

Creating a New Workflow

OVERVIEW

Corridor4DM enables users to create their own specific workflows for use in 4DM in addition to the standard workflows that are provided with the application. The user can set up their workflow with a unique label and customize settings without affecting the other standard workflows. This feature is beneficial for a site that has 4DM workstations with multiple users who want specific workflow screens settings.

Refer to the **Create a New Workflow Screen** Reference Guide to design and build a new custom screen that can then be added to any workflow.

HOW-TO GUIDE

To create a new workflow in 4DM, a **New User** is created within the application that serves as a new workflow. The new workflow, named as desired, will then be available for selection via the **Workflow Selector** (see ❶ Figure 1). Once the new workflow is created, the new workflow can be customized utilizing the **User Specific Settings** pages (e.g. Screen Layout, Colorbars) within 4DM **Preferences**. When creating a new workflow, the user has the option to either base it on a pre-existing workflow, or workflow screens list can be assembled and ordered using the **Molecular Imaging Workflows** selections.

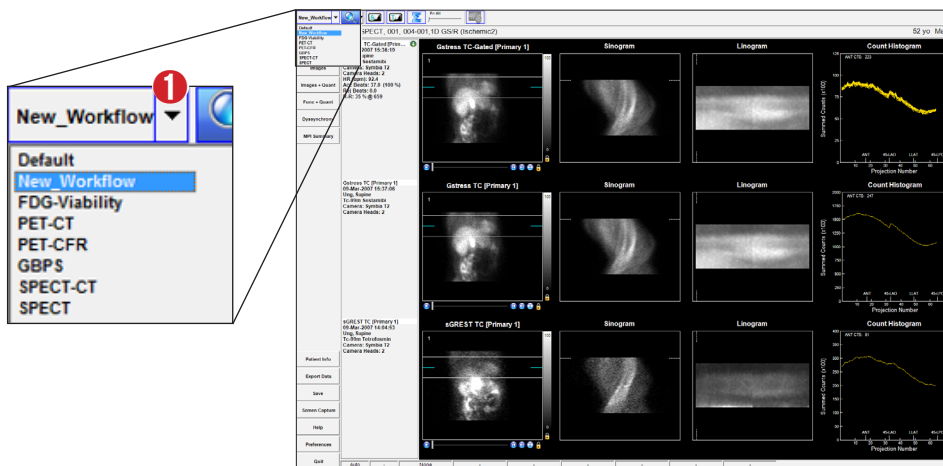


Figure 1. Workflow Selector

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The backup of a new user is recommended after configuring **Screen Layout** and **Colorbars** pages in 4DM Preferences. Refer to the **Backing up 4DM Preferences** Reference Guide.

How to create a new workflow:

1. Launch a patient into 4DM.
2. If desired, click the **Workflow Selector** (see ❶ Figure 1) to choose a pre-existing workflow to use the workflow screens as the basis for the new workflow.
3. Select the **Preferences** button (see ❶ Figure 2) from the **Control Panel**.
4. Select the **User** menu (see ❶ Figure 3) from the **Preferences Window Menu** and click **Create New User** (see ❷ Figure 3).

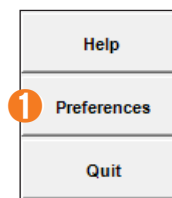


Figure 2. Control Panel

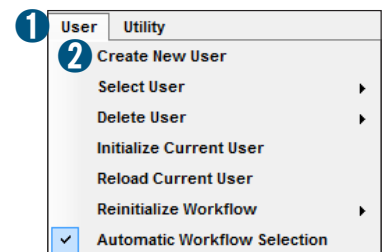


Figure 3. User menu in Preferences

5. After the *Create New User* window appears (Figure 4), enter a unique label for the workflow in the **New User** field and click **OK**.

Note: The new workflow name has to be entered with no spaces using alphanumeric characters, dashes, or underscores.

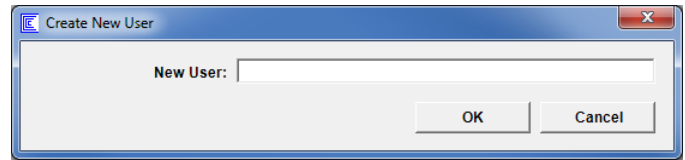


Figure 4. Create New User window

Screen Layout - Workflow Screens List configuration:

When creating a new workflow, the workflow screens are initially based on the pre-existing workflow that was selected when the new workflow was created. If desired, the user can start over by building the workflow screen list using the **Molecular Imaging Workflows** options, which uses 4DM default layouts and screen options.

1. Select the **Screen Layout** page (see ❶ Figure 5).
2. Select the **User** menu (see ❶ Figure 6).
3. Click **Select User**, and choose the new workflow that was created (see ❷ Figure 6). When selected, the workflow name is displayed (see ❸ Figure 6).
4. Select one or more of the **Molecular Imaging Workflows** options (Figure 7) to serve as the basis for the workflow screens and click **Apply**. For example, a workflow designed for PET/CT myocardial perfusion imaging and viability studies would select **MPI**, **CTAC MPI**, and **PET Viability**.

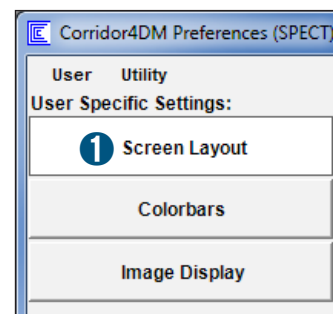


Figure 5. User Specific Settings

- **MPI** - (see ❶ Figure 7) activates the base myocardial perfusion imaging workflow screens, which is always selected.
- **AC MPI** - (see ❷ Figure 7) activates workflow screens and dataset layout options specific for attenuation correction without CT.
- **CTAC MPI** - (see ❸ Figure 7) activates workflow screens and dataset layout options specific for CT attenuation correction including dedicated CT-specific screens.

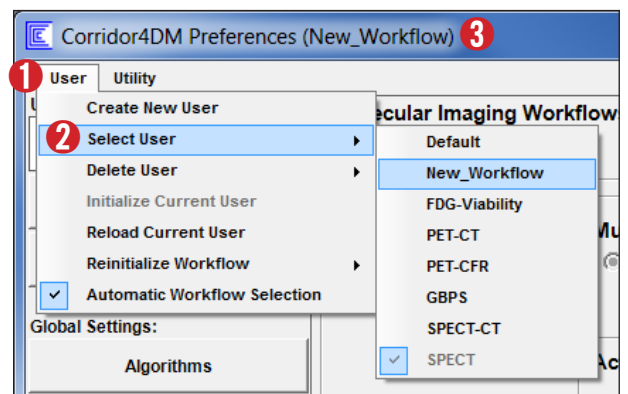


Figure 6. Select User menu

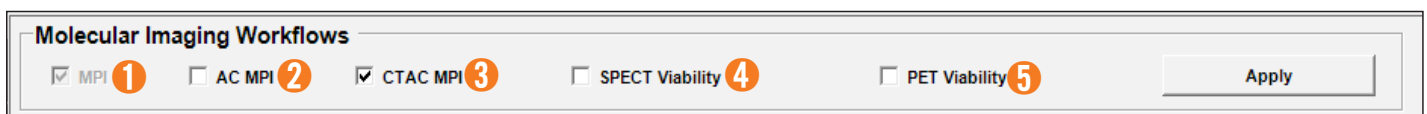


Figure 7. Molecular Imaging Workflows options

- **SPECT Viability** - (see ❷ Figure 7) activates workflow screens and dataset layout options specific to SPECT viability.
- **PET Viability** - (see ❸ Figure 7) activates workflow screens and dataset layout options specific to PET viability.

- After the new workflow screen list is set up, refer to the **Changing the Workflow** Reference Guide for rearranging the order of workflow screens and the **Create a New Workflow Screen** Reference Guide to add a new custom screen to the workflow.

Colorbars - Workflow Colorbar configuration:

When a new workflow is added, the initial colorbar settings are based on the pre-existing workflow that was selected. When configuring the **Colorbars** page (Figure 8) in 4DM Preferences, refer to the **Customize Colorbar Settings-All Screens** Reference Guide to update colorbar preferences used across all workflow screens or the **Customize Colorbar Settings-Individual Screens** Reference Guide to update colorbar preferences on individual workflow screens. Additionally, the **Add a New Colorbar** Reference Guide is useful for adding custom colorbars to 4DM for use on workflow screens.

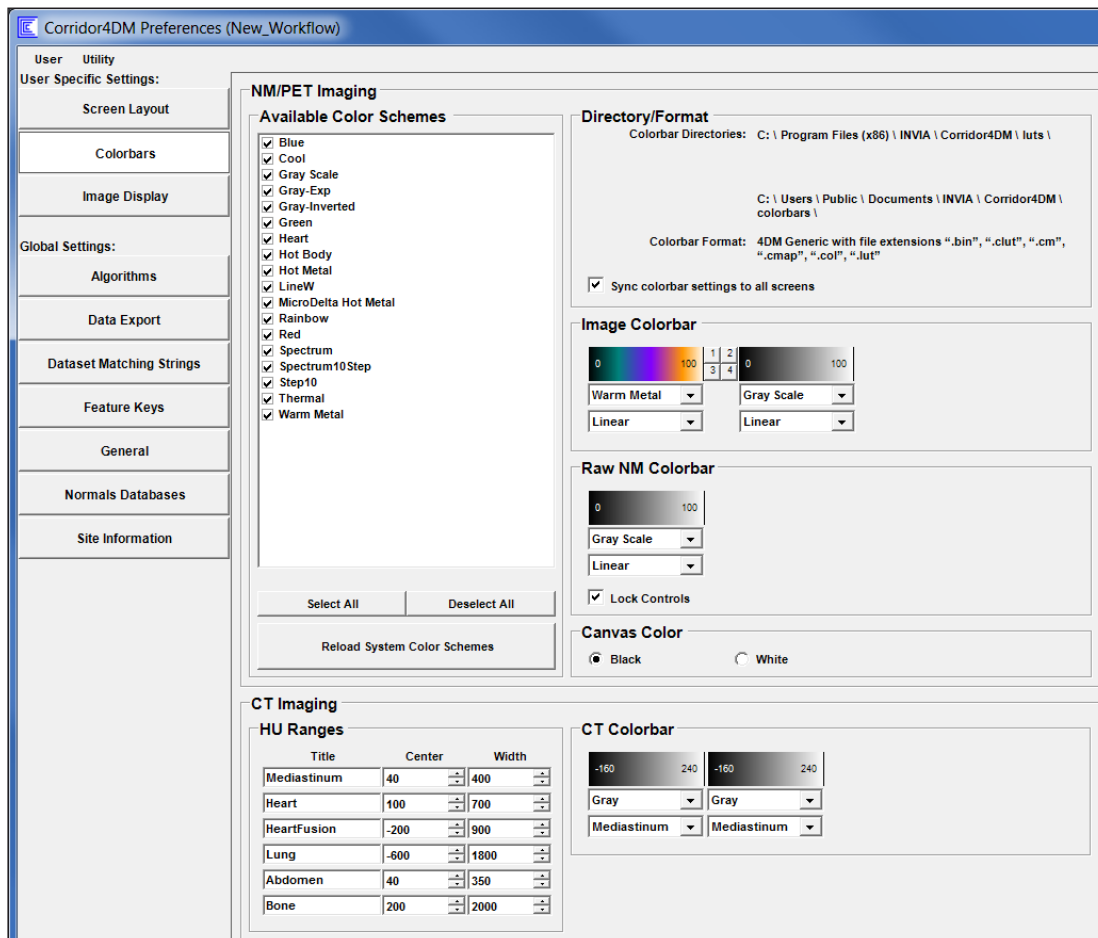


Figure 8. Preferences Colorbars page

SUMMARY

Once a new workflow is created, it cannot be set as the default workflow to launch when a dataset is loaded into 4DM. Instead, the user must select the new workflow from the **Workflow Selector**. For the new workflow, the **Screen Layout** and **Colorbars** pages within 4DM Preferences can be customized specifically for the new workflow.