strain imaging, and echo guidance of transcatheter therapies
- Utilize echocardiographic imaging for imaging before, during, and after procedures, including transcatheter valve replacement, closure of periprosthetic leaks, septal defect closure, and edge-to-edge mitral repair
- Demonstrate how to use 3D echo and strain imaging to assess diastolic function and valve disease
- Discuss role of clinical indications and emerging uses of contrast echocardiography

WHO SHOULD ATTEND?

Noninvasive and invasive cardiologists, cardiac surgeons, anesthesiologists, sonographers, nurses, fellows, cardiology nurse practitioners, and physician assistants will benefit from attending this Summit.

SUMMIT DIRECTOR

William J. Stewart, MD, FACC, FASE
Professor of Medicine
Director, Cardiovascular Curriculum
of Cleveland Clinic Lerner College
of Medicine
Department of Cardiovascular Medicine
Heart and Vascular Institute
Cleveland Clinic

SUMMIT CO-DIRECTOR

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Professor of Medicine
President Elect, ASE
Director, Pericardial Center
Department of Cardiovascular Medicine
Heart and Vascular Institute
Cleveland Clinic

CLEVELAND CLINIC FACULTY
Department of Cardiovascular Medicine
Heart and Vascular Institute

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Cleveland Clinic Florida

Deborah A. Agler, RCT, RDCS, FASE
Coordinator of Education and Training for
Cardiovascular Imaging

Richard A. Grimm, DO, FACC
Director, Echocardiography Laboratory

Samir Kapadia, MD
Professor of Medicine
Director, Catheterization Laboratory
Section Head, Interventional Cardiology

GUEST FACULTY

Christopher P. Appleton, MD, FACC, FASE
Consultant, Cardiovascular Diseases
Mayo Clinic
Scottsdale, AZ

**Linda Gillam, MD, MPH, FACC, FAHA,
FASE, FESC**
Chair, Cardiovascular Medicine
Atlantic Health System
Morristown, NJ

Gian M. Novaro, MD, FACC, FASE
Director, Echocardiography Laboratory
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L. Leonardo Rodriguez, MD, FACC
Program Director
Advanced Imaging Fellowship

Lars G. Svensson, MD, PhD
Professor of Surgery
Chair, Heart and Vascular Institute

David Rubenson, MD
Cardiologist, Echo Lab Director
Scripps Clinic
La Jolla, CA

TWO WAYS TO REGISTER

 **ONLINE**
ccfcme.org/echo

 **BY MAIL**
The Cleveland Clinic Educational Foundation
PO Box 931653, Cleveland, OH 44193-1082

**Registration form can be downloaded
from the activity website.**

Fees

Fee includes: Continental breakfasts, refreshment breaks, and online syllabus in PDF format

	On or Before January 8, 2016	After January 8, 2016
Physician	\$875	\$975
ASE Physician	\$700	\$800
Resident/Fellow*	\$500	\$600
Non Physician	\$500	\$600
ASE Resident/Fellow*	\$400	\$500
ASE Non Physician	\$400	\$500
Sonographer	\$400	\$500
ASE Sonographer	\$300	\$400
<i>Cleveland Clinic employee registration available online only.</i>		

Optional MOC Session – Thursday, March 3, 2016	Fee: \$225
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*Letter from program director is required to receive the discounted fee. If letter is not received two weeks prior to the activity, the full physician fee will be charged.

Visit www.ccfcme.org/echo for complete registration information.

Cleveland Clinic Center for Continuing Education reserves the right to cancel or postpone an activity at our sole discretion. In the unlikely event that this occurs, any registration fee(s) paid will be refunded. Be advised that Cleveland Clinic is not responsible for related costs including airline tickets, hotel costs, or any similar fee penalties incurred as a result of any trip cancellations or changes.

AGENDA

THURSDAY, MARCH 3, 2016

Maintenance of Certification (MOC) Optional Session

Craig R. Asher, MD; Allan L. Klein, MD; Gian M. Novaro, MD; and William J. Stewart, MD

- 5:30 pm** Registration
- 6:00 – 8:00 pm** Maintenance of Certification: Case-based Learning Volume 1
MOC program is sponsored by Cleveland Clinic and Held in Cooperation with ASE

ABIM has approved for 10 MOC points towards the Self-Evaluation of Medical Knowledge Requirements (part 2) and an additional 5 CME credits provided for completing the online module.

FRIDAY, MARCH 4, 2016

- 6:15 am** Registration, Continental Breakfast, Visit Exhibits

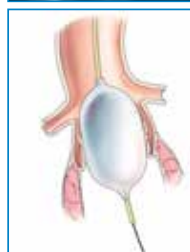
Valve Disease: Focus on Aortic Stenosis

Moderators: *William J. Stewart, MD, and David Rubenson, MD*

- 7:00 am** Aortic Stenosis, Atherosclerosis, and Vascular Inflammation
Gian M. Novaro, MD
- 7:20 am** Paradoxical or Not: Low Flow, Low Gradient Aortic Stenosis
William J. Stewart, MD
- 7:40 am** Multidisciplinary Team for Structural Interventions
Samir Kapadia, MD
- 8:00 am** 3D Echo and CT in Transcatheter Valve Replacement (TAVR)
L. Leonardo Rodriguez, MD
- 8:20 am** Matching Patients and Devices for TAVR
Samir Kapadia, MD
- 8:40 am** TAVR Paravalvular Leaks:
Predict, Prevent, Quantitate, Manage
Linda Gillam, MD
- 9:00 am** TAVR Under Light Sedation – TEE, TTE, or Just Fluoro?
L. Leonardo Rodriguez, MD
- 9:20 am** Panel Discussion (all faculty of this session)
- 9:50 am** Refreshment Break/Visit Exhibits

Moderators: *Craig R. Asher, MD, and Linda Gillam, MD*

- 10:20 am** Are Transcatheter Valve Procedures Killing or Helping Valve Surgery?
Lars G. Svensson, MD, PhD
- 10:40 am** Ascending Aortic Dilation in Bicuspid Valves and Others
Gian M. Novaro, MD
- 11:00 am** Severe Aortic Stenosis without Symptoms: When AVR?
David Rubenson, MD
- 11:20 am** TAVR: What to Do When the Awful Happens?
Lars G. Svensson, MD, PhD
- 11:40 am** Contrast Echo in Valve Patients: What is Role in Assessing EF, LV Morphology, and Gradients?
Allan L. Klein, MD
- 12:00 pm** Dobutamine Echo in Aortic Stenosis-Methods and Impact on Management
Deborah A. Agler, RDCS
- 12:20 pm** Panel Discussion (all faculty of this session)
- 12:50 pm** Case-based Workshop
Choosing TAVR vs SAVR for Aortic Stenosis
Moderator: *Richard A. Grimm, DO*
Christopher P. Appleton, MD; Lars G. Svensson, MD, PhD; and Samir Kapadia, MD
- 1:50 pm** Adjourn



SATURDAY, MARCH 5, 2016

6:30 am Registration, Continental Breakfast, Visit Exhibits

Diastolic Dysfunction and Right Heart Function

Moderators: *Christopher P. Appleton, MD*, and
Richard A. Grimm, DO

7:00 am Which Diastology Parameters to Use in Clinical Practice?

Gian M. Novaro, MD

7:20 am Limitations and Pitfalls in Assessing Diastolic Function

Richard A. Grimm, DO

7:40 am Estimating LV Filling Pressures with Doppler

L. Leonardo Rodriguez, MD

8:00 am Constriction and Amyloid: Diastolic Dysfunction

Allan L. Klein, MD

8:20 am Diastolic Dysfunction in Hypertrophic Cardiomyopathies

Craig R. Asher, MD

8:40 am Cath Hemodynamics in Diastolic Dysfunction

Samir Kapadia, MD

9:00 am ASE Guidelines-Diastology 2016 Update

Christopher P. Appleton, MD

9:20 am Panel Discussion (with all faculty of this session)

9:50 am Refreshment Break/Visit Exhibits

Moderators: *L. Leonardo Rodriguez, MD*, and *Allan L. Klein, MD*

10:20 am Diastology Assessment by TTE: Tips for Sonographers

Deborah A. Agler, RDCS

10:40 am Athlete's Heart vs Hypertrophic + Dilated Cardiomyopathy

Craig R. Asher, MD

11:00 am Pericardial Inflammation-Monitoring and Treatment

Allan L. Klein, MD

11:20 am Evaluation of Right Heart Function

Linda Gillam, MD

11:40 am Tricuspid Regurgitation: Repair, Replace, or Delay? Results?

Lars G. Svensson, MD, PhD

12:00 pm Tricuspid Anatomy and Repair and Fate of the Ignored TV

David Rubenson, MD

12:20 pm Contrast Echo in Assessing Left and Right Heart Function

Deborah A. Agler, RDCS

12:40 pm Panel Discussion (with all faculty of this session)

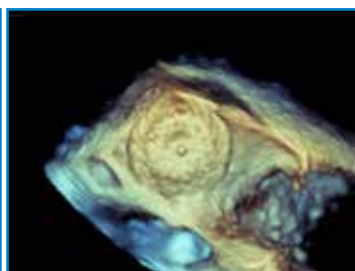
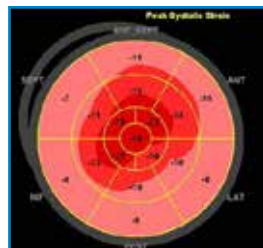
1:10 pm Case-based Workshop

Constriction, Restriction, Tricuspid Regurgitation

Moderator: *William J. Stewart, MD*

Allan L. Klein, MD; David Rubenson, MD; and Christopher P. Appleton, MD

2:00 pm Adjourn



SUNDAY, MARCH 6, 2016

6:30 am Continental Breakfast, Visit Exhibits

Valve Regurgitation, 3D Echo, and Strain

Moderators: *L. Leonardo Rodriguez, and Lars G. Svensson, MD*

7:00 am Quantitating Regurgitation:

Vena Contracta, ROA, MR vs AR

Linda Gillam, MD

7:20 am Aortic Regurgitation: Medicine or Surgery?

Richard A. Grimm, DO

7:40 am Surgery for Ischemic/Functional MR –
When, Who, and Who-not?

Lars G. Svensson, MD, PhD

8:00 am Mitraclip-Methods and Echo Monitoring

William J. Stewart, MD

8:20 am Progress to Transcatheter Mitral Replacement

Samir Kapadia, MD

8:40 am Performing a Transthoracic 3-D Echo:
Sonographer Approach

Deborah A. Agler, RDCS

9:00 am Exercise Testing in Mitral or Aortic Regurgitation

David Rubenson, MD

9:20 am Panel Discussion (with all faculty of this session)

9:50 am Refreshment Break/Visit Exhibits

Moderators: *Gian M. Novaro, MD, and Samir Kapadia, MD*

10:20 am Cardiac Mechanics: Incorporating 2-D Strain
into the Echo Lab Routine

Deborah A. Agler, RDCS

10:40 am When Does Strain Imaging Influence Clinical Decisions?

L. Leonardo Rodriguez, MD

11:00 am LV Strain in Pericardial Disease

Allan L. Klein, MD

11:20 am 3D Echo: A Practical Approach in Understanding Valve Dysfunction

William J. Stewart, MD

11:40 am LV Strain in Cardio Oncology

Craig R. Asher, MD

12:00 pm Myocardial Mechanics: Strain and Torsion in Valve Disease

Christopher P. Appleton, MD

12:20 pm Panel Discussion (with all faculty of this session)

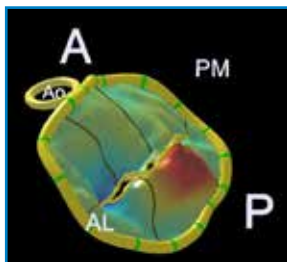
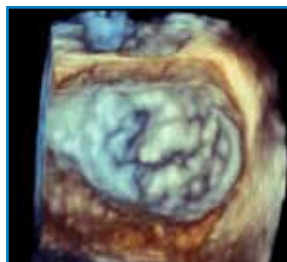
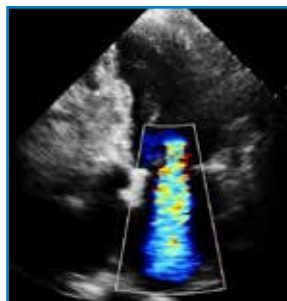
12:45 pm Case-based Workshop

Contrast Echo, Strain, and 3D Echo

Moderator: *Christopher P. Appleton, MD*

Linda Gillam, MD; Richard A. Grimm, DO; and William J. Stewart, MD

1:30 pm Adjourn



ORDER YOUR TEXTBOOKS NOW!

Diastology: Clinical Approach to Diastolic Heart Failure is available for only \$147

and

Clinical Echocardiography Review: A Self-Assessment Tool is available for only \$136

Participants can purchase these books at a discounted price. Please check the appropriate box on the registration form. Books will be available at the Summit.



GENERAL INFORMATION:

Location

Eden Roc Miami Beach

4525 Collins Avenue

Miami Beach, FL 33140

Phone: 305.531.0000 or 855.433.3676

Hotel Accommodations

A limited block of rooms at has been reserved at the Eden Roc Miami Beach Hotel until February 9, 2016.

Make your reservations online at **www.ccfcmce.org/EdenRocHotel** or contact the hotel at 855.433.3676 and identify yourself as an attendee for the Cleveland Clinic Valve and Diastology Summit for a special group rate of \$329, plus tax and daily resort fee.

Miami Beach Visitor Information

Beyond enjoying the radiant sun, sea, and sand, discover Miami Beach's rich history as an entertainment and cultural destination. From world-famous art deco architecture to renowned restaurants, there's so much going on in Miami Beach.

Visit the Miami Beach website for where to go: www.miamiandbeaches.com

Information

For further information about this activity, contact the Cleveland Clinic Center for Continuing Education.

Local: 216.444.9990

Website: ccfcmce.org/echo

Registration and Cancellation

Preregistrations are accepted until 2:00 pm ET March 2, 2016. Register on site after this date. In case of cancellation, a full refund will be made if canceled by February 29, 2016. After February 29, 2016, a \$100 cancellation fee will be deducted from your refund. Email notification of your cancellation by March 31, 2016 is required to process your refund. For questions about registration or cancellation, email us at cmeregistration@ccf.org or call 216.448.8710.

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.



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 live activity for a maximum of 18.75 *AMA PRA Category 1 Credits™*. Physicians should claim only the 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** for Category 2 credit.

The MOC program is sponsored by Cleveland Clinic and offered in Cooperation with ASE. Upon completion, registrants will be given access to an online module to complete to be awarded MOC credits. This product has been accepted by the American Board of Internal Medicine (ABIM) for 10 points towards medical knowledge self-assessment MOC.

Other Health Care Professionals

A certificate of attendance will be provided to other health care professionals for requesting credits in accordance with state nursing boards, specialty societies, or other professional associations.

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.

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Featuring

- Optional MOC Learning Session Held in Cooperation with ASE
- Case-based Workshops
- Reduced Fees for ASE Physicians and Sonographers

Emphasis on

- Valve Disease: Focus on Aortic Stenosis
- Diastolic Dysfunction
- Right Heart Function
- Valve Regurgitation, 3D Echo, and Strain
- Transcatheter Interventions



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