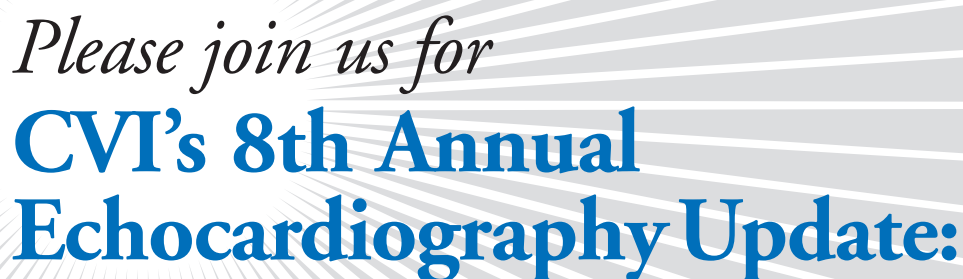


Full program details & online registration
at cvphiladelphia.org



The Role of Echo in “Structural” Heart Disease: Congenital, Valvular, Mechanical Support

Sunday, January 10, 2016
7:45 a.m. – 4:45 p.m.

Loews Philadelphia Hotel
1200 Market Street • Philadelphia, PA

\$35
early bird
discount &
iPad drawing
thru 12/15/15

Veronica A. Covalesky, MD
Martin G. Keane, MD

Jointly provided by:



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College of
Medicine



In cooperation with



Pennsylvania

CHAPTER

Why You Should Attend

CVI's 8th Annual Echocardiography Update focuses on the role of echocardiography in various aspects of structural heart disease, including congenital and valvular heart disease as well as mechanical support for failing hearts.

Focus topics include a review of echo physics, echo basics in congenital heart disease, left ventricle "reverse remodeling" after valvular and other interventions, and the role of echo in the diagnosis, peri-, intra- and post-procedural usage and management of atrial septal defects, paravalvular leaks, atrial fibrillation corrected by left atrial appendage exclusion, mitral valve disease repaired by percutaneous intervention and the failing heart assisted by mechanical support.

After attending CVI's 8th Annual Echo Update, clinicians will have a better recognition of these important topics, which are critical in effective utilization of this powerful diagnostic tool, and will be better able to utilize echocardiography to improve safety and outcomes for their patients.

Target Audience

Cardiologists, echocardiographers, interventional cardiologists, electrophysiologists, cardiac surgeons, anesthesiologists, emergency department physicians, hospitalists, referring physicians, fellows, residents and all physicians who care for patients with cardiovascular disease; cardiac sonographers, nurse practitioners, physician assistants and nurses participating in the care of patients with cardiovascular disease.

Learning Objectives

After attending CVI's 8th Annual Echocardiography Update, attendees will be better able to:

- Explain the basic properties of spectral and color flow Doppler
- Apply the principles of Doppler to assessment of structural heart disease
- Describe hemodynamic parameters using Doppler techniques
- Recognize the most common congenital heart defects that survive into adulthood
- List the primary standard and "non-standard" echo views for assessment of congenital heart disease
- Review the use of 2D and Doppler echocardiography applied to specific cases of congenital heart disease in adult patients
- Incorporate congenital anatomic and echo characteristics into real-time assessment of patients with congenital heart disease
- Enumerate the three major categories of atrial septal defect, and identify those which are amenable to percutaneous closure
- Describe the types of information acquired from transthoracic echo and transesophageal echo that fully characterize atrial septal defect
- Recognize the multiple challenges in utilizing echo for recognition and quantitation of paravalvular leaks
- Identify the clinical indications for mechanical cardiac support
- Describe the uses of echo in the assessment of the end-stage failing heart
- Effectively utilize echo techniques for ongoing assessment of the mechanically assisted heart
- Review the two types of left ventricular hypertrophy and other adaptive left ventricular responses to structural heart disease
- Appropriately apply 2D and Doppler echo for assessment of systolic and diastolic dysfunction in structural heart disease
- List the "reverse changes" that may be expected following repair of valvular and structural heart disease
- Recognize the risks of stroke and thromboembolism in patients with atrial fibrillation
- Appropriately select patients who would most benefit from a left atrial exclusion device
- Effectively utilize transesophageal echo to assess left atrial appendage anatomy and function
- Employ transesophageal echo in the placement of left atrial appendage closure devices
- Describe the underlying causes of mitral regurgitation
- List the echo techniques used to quantitate mitral regurgitation
- Apply transthoracic echo and transesophageal echo in the pre-, intra- and post-procedural stages of percutaneous mitral valve repair

Accreditation Statement

This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of Drexel University College of Medicine and The Cardiovascular Institute of Philadelphia (CVI). The Drexel University College of Medicine is accredited by the ACCME to provide continuing medical education for physicians.

AMA Credit Designation Statement: The Drexel University College of Medicine designates this live activity for a maximum of 7.5 *AMA PRA Category 1 Credit(s)*[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

AOA: This program is eligible for 7.5 credits in Category 2A of the American Osteopathic Association.

SDMS: CVI's 8th Annual Echocardiography Update: The Role of Echo in "Structural" Heart Disease: Congenital, Valvular, Mechanical Support has been approved for 7.5 Credits by SDMS; Approval #27594.

Course Directors

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Penn Medicine

Faculty Disclosure Statement

It is the policy of Drexel University College of Medicine to ensure balance, independence, objectivity, and scientific rigor in all its sponsored educational programs. Speakers at continuing medical education activities are required to disclose to the audience any relevant commercial interest (which is any entity producing, marketing, re-selling, or distributing health care goods or services consumed by, or used on, patients). Any conflicts of interest must be resolved prior to the presentation and announced to the audience. The intent of this disclosure is to allow participants to form their own judgments about the educational content of this activity and determine whether the speaker's commercial interests influenced the presentation. In addition, speakers are required to openly disclose any off-label, experimental, or investigational use of drugs or devices discussed in their presentation.

Acknowledgements

All commercial support in the form of educational grants and display support will be acknowledged in the syllabus, signage and verbally prior to the beginning of the program.



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CHAPTER

*CVI appreciates the support of the Pennsylvania Chapter of the
American College of Cardiology for their partnership in this activity.*

Program Agenda

CVI's 8th Annual Echocardiography Update:

The Role of Echo in "Structural" Heart Disease: Congenital, Valvular, Mechanical Support

Sunday, January 10, 2016 • Loews Philadelphia Hotel
7.5 CME/SDMS/CEU Credits

Introduction and Course Overview

Martin Keane, MD

7:45am – 8:00am

Echo Physics: Understanding Doppler and Hemodynamics

Andrew Chen, MD

8:00am – 8:45am

Basics of Echo in Adult Congenital Heart Disease:

What You Need to Know

Sabrina Phillips, MD

8:45am – 9:45am

Seminal Cases in Adult Congenital Heart Disease

Sabrina Phillips, MD

Rita Novello, RDCS

9:45am – 10:15am

BREAK

10:15am – 10:45am

Closing ASDs and Paravalvular Leaks

So Many Holes – So Many Plugs!

Brian O'Murchu, MD

10:45am – 11:15am

Mechanical Support of the Failing Heart:

What Surgeons Need from Echocardiography

Louis Samuels, MD

11:15am – 12:15pm

LUNCH

12:15pm – 1:00pm

"Reverse Remodeling" of the LV after Valvular and Other Interventions

Gerard Aurigemma, MD

1:15pm – 2:15pm

LAA Exclusion: Who and When?

Fermin Garcia, MD

2:15pm – 3:00pm

LAA Exclusion: Echo Guidance

Frank Silvestry, MD

3:00pm – 3:45pm

Mitral Regurgitation: Echo Evaluation and Guidance

for Percutaneous Mitral Valve Repair

Scott Fredd, MD

3:45pm – 4:30pm

Review and Closing

Veronica Covaletsky, MD

4:30pm – 4:45pm

★ Sleep a Little Later - Sleep Over at the Loews! ★

Loews offers a limited number of discounted room/parking packages for our program January 9, 2016, only.

\$129 special room rate* plus 10% overnight parking discount

To Book This Special Package Rate Visit:

https://resweb.passkey.com/Resweb.do?mode=welcome_ei_new&eventID=14324776

OR

Call 888.575.6397 to reserve your room.

You must mention CVI's 8th Annual Echo Update to receive discounted rate.

*Does not include taxes. If for any reason you cannot make the conference and you have reserved a room, you need to cancel your reservation at least 24 hours in advance or you will be charged by the hotel.

To register, visit cvphiladelphia.org



Registration Form

Registration Fees

Be an early bird ... sign up and pay your registration by Monday 12/15/15 and take \$35 off your registration fee!

- Physicians and Industry: \$410
(\$375 *early bird* by 12/15/15)*
- Sonographer, Mid Level Provider, Nurse: \$235 (\$200 *early bird* by 12/15/15)*
- Fellows, Residents, Medical Students: \$185 (\$150 *early bird* by 12/15/15)*

*All prices reflect discount of \$10 for payment by cash/check

Syllabus

Several days prior to the program, syllabi including presentations will be available for download from a secure website. At registration you will receive a USB storage device with the same information at no additional charge.

At the conference, neither printers nor electrical outlets are available for attendee use.

Hard copy black & white syllabi including presentations may be ordered in advance for \$50, and available at registration. Hard copy syllabi must be ordered by December 28, 2015. Additional printed syllabi not available onsite.

Faculty PowerPoint presentation handouts are for the use of course attendees only pre and post-conference. This material may not be used, shared or distributed electronically.

**FREE Apple iPad 2 Drawing Details

In order to be entered into the FREE Apple iPad 2 Drawing, you must:

- Register and pay for CVI's 8th Annual Echocardiography Update by 5:00pm EST on Tuesday, December 15, 2015
- Submit your fully completed online program evaluation for CVI's 8th Annual Echocardiography Update by 5:00pm EST on Tuesday, February 2, 2016
- And you are entered to win...
It's as easy as that! Winner will be contacted via email.

Name _____

Degree _____ Gender ☐ M ☐ F

Clinical Position _____

Clinical Affiliation Name _____

NPI# _____

Phone _____ Fax _____

Email Address _____

Mailing Address _____

City _____ State _____ Zip _____

Is this address: Work? _____ Home? _____ Other? _____

Order	Early Bird Discount	Regular Price	Total
Physicians & Industry Registration	_____ @ \$375 (by 12/15/15)*	_____ @ \$410 (after 12/15/15)	\$ _____
Sonographer, Mid Level Provider, Nurse Registration	_____ @ \$200 (by 12/15/15)*	_____ @ \$235 (after 12/15/15)	\$ _____
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Hard Copy Syllabus Must order by December 28, 2015	N/A	_____ @ \$50	\$ _____
Pay by Visa/MC/Amex	Add \$10 per registration	Add \$10 per registration	\$ _____
Apple iPad 2 Drawing Entry**	FREE	N/A	FREE
Grand Total			\$ _____

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Important Notes:

You MUST register by January 4, 2016 to guarantee your seat.

Please make checks payable to:

Cardiovascular Institute of Philadelphia
P.O. Box 54632 • Philadelphia, PA 19148
Phone: 215-389-2300 • Fax: 215-389-5450

Register online at cviphiladelphia.org

Course Registration Cancellation Policy:

Requests in writing for refunds less \$35 administrative fee by December 28, 2015, processed after the meeting. Registrations are transferable with prior notification to CVI by December 28, 2015.