

QLAB Workflow for Automated Cardiac Motion (aCMQ)

Our goal at Philips Healthcare is to provide the clinical education you need to make the most of your equipment investment. Virtual instructor-led training (VILT) events use a robust online classroom platform that is specifically designed for highly-interactive, live online learning.

Philips ultrasound cardiovascular 133VILT

About virtual instructor-led training

Virtual training is a facilitator-led, live online learning event that is delivered in a virtual environment. Participants can be geographically dispersed and also individually connected. Each learner uses their own computer or other compatible device. Virtual training is synchronous, meaning that participants are connected at the same time as the

facilitator. Philips virtual training events typically range from 60-120 minutes in length with a maximum of 10 participants. This socially engaging, purposefully-designed training allows participants the same quality education of an instructor-led classroom without the need or expense of traveling.

QLAB Workflow for Automated Cardiac Motion (aCMQ) (CV133VILT)

Course description

Automated Cardiac Motion Quantification (aCMQ) is a clinically focused tool for measuring cardiac tissue motion and strain. Such measures have been shown to be very useful for evaluating a variety of cardiac motion abnormalities and has been proven to be a useful tool in the evaluation of cardiac function. The ASE and the EACVI speckle task force have made recommendations for a user-centered workflow. The document clearly recommend how to segment the left ventricle, how the GLS should be calculated, where the strain values should be taken and what are the appropriate bull's eye for strain imaging, etc. Philip's aCMQ has been created to align with these recommendations.

This virtual class will be an overview of how to use the aCMQ Application in the QLAB On and Off-cart to calculate Global Longitudinal Strain (GLS).

Course objectives

Upon completion of this course, the learner should be able to:

- Explain and discuss the recommendations of the ASE and the EACVI speckle task force for a user-centered workflow using Automated Cardiac Motion Quantification A.I. (aCMQ A.I.) QLAB to calculate Global Longitudinal Strain (GLS)
- Discuss the Preferences for Configuration Options that are recommended based on the feedback from clinical experts.
- Explain multiple ways to edit and confirm Aortic Valve Closure Timing.
- Demonstrate the correct placement of the analysis reference points for accurate quantification of GLS.
- Explain how to recognize when the reference points placement needs to be edited and adjusted.
- Discuss the different ways of displaying the GLS results.

Audience statement

This course is intended for clinicians who have a need for further knowledge of QLAB controls and tools.

Prerequisite

A thorough knowledge and understanding of 2D ultrasound imaging fundamentals and system instrumentation is required for this program.

For more information

Contact Philips ultrasound clinical education at 800.522.7022 and visit our education catalog at www.learningconnection.philips.com/ultrasound

