18 Preferences

Access the preferences from the IntelliSpace Portal Directory window.

1. Click **Preferences** to open the Preferences window.

    The left side of the Preferences window contains a list of expandable/collapsible categories. Some categories are application specific, while some are system-wide preferences.

2. Expand the **NM** or **PET** preferences category.

3. Click the appropriate subcategory to view and change the associated preferences options.

4. When you have finished working with the preferences, choose one of these options:

    - Click **Default** to reset the current properties to their factory settings.

    - Click **OK** to accept changes to the current properties.

    - Click **Cancel** to cancel changes to the current properties.

NOTICE

The preferences in the NM and PET categories only apply to NM applications. They do not apply to CT applications.

NM

Windowing

Preference	Description
Windowing Model	Associates selected modalities with either an UpperLevel/LowerLevel or Window/Center windowing model.
Colormaps	Select the colormaps to use in the viewer from the list of available color mapping options. Those colormaps that are not selected are not available when you open the viewer.
Color Display	Set color display options by image modality for images displayed as single, reference, and floating.
Colormap Import	Import colormaps from external sources such as CDs or flash drives.

Viewing

Preference	Description
Activity Units	Show Activity Units in Bq (Si) or Ci (Traditional).
Display	Click in the box to change the units shown for height and weight. If the box contains a check, height and weight are shown in units of cm and kg. If the box does not contain a check, height and weight are shown in units of inches and lb.
Dynamic Image Compression Factor	Specify a compression factor.

Annotation

Preference	Description
DICOM Annotation	Specify minimum and maximum font sizes, font color and default annotation level.
Patient Info Banner	Specify whether to show the Patient Info Banner and what fields to display in the banner.
Orientation Label	Specify the default color and font size for the orientation label, and chose whether to show the label.
Graphic Text	Specify the default font size.
Predefined Text	Select an application from the drop-down list and type your predefined text into the box below the drop-down list. The text is associated with the application currently selected in the list. Specify the color for the text.

Tools

Preference	Description
Layout Management	Specify whether to import or export the selected layout for the NM Viewer. Click Browse to find layout files on the system or a USB device.

PET

Windowing

The NM Viewer windowing preferences allow you to associate data combinations with specific layouts.

NOTICE

The Pet Display Values preference listed below is similar to preferences shown in the IntelliSpace Portal Regional Settings Preferences window. However, the preferences listed below only apply to NM applications, while the preferences shown in the Regional Settings Preferences window only apply to CT applications. The windowing preferences you set here are not applied to CT applications.

Preference	Description
PET Display Values	Click to set the PET display values as SUV, Count, or Activity/Volume. The viewer defaults to SUV as its display value.
SUV Method	Click to select Body Weight, Lean Body Mass, or Body Surface Area as the default SUV method. Use SUV Body Surface Area or Body Mass Index only when patient gender, height and weight data was filled in during the acquisition. If this information is missing and you select either of these SUV Methods the system prompts you to enter the missing data. **References for calculating the SUV:** Body Surface Area--Wang Y, Moss J, Thisted R. Predictors of body surface area. J Clin Anesth. 1992; 4(1):4-10 Lean Body Mass--James WPT. Research on obesity. London. *Her Majesty's Stationery Office.* (ISBN 0-11-4500347). 1976. Body Mass Index--Eknoyan, Garabed (Jan 2008). "Adolphe Quetelet (1796-1874)—the average man and indices of obesity." *Nephrol. Dial. Transplant.* 23 (1): 47–51.
Expanded PET Window/ Level	Click to set which PET window level to expand. Expand allows stretching of the grayscale. Expand Upper Level is used for Brain studies. Expand Lower Level is used by experienced users for specific applications.
Control Model	Define the cursor motion from the drop-down list and choose whether or not to invert your selection.
PET Scaling	Set the SUV Maximum scaling value at between 0.1 and 10.
Alpha Blending	Selecting the checkbox changes the appearance of the underlay with fused images. This is the default selection. You may want to deselect this checkbox when viewing SPECT images in order to obtain an aesthetically, more pleasing image. If you are not satisfied with the appearance of the lower level of the underlay, then deselect **Apply Threshold** for Alpha Blending.

Viewing

Preference	Description
3D Value Tools	Specify the Cursor Tool Diameter and the Sphere Diameter in mm. Additional statistics can be set to display when the cursor is active.
Display	Select checkboxes to display grams per milliliter (GML) as SUV and to display the timeline from newest to oldest.
	Note: GML is a specific measurement unit term that is used in place of SUV. This setting applies a small conversion factor to the GML data and changes the annotated units from GML to SUV. The source data must have the GML DICOM flag set in the header.
Initial Statistics Graph Display	Display Mean or Max.
Image Scrolling	Set the number of pixels the mouse must move before the screen will jump to the next image. Select Head or Feet to set the direction for the mouse scroll button from the Cursor Up drop-down window.
MIP	Adjust the depth weight and depth weight mode (exponential or linear).
Triangulation Cursor Type	Select the type of triangulation cursor you want to display on the images. You can choose to have the cursor display as Cross Hairs, Cross Line, or Cross Lines without a center.
	You can also choose to display the Cross Lines and Cross Lines without a center cursors in black and white only.
Initial Statistics Table Display	Display Mean and/or Max.

Tools

Preference	Description
Control Panel	Check the **Auto-Hide** box to start the NM Viewer with the Control panel in Auto-Hide mode.
Save All Format	Select a format for the Save All function. Set this to data if your receiving system can accept image data for the desired modalities.
Save Secondary Capture As	Select the file/frame combination that your viewing system can handle. Single Frame will produce multiple files each consisting of a single frame. Multi Frame will produce one file which consists of multiple frames.
Secondary Capture Type	Select RGB or Grayscale for the secondary captures.
Saving Range	Select the saving range.
Cardiac/Neuro	Select Square images if your cardiac and neuro studies should be saved as square images for viewing on those systems that require the X,Y pixel spacing to be the same.

Layouts

Preference	Description
Quick Layouts	Allows you to specify five groups of Quick Layouts. The names of the groups can be changed by double-clicking a Quick Layouts tab.
	Each group can contain up to four user/factory defined layouts. These layouts are selected from a drop down list.
	Once configured, these layouts will appear as always-available options in the Layouts section of the Control panel.
Layouts	Select which of the available layouts you want to use in the NM Viewer. Those layouts that are not specified as in use will not appear in the **Layout** panel in the Control panel when you open the viewer.
Multi-Study Launch Mode	Select **Use Comparison For Multiple Studies** to automatically start the viewer in comparison mode if appropriate data is selected at launch.
Data Characterization	Make a selection from the Orientation, Scan Phase, Parametric, and Cardiac State drop-down lists. Type any partial or full text that may be included in DICOM data to help characterize the data. The viewer uses the entries to match the data for display and linking.

ROI

ROI preferences control the appearance and annotation of ROIs drawn in viewers.

NOTICE

The Units preference listed below is similar to preferences shown in the IntelliSpace Portal Regional Settings Preferences window. However, the preferences listed below only apply to NM applications, while the preferences shown in the Regional Settings Preferences window only apply to CT applications. The ROI preferences you set here are not applied to CT applications.

Preference	Description
Statistics	Select which statistics to show with ROIs and the type of units.
Units	Specify whether to display ROI units in Counts, SUV or Activity Concentration.
Auto-SUV	Set the Auto SUV threshold value as **SUV ROI** or **SUV % of Max**. If you select **SUV % of Max**, you can adjust the % Max Points To Average.
Text Position	Choose where your selected statistics will display in relation to the ROI.

Automatic Registration

Preference	Description
Registration/Review Workstep Layout	Specify the default layouts for the registration and review worksteps.
Floating/Reference Image Point Color	Specify the default colors for floating and reference image points in Match Points registration.
Auto Start	Select the check box to automatically register images when you launch the registration workstep.
Save NM As Next Matrix Size	Select the check box to save registered NM data at a standard matrix size. The application increases the matrix to the next standard size, for example, 64×64, 128×128, and so forth. If you do not select this preference, then the registered NM data saves at a minimum matrix size that is determined from voxel size and re-sampled image field of view.