

Configuring 4DM to Display Prone and Upright Datasets

OVERVIEW

Imaging in the prone or upright patient positions provides the ability to determine if an apparent perfusion defect in the supine patient position is caused by attenuation or is a true defect. 4DM must be configured to simultaneously display supine and prone or upright datasets for comparison.

HOW-TO GUIDE

Screen Layout:

1. Launch a supine patient study with prone or upright image data into 4DM and select **Preferences** (see 1 Figure 1) from the **Control Panel**.
2. Under **User Specific Settings**, select **Screen Layout** (see 1 Figure 2).
3. Under **Active Screens** locate each screen you wish to display supine and prone or upright on, for (ex. MI Processing screen) and use the drop-down menu to set the Dataset Layout to Supine/ Prone Perf + Func (2 Figure 2).

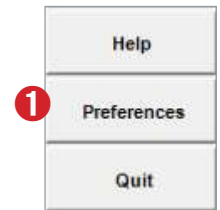


Figure 1. Control Panel

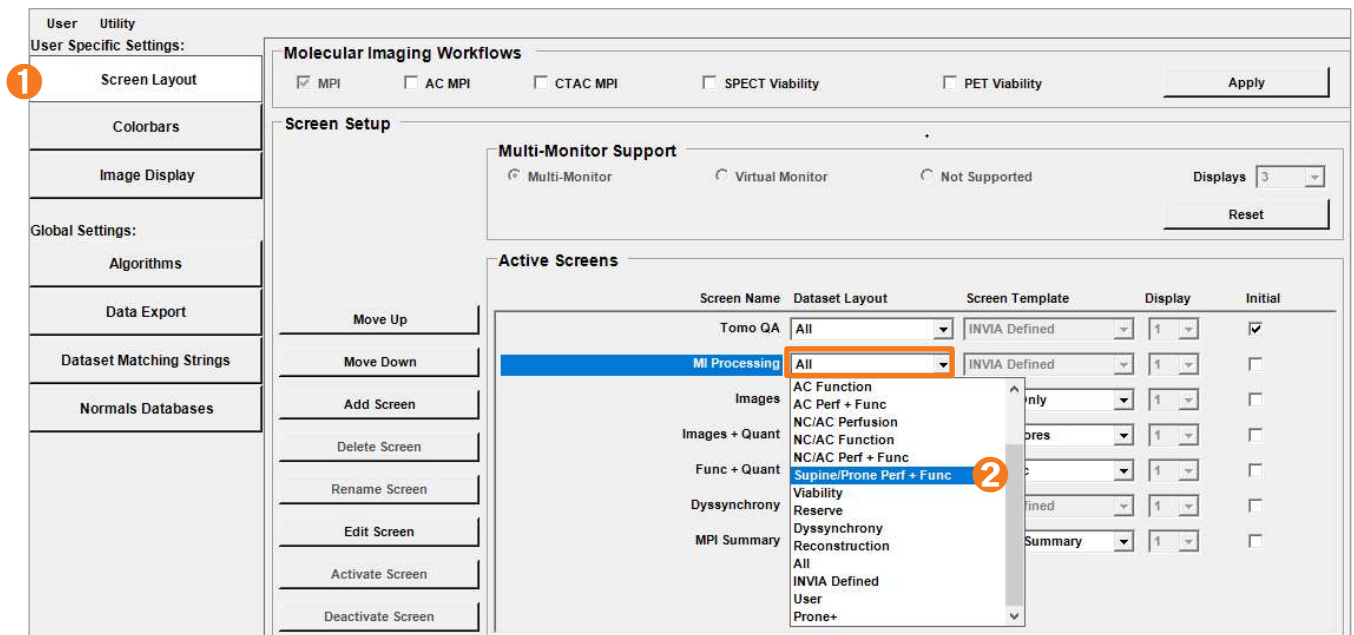


Figure 2. Screen Layout within Preferences

4. In **Dataset Layout Builder** select Supine/Prone Perf + Func from the Dataset Layout Priority drop-down menu (see 1 Figure 3).

****DSPECT camera customers who image in the upright position, note that 4DM recognizes upright datasets as prone datasets. Use the Prone Layout Option where you intend to see Upright.****

5. Select the Dataset Layout Priority that describes the images you wish to see on the selected screen (ex. GStr/Str/Str-P).

6. If the desired Dataset Layout Priority is not on the provided list, create it by using the available **Dataset Layout Options**. Double-click on a **Dataset Layout Option** (see 2 Figure 3) to add to the **User Generated Layout** (see 3 Figure 3). Once the layout is complete, click **Add** to add the dataset layout option to the **Supine/Prone Perf + Func Dataset Layout Priority List**.

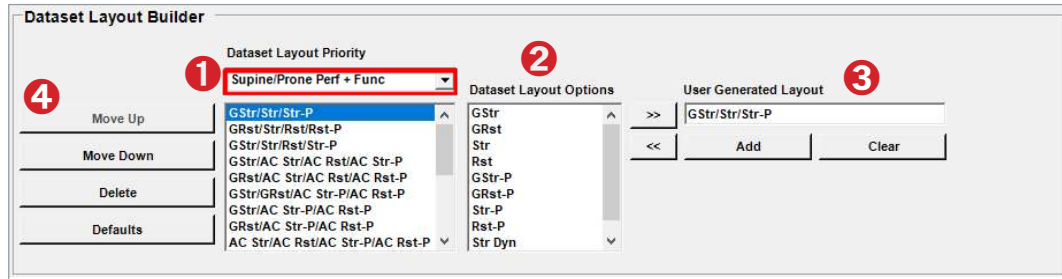


Figure 3. Screen layout within Preferences

7. Move the desired Layout to the top of the **Supine/Prone Perf + Func Dataset Layout Priority** by clicking **Move Up** (see 4 Figure 3).
8. 4DM temporarily stores files on the local drive, to help recover lost data if the program were to close abruptly. To apply new preference changes permanently, these temporary files must be deleted. Select the **Utility** menu (see 1 Figure 4), click **Clean Up Files on Exit** (see 2 Figure 4), and then click **Yes**.
9. Click **Save** within **Preferences** to permanently save these configurations.
10. **Quit** out of 4DM.

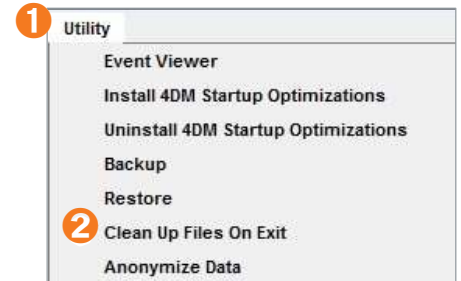


Figure 4. Utility menu within Preferences

To verify the new image display, perform the following:

Relaunch the same patient dataset with prone or upright datasets into 4DM. Select the screen that was previously edited (see Figure 5). The screen should now display supine with upright or prone datasets automatically.

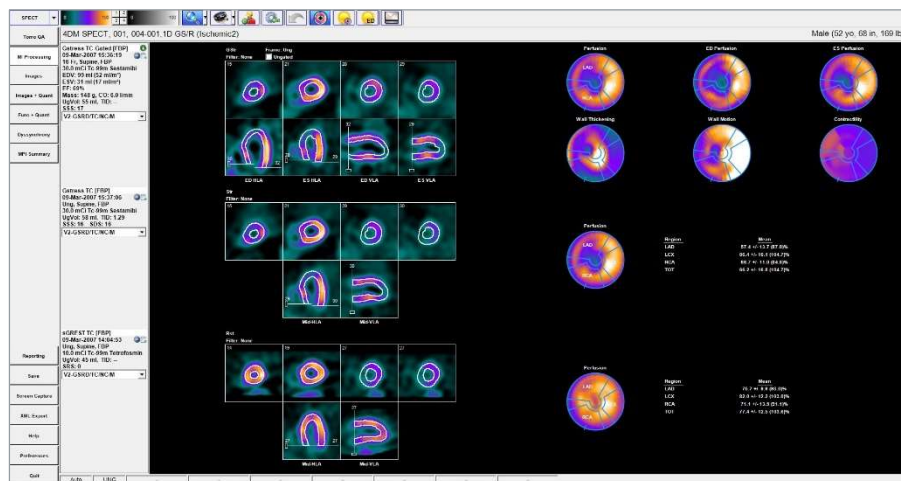


Figure 5. MI Processing screen