


neologica
Research Development

remoteyelite

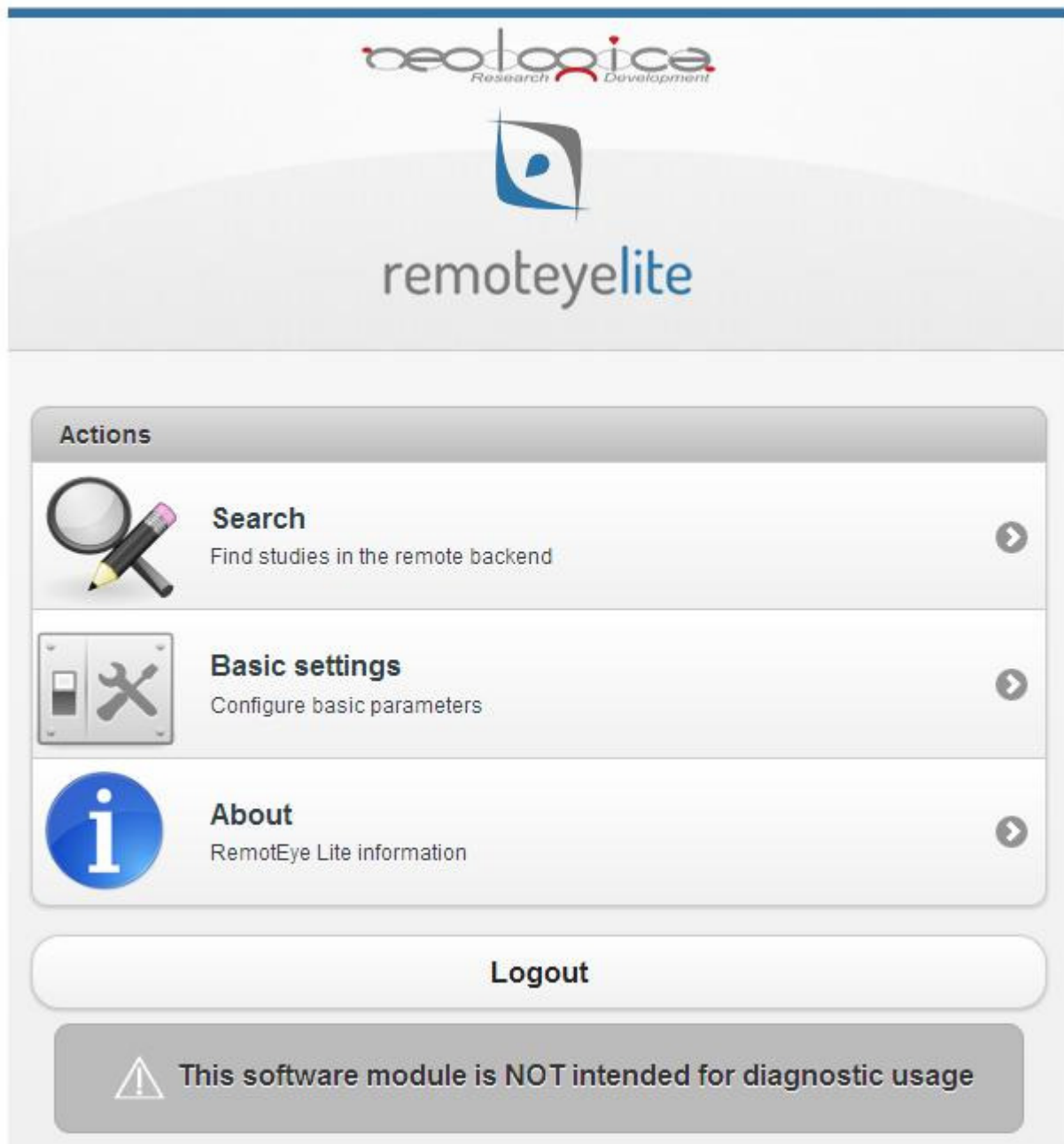
Username:

Password:

Ok

 This software module is NOT intended for diagnostic usage

Once valid login information are provided the main page will fade in as demonstrated below:



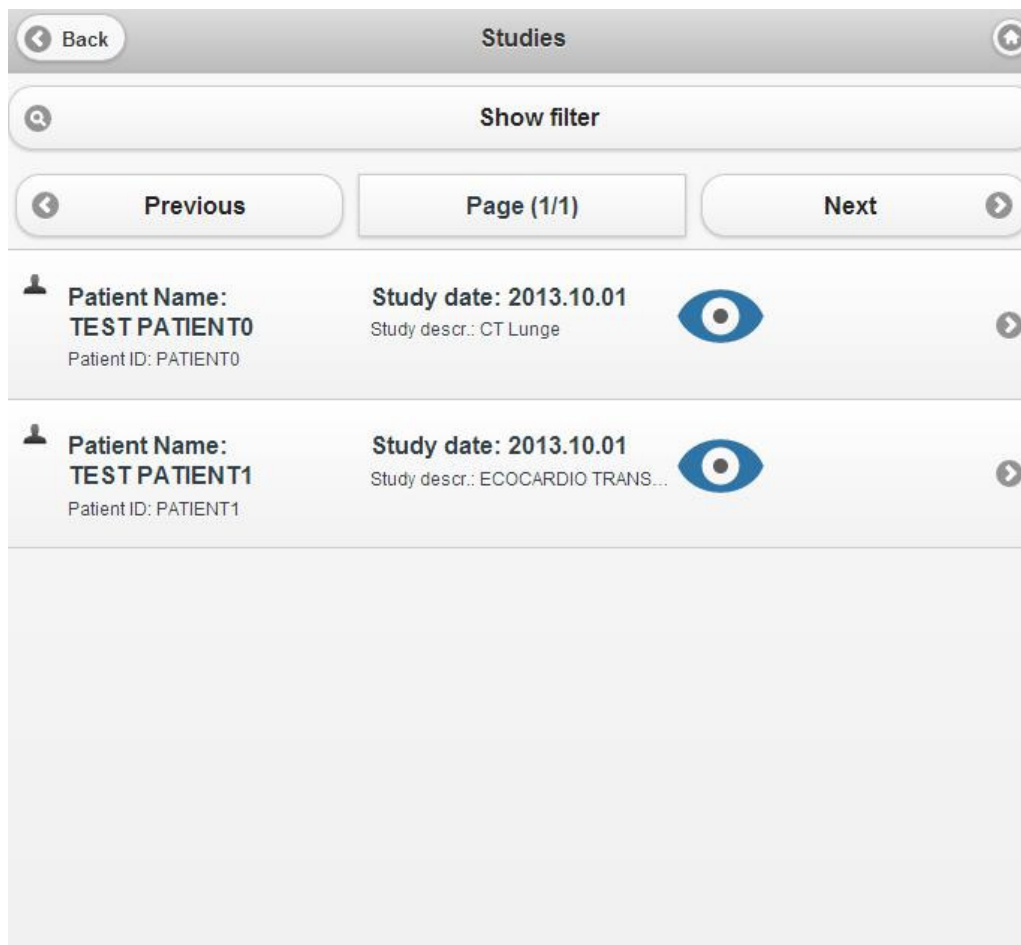
In this page users can find a link to the **Search** page, to the **Basic Settings** page and to the **About** page as well as a **Logout** button that will log out the connected user.




Warning: This software module is NOT intended for diagnostic usage

Search Page

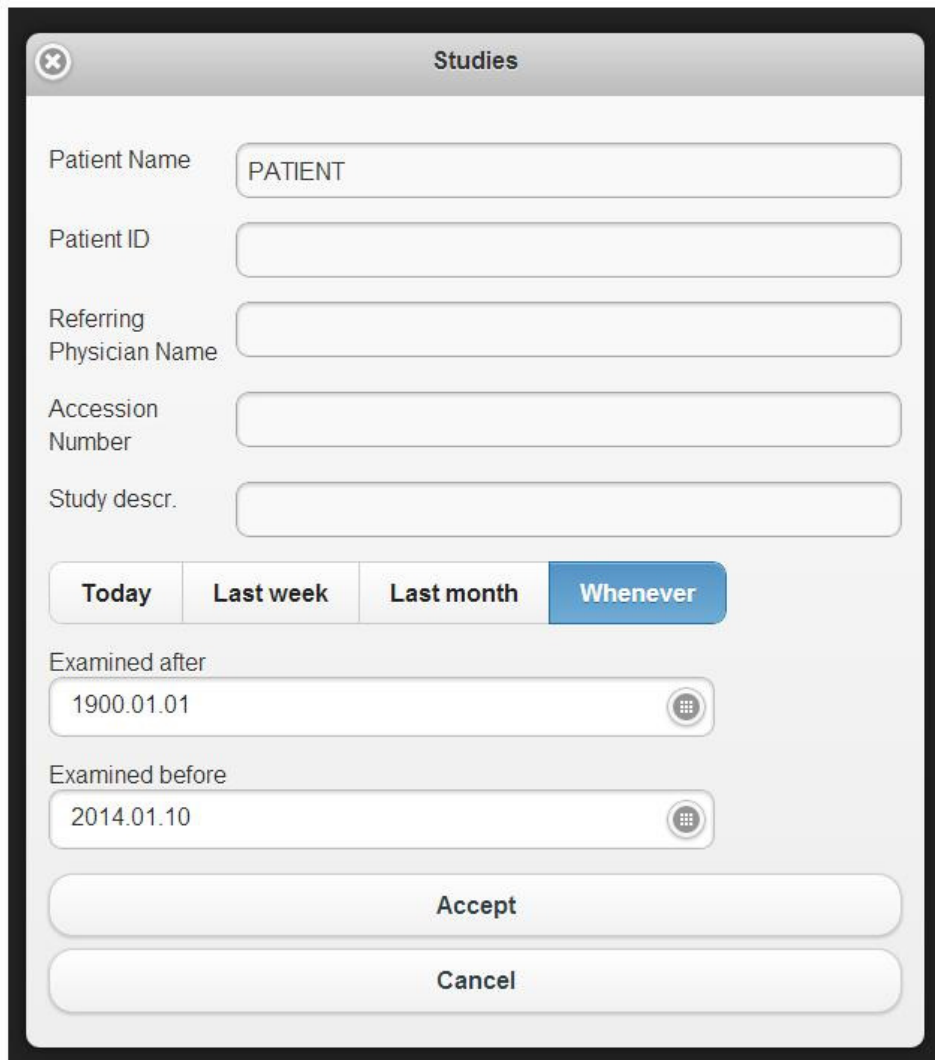
The **Studies** search page displays a list of studies that satisfy the query issued to the RemotEye Viewer backend. The default query will request the RemotEye Lite server to search all studies stored in the current date (TODAY).



A single touch on the study row will show the series related to this study in the **Series** page, while touching the  icon the **Viewer** page will be opened and the selected study will be displayed.

Studies found are grouped into pages. Each page contains 5 results and **Previous** and **Next** can be used to navigate through the pages.

The query filter definition can be changed by touching the **Show filter** button. The following dialog will be shown where user can define their custom filters.

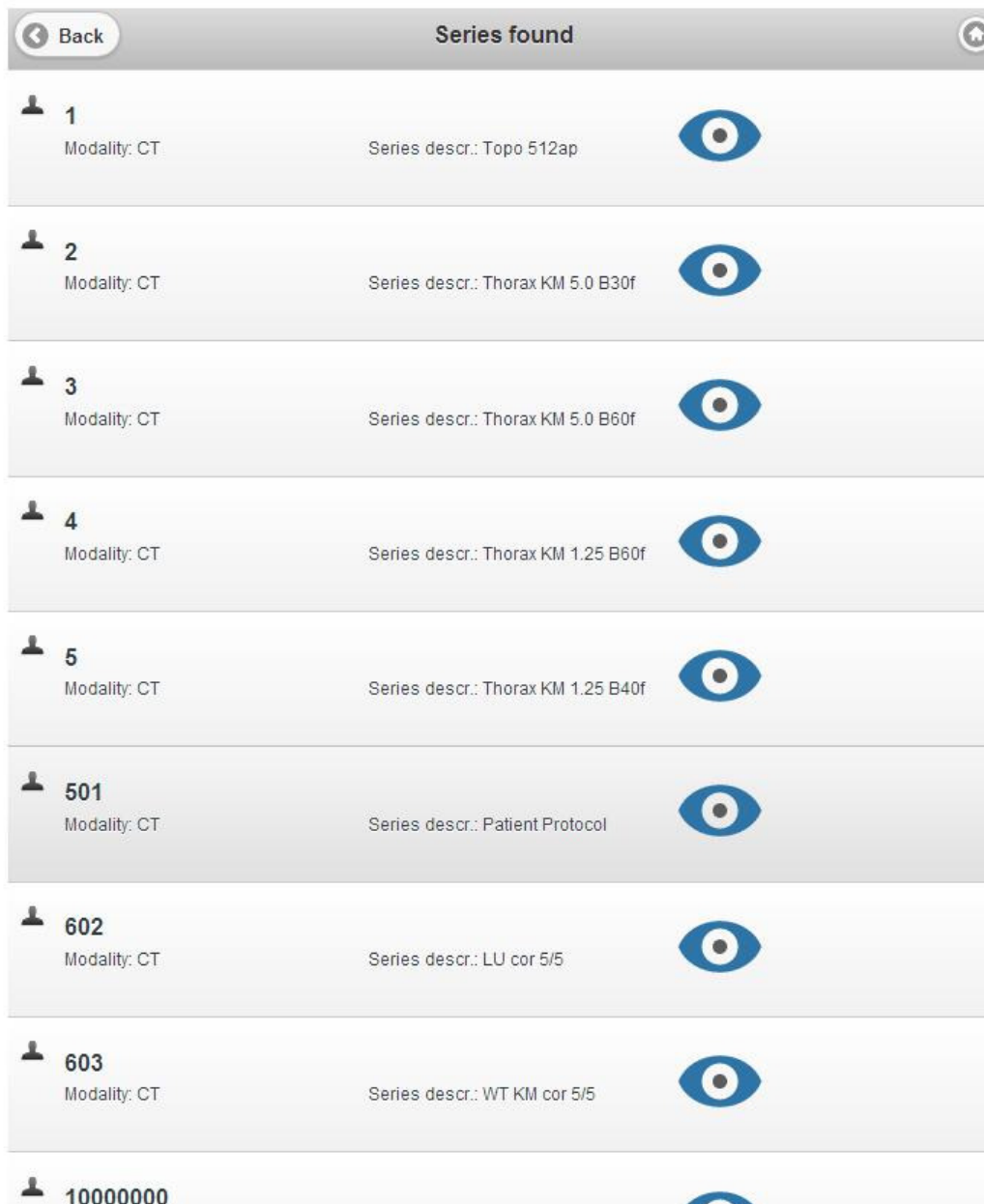



By clicking the **Accept** button the query will be issued with the customized filter while, clicking the **Cancel** button will cancel any changes made to the filter.

Series Page

The **Series found** page is displayed when a row of a study displayed inside the Search page is touched.

Inside this page all the series related to one study are listed as well as general information about each series (series number, modality and series description).

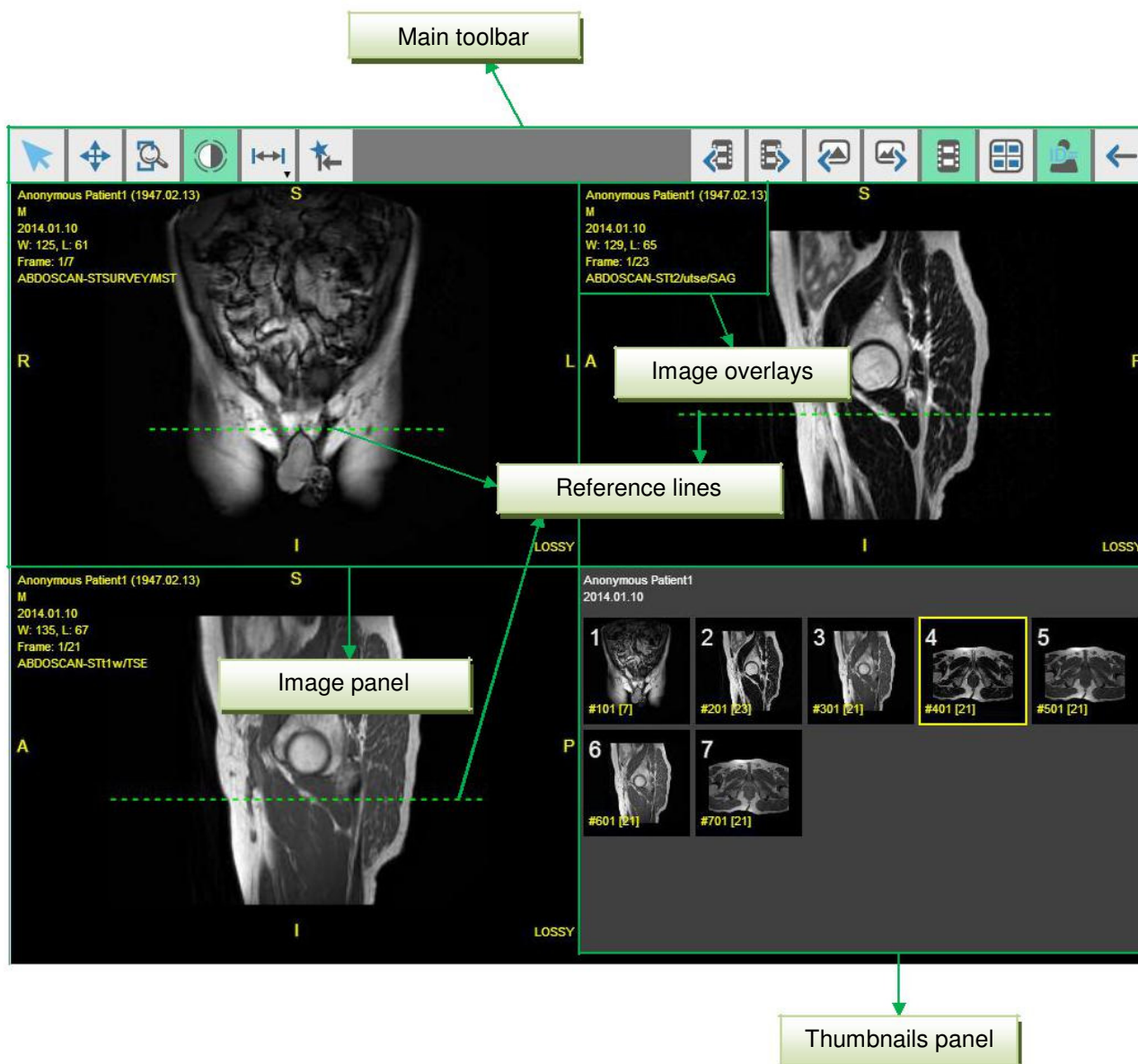


By touching the  icon, the selected series will be displayed inside the Viewer page in a 1x1 layout.

Viewer Page

The **Viewer page** is entitled to organize and display the images belonging to a specific patient or study or series. A screenshot of the **Viewer page** is provided below:

Di seguito è riportato uno screenshot che mostra le caratteristiche principali della **pagina di visualizzazione**:



Inside this page users can find several elements described below:

- **Image panel:** the image panel contains one or more DICOM images. See paragraph 6.4.1 for a detailed description of this element.
- **Main toolbar:** the main toolbar is positioned on the top of the page and allows users to perform several actions. See paragraph 6.4.2 for a detailed description of this element.
- **Image overlays:** the image overlays are a series of information about the displayed image, positioned on top of every image panel.

An image overlay can show:

- *Patient Name*
- *Birthdate*
- Patient Sex*

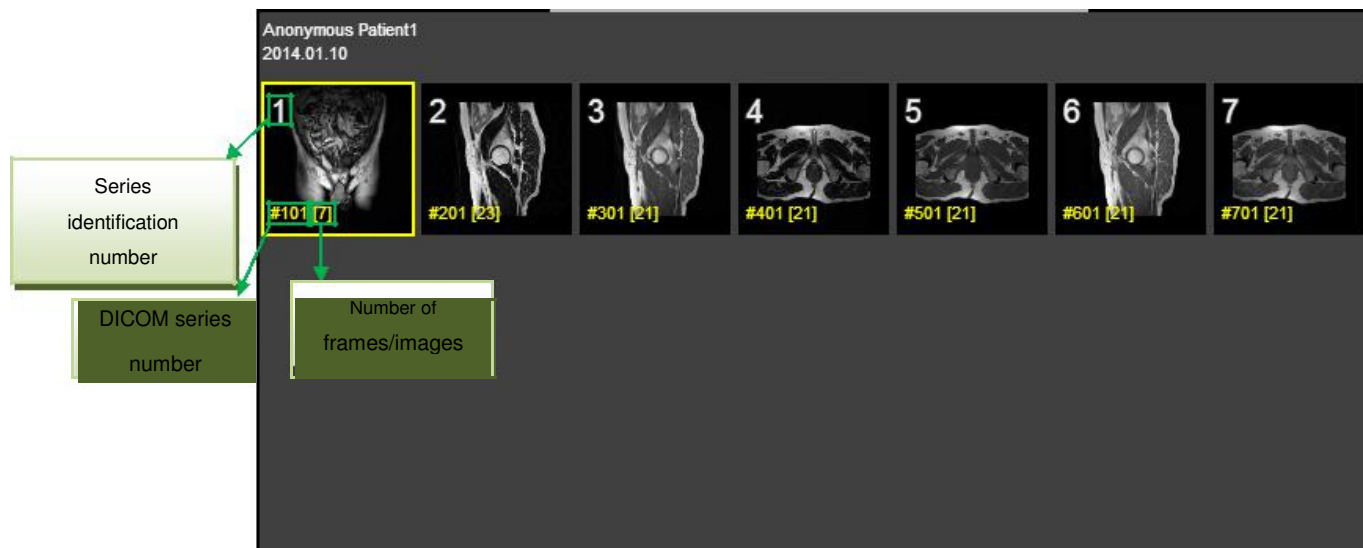
- *Study Date*
- *Series description*
- *Frame number*
- *Window / Level*
- *Reference lines*: enabling the display of reference lines related to the currently selected image on all other displayed and intersecting series, user will have an information about the location of an image slice (the currently selected image) on another image of an intersecting plane.

Image overlays can be turned off using the dedicated button on the **Main toolbar** and customized using the **Basic settings** page.

- **Thumbnails panel**: the thumbnail panel is a popup container that contains a thumbnail for every series currently loaded in RemotEye Lite. The **Thumbnails panel** is hidden by default but it can be



shown by selecting one **Image panel** and using the icon on the **Main Toolbar**.



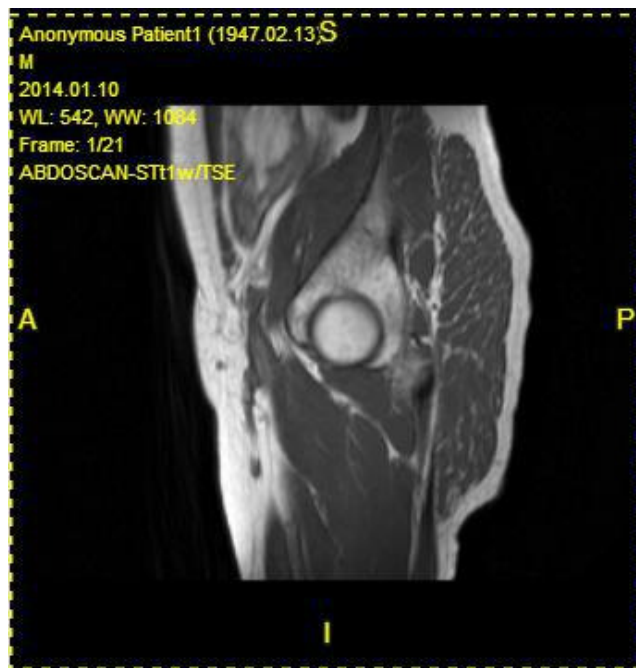
On every thumbnail is shown the series identification number, the DICOM series number, and the number of frames/images contained in that series.

In case of studies with cine-sequences, every thumbnail will be associated to a viewing series/sequence.

Every tile drew on this panel is a series loaded in RemotEye Lite and, if a tile is pressed (double click for desktop clients), the underlying **Image panel** will load the entire series related to the thumbnail. If the list of thumbnails is longer than the **Image panel** height then users can scroll up and down using the finger or the mouse.

Image panel

An **Image panel** is a container for DICOM images. Each **Image panel** can contains only one series but one series can be displayed on multiple image panels.




An **image panel** becomes selected when touched either by a finger or by using the mouse pointer. A selected image panel can be recognized by the presence of a yellow border surround it. Selecting an image panel is mandatory in order to perform the following actions:

1. Show next / previous image if this command is issued by the mean of the icons laid on the **Main toolbar**
2. Show the **Thumbnails panel**.

All the image tools available in RemotEye Lite can be applied by selecting the tool and then scrolling over the panel.





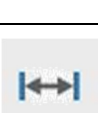




In addition to these actions, every image panel can handle the following gestures:











1. On compatible devices a pinch-to-zoom gesture will cause a zoom of the underlying images
2. A long press (double click for desktop clients) will open up a new image panel in fullscreen mode. In

order to go back from this modality users have to click the  icon on the **Main toolbar**.

Main toolbar

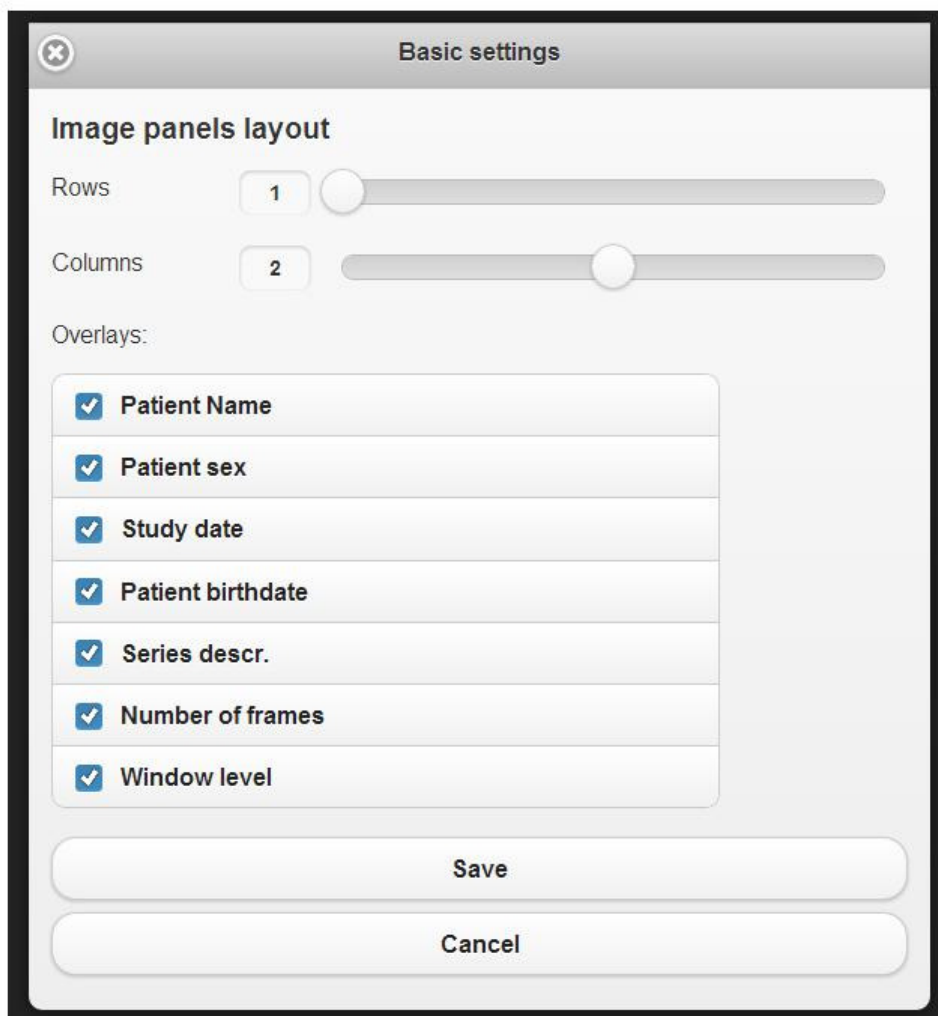
The **Main toolbar** can be used to perform several general actions. A description of every tool available in the main toolbar is provided below as well as its representation.

	<p>Select / Stack tool</p> <p>When this tool is selected users can select and scroll images using the left mouse button</p>
	<p>Pan tool</p> <p>When this tool is selected users can pan the image in the selected panel. On iPads this can also be achieved using 2 fingers on the screen</p>
	<p>Zoom tool</p> <p>When this tool is selected users can zoom in/out the image on the selected panel. On iPads this can also be achieved using the 'pinch-to-zoom' gesture</p>
	<p>Window/Level tool</p> <p>When this tool is selected users can adjust the Window/Level set on the selected panel (adjust contrast)</p>
	<p>Measure line</p> <p>When this tool is selected users can measure the length of a segment on the image, provided that the original DICOM image contains the correct data elements used for the calculation</p>
	<p>Measure rect area</p> <p>When this tool is selected users can measure the area of a rectangular region on the image</p>
	<p>Measure elliptic area</p> <p>When this tool is selected users can measure the area of an elliptic region on the image</p>
	<p>Reset</p> <p>This button reset all the changes made on the selected image</p>
	<p>Previous series</p> <p>Shows the previous series of the study on the selected panel</p>

	<p>Next series Shows the next series of the study on the selected panel</p>
	<p>Previous frame Shows the previous frame/image of the series on the selected panel</p>
	<p>Next frame Shows the next frame/image of the series on the selected panel</p>
	<p>Series picker Shows the series picker above the selected panel. The series can be then picked by: a] double clicking on it on desktop clients b] doing a press on mobile devices</p>
	<p>Set layout Let the user choose the layout of the displayed panels</p>
	<p>Overlays This button has 3 different states:</p>
<p>1] </p>	<p>Both information overlays and reference lines are displayed</p>
<p>2] </p>	<p>Display only reference lines</p>
<p>3] </p>	<p>Overlays are hidden, for the exception of security overlays (like 'LOSSY', SUBSAMPLED)</p>
	<p>Back This button moves the user back to the previous page. After a long press (or double click on desktops) on an image panel, this button can also be used to come back from the 1x1 maximized layout.</p>

Basic settings page

The **Basic settings** page contains some basic configuration a user can define in order to modify the default behaviour of RemotEye Lite for the current session. A screenshot of the **Basic settings** page follows.



In this page user can set the default image panels layout (in term or rows and columns) and which overlay to show when the image overlay is enabled.

The **Save** button will apply the configuration for the current session, while the **Cancel** button will cancel any changes.



Guide to REMOTE EYE LITE-Mobile Access