

Save 4DM DICOM Results

OVERVIEW

Users can save adjustments to processing limits, regions of interest (ROI), or manually entered scores (e.g. segmental scores, calcium scores). Additionally, demographics and reporting information entered into the Corridor4DM integrated report generator can be saved as part of the patient image data. Collectively, the information that is stored are known as 4DM DICOM result files. Each subsequent time a patient is launched into Corridor4DM, the 4DM DICOM result files load along with patient image data.

HOW-TO GUIDE

Users are encouraged to save DICOM results after the initial, and each subsequent time, patient datasets are launched and changes are made to patient image data processing. Select the **Save** button from the **Control Panel** (see **1** Figure).

To save 4DM DICOM patient results, perform the following:

1. Launch patient data into 4DM.
2. Perform quality assurance and perform necessary processing adjustments to the patient data on the **MI Processing** screen or **MUGA** screen.
3. Assess 4DM review screens (e.g. Images, Images + Quant, CT Viewer) and make any necessary observations or measurements.
4. Enter patient demographic, history, or report findings using the **Reporting** button
5. Select the **MPI Summary** screen and review patient image data with perfusion and function estimates.
6. While on **MPI Summary**, select the **Save** button and the *Save Data* window appears (Figure 2).
7. Make selections under **Result Format** and **Datasets to Save** (see page 2 for more information), then select **OK**.



Figure 1. Control Panel

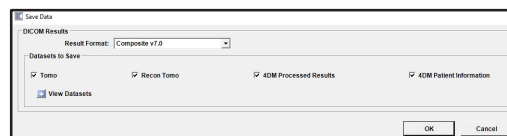
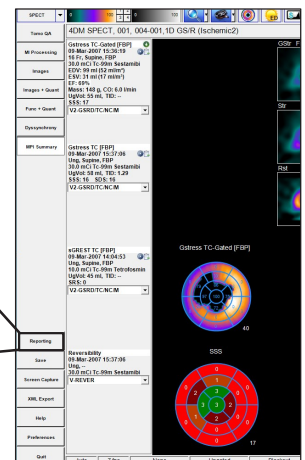


Figure 2. Save Data window



8. Users have the option to create **XML Formatted Results** that contain 4DM values from within the Save Data window. Reference Chapter 10 of the 4DM User's Guide for additional information related to XML File Results options.

SAVE RESULTS SETTINGS

4DM save DICOM results settings can be selected each time the **Save** button is clicked to apply save results settings specific to the patient image data that is currently loaded. The settings can also be configured as a **Global Setting** within the application, which configures the pre-selected save DICOM results settings for all patient image data launched into 4DM.

To access and configure the Save Data global settings, perform the following:

1. Click the **Preferences** button (see ❶ Figure 3) in the **Control Panel**.
2. Select the **Data Export** page (see ❷ Figure 3).

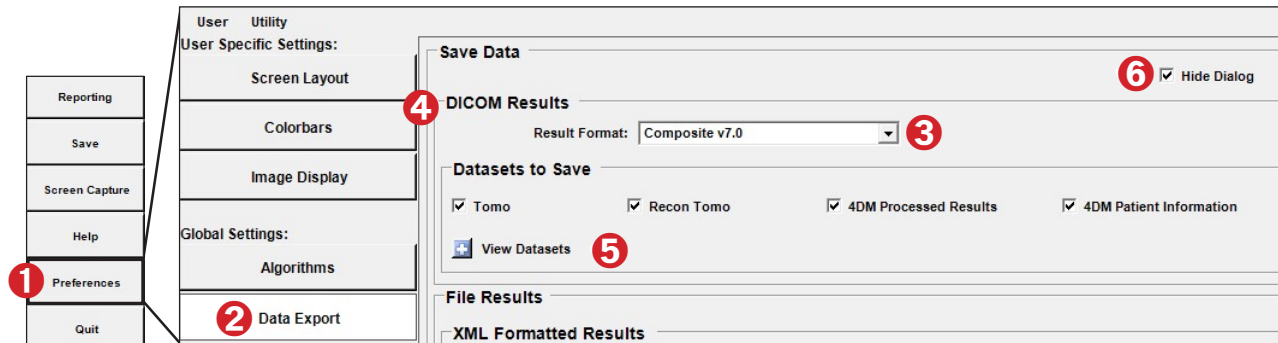


Figure 3. Save Data settings on Data Export page in Preferences

To configure Save Data settings in the Save Data window or Save Data Global Settings, select from the following:

- **Result Format** (see ❸ Figure 3)
 - **Individual Pre v7.0** – Result files are saved separately for each reconstructed dataset launched into 4DM and are compatible with versions earlier than v7.0 (e.g., 4DM v5.2).
 - **Individual v7.0** – Result files are saved separately for each reconstructed dataset launched into 4DM and are compatible with 4DM versions 7.0 and later (e.g., 4DM v2010).
 - **Composite Pre v7.0** – Result files for each selected dataset launched into 4DM are saved as a single file that is compatible with versions earlier than v7.0 (e.g., 4DM v5.2).
 - **Composite v7.0** – Result files for each selected dataset launched into 4DM are saved as a single file that is compatible with 4DM version 7.0 and later (e.g., 4DM v2010).
- **Datasets to Save** (see ❹ Figure 3)
 - **Tomo** – Results will include 4DM generated motion-corrected (MC) tomographic (e.g., raw) datasets. This option is only applicable for 4DM Reconstruction Option Users.
 - **Recon Tomo** – Results will include 4DM generated MC or non-MC reconstructed datasets. This option is only applicable for 4DM Reconstruction Option Users.
 - **4DM Processed Results** – Results will include patient data processed within 4DM processing screens (automatically or manually), ROIs, and manually entered scores.
 - **4DM Patient Information** – Results will include patient demographics, history, and reporting information. This option is only available for English versions of 4DM.
- **View Datasets** (see ❺ Figure 3)
 - Displays or hides the datasets that are available to include in the created results file(s).



The *Save Data* window can be hidden as a global setting by selecting the **Hide Dialog** toggle (see ❻ Figure 3).

If the **Data Export** page settings are configured within Preferences, click **Save** to permanently store the save DICOM results settings for all patient image data launched into 4DM.