Quick Card: 3DQ and 3DQ Adv Q-App QLAB 10.0 on Xcelera

PHILIPS

Requirement Needed to Perform: 3DQ: A valid 3D data set apical 4 chamber view with ECG.

3DQA: A valid Full Volume in HVR, 2,4, or 6 beat.

Auto ES: Improves workflow by automatically advancing to the End Systolic frame. Reduction of Steps as well as enhanced workflow.

3DQ Adv. Workflow Tasks:

Select 3D dataset from an active study in US Viewer and click the yellow pyramid icon to open QLAB. Open QApps tab, click icon 3DQ Adv.

- 1) Find the End Diastolic Frame: Confirm ED Frame then align the corresponding MPR's to center LV from Apex to Base. Press Next
- 2) Enter ED Reference Points: Place the points on the mitral medial and lateral annulus and Apex for the 4 and 2 chamber views. Edit if necessary by left clicking, hold, drag and release. Press Next
- 3) Find the End Systole Frame: Confirm ES frame then align the corresponding MPR's to center the LV from Apex to Base.
- 4) Enter ES Reference Points: Place the points on the mitral medial and lateral annulus and Apex for the 4 and 2 chamber views.
- 5) Edit Borders if necessary. Once this step is completed will see the EF calculated in the Right Panel Results region. (figure 1)
- To Delete all measurements and steps click Delete All. To (un)hide click the Borders, Ref. Mesh, Segments tabs.

To Reset MPR's: Press Controls tab, then View tab, then Reset MPR.



Within the **Controls** Tab workflow tabs for:

View, Slice, Trim/Crop and Image Adjust (figure 2)

View	iSlice	Trim/Crop	Image Adjust
MPR			*
	IPR		
R	eset MP	R 3D Hor	ne
M	ode		
v	olume	Slice Plane	•
М	PR Select	t	
G	i R	B 3D	Figure 2

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QLAB 10.0 Quick Card: 3DQ and 3DQ Adv Q-App



🥚 3DQ Adv 🛛 🔍	3DQ Adv Workflow		
Tasks Controls ✓ 4. Enter ES Reference Points Place the 5 reference points onto the corresponding 4 and 2 chamber views	1) Find the Diastole Frame: Confirm Ed. Align MPR's to center the LV Apex to Base. Place yellow arrow in the short axis view at center of the interventricular septum.		
at the mitral annulus and Apex. Edit borders if necessary. Finish Edit Border	 Enter ED Reference Points: Place the 5 reference points on the 4 and 2 chamber views. Edit if necessary. Click Finish Edit Border. Click Next 		
Update Clear points	3) Find the End Systole Frame: Confirm Auto ES frame; and align LV from Apex to base. Press Next		
If desired, Press the 'Sequence Analysis' button to continue regional quantification. Sequence Analysis	4) Enter ES Reference Points: Place the 5 reference points on the 4 and 2 chamber views. Edit if necessary. Click Finish Edit Border. If desired Press the "Sequence Analysis button to continue regional qualification.		
Delete All Annotation	Steps 5 and 6 are Optional Steps.		
Shell View Labels Borders	Step 5 Review and Edit Borders: Selections - Start Edits or Start Smooth Step 6 Review Results: Enable ring Select button, Report Page and Override Heart Rate.		
Ref. Mesh Segments			

TIP: If user would like to see Ring larger, click on chevron located at the bottom of the waveform to collapse the waveform and make selections on ring, then click on chevron to open waveform .

Report Page : User's will have choices of Global (figure 5), Region (msec) (figure 6), Regional (% R-R) (figure 7) and Parametric Imaging (figure 8) tabs.

