



Starviewer
Medical Imaging Software

QUICK START GUIDE

v1.0

Information and help: support@starviewer.udg.edu

Starviewer is an application for the visualisation and navigation of medical images using the DICOM protocol. It supports different modalities: X-ray, CT, magnetic resonance, mammography, radio fluoroscopy, ultrasound and others. It can communicate with any PACS, or obtain images from external files.

1. ELECTRONIC INSTRUCTIONS FOR USE

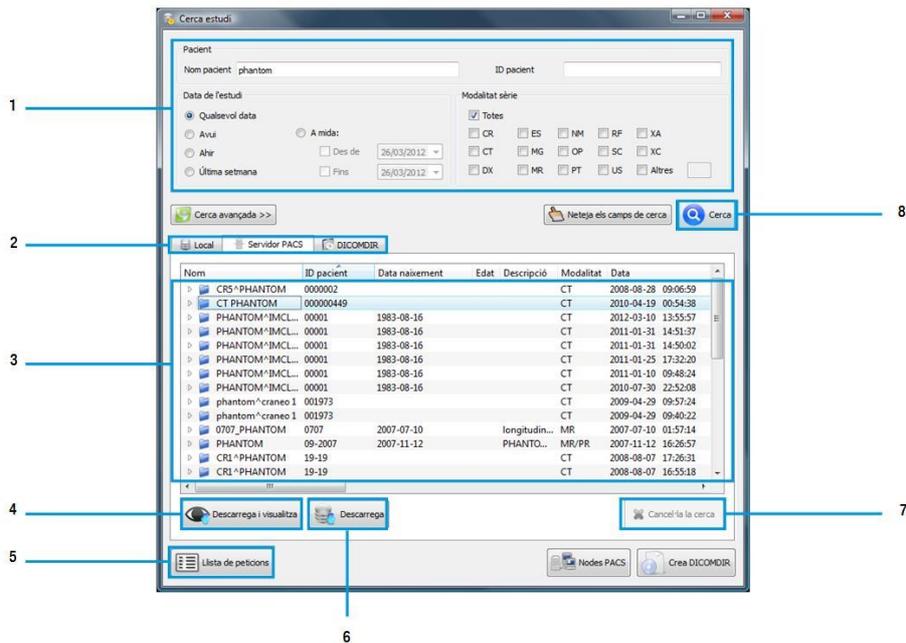
You can self-print a copy of these instructions for use using the printing function of your PDF reader, nonetheless, you can request a printed copy them at support@starviewer.udg.edu.

Newer, current and older versions of instructions can be downloaded at <https://starviewer.org/eifu>. We recommend accessing the instructions from the “help” menu in order to ensure the right ones are visualized.



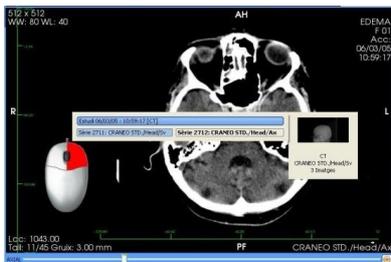
2. HOW TO FIND A STUDY IN THE PACS

To look for a study in the PACS, go to menu File>PACS, or press **CONTROL+P** keys. The following window appears:



- Check that PACS Server tab is selected (2).
- Enter search parameters (patient name, study date...) (1).
- Click Search button (or press **RETURN** key) (8).
- Select one or several studies from the list (3).
- Click Retrieve & View so that the study is retrieved and opened automatically (4).
- If the study has to be retrieved and not viewed, click Retrieve (6).
- To cancel the query while it is being executed, click Cancel query (7).
- To check the status of the retrievals, click Operation List (5).

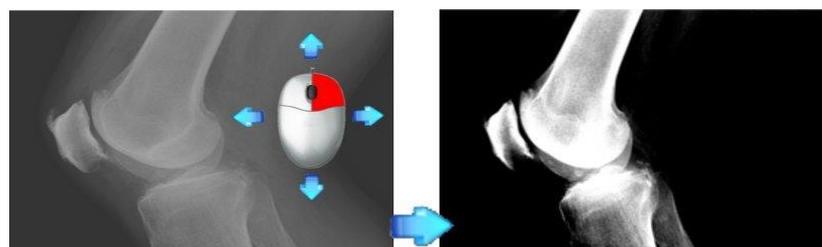
3. CHOOSE SERIES OF THE STUDY



- 1. Right-click in a window
- 2. Select a series of the list

4. CONTRAST AND BRIGHTNESS (WINDOW LEVEL)

- Hold right button of the mouse in a window
- 2. Move mouse from top to bottom and/or from right to left



1.



5. TOOLS

	Scroll. Change image of the series image by moving the mouse.			Viewers' layout. Choose the number of windows or a hanging protocol.
	Zoom. Zoom in by moving the mouse up and down.			Related studies. Search for studies that may be related to the patient.
	Move. Change image's position following the direction of the mouse.			Reconstructions. Switch to axial, sagittal or coronal view.
	Window change. Change contrast and brightness of the image.			Horizontal/Vertical Flip. Flip image horizontally or vertically.
	Elliptical ROI. Draw an elliptical shaped ROI to compute the area and the average of the voxels' values.			Clockwise/Counter-clockwise rotation. Rotate the image 90° in the indicated direction.
	Magical ROI. Create a ROI semiautomatically.			Restore a viewer. Restore the viewer to its initial state.
	Polyline ROI. Draw a ROI manually to compute the area and the average of the voxels' values.			Invert VOI LUT. Invert the colours of the image.
	Circle. Create a circular region to find the centre.			Screenshot. Export an image or all images to an external file.
	Distance. Set two points to compute the distance between them.			Export a series. Export a series to DICOM and optionally send it to a PACS.
	Angle. Set three points and compute the angle they form.			Play. Show images one after another.
	Open Angle. Compute the angle between two lines.			Patient information. Show/hide viewer's textual information.
	Erase/All of current viewer. Erase all chosen annotations or all of the viewer.			DICOM information. Dump specific information of the image contained in the DICOM.
	Reference Lines. Show the location of the current image in the other windows.			Automatic synchronisation. Automatically synchronise (if possible) all viewers to the same position.
	3D Cursor. Locate in all images the point selected with the mouse.			Manual synchronisation. Synchronise viewers according to current image.
	Voxel Information. Show information of the voxel placed under the cursor.			Propagate. Propagate active viewer's visualisation properties and apply them on the viewers that meet some common criteria.