

## **Echo University Echo Challenge: 1-5**

**Release Date:** May 28, 2013

**Expiration Date:** May 28, 2016

Jointly Sponsored by Dannemiller and Echo University Online.



### **Intended Audience**

Physicians and Sonographers.

### **Learning Objectives**

Upon completion of this activity, the participant should be able to:

- Appreciate use of PFO jet to estimate LA pressure
- Recognize pacemaker associated pathology
- Be able to assess atrial arrhythmia from M-mode
- Differentiate abnormalities in region of mitral annulus
- Recognize pathological versus physiological valve regurgitation

### **Statement of Need**

This activity is designed to facilitate cardiologists and sonographers in maintaining state-of-the-art knowledge in echo/doppler. Covering basic aspects to the most advanced in echo/doppler and its current use in clinical practice, it houses an extensive image library of illustrative cases, coupled with in-depth discussion points. The activity helps to maintain competence in a rapidly evolving field. It also aids in preparation for board exams and sonographers for certifying examinations. It also allows cardiologists and sonographers to maintain the dedicated echo CME requirement for updates and education.

### **Method of Participation**

This activity should take approximately 0.25 hour to complete. Participants should first read the objectives and other introductory CME/CE information and then proceed to the educational activity. To receive credit for this activity, participants must complete the post-test with a passing score of 80% and then complete the evaluation. Credit is provided through May 28, 2016. No credit will be given after this date. There is a membership cost to participate in this activity.

In the event you have questions about this activity or are unable to retrieve the certificate, please e-mail [cme@dannemiller.com](mailto:cme@dannemiller.com) and a certificate will be emailed within 2 weeks.

## **System requirements**

- Computer or smart phone with internet access
- Web Browser (IE 7.0+ or Webkit/Mozilla Compatible) with JavaScript enabled

## **Accreditation**

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 Dannemiller and Echo University Online. Dannemiller is accredited by the ACCME to provide continuing medical education for physicians..

## **Physicians**

Dannemiller designates this enduring material for a maximum of 0.25 *AMA PRA Category 1 Credit(s)*<sup>™</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

## **Faculty**

Dr. Allen Zelinger MD FACC FASE  
Associate Clinical Professor U of I at Chicago  
Director Echo Lab Advocate Christ Hospital and Medical Center  
President Echo University

## **Disclosures**

In accordance with the Accreditation Council for Continuing Medical Education (ACCME), Dannemiller requires that any person who is in a position to control the content of a CME activity must disclose all relevant financial relationships they have with a commercial interest.

The following faculty stated they have no relevant financial disclosure:

Dr. Allen Zelinger MD FACC FASE

Gordon Ringler, Dannemiller project manager has no financial relationships with commercial interests.

To resolve identified/potential conflicts of interest, the educational content was fully reviewed by R.D. Smith, DO, and a physician member of the Dannemiller Clinical Content Review Committee and Bernard Abrams, MD, Dannemiller Medical Director, who have nothing to disclose. The resulting certified activity was found to provide educational content that is current, evidence based and commercially balanced.

### **Off-label statement**

This educational activity may contain discussion of published and/or investigational uses of agents that are not indicated by FDA. The opinions expressed in the educational activity are those of the faculty. Please refer to the official prescribing information for each product for discussion of approved indications, contraindications, and warnings. Further, attendees/participants should appraise the information presented critically and are encouraged to consult appropriate resources for any product or device mentioned in this program.

### **Disclaimer**

The content and views presented in this educational activity are those of the authors and do not necessarily reflect those of Dannemiller. This material is prepared based upon a review of multiple sources of information, but it is not exhaustive of the subject matter. Therefore, healthcare professionals and other individuals should review and consider other publications and materials on the subject matter before relying solely upon the information contained within this educational activity.

**“PROCEED TO ACTIVITY” LINK BUTTON**