Cardiac MR

1. Select the data set that reads “SAX Sorted”.
   a. If you do not see this option, select all of the short axis data sets, right mouse click and choose Series Management/Phase Sort Data.
   b. This will create a new series titled “SAX Sorted”

2. Left click on the “LOAD” icon located in the center of the screen, choose CardiacMR.

3. If your workflow does not appear exactly as displayed below, please do the following

4. Open Preference Settings

5. Go to the General tab/ Application Error/ Left click on Set to Default
6. Left click on Workflow, select OK...please see screen shot below

7. The application will automatically close and reopen.

8. Load the correct data set into MR Cardiac, the correct Workflow Template will now be visible.

9. Depress the middle mouse wheel to zoom image, the heart should fill the screen

10. Locate start and end position.

11. Left click on the “NEXT” icon located towards the right lower corner of your screen.
12. Make sure “Show Slice/Phase Table” is selected

13. If the Phases between the End Diastolic and End Systolic are not highlighted in the table, hold shift, left mouse click on the ES and ED of the Phase Table. Make sure Interpolation Type is Contour Tracking.

14. The application finds the End Diastolic and End Systolic Phase for both LV and RV.
   a. To change either one, left click on the drop down arrow next to the phase you wish to change.
   b. To edit the contours, hold shift, left mouse drag the contour to the desired location.
   c. Do the LV first (both diastolic and systolic) and then the RV.
15. To quickly get to the End Diastolic & End Systolic phase, left click on the arrows to the right of the phase.

16. After editing of the contours is complete, left click on the Recalculate button

17. The new EF will be shown below

18. Left click on Next in the lower right corner of the application

19. The right mouse menu within the Text Box has options to show graphs, polar maps, and to capture the text results as a dicom image

20. To change between LV and RV results simply left click on the option
21. To see motion maps, select the motion tab located in the lower right corner of the application.

22. Make sure to VALIDATE before exiting the application.