

Only 3 steps to EF and Global Longitudinal Strain (GLS) Bulls Eye when acquiring with Smart Exam protocol!

Only 6 Steps without Smart Exam.

1. Select preferred images from: Review, off-cart; or any supported PACS.

**Note:** Standard apical and short axis views and an ECG signal are required for Global aCMQ <sup>A.I.</sup> (figure 1).

2. Launch **aCMQ <sup>A.I.</sup> Q-App**. **Global** tab activates automatically. R-AVC is will automatically populate once AP3 view completed.

Optional: Manually set AVC time in Cardiac Cycles tab (figure 3).

**Note:** Additional methods available include **User Defined** and **aTMAD <sup>A.I.</sup>**.

3. Select the **ROI View** that matches the displayed image in the **Region of Interest Tab** (figure 1).

**Note:** Appropriately labeled Smart Exam images are automatically matched to the appropriate View template and computed.

4. **Auto ROI** automatically sets annular and apical points following view selection; and begins computation (progress is displayed in the blue bar). If user activates Edit ROI function, **Compute** (under Edit ROI) must be pressed to activate computation.

5. **Auto EF** automatically calculates and displays EF in the right panel. **Global Strain** for the current view displays at top of image (figure 2). Segmental names and values appear on the image border.

6. Repeat steps for all images.

## Editing the ROI template:

- Press **Edit ROI** tab and hover over region until hand appears, then click and hold **left select** and drag.
- Edit the inner and outer edge; entire myocardial wall or segment, apex and basal segment. Click **Compute** to activate computation.

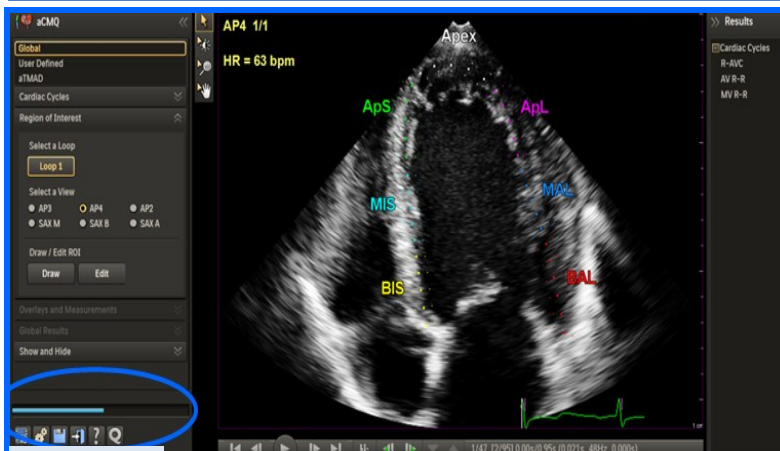


Figure 1

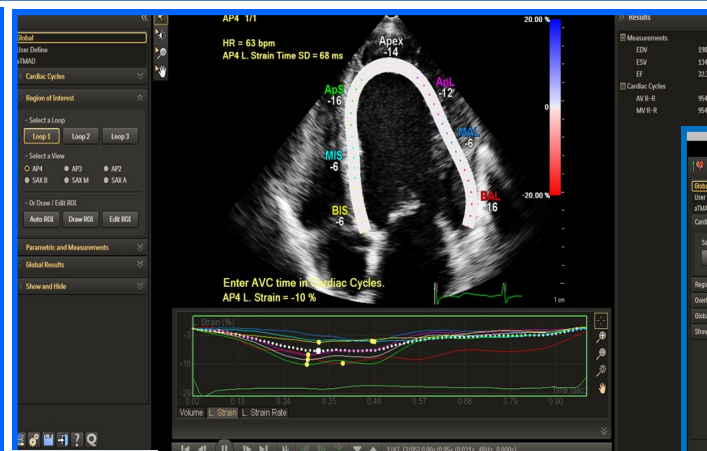


Figure 2

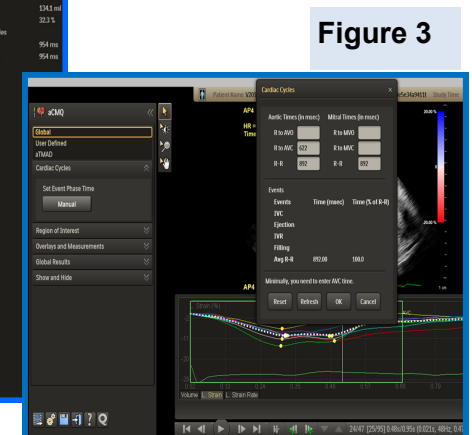
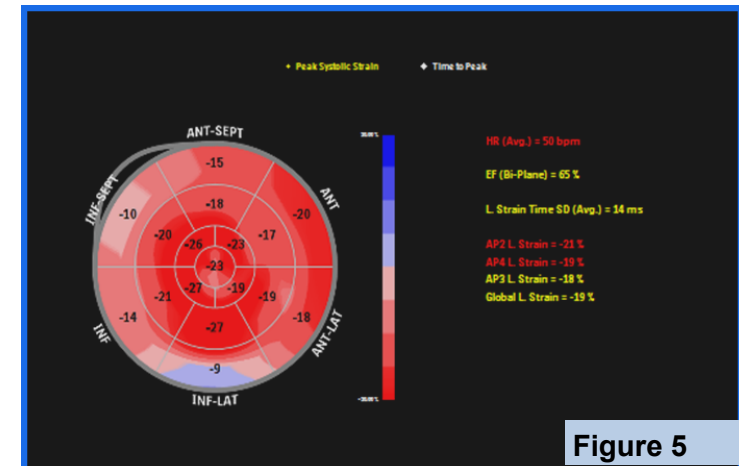
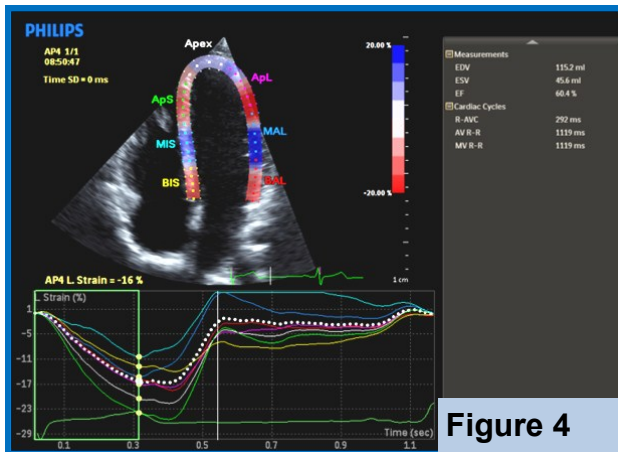


Figure 3

## Results Displays:

- **Waveform Display:** Click on **Volume**, **L strain** or **L. Strain Rate** tab's below waveform area to display parameter results. Hover over each waveform to display the segment's parameter information. The white dotted waveform is the global function curve. (figure 4)
- Click **Global Results** in Left Panel to display the Bull's Eye (figure 6). Select **Peak Systolic Strain** or **Time to Peak** (figure 5). Bull's Eye default color is smooth, but can be changed to solid in **Preferences**. Also, in Preferences the Bull's Eye can be changed. Pseudo 17 is default.



**Figure 6:**  
Global Tab  
Left Panel configura-

