

Method Note

PMOD File Management & Starting Preferences for Bruker PET Data

Introduction

This note describes tips for file management and preference settings for Bruker PET study data. These are recommendations for initial use and do not detail specific analysis workflows.

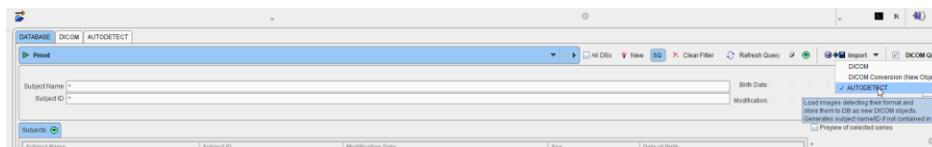
PMOD Database

Processing data from the PMOD Database can facilitate easier file management and image processing. Files can be easily re-saved to the database following processing to allow users to “pick-up” where last processing ended. VOIs can be saved in the database and “associated” with the file for subsequent retrieval. Multi-modal studies including cross-platform data can be easily grouped.

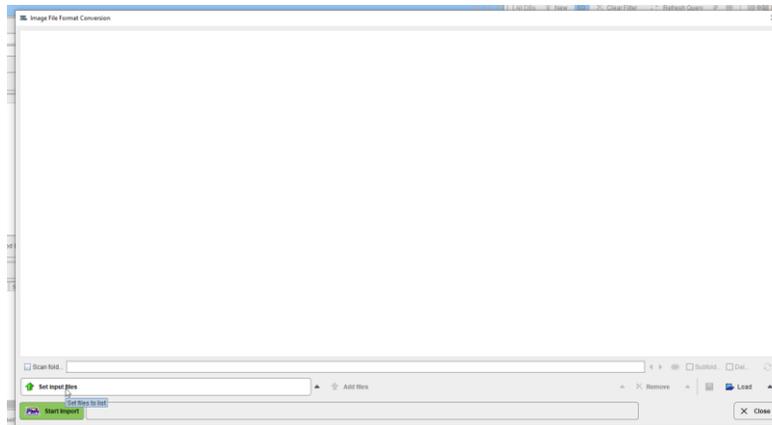
Database and File Import

Typical approaches for importing Bruker PET data to the PMOD Database include:

- **For PET studies acquired using ParaVision 360**, data can be transferred directly via the PMOD DICOM server. If the ParaVision 360 DICOM export is configured for the PMOD Database, data will be immediately available in the PMOD Database after selecting Export to DICOM in ParaVision. Your PMOD must be active during the transfer.
- **For PET studies acquired using the Albira Software Suite**, first select the Import Button and AUTODETECT as below.



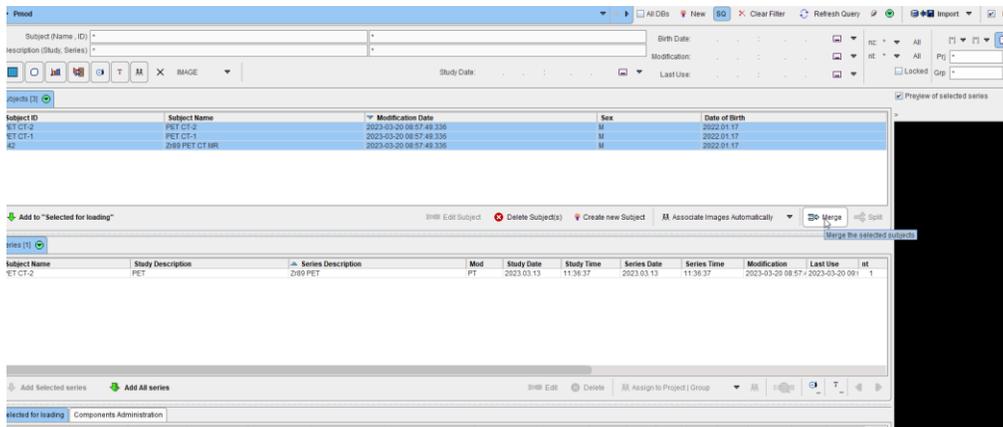
- At the dialogue select the Set Input Files (as below), and select data files for import. (Where available select the “...CT-SPECT-PET-ForFusion” version).



Merging Studies in Database

Users may find it helpful to Merge individual scan study data.

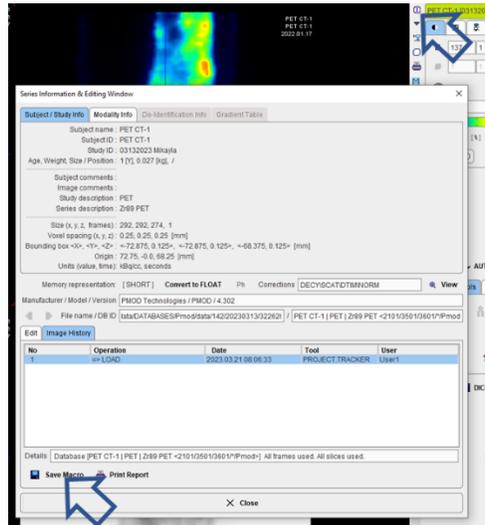
- To Merge study data, highlight the files from the database and select Merge as shown in the example below.



Save and Apply Macros

Processing routines such as Rotations, Mirroring, and Filtering may be saved for recall.

- Perform all desired processing for a representative image file.
- Once complete, select the Series Information & Editing > Image History menu and select Save Macro as shown below.



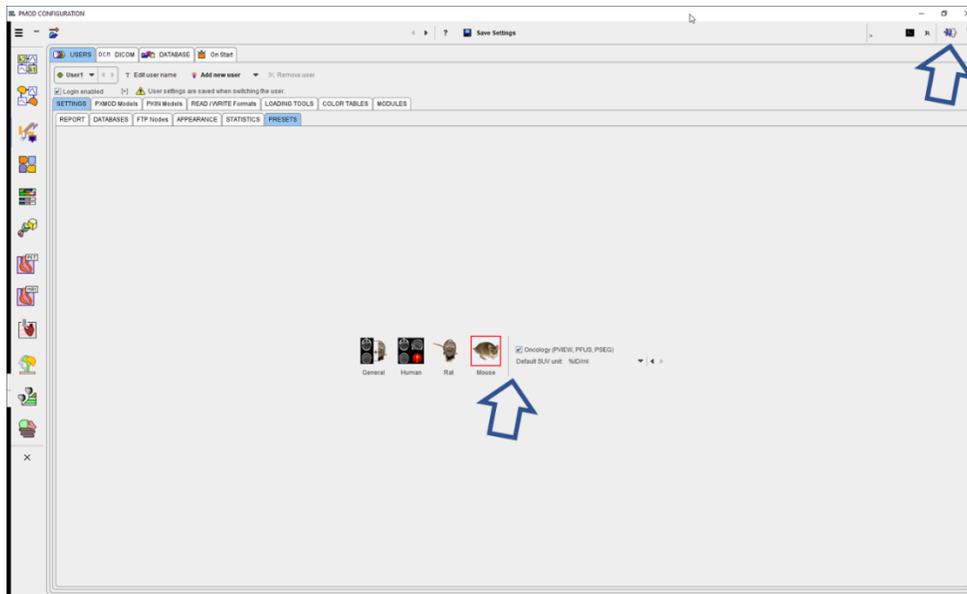
- The Macro may be recalled and applied to additional data by executing at the Load With Processing menu when opening new data, or at the Image Processing tab>Ext tab>Macro selection at the pull-down menu.

Presets & Applications Settings

Users may set default scaling, units, and views for data at the Presets and Applications Settings menus. The preferences below are suitable for many preclinical imaging facilities.

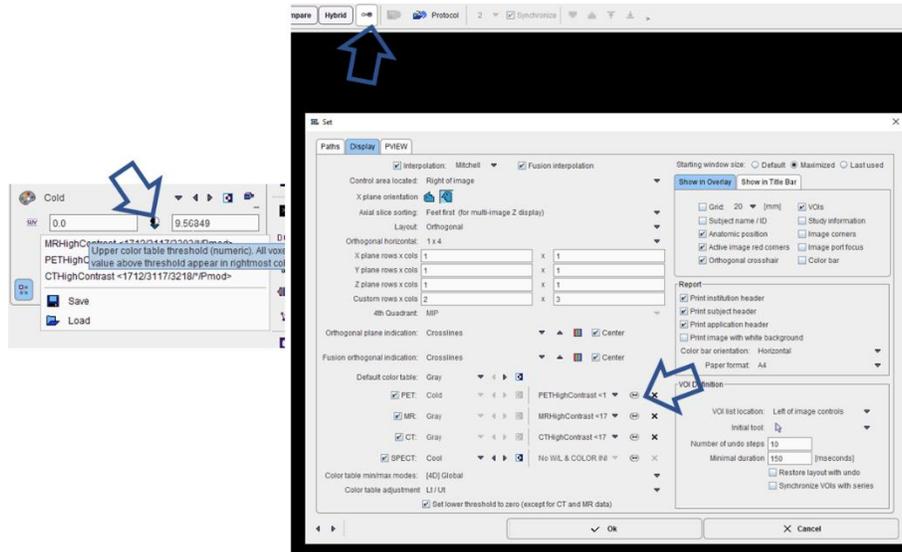
Configurations and User Settings

- Select the Configurations and User Settings button > Presets tab as shown below.
- Set Default Species, Activate Oncology View and set Default SUV unit to %ID/ml.

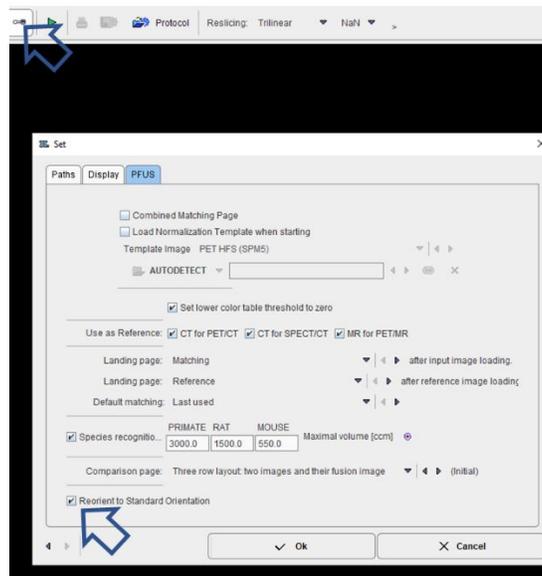


Applications Settings

- To set default modality Max and Min display scale and color table, first set a preset for a representative dataset at the View module as shown at left below. Then, at the Applications settings > Display menu, select the desired color table and preset for each modality as shown at right below.



- In the Fusion module, check the “Reset to Standard Orientations” box in the Applications Settings > PFUS tab menu as shown below.



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