HALIFAX HEALTH

Live your life well.

RADIOLOGY
NEW IMAGE & REPORT VIEWER

PACS ZDA

(Zero Download Ambassador)

January 2015
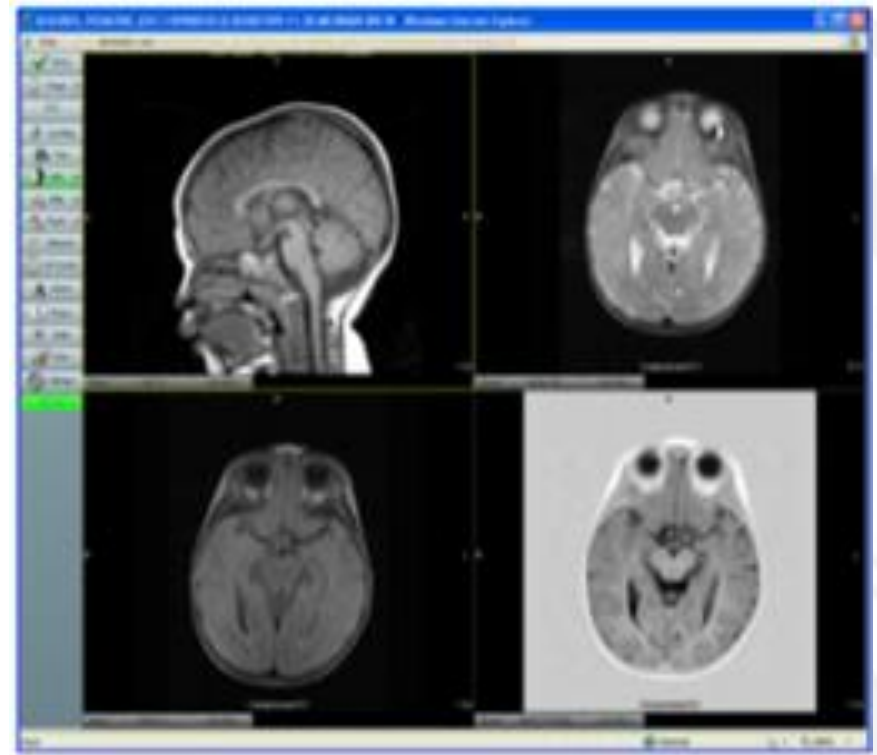
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halifaxhealth.org

WHAT is ZDA ?
(Zero Download Ambassador)

The ZDA is a web based image review solution for both:

Halifax Health and
Radiology Associates Images

It provides a robust, intuitive, secure viewer.

For access to images and reports, and Requires no download or setup.

WHY?

- Web Ambassador will be phased out soon, for both Halifax and Radiology Associates (old technology, not web based, etc…)

- Mobile device support

WHEN?

All hospital pcs will soon have two new icons deployed in order to access these websites for both

Halifax ZDA and Rad Assoc ZDA:

ZDA Requirements

Operating system

- Microsoft Windows
- Mac
- Linux
- Other operating systems that support Flash 10

Internet browser

- Browser must support Adobe Flash 10
- Microsoft Internet Explorer
- Firefox, Safari, Chrome, and other popular browsers

Third party software

- Adobe Flash 10
- Adobe Reader

How do I access the ZDA?
(pc, mac, iPhone, iPad, Android…)

For Halifax Health –https://pacs.halifax.org

HMC ZDA

For Radiology Associates Images (TLI, POI, PCI, SAI, TCI, etc…)
https://pacs.radresults.org

Rad Assoc ZDA

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Login using existing PACS username and password

Searching for Exams

- Select the SEARCH criteria using dropdown menu… system searches by Last Name by default
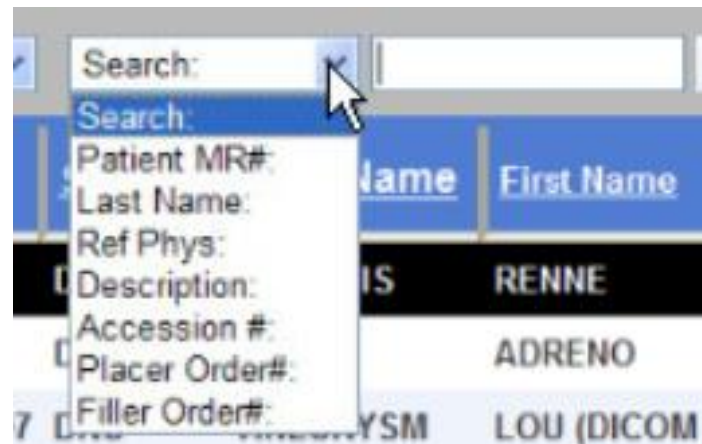
Patient Search

Enter last name, first name (or part of name) and click the arrow to search

Sort by any column by clicking on column headings

Viewing Exams

- To view an exam, select the exam and choose VIEW, or double-click exam to open
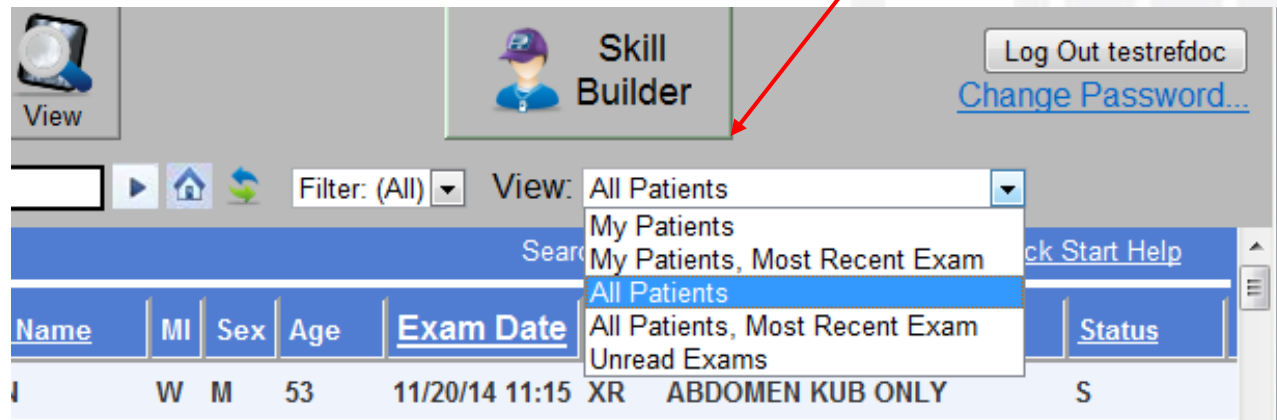
Viewing Images

- Select exam, and click VIEW icon,

  or simply double click the exam

Select Exams to View

You can choose to see:

- My Patients
- All Patients or
- Unread Exams

ZDA Filters

Choose a filter as below if desired…
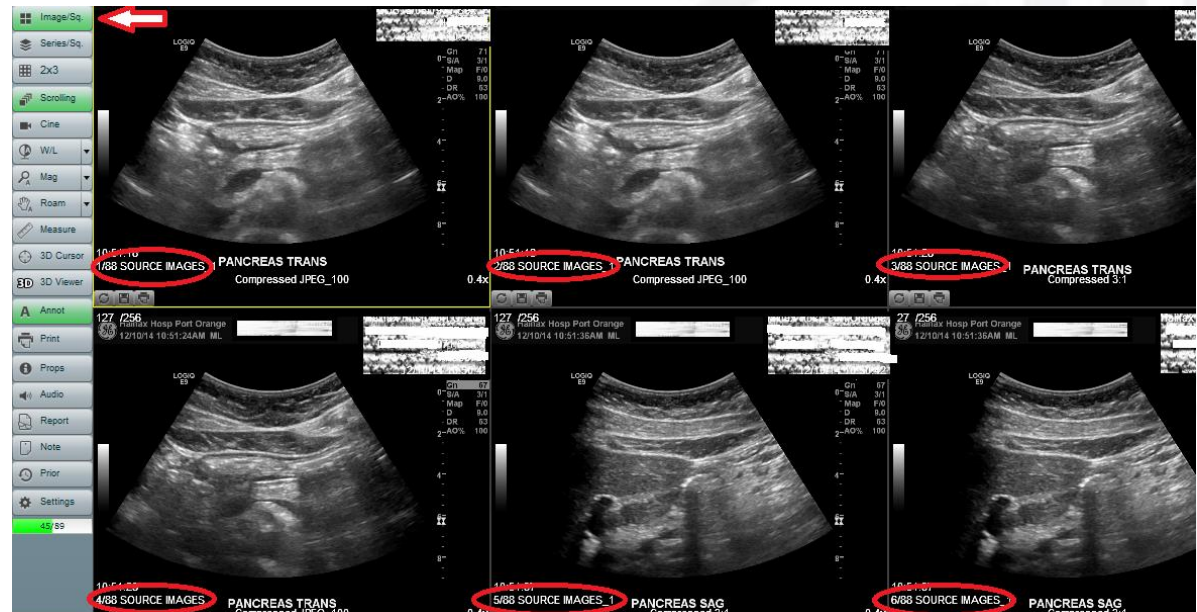
Image Per Square

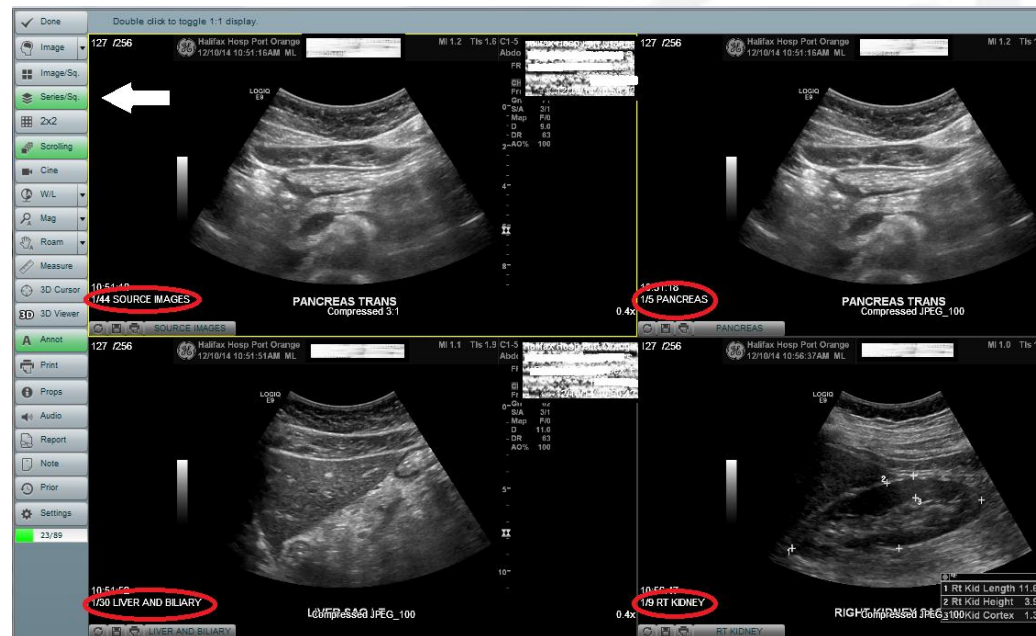Click 'Image Per Square' button to put each image within a series, on the viewing panels

Series Per Square

Click 'Series Per Square' button to put each image   within
a series, on the viewing panels

Toolbar

You can use the toolbar to access exam-related information without having to view the exam. Just select the exam, and associated icon.
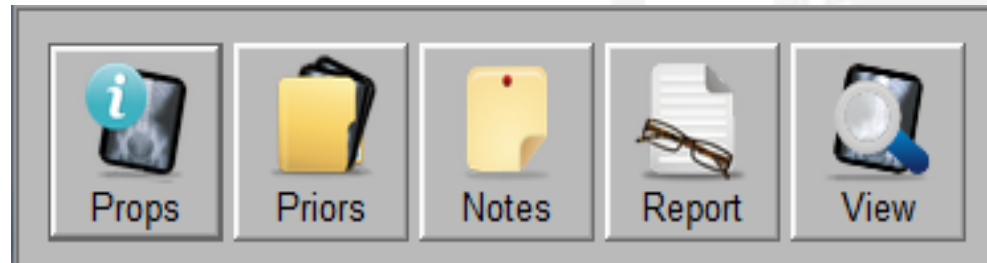
From the toolbar, you can access:

Exam properties
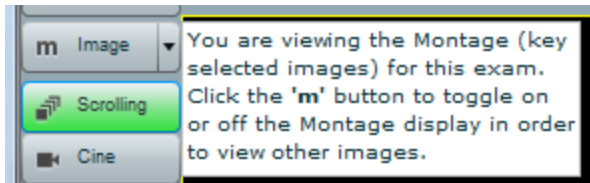Prior exams
Notes
Report

Montage

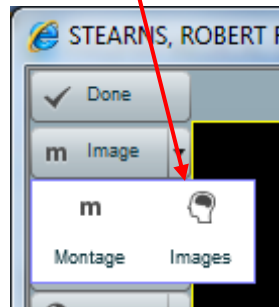If the exam has a montage, it will display first.

The montage is a collection of key images created by the Radiologist.

Montage (cont.)

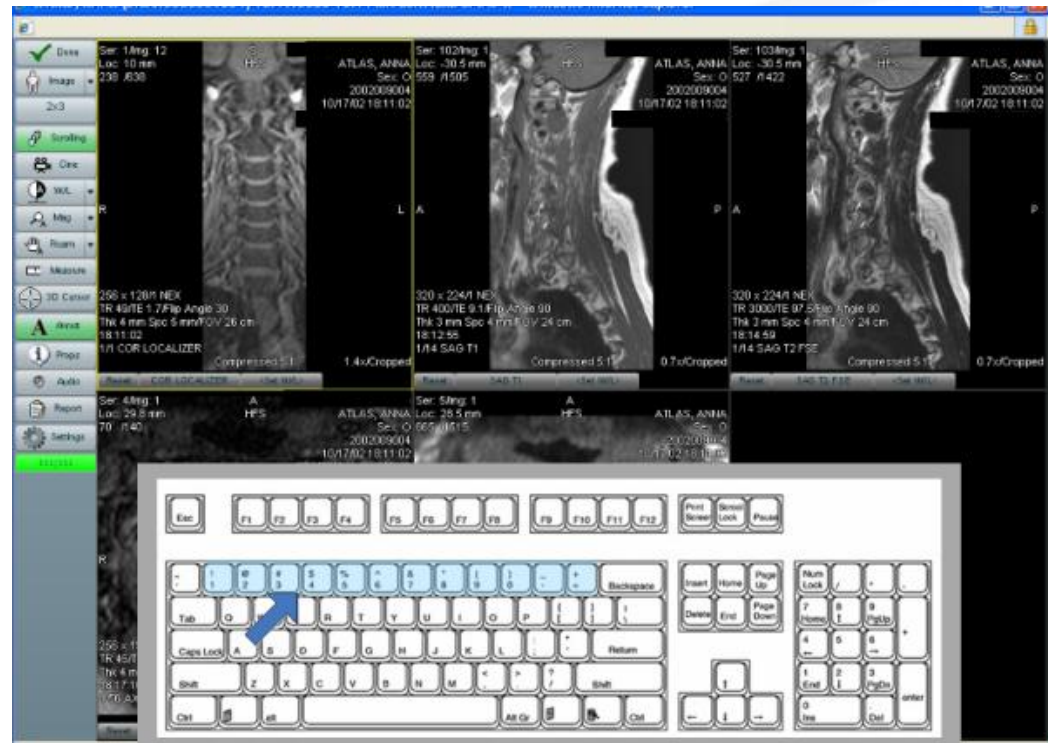To close the montage, click "M" on the keyboard,

or click 'IMAGE'

And select 'IMAGES'

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Formatting Your Display

- You can use the number keys on your keyboard to adjust your display
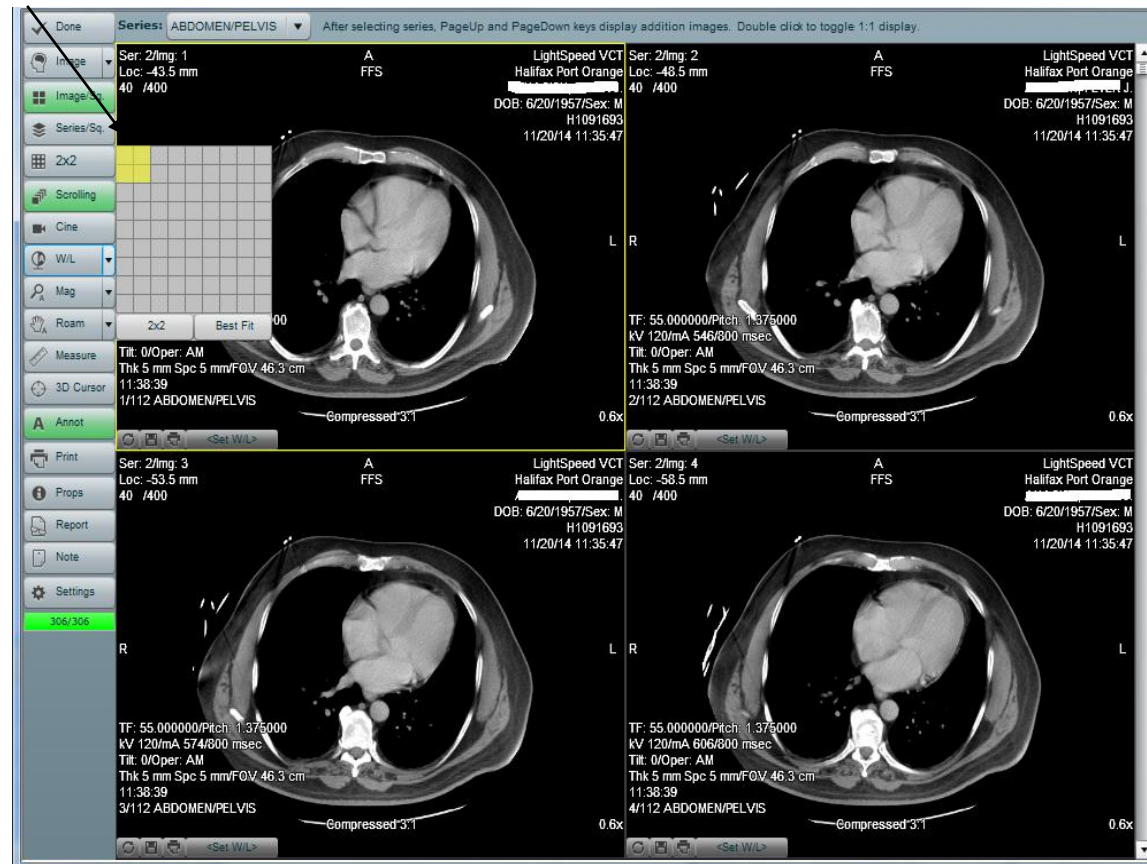
- 1 = 1 image
- 2 = 2 images
- 3 = 3 images
- Etc…

Formatting Your Display

You can also use the grid…

Highlight the format you want and click

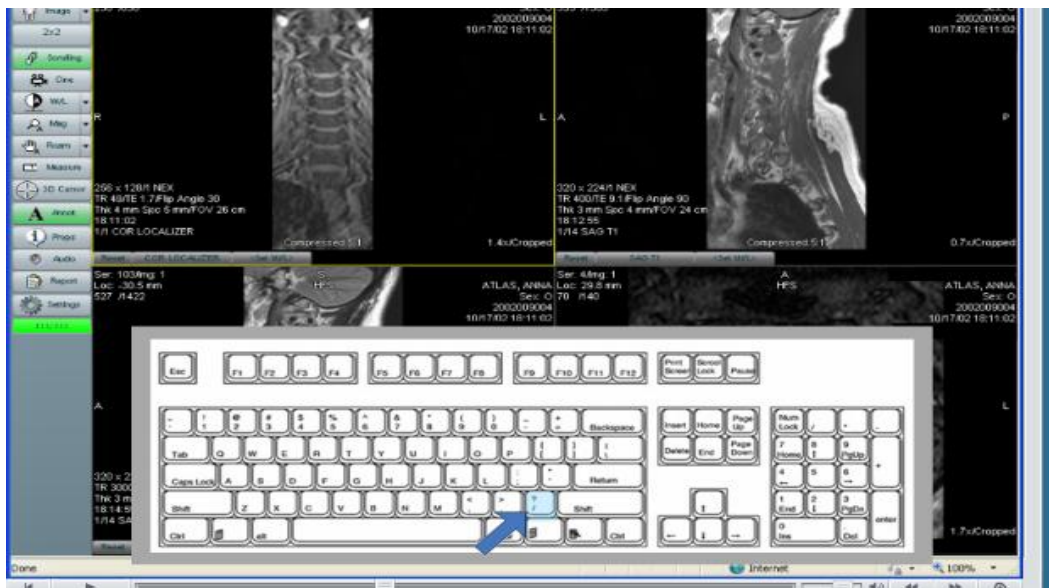The images display in the format chosen

Best Fit

You can use 'Best Fit' to allow the system to display the images in which they Display best.

To do so, click the Forward Slash " / " on your keyboard, or choose BEST FIT in the grid

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Annotations

To View or HIDE annotations, click "A" on the keyboard, or click ANNOTATIONS
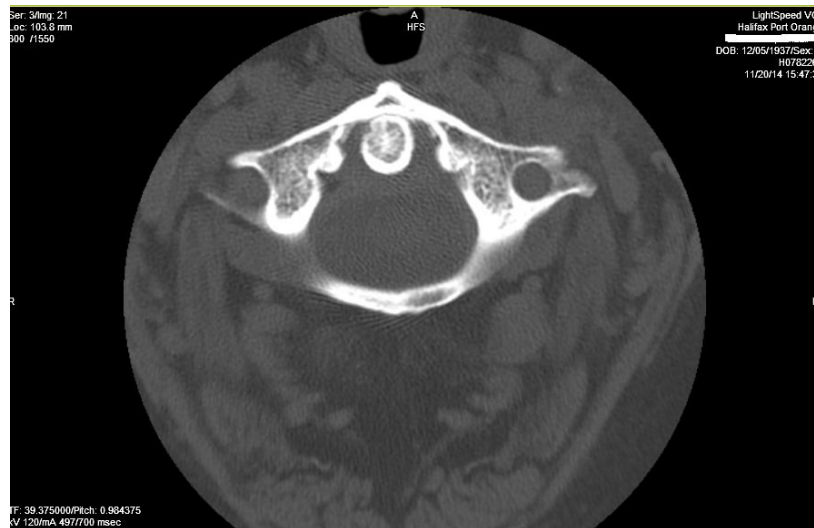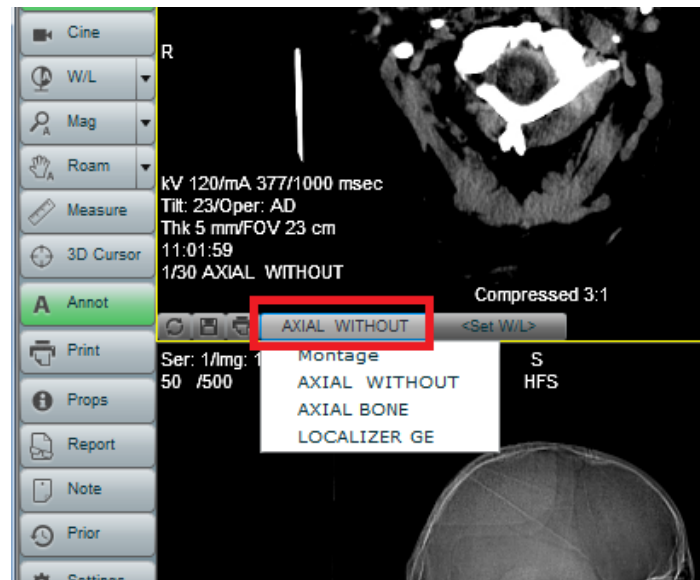
Image WITH annotations
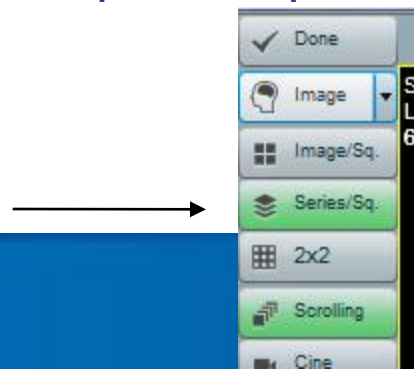
Image WITHOUT annotations

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Series Images

- To view different Series of Images, you can click the series name, and the other series available will be displayed – OR –
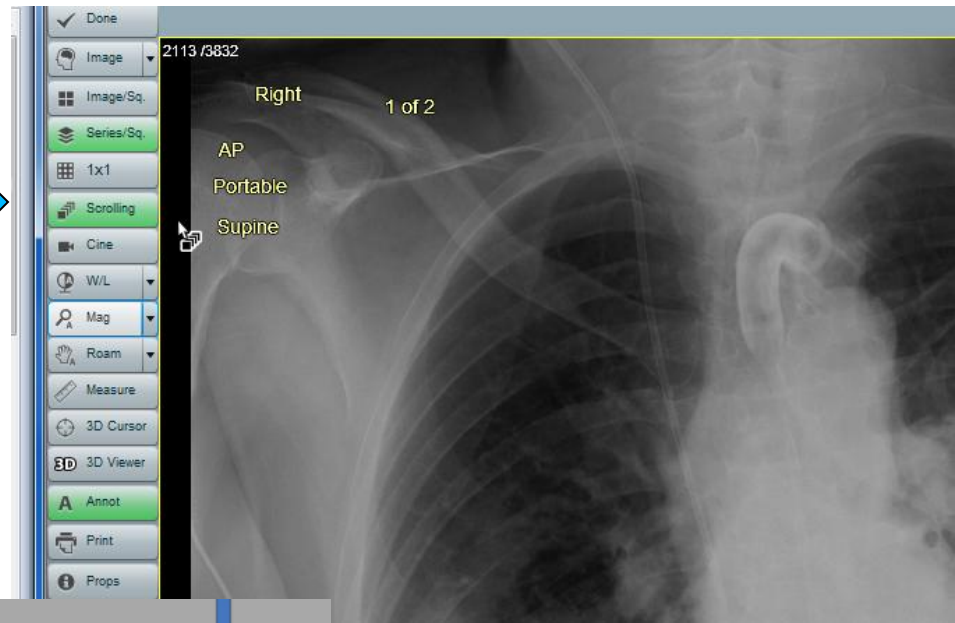

- choose Series Per Square to put one series in each viewing panel

Scrolling thru a series of images

With the scrolling tool selected, press and hold the left mouse button.
Drag up to page forward, drag down to go backward thru the images

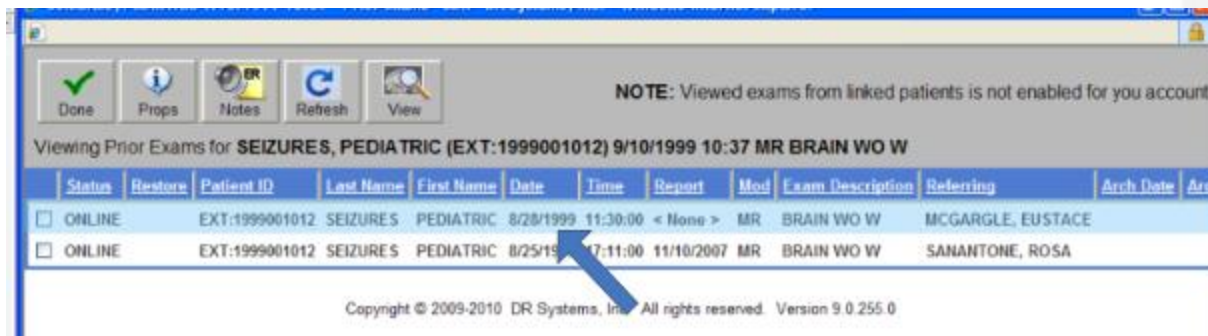You can also use the up and down arrow keys on the keyboard, or the mouse wheel

OR

Viewing Comparison Exams

You can use the ZDA to view the current exam and a comparison exam simultaneously – click "PRIOR"

A list of prior exams displays. Double-click an exam

Comparison Exams cont.

ZDA displays the current exam on the left, and the comparison exam on the right.

Viewing Tools

Tools are available such as:

Window/Level

Magnify

Roam

Measurement

3D cursor

NOTE: Image edits made with the viewing tools apply only to the current session, and are NOT saved after the exam is closed.

Window/Level Tool

Allows you to adjust the brightness and contrast of an image.

You can window and level to a single image, or apply to all images.

Move the pointer over the image.

Click and hold the left mouse button

Drag the mouse forward and backward to adjust the brightness.

Drag the mouse left and right to adjust the contrast.
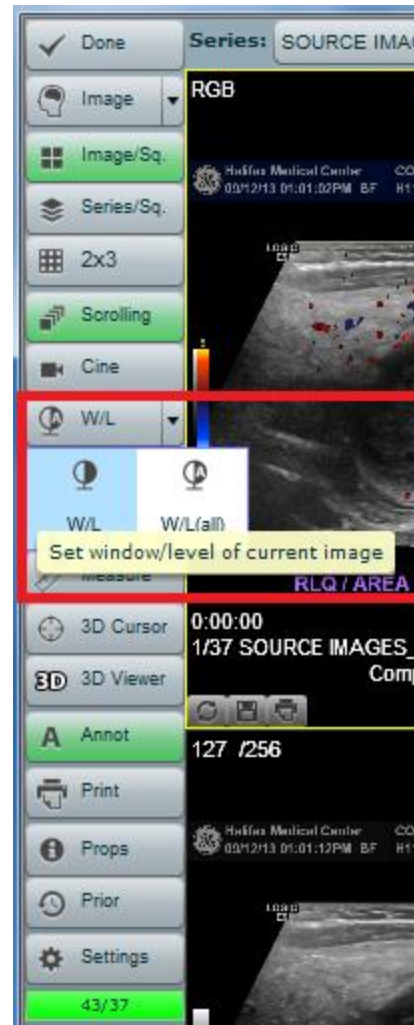
Click reset button to restore to original state

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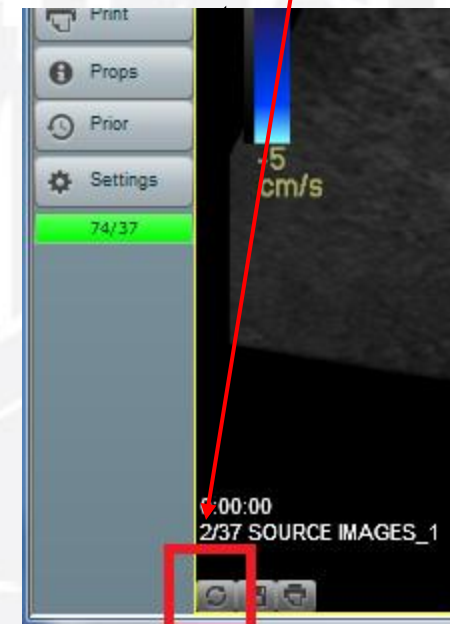
Magnify Tool

You can use the Magnify tool to magnify an image.

The Magnify tool provides the following options:

- **Drag**

  This option allows you to set the magnification and focus by clicking and dragging the mouse.

- **Select**

  This option allows you to select an area to magnify. The area is magnified to completely fill the display.
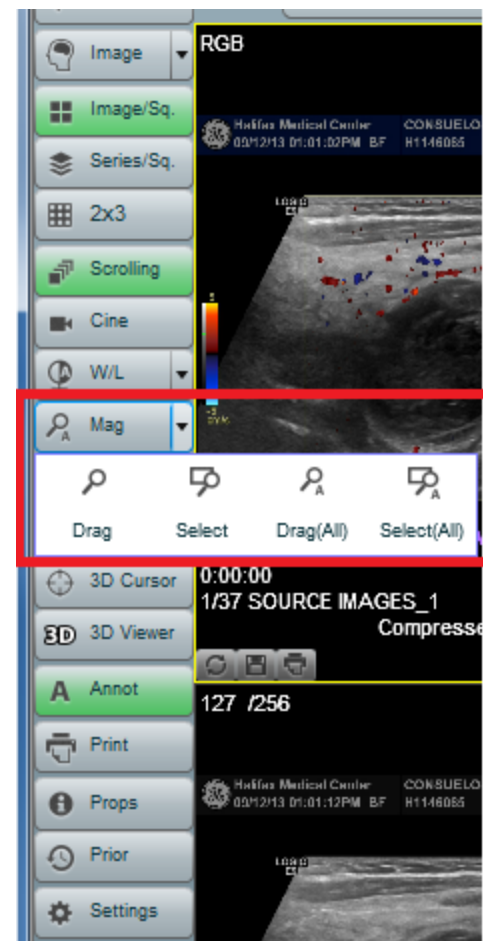
Magnify DragTool

Click and hold the left mouse button…
Drag up to **Zoom In**

The magnified image is centered on the area where you clicked.
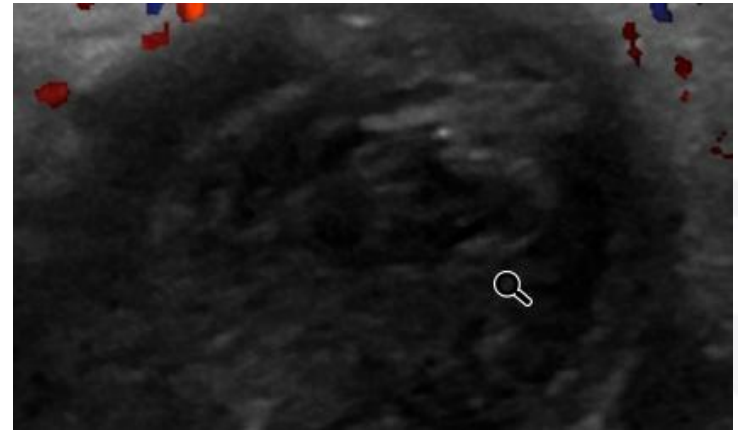
Drag down to Zoom Out
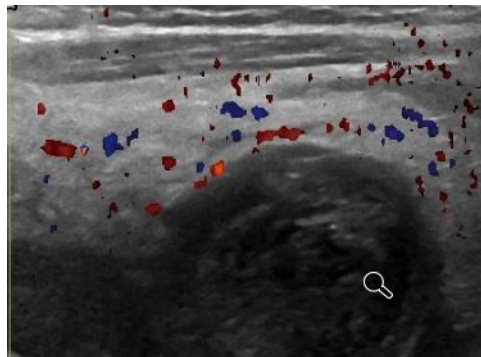
Click reset to restore the original magnification
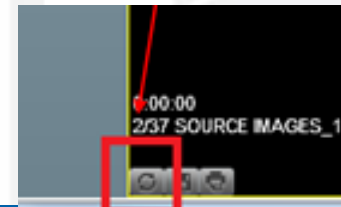
Magnify Select Tool

Click and drag to highlight the area you want to magnify

The area you selected is magnified to fill the display
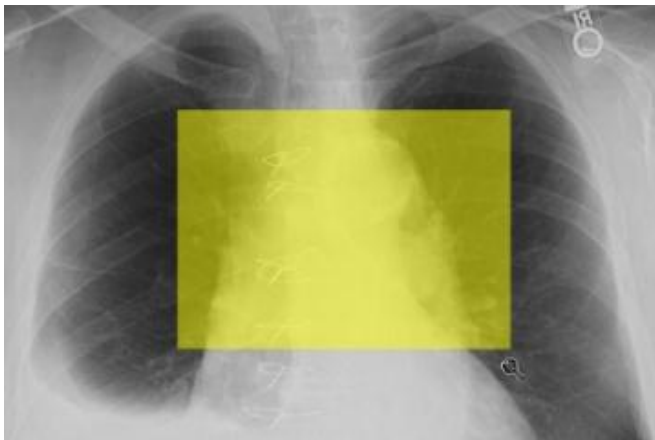
Click RESET to restore the original magnification
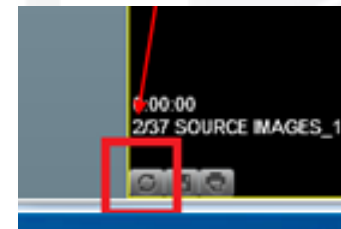
Roam

You can use the ROAM tool to move the image within the square if the image is magnified so that it is larger than the square.

Click and hold the left mouse button, move the mouse to move the image

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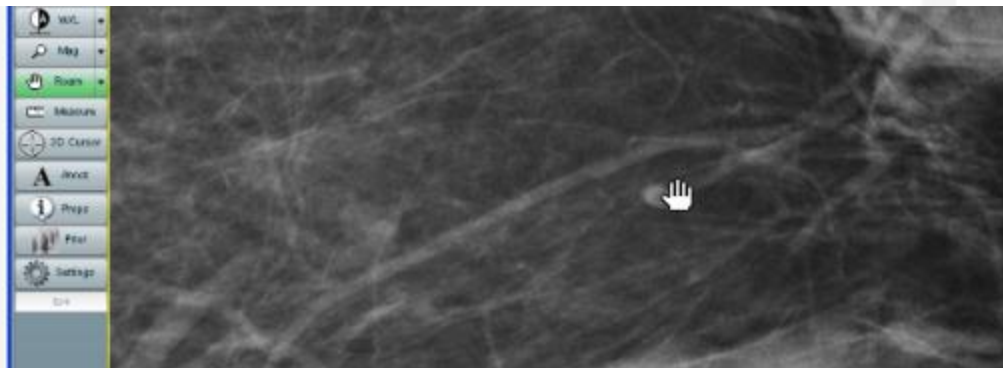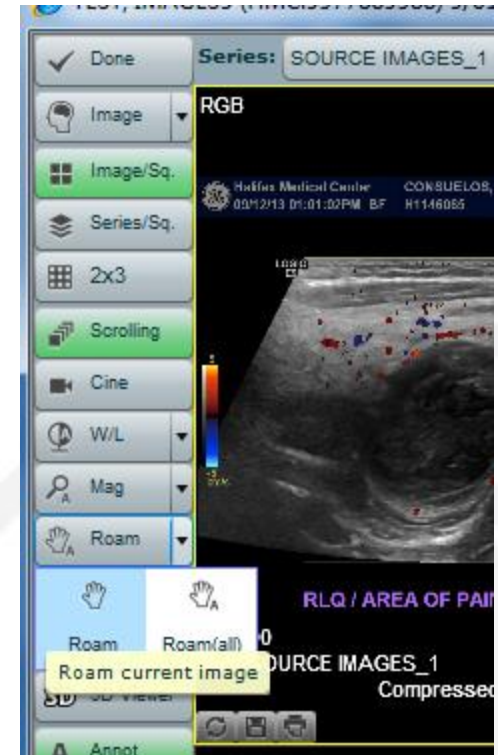
Measurement

You can use the Measurement tool to add measurements to an image.

Most the pointer to the start of the measurement.

Click and drag to measure
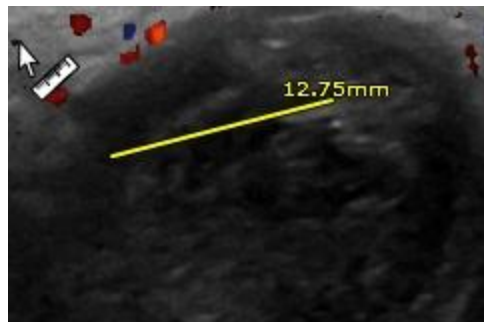
3D Cursor Tool

The 3D cursor tool targets an area in the primary series and the same area in all displayed series.

Click an area on an image.

The system targets the same area in all the other displayed Series.

If you move the cursor on one image, the cursor moves to Target the corresponding area on the other series.
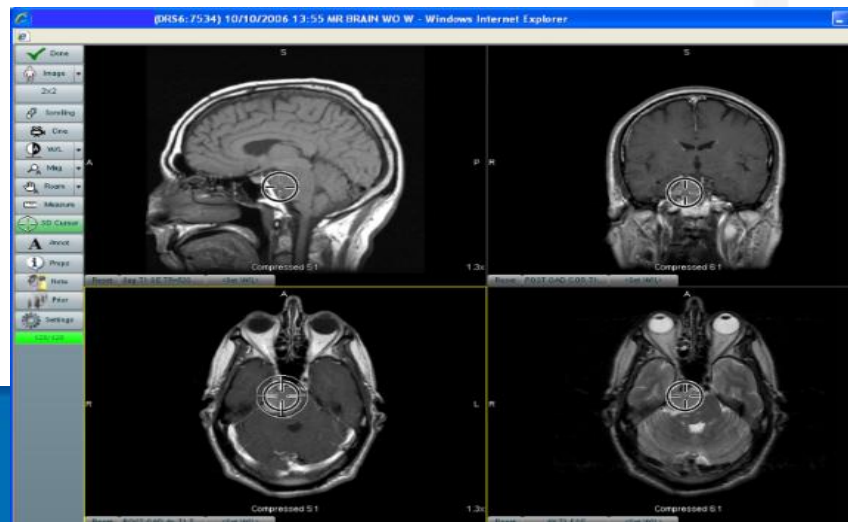
Logging Out

When finished viewing exams, you can log out using the LOGOUT button on the top right of the screen
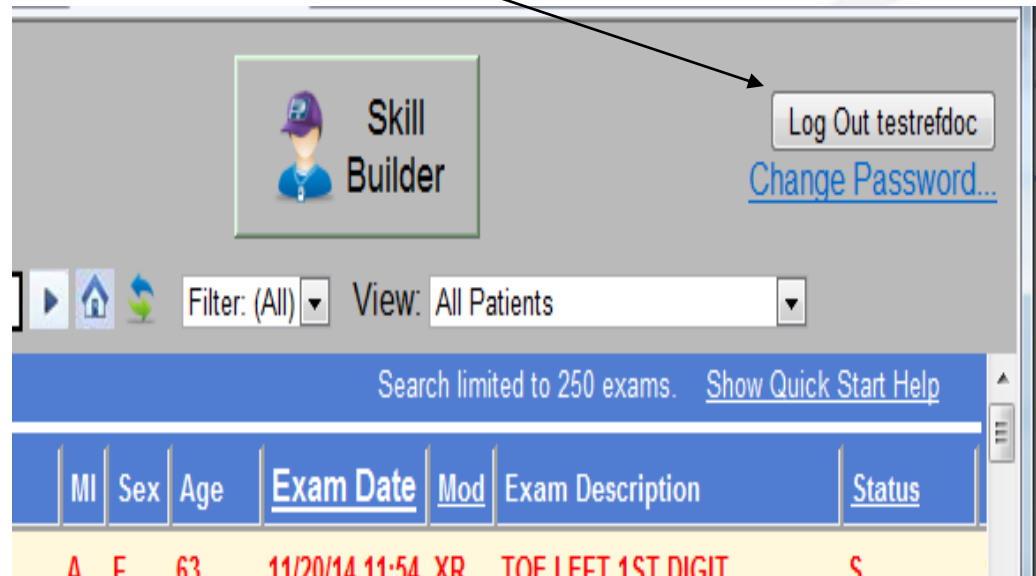
Changing Password

You may change your password at any time by simply clicking on the <u>Change Password</u> link.
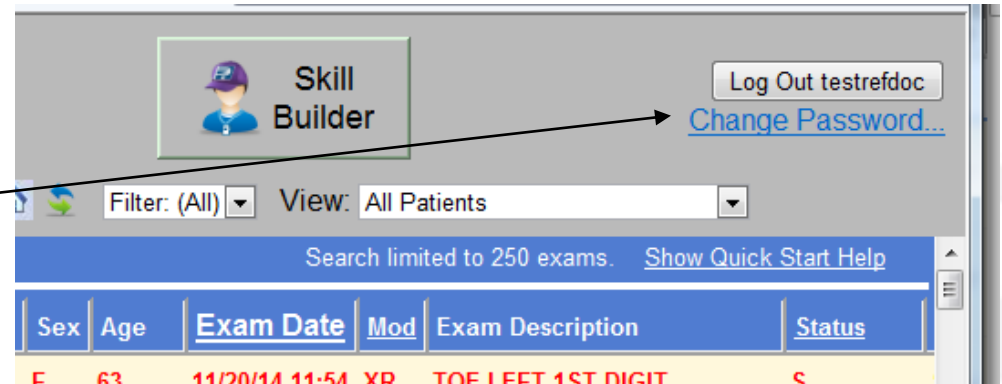
You will then be prompted to enter your:
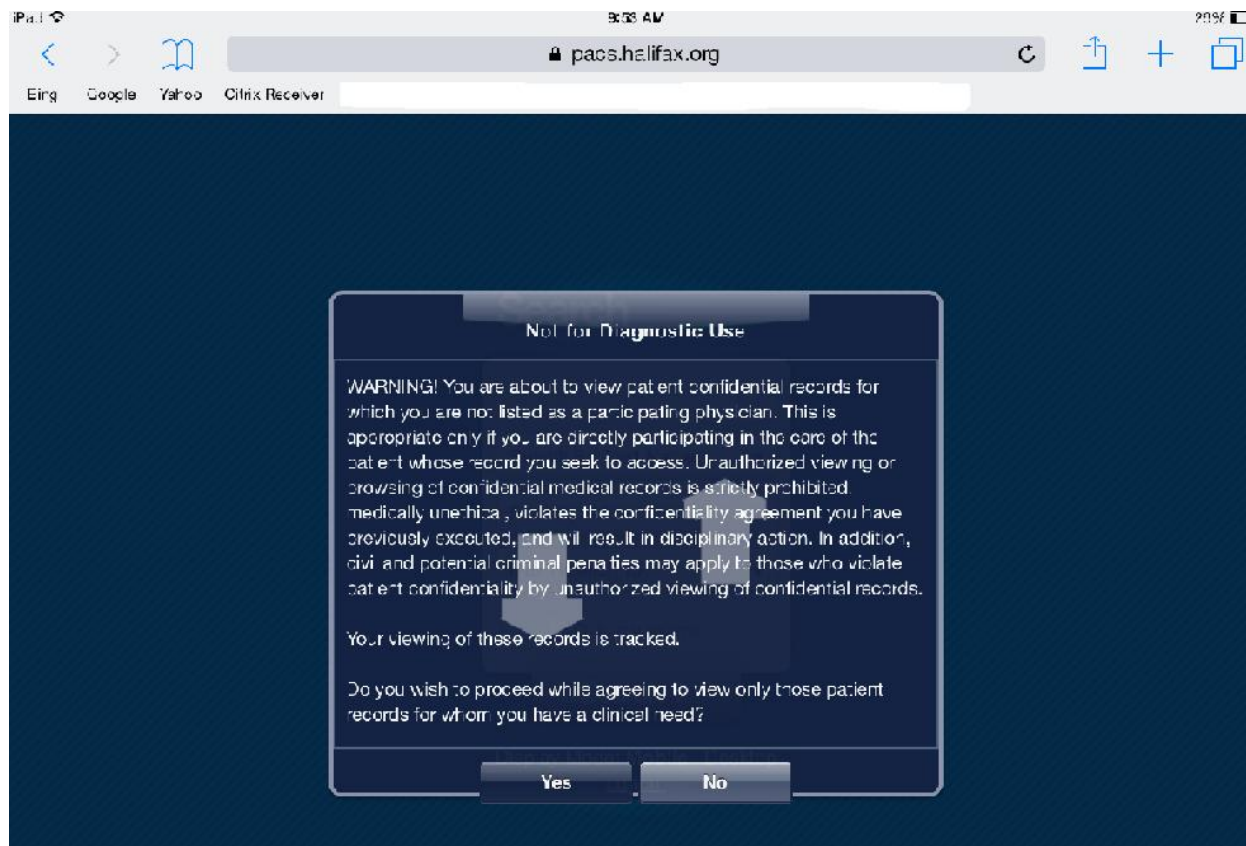 OLD pswd,
 NEW pswd,
 and CONFIRM the NEW pswd

Online Tutorial w/in ZDA

ZDA Mobile (iPad/iPhone/Android)

Same functionality as when used on pc or Mac, but slightly different look and feel
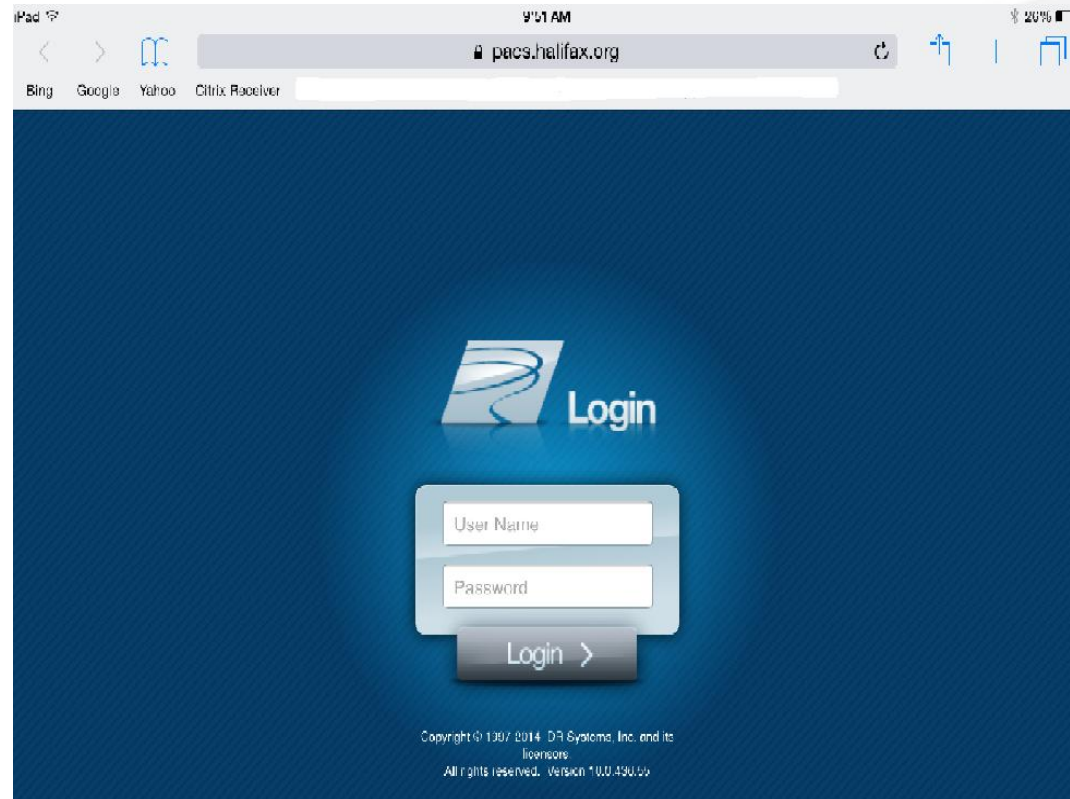
HIPPA agreement must choose 'Yes'

Search for Patient
Last Name by default
(or change criteria as needed)

If needing to search the entire database

uncheck the 'only my exams' checkbox

HIPPA agreement must choose 'Yes'
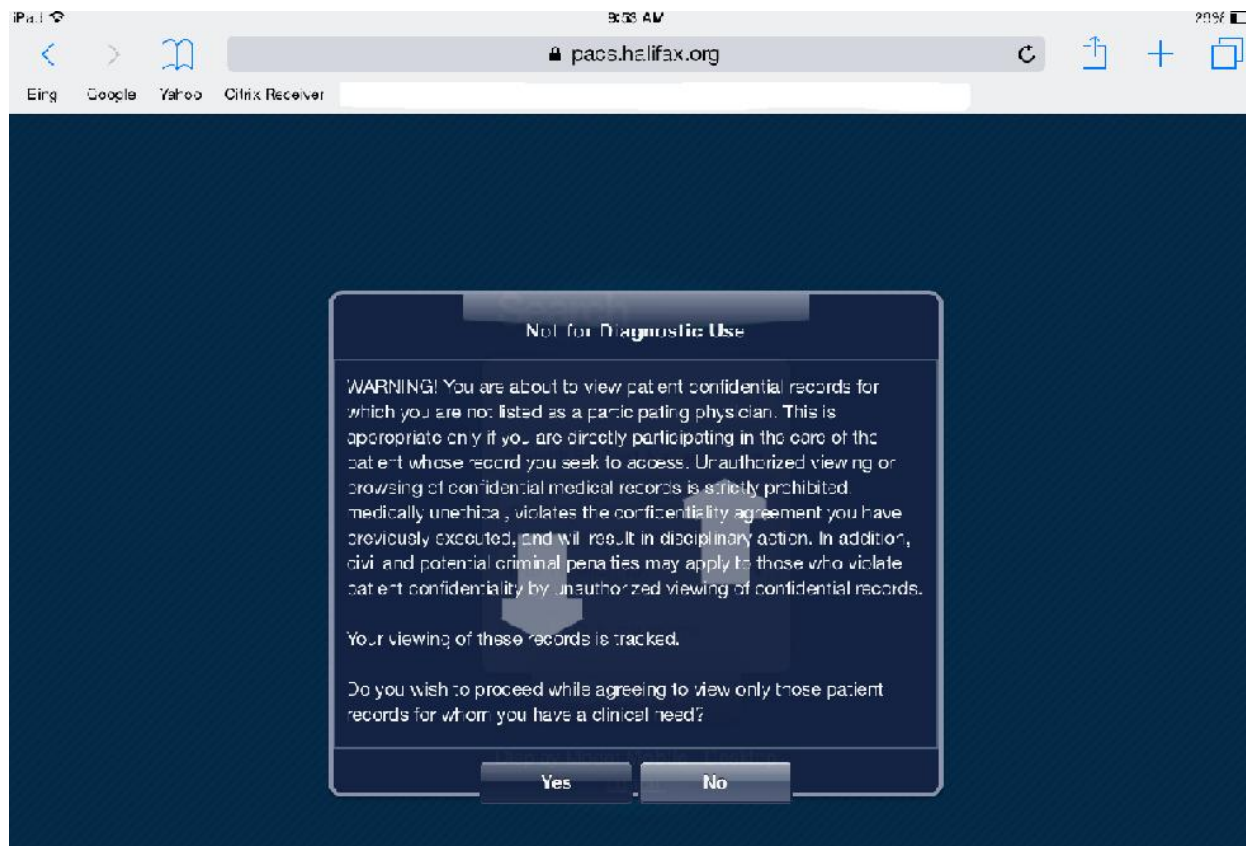
Search results appear … select exam …

Image Details –
select Images, Report, Montage, etc…

Image view

Icon functionality
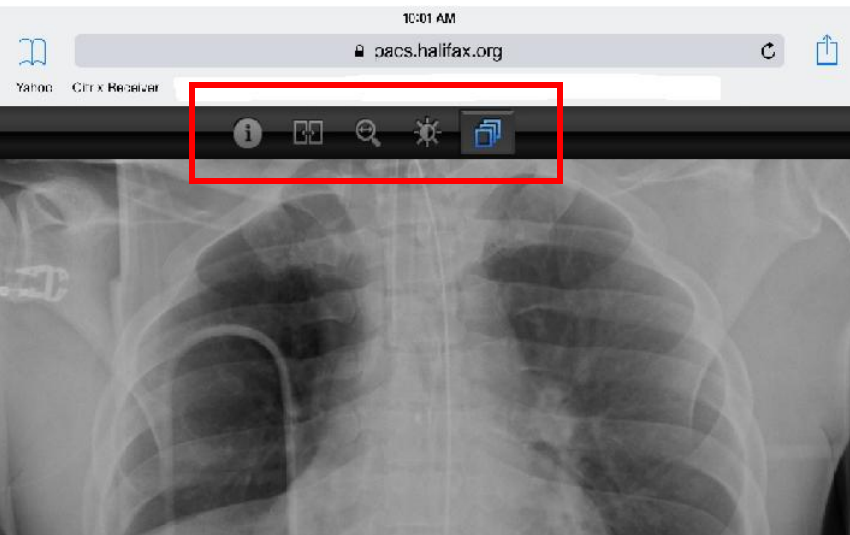
i icon — Displays or removes patient information on the image

Prior exams icon — Displays prior exams for patient
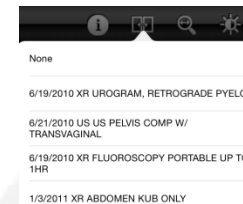
Brightness icon — Allows for adjustment of brightness and contrast of images
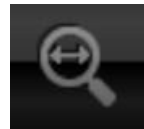
Magnification icon — Allows for magnification of images
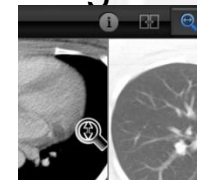
Scroll icon — Enables scrolling thru images

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Report View

QUESTIONS ?

Radiology IT is glad to help…

Just call the Radiology Dept, ext 4070 and they will get someone to assist you
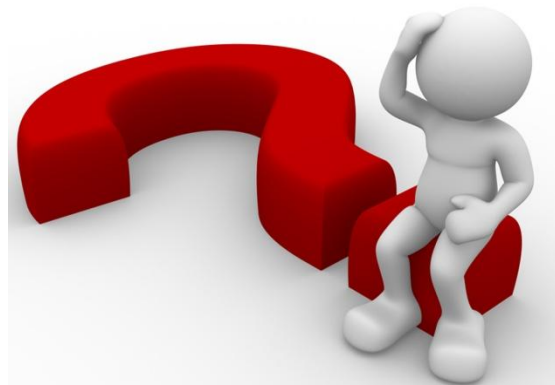
If the issue is specific to Radiology Associates, please contact them at 274-5454