

CharruaSoft WADO Client

The screenshot shows the CharruaSoft WADO Client interface. At the top, there is a title bar 'HTTP Client'. Below it, there are search filters: 'Query' button, 'Patient ID' text box, 'Modality' dropdown (set to 'ALL'), 'From' date picker (9/ 8/2011), 'To' date picker (9/ 8/2011), 'Setup' button, 'Today' button, 'Patient Name' text box, 'Institution' text box, 'About' button, 'View' button, 'Prev' button, 'Next' button, and 'End' button. Below the filters is a table of patient studies:

ID	Name	Sex	Birth	Date	Description	Acc. Number
<input checked="" type="checkbox"/> 9990005	Cerebro^MR	M	19620130	20100412	CEREBRO^RUTINA	
<input type="checkbox"/> 9990004	Craneo^CT	F	19370626	20100412	CRANEO_SECUENCIAL	37395
<input type="checkbox"/> 9990002	Extremidad^CR			20100412	Extremidades Inferiores	6634
<input type="checkbox"/> 9990006	Torax Craneo^CR			20100412	Torax ^Craneo	6681
<input type="checkbox"/> 9990001	Torax^CR			20100412	Torax	6632
<input type="checkbox"/> 9990003	Torax^CT	M	19500301	20100412	TORAX_ABDOMEN_PELVIS	37393

Below the patient list is a table for series details:

Series Number	Modality	Series Description	Images

The WADO Client is a complete DICOM Viewing application that uses DICOM Query to get the study list and WADO Retrieve to get the images.

Selecting one or more studies, they will be downloaded to a temporary cache directory, and they will be displayed as they arrive. The images are transferred as DICOM, so window/levelling is done over the entire 16 bits, in case of grayscale images.

In order to do DICOM Query the remote server AET, IP Address and Port number has to be configured in the setup.

For WADO Retrieve the WADO URL has to be configured too.



The viewer has the most commonly used tools:

- Window/Level with the mouse right click button.
- Zoom/Pan.
- Inverted Image.
- Annotations, linear measurements, angle measurements, ROI.
- Study/Series/Image navigation.
- 1x1, 1x2, 1x3, 2x2, 2x3 layouts.
- Overlay on/off.
- Thumbnails on/off.
- Global / Sync changes.