


Computing Diastolic Function Parameters

4D-MSPECT offers the option to estimate diastolic function parameters from the LV volume curve on the Surf-QA screen or a user-defined screen. ***This option requires that there are at least 16 frames in the gated study.*** With this option and sufficient frames, the LV volume curve will be fit with a 4th order harmonic function, and the following parameters will be derived and displayed:

- PFR – Peak filling rate for the LV
- PER – Peak emptying rate for the LV
- TPFR – time to peak filling rate measured from time of ES. This position will be marked with a vertical dashed line.
- TPEF – time to peak emptying rate measured from time of ED
- MFR3 – mean filling rate in first third of filling cycle
- HR – heart rate measured during the gated acquisition

To activate computation of Diastolic Function, execute the following steps

STEP 1: Access the Preferences Dialog

Click the  button from the Corridor4DM application button panel (lower left strip of button). This will present the Preferences Dialog (c.f. Figure 1).

STEP 2: Access the Algorithms Page

Select the **Algorithms** tab which provides the form to modify the Algorithms Preferences.

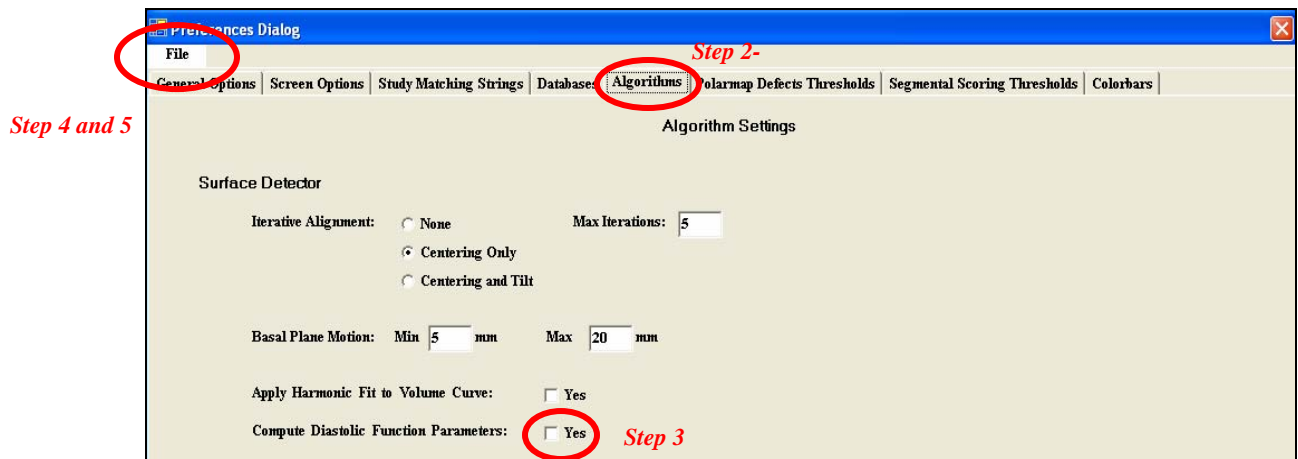


Figure 1 Preferences Dialog with Algorithms Page Selected

