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Clinical Education

QLAB Workflow for a2DQ and TMAD

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 134VILT

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 a2DQ and TMAD (CV134VILT)

Course description
Assessment of cardiac volume and ejection fraction (EF) is integral to cardiac diagnosis and patient management. The QLAB utilizes Anatomical Intelligence A.I that is featured in the Auto 2D quantification (a2DQ) Q-App to detect borders for the left ventricle and atrium using speckle tracking. Auto Tissue Motion Annular Displacement (aTMAD) provides global cardiac quantification based on tracking of the cardiac valve's annular motion when it maybe difficult to accurately obtain a border traced EF.
Color Kinesis (CK) analysis is used to apply a color overlay to mark changes in endocardial border position or to identify and quantify valve annular motion during the cardiac cycle.
This virtual class will be an overview of how to use the a2DQ application in the QLAB On and Off-cart to provide rapid access to 2D EF and volumes and annular displacement.

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.

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

- Explain and discuss the function of the Auto 2D quantification (a2DQ) Q-App for automated border detection analysis of 2D echo images
- Perform the steps essential to a2DQ workflow for automated Ejection Fraction/Fractional Area Change
- Perform the steps essential to the Auto Tissue Motion Annular Displacement (aTMAD) work flow.
- Explain the setting preferences for the selected workflow.
- Demonstrate the correct placement of the reference points for Auto 2D Quantification.
- Describe the data that is included in the Cardiac Function Report.

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

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