exa-PACS · exa-RIS

Feature Summary

Configure Fusion, ROI, and SUV

Configure fusion, ROI, and SUV options

1. In **Viewer Settings**, in the left pane, select **INTERFACE**.
2. Under **Fusion**, and under **ROI & SUV**, enter the settings in the following table.
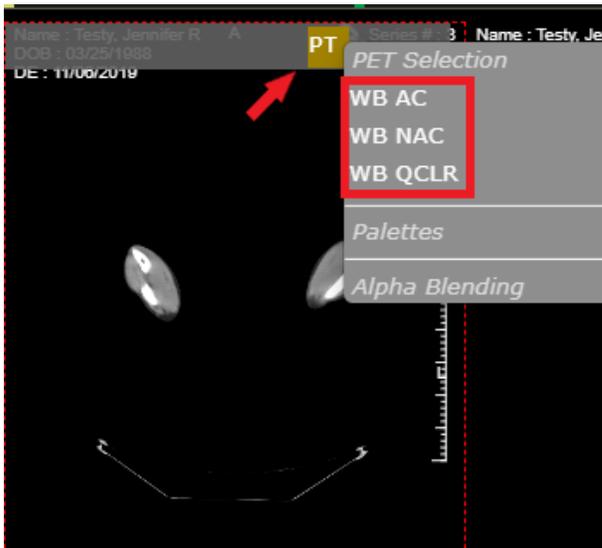
Group	Setting	Description
Fusion	Auto Adjust for CT/PT Frame Count Mismatch	Select to reconstruct PET anatomy on fusion overlays between absent slices. Disable to display PET overlays only for slices originally included in the PT series.
ROI & SUV	ROI Show Size	Adds length and area measurements to ROI.
	Show Number of Pixels in ROI Selection	Select to show the number of pixels selected when annotating an ROI or selecting with the freehand tool.
	Show Number of Slices in ROI Selection	Select to show the number of slices selected when annotating an ROI or selecting with the freehand tool.
	ROI Selection Weighting	Select which pixels to include in an ROI. **Weighted**: Include pixels touching or within the ROI border, and assign a value based on the percentage of the pixel lying within the ROI. Inclusive: Include pixels touching or within the ROI border and use the full pixel value. Exclusive: Include only pixels completely within the ROI border and use the full pixel value.
	Enable SUV Calculations	Select to add SUV calculations to ROI annotations of PET SUV series and CT-PET fusion studies. Prerequisite: Your system administrator must also enable SUV in a separate procedure.
	Show SUV Type and Measurements in the ROI Header	Select to include the SUV type and measurements in the ROI header.
	Show SUV Units after Measurements	Select to include the SUV units following the measured values in the ROI header.
	Use Standard SUV Type Units (g/ml, cm2/ml)	Select to display SUV values using standard units for the SUV type. Clear to use the values stored in the DICOM file.
	Default SUV Type	Select the type of SUV calculation to perform.

Work with PET fusion studies

Turn PET fusion display on and off

If a PET study was fused with another study such as a CT scan, you can turn display of the fused study on or off.

1. To turn on fusion display, hover over the top of an image to display the image's top shortcut (floating toolbar) menu, and then select **PT**.

2. In the **PT** button shortcut menu, under **PET Selection**, select a source study.

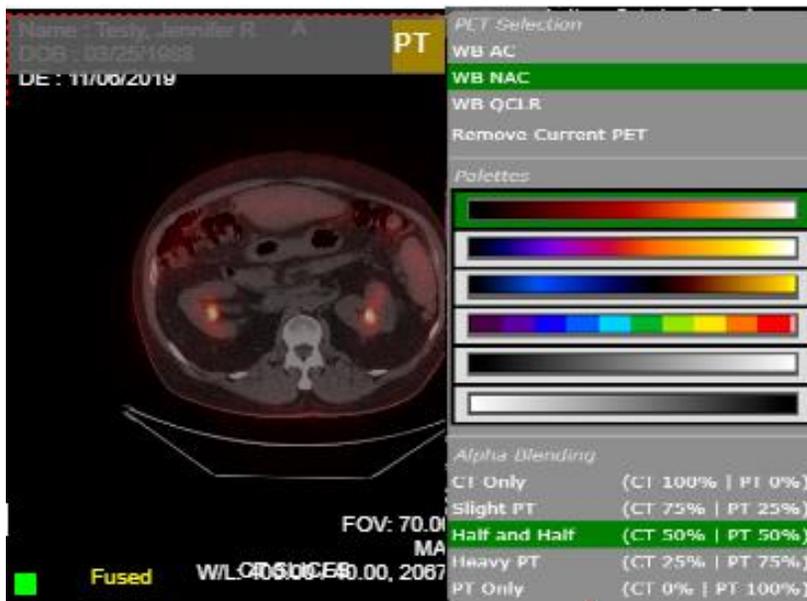   **Result**: "Fused" appears in the lower-left part of the image.

3. To turn off fusion display, in the PT button shortcut menu, select **Remove current PET**.

Color and blend PET fusion source studies

You can add color to source studies in a PET fusion study, and control alpha blending of the two studies.

Specifying a color in one image applies the color to all images in the series.

Prerequisite: Turn on PET fusion display.

1. Select the **PT** button shortcut menu, and under **PET selection**, select the source study to color.

2. In the **PT** button shortcut menu, under **Palettes**, select a color.
3. In the **PT** button shortcut menu, under **Alpha Blending**, select a blending option.