

Sante DICOM Viewer Lite

Ultrasound measurements guide

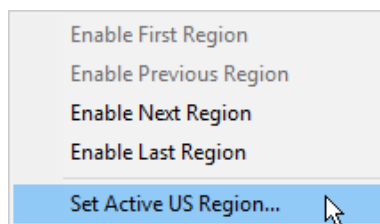
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The program supports the **Ultrasound Region Calibration Module (0018, 6011)**, enabling calibrated distance and area measurements in ultrasound DICOM files.

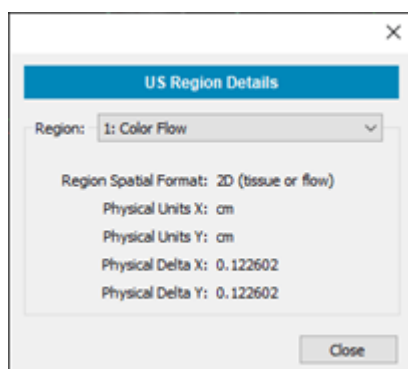
When the user selects the distance measurement tool, one or more rectangles appear on the image, each representing a calibrated region. The active region is highlighted in green, while inactive regions are displayed in red. Within the active (green) region, the mouse cursor changes to a cross shape, allowing measurements to be taken. In inactive (red) regions, the cursor appears as an arrow, and measurements cannot be performed.



By clicking the right mouse button, a pop-up menu appears and allows the user to select the active region.

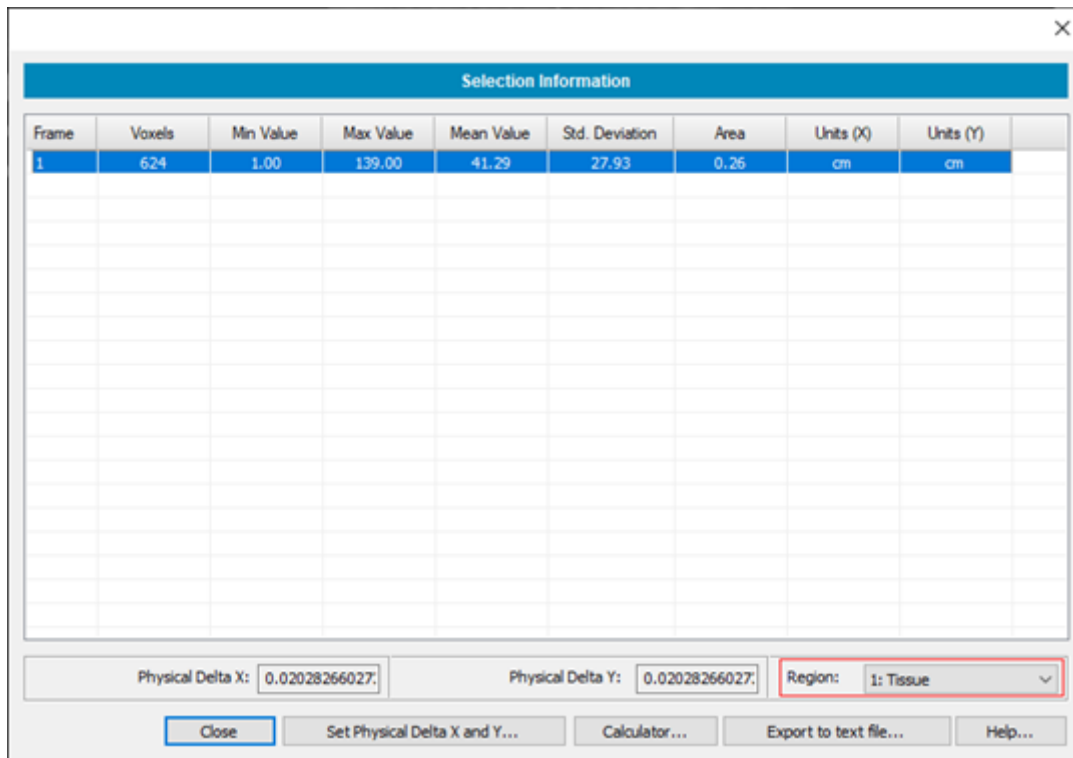


By selecting the menu command **"View US Region Details..."**, a dialog box appears and it displays the type, the units and the delta of the active region.



Calibrated area measurements

The program also supports calibrated area measurements when the user selects an area using a selection tool. By default, the program uses the first calibrated region with spatial units (e.g., cm, mm) defined in its Physical Delta X and Y for calculations. However, the user can select a different calibrated region using the **"Region"** combo box.



Accuracy of the measurements

The user can verify the accuracy of measurements by comparing the same measurement taken on the ultrasound machine with the one obtained in the program.

