

RamSoft Radiologist Quick Guide

Select a Worklist

The Worklist is dynamic, all studies that need to be read appear on this list. Once read, they will disappear.

Please choose a Worklist from the pulldown menu if the default Worklist does not meet your needs.

Patient Explorer

The Patient explorer is found on the companion monitor. It contains a list of all studies the current patient has had done and a listing of all the series within each study. Clicking on a series will highlight on the screen or bring it up if its not already displayed, and it will show the thumbnails of all the images within that series. A series can be clicked and dragged into any window. Clicking and dragging a thumbnail will also work in a similar manner.

▼ The patient explorer can be hidden or shown by using the button located in the bottom left corner of the study desktop.

Window/Level Adjustments



1. Hold down the right mouse button on an image.
2. Drag the mouse up and down to adjust the Level and left to right to adjust the Window value (a Window/Level preset list can also be found in the right click menu)

Zoom and Pan an Image

Dynamic Zoom and Pan



1. Click on the Dynamic Zoom button.
2. Move the mouse cursor over the image and roll the mouse wheel to zoom in and out. The zoom will focus on the location of the cursor.
3. To pan the image simply left click and drag the image around.



ROI Zoom



1. Click the zoom button.
2. Left click and drag the mouse diagonally to select a Region of interest.
3. Click on the Pan button. Left click and drag the image around within the Viewbox.
4. Single Left click the image to restore to original size.



Magnifying Glass



1. Click the pull down menu next to zoom button and choose Magnifying Glass.
2. Click the bar at the top of the magnifying glass and drag it over the image to magnify desired region.
3. To change the size of the magnifying glass move mouse cursor to the edge of the window and left click and drag.

Add Annotations

Arrow and Text



1. Enter text in the Annotation Text field.
2. Click on the Mark Point of Interest button.
3. Starting at the point of interest, left click and drag out the tail of the arrow in any direction.

Measure



1. Click on the Measure button.
2. Left click and drag from one end of the point being measured to the other. A measurement will display beside the line.

ROI



1. Click on the Add Region of Interest button.
2. Starting at the top left of the area of interest, Left click and drag diagonally down/right to select the region. Measurements will display beside the shape.

Undo Changes



1. Click the undo button (alternatively you can type Ctrl+Z)
2. To completely reset an image, select "Edit" from the top menu, and select "Reset Image" (You can type Ctrl+Shift+Z)

Viewing Protocols

MR-2X2VB (Def. ▼)

1. To switch between viewing protocols, select the HP selection dropdown box
2. To reset the current protocol, right click and "Restore Current Protocol".

Labeling Spine Vertebrae



1. In a sagittal series find an image with a nice midline view of the spine.
2. Click the Spine Labelling Tool.
3. Choose the desired starting label.
4. Click once on the top of the starting vertebrae.
5. Click at the bottom of vertebrae.

6. Continue until all vertebrae are labeled.
7. Close the spine labelling window.
8. Now all of your sagittal and axial sequences are labelled.

Finish Study



1. Click the Finish Review button to mark the case as read OR
2. Click the Next Study button to mark the study as read and open the next study in your worklist. OR
3. click the close study button to save any changes made and keep the case on your unread list.



Compare Prior Study

1. Right click the desired prior in the patient explorer and choose "Compare". The prior will be on the right monitor.
2. While in compare mode, to display a desired study on a different monitor, right click the study, click "Open study on" and choose the desired monitor.

Locate point of interest



1. Click on 3D Pointer
2. Click on a point on an image.
3. Every single image that contains a view of that point is brought up on the screen.
4. To readjust the location of the point simply click on a new location
5. To turn off the 3D Pointer tool click on 3D Pointer, or start scrolling through images.
6. Click Refresh Current Protocol to restore images.

Unsharp Mask



This tool is meant for Xray and mammography images. It selectively enhances different types of tissues on the desired image.

1. Click the Unsharp Mask tool.
2. Left click image and drag cursor down.
3. Image changes within an ROI box. Once desired appearance is reached, release the mouse button and changes are applied to the whole image.
4. Different levels of unsharpness can be achieved by dragging the cursor up and down.
5. Moving all the way up will restore the original image.

View Tissue Density (CT)



1. Click the Probe tool.
2. Left click the desired tissue and move the mouse to see the Hounsfield values.