IntelliSpace® PACS Radiology.lnk

IntelliSpace PACS 4.4

Radiology Overview
For UAHN Radiology Physicians

Philips IntelliSpace Defined

Philips IntelliSpace PACS is a medical image and information management system.

- The application provides:

    – On-demand diagnostic-quality images

    – Advanced radiology reading stations for radiologists

    – Long-term storage (Always online)

Learning Objectives

Use IntelliSpace PACS Enterprise to:

– Search for patients

– Select and view exams

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THE UNIVERSITY OF ARIZONA
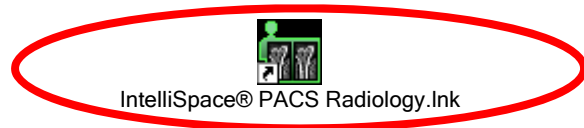HEALTH NETWORK

IntelliSpace PACS Enterprise

- Will replace Synapse Fuji PACS for managing images

- Used by: Clinicians (Referring Physicians, Nurses, Surgeons, Techs)

- For: Viewing, analyzing, & qualifying exams
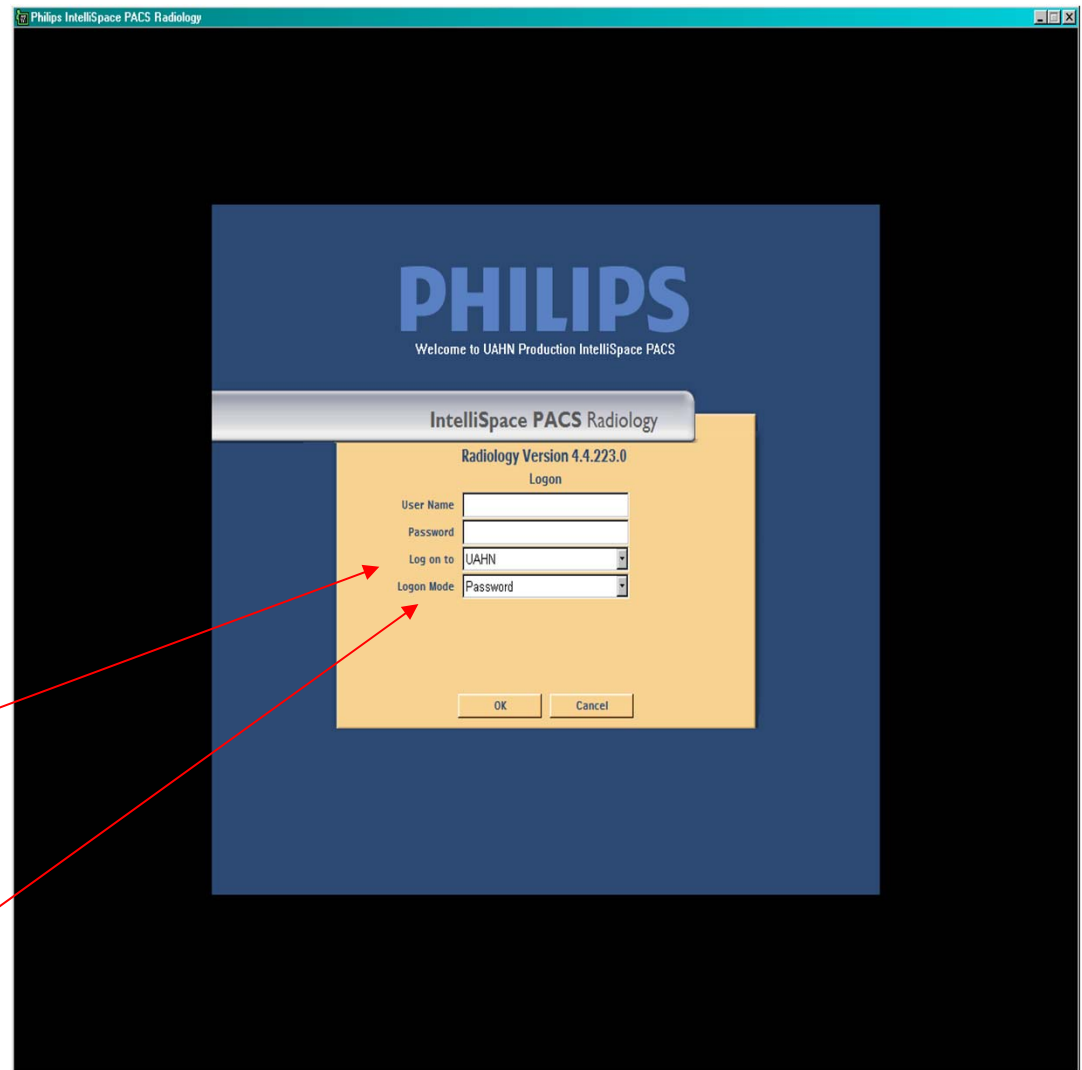
How To: Log In

1. **Click on the IntelliSpace PACS ICON:** located on your desktop

   IntelliSpace® PACS Radiology.lnk

2. **User Name, Password:** Is the same as your network, email, Citrix login.
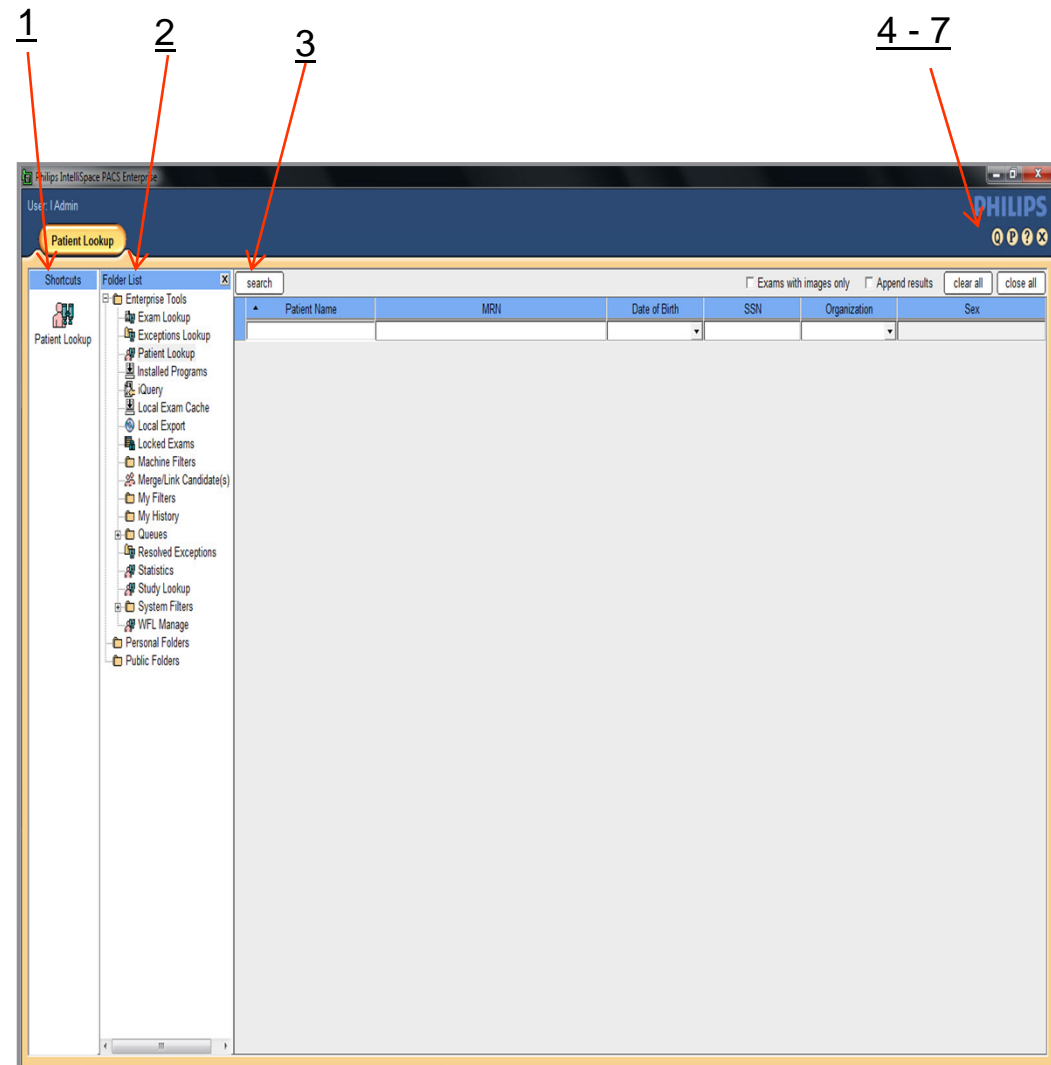
3. **Log on to**: UAHN

4. **Logon Mode**: Password

IntelliSpace PACS Radiology Start-Up Window

1. **Shortcuts Bar**: Customizable lists to frequently accessed folders, exams and filters. **Just drag and drop from the folder list.**

2. **Folder List**: List of all the folders, filters and tools in IntelliSpace PACS Enterprise

3. **Patient Lookup**: Patient, exam search engine and sort function

Start-Up Window Continued

4. **iExport Queue**: Real-time display status of the exams that have been exported via the iExport feature.

5. **Preferences**: User, System and Machine Preference dialog boxes

6. **Help:** IntelliSpace PACS Radiology user manual

7. **Logout Button**: Exit application and return to login window
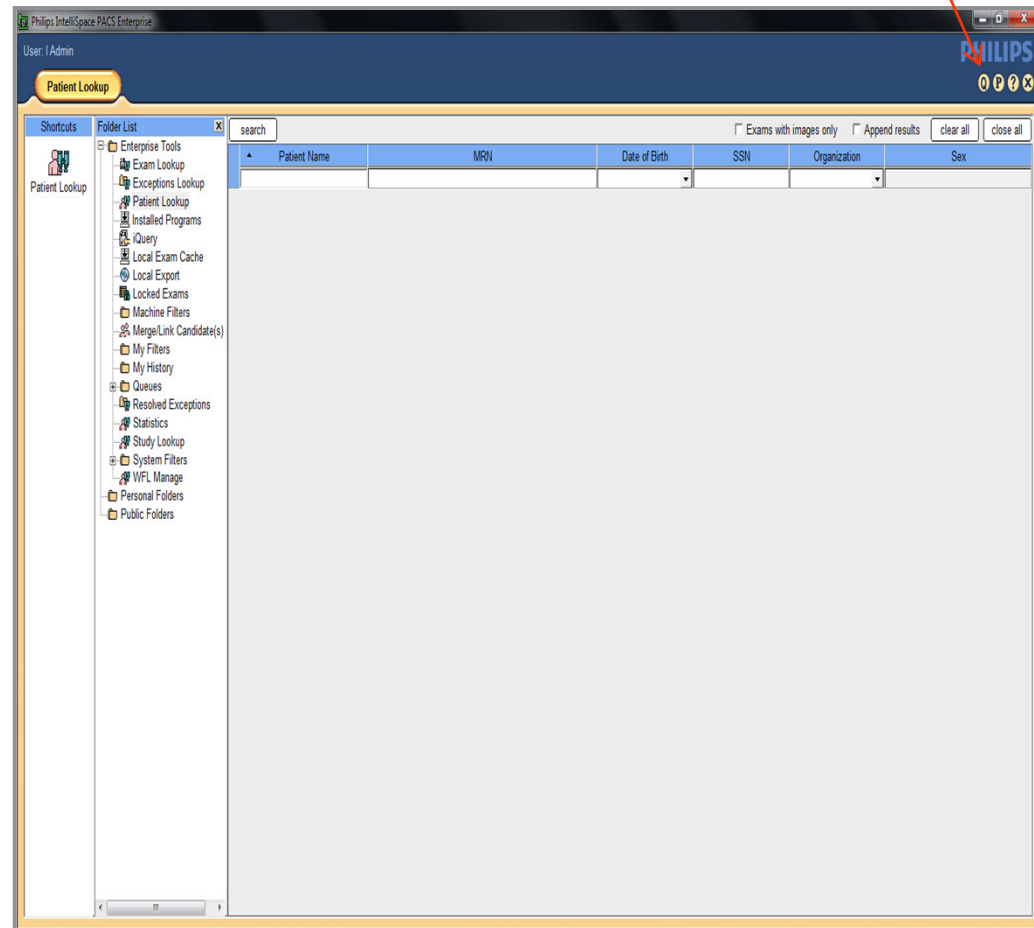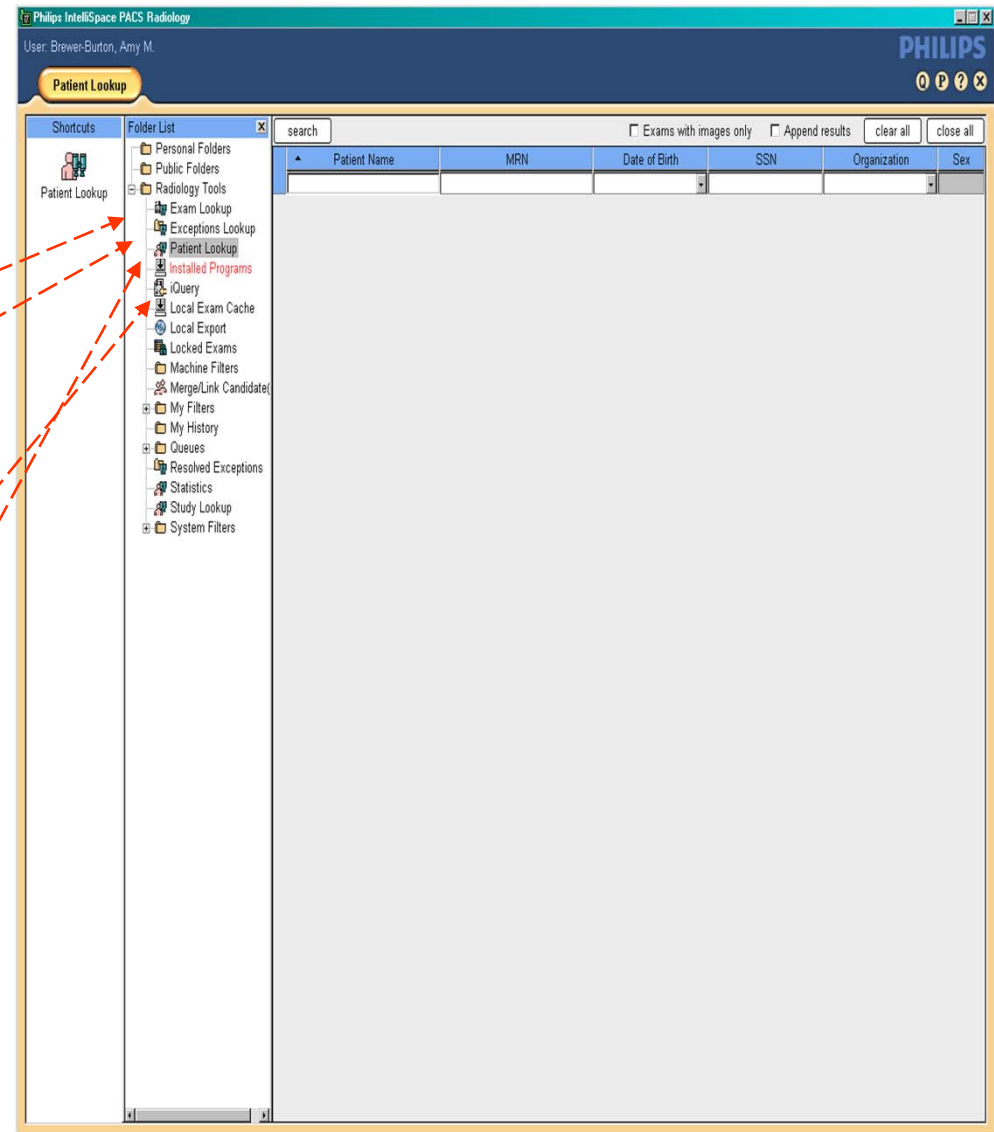
Shortcut Bar and Folder List

- **Shortcuts:** To add, remove or rename items that have been moved into short-cut menus and create different groups for shortcuts

- **Exam Lookup:** To locate exams performed by searching on specific criteria. (Accession, Exam Date, etc.)

- **Exceptions Lookup:** Folder containing system identified Exceptions

- **Patient Lookup**: To locate patients and by searching on specific criteria. **This will show exams with no images in scheduled status.** (name, MRN, etc.)
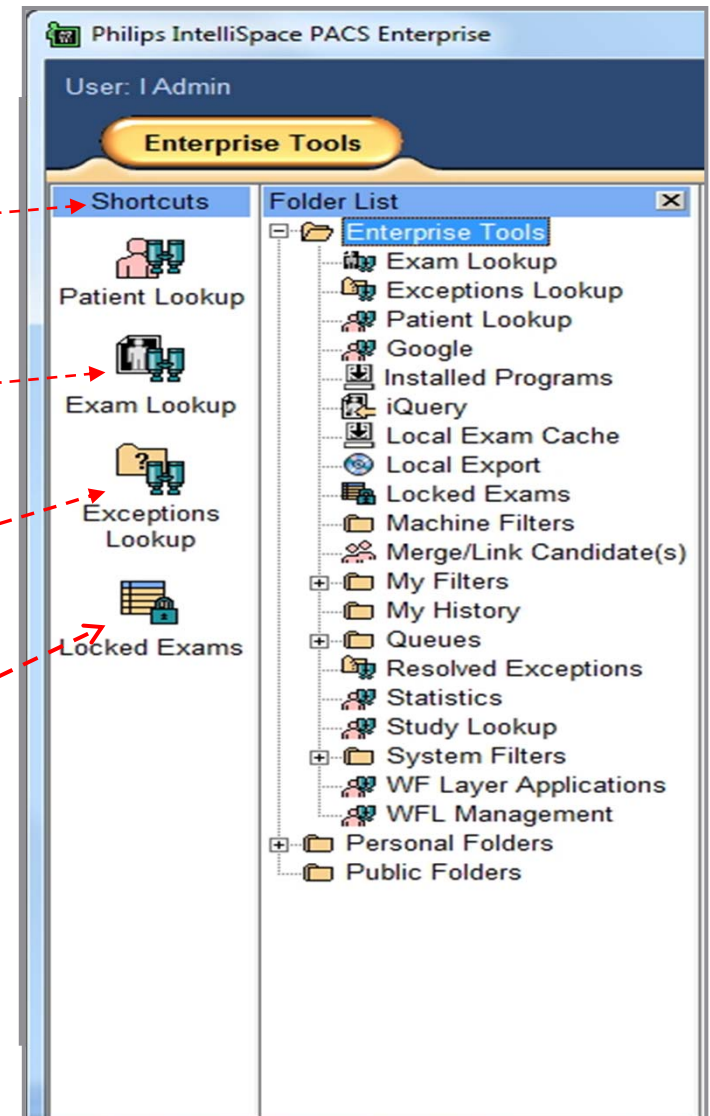
Shortcut Bar and Folder List

- **Exam Lookup:** To locate exams preformed by searching on specific criteria. (Accession, Exam Date, etc.)

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- **Patient Lookup:** To locate patients and by searching on specific criteria. **This will show exams with no images in scheduled status.** (name, MRN, etc.)

- **iQuery:** Tool to query and retrieve studies from other DICOM devices (that is, existing archives)

Shortcut Bar and Folder List (continued)

- **Local Export:** Utility for copying exams and images from IntelliSpace PACS

- **Locked Exams:** Folder containing Exams which are opened by another user at the same time signifying a Lock.

- **Machine Filters:** Machine-specific search filters (based on modality, body part, etc.)

- **My Filters:** User-specific search filters (based on modality, body part, etc.)

- **My History:** List of user's 100 most recently viewed exams
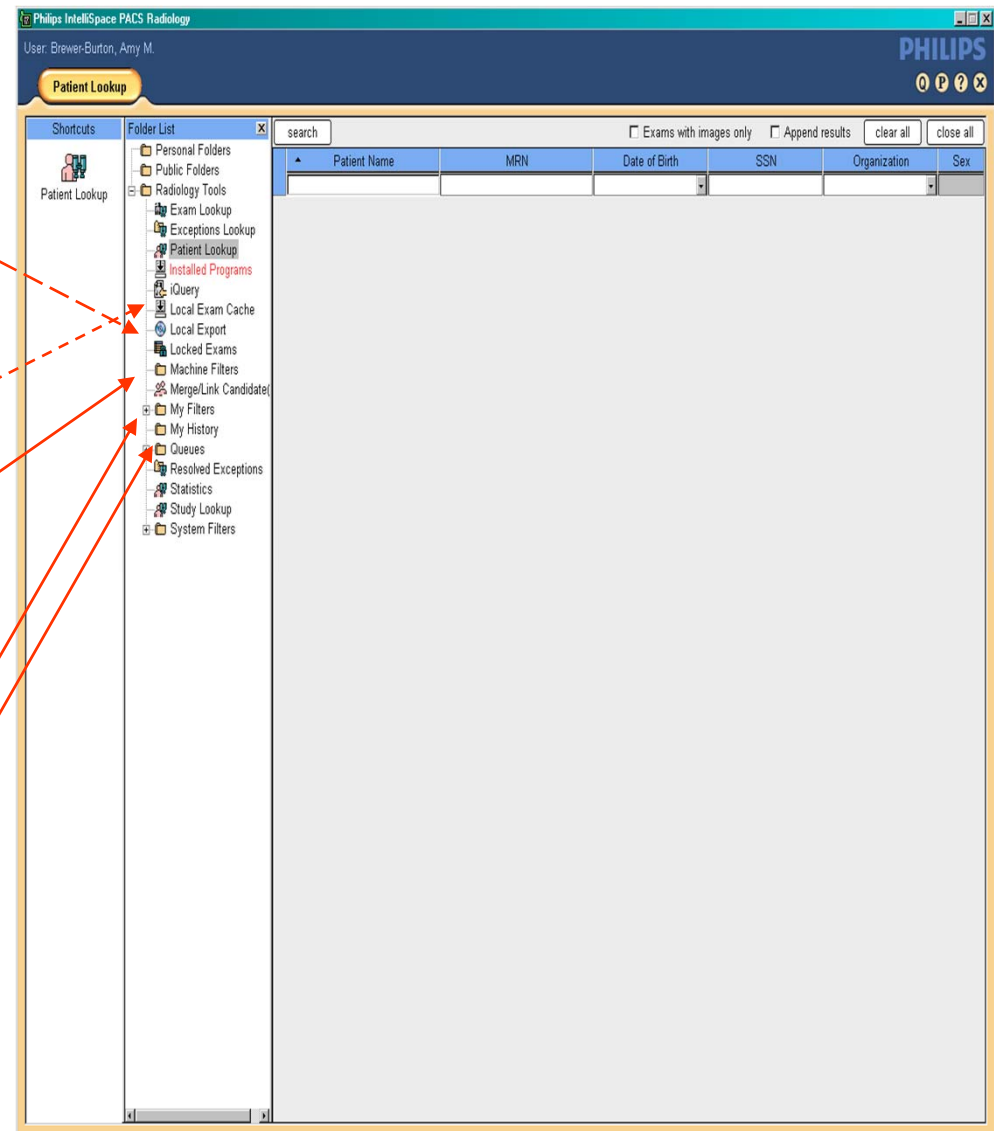
Shortcut Bar and Folder List (continued)

- **Resolved Exception:** Displays the Resolved Exceptions worklist, allowing you to view a list of all resolved exceptions.

- **System Filters:** Filters that are shared by all users

- **Personal and Public Folders:** Personal or public folders, up to 5 levels deep, 25 subfolder each level, 500 max (for example, rounds, teaching files, seminar, etc.)
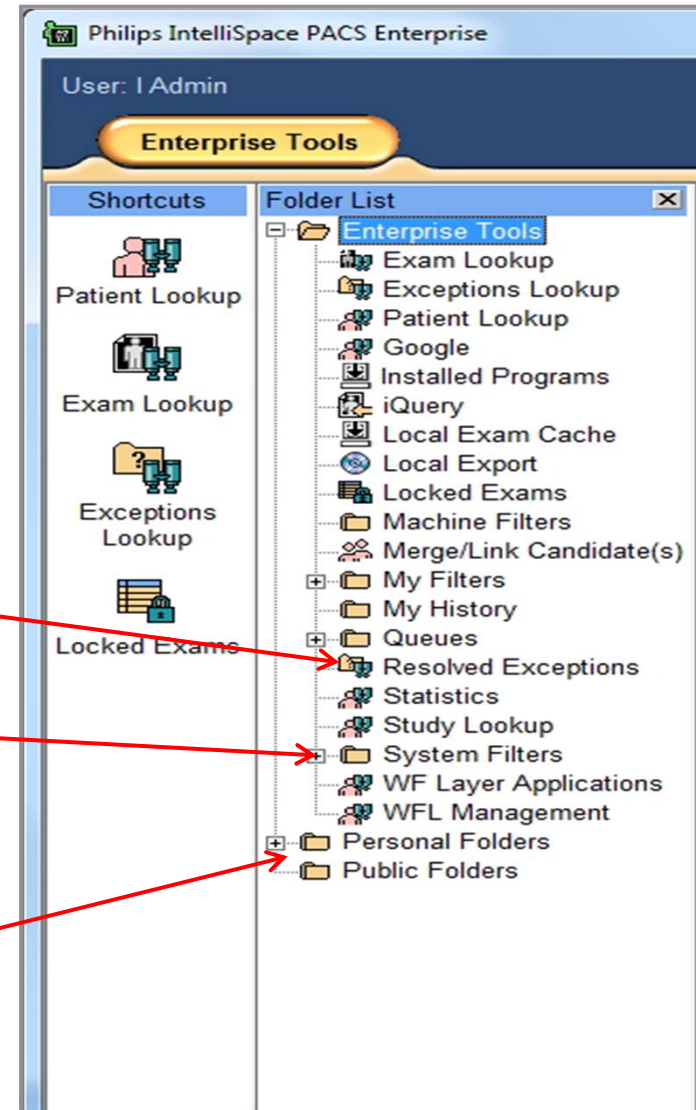
Shortcut Bar and Folder List (continued)

- **Add/ Edit Shortcuts:** Right-click on shortcut bar for menu. Displayed below!

  | Add New Group |
  | Remove Group |
  | Rename Group |
  | Hide Folder List |
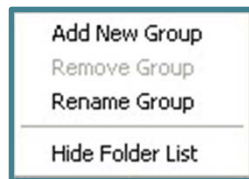
- **OR**
  - Add contents to shortcut bar by dragging and dropping

- **Add/ Edit to Folders:** Right-click on Personal or Public (permission-restricted) folders for menu

- **OR**
  - Add content to folder by dragging and dropping.

Patient Query

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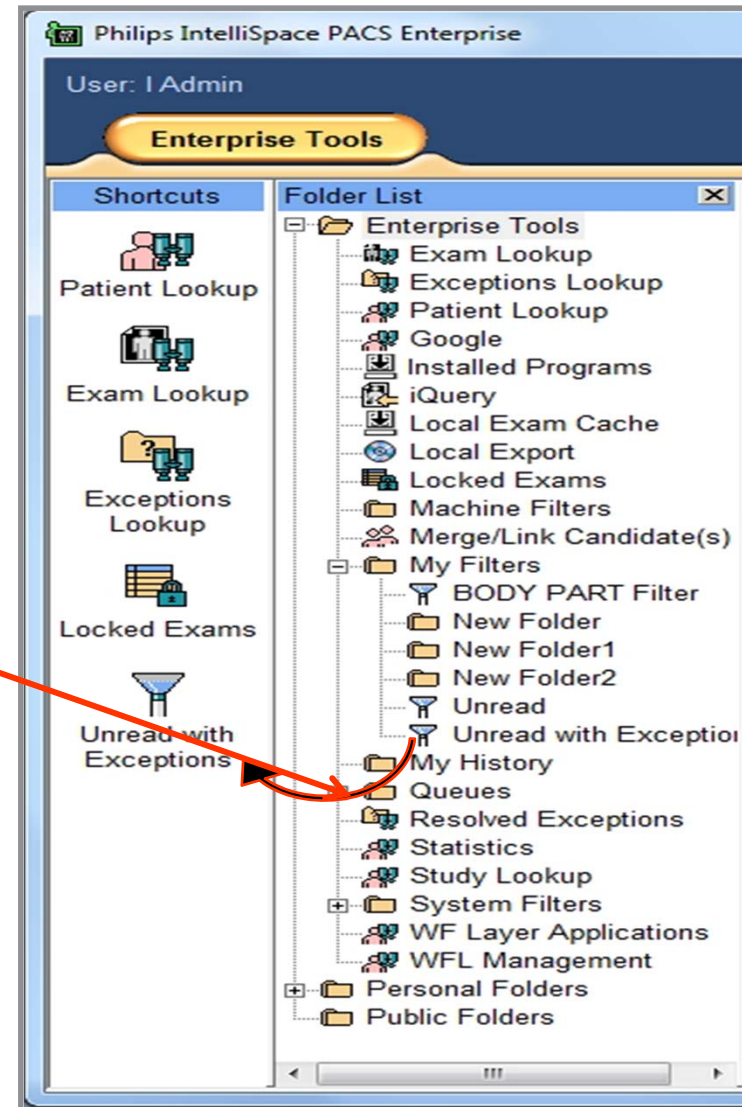
When Patient Lookup is highlighted in Grey. It is the active search selected. **Scheduled Exams are found **only** in this search.

Patient Search

1. **Search:** Search on Patient Name, MRN, etc

2. Click on ⊞ next to patient name to expand the patient record to locate exams.

3. **Clear all:** This removes all patient information in the search boxes.

Click the Append results to keep original search information; then enter the new search information to see multiple criteria.

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Exam Lookup is used to located completed exams.

1. Double click the patient highlighted to open images.

2. Right click highlighted exam for available options. For example: Show report if images are not available.

3. If no image icon is located beside the exam; images are **not** available.

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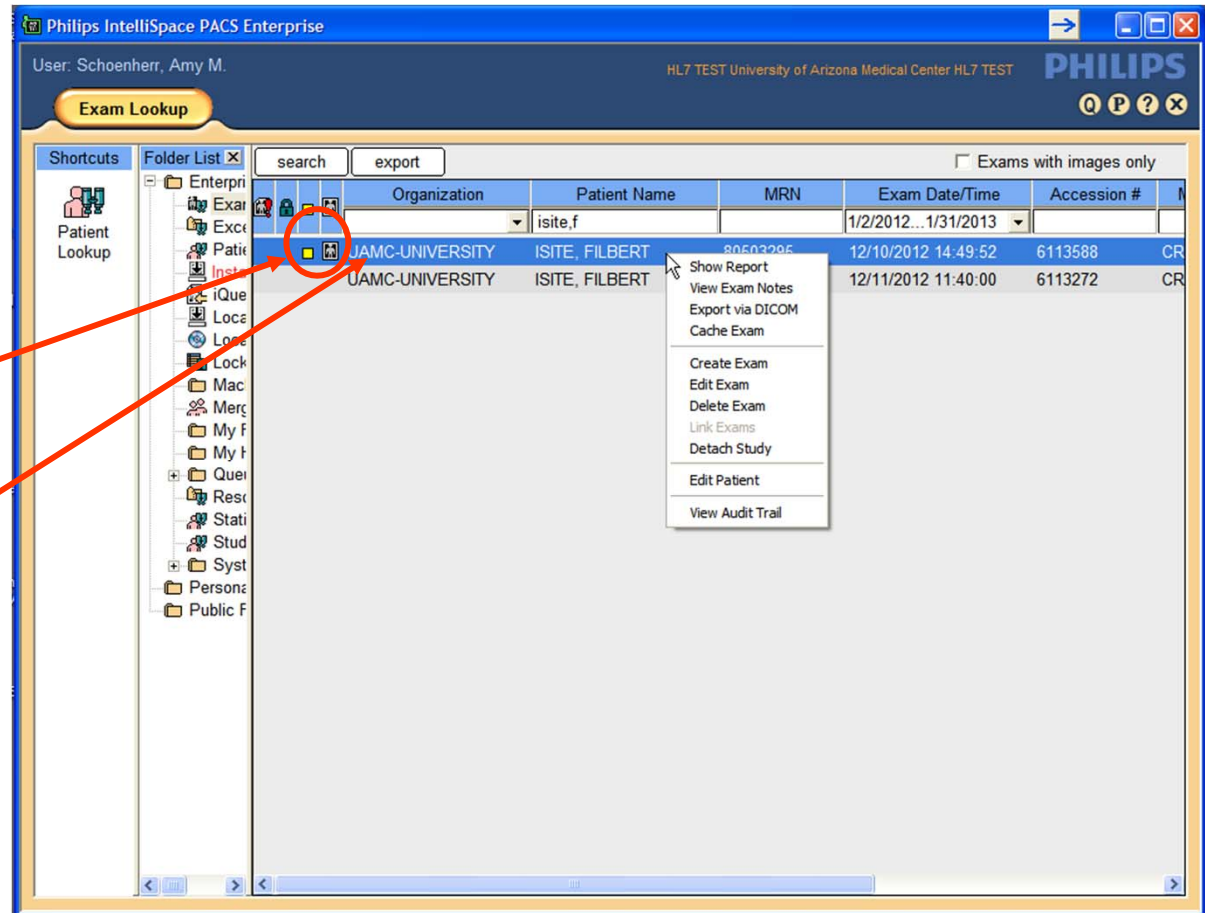
# Patient/Exam Lookup Symbols

1. Patient/Exam Lookup Criteria:
   – Right-click to **display** or *__hide__* additional symbols and Patient/exam criteria.

|					
		STAT Exam		Report Available
		Locked Exam		Has Images
		Linked Exam		Exam Scheduled
		Marked Read		Exam Notes
		Exception		

Viewing Images

Canvas Page

1. **Patient Information Area:** Patient's name, DOB, sex, MRN, Referring Physician and Patient Class

2. **Patient Timeline:** History of and navigation menu to all of a patient's studies in IntelliSpace PACS

3. **Exam notes:** When icon is present, indicates diagnostic report is available for the exam. *Double click icon to open report.*

4. **Exam Margin:** Access point to exam specific menu and information
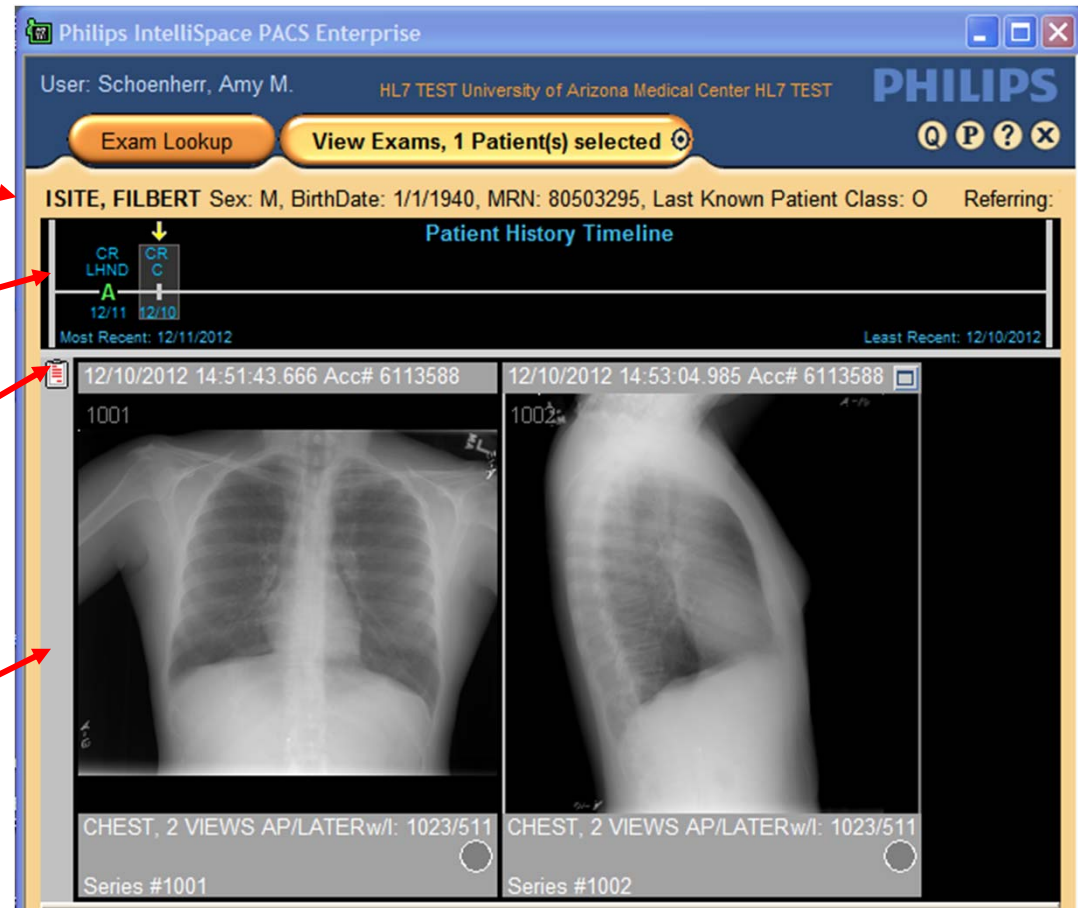
Canvas Page (continued)

5. **Thumbnail:** Thumbnail view of image

6. **Exam Rack:** Set of images that make up the exam

7. **Image/ Series Information:** Image specific information (for example; description, number of images, slice thickness, etc.)

8. **Image/ Series date and time:** Exam accession number, Date and Time image was acquired

9. **Close Exam:** Exit from exam and return to patient directory
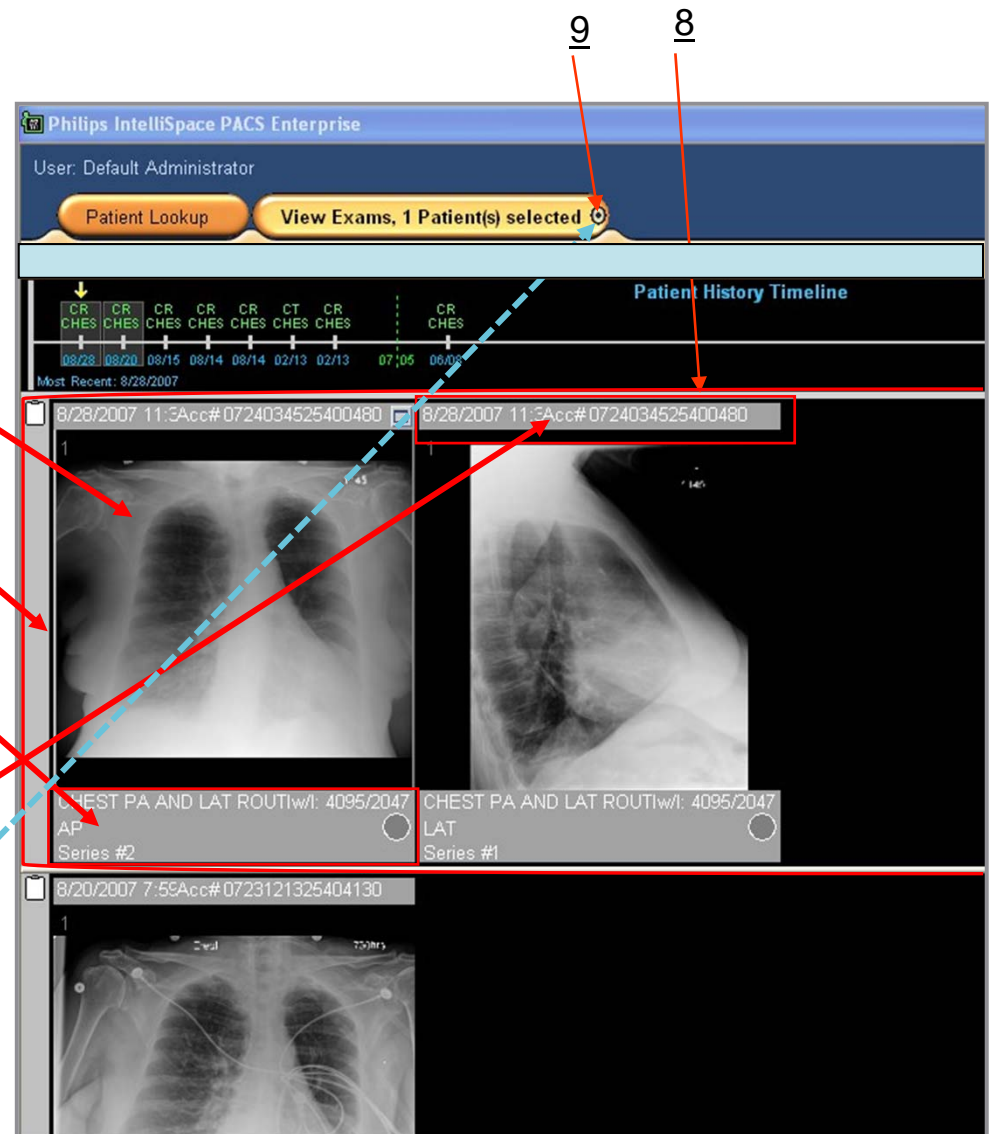
Control Strip

Select bulls eye icon to close current patient record

Exam Lookup

View Exams, 1 Patient(s) selected

ISITE, FILBERT Sex: M, BirthDate: 1/1/1940, MRN: 80503295, Last Known Patient Class: O   Referring: TEST GRADY, KAPRII

Patient History Timeline

CR LHND   CR C

A

12/11   12/10

Most Recent: 12/11/2012   Least Recent: 12/10/2012

Return to Patient Lookup or area where exam was initially launched

Right-click to navigate between different patients exams

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Patient History Timeline

Left-click to open exam

Hover mouse to view exam information

User: Schoenherr, Amy M.   HL7 TEST University of Arizona Medical Center HL7 TEST   PHILIPS

Exam Lookup   View Exams, 1 Patient(s) selected

ISITE, FILBERT Sex: M, BirthDate: 1/1/1940, MRN: 80503295, Last Known Patient Class: O   Referring: TEST GRADY, KAPRII

Patient History Timeline

CR LHND   CR C

Acc#: 6113588
Date/Time: 12/10/2012 14:49:52
Ref. Physician: TEST GRADY, KAPRII
Procedure Description: XR CHEST, 2 VIEW
Status: FINAL
Patient Class: O

Most Recent   Least Recent: 12/10/2012

12/10/201   /10/2012 14:53:04.985 Acc# 6113588

1001

- Definition of above Navigation Menu
  – Including History of exam

- Colors and symbols in timeline

Green	No diagnostic report
Blue	Diagnostic report available
"	"	Image available
"X"	No images
"A"	Exams on 3rd party digital archive—not on IntelliSpace PACS server

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Patient History Timeline (continued)
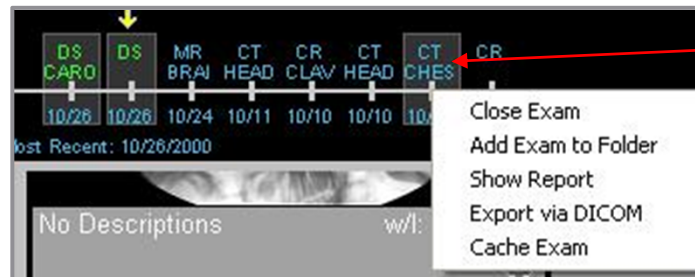
Right-click for menu

Timeline Sub-menu:

❖ Open Exam: Open exam and return to main Patient Directory

❖ Close Exam: Close exam and return to main Patient Directory

❖ Add Exam to Folder: Copy exam to a folder in folder tree

❖ Show Report: View diagnostic report

Diagnostic Report

Navigation within the Exam Rack

- Exam Rack: the set of images in a study

- Reorder series by dragging and dropping on grey image header or footer.

- Navigating steps to view stacked series.
  1. Mouse wheel
  2. Select "C" on keyboard
  3. Select Cine Loop from context menu
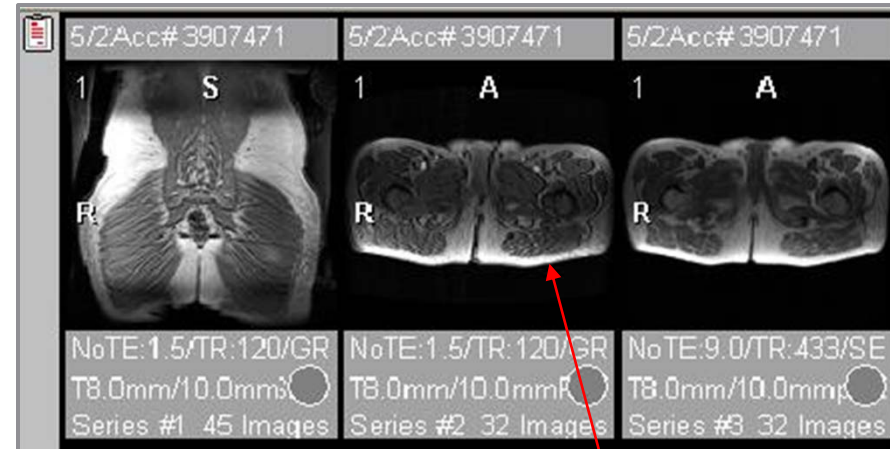
Double-click to open in pop-up window

Adding/Locating Preliminary Notes

- Open the patient's exam from Exam, Patient, or Exception Lookup.

- Single click the clipboard icon.
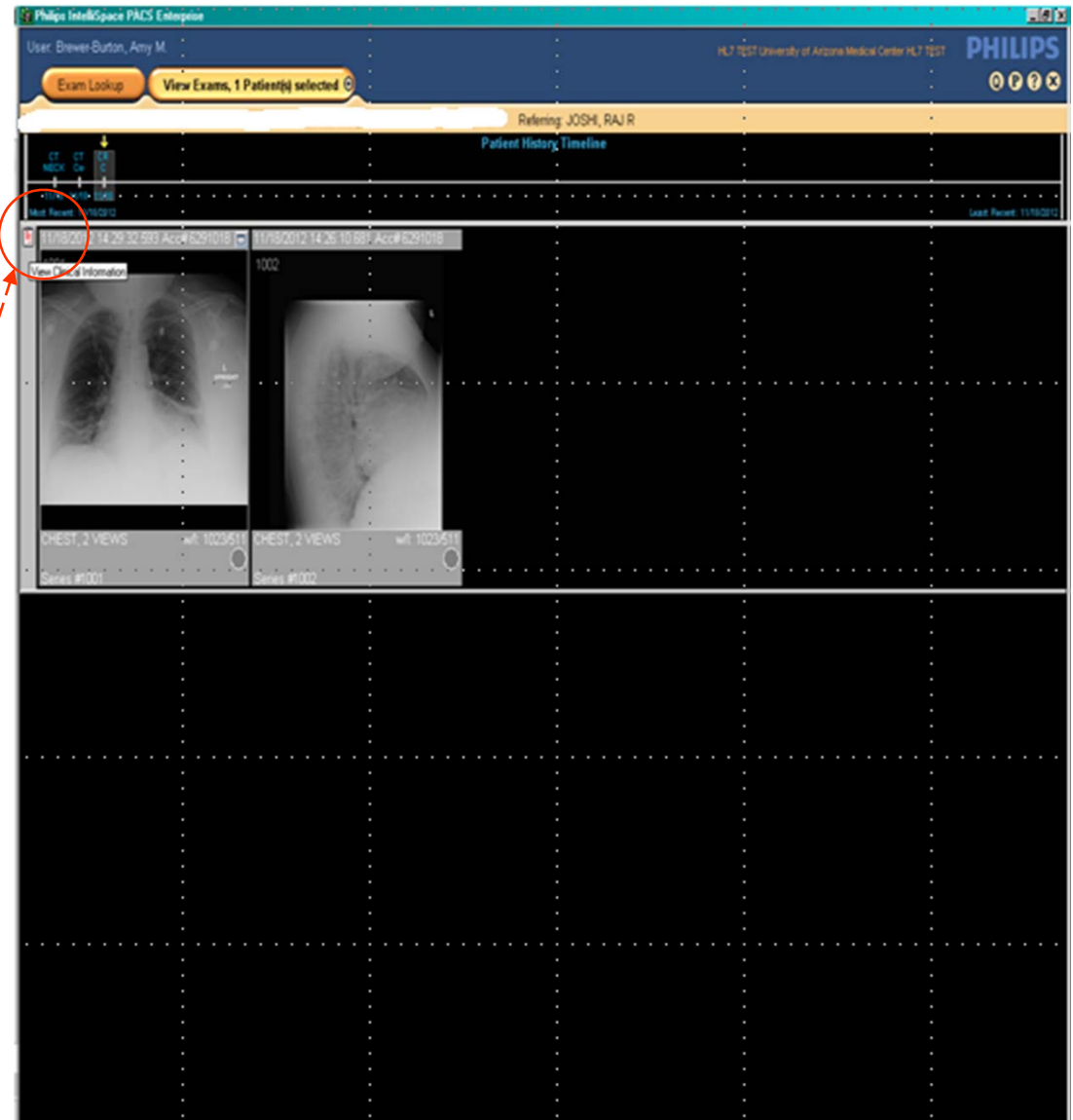
- Click on Exam Notes in the top left corner.

- Next click on New Note in the bottom right corner.

- Select Preliminary Note Radiologist from the drop down menu.

- Subject line must be populated with a remark.

- Write remarks in white area then click save note.

- You will see your note listed for review and that the Exam Note count has increased.

- You will also find the preliminary notes from the ER physician or technologist to you listed under Preliminary Notes ED Physician or Technologist Note.

- Critical Note can be highlighted and will place a urgent marking beside the note.

Beside the exam will be a yellow square noting the exam has been noted. If marked critical an exclamation point will be on top of the icon.
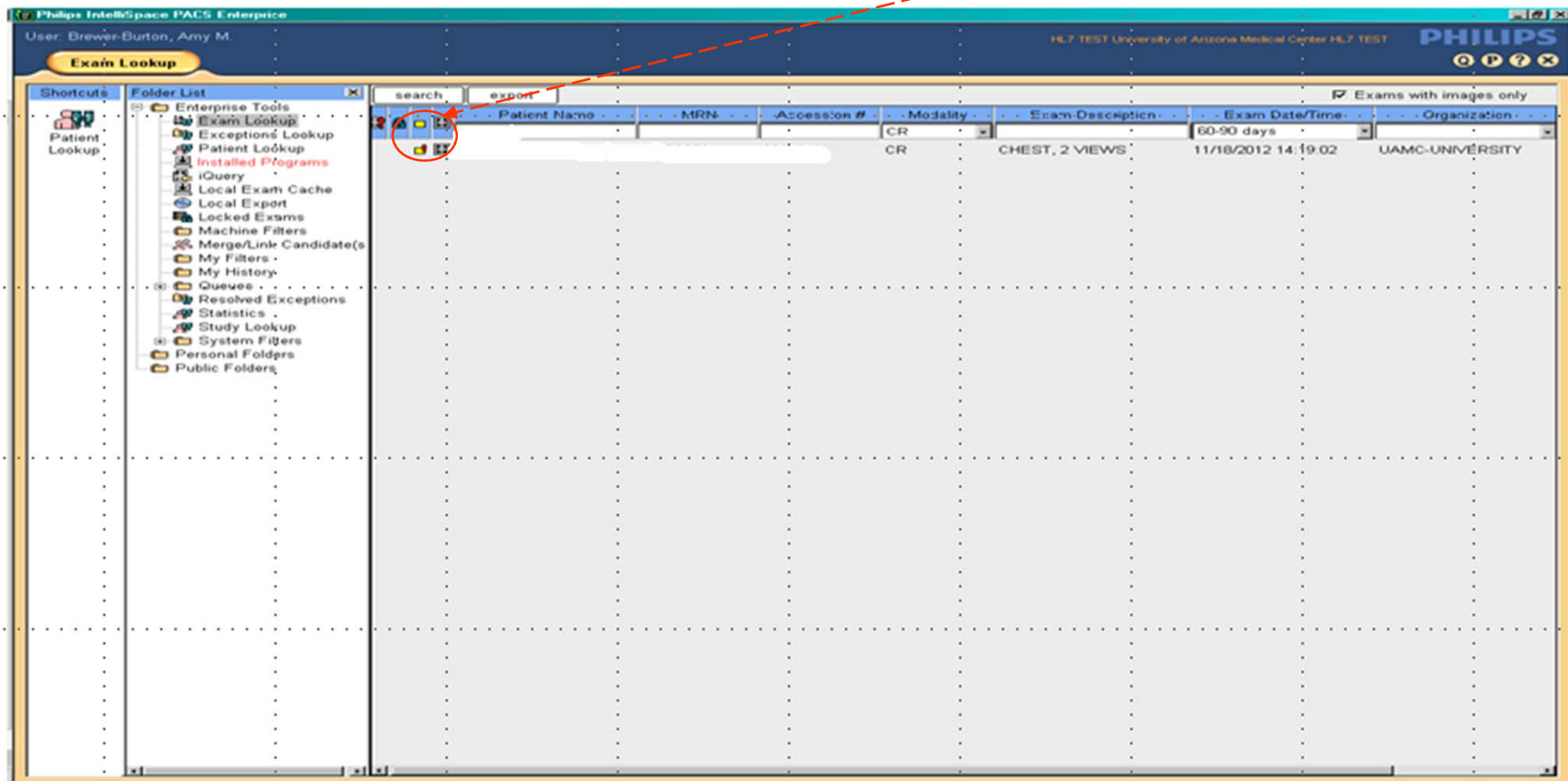
- **If you do not want to open the images and only want to view the note(s) available.**

- **Yellow square icon means a note is available to view.**

- **Highlight the exam right click and select View Exam Notes.**

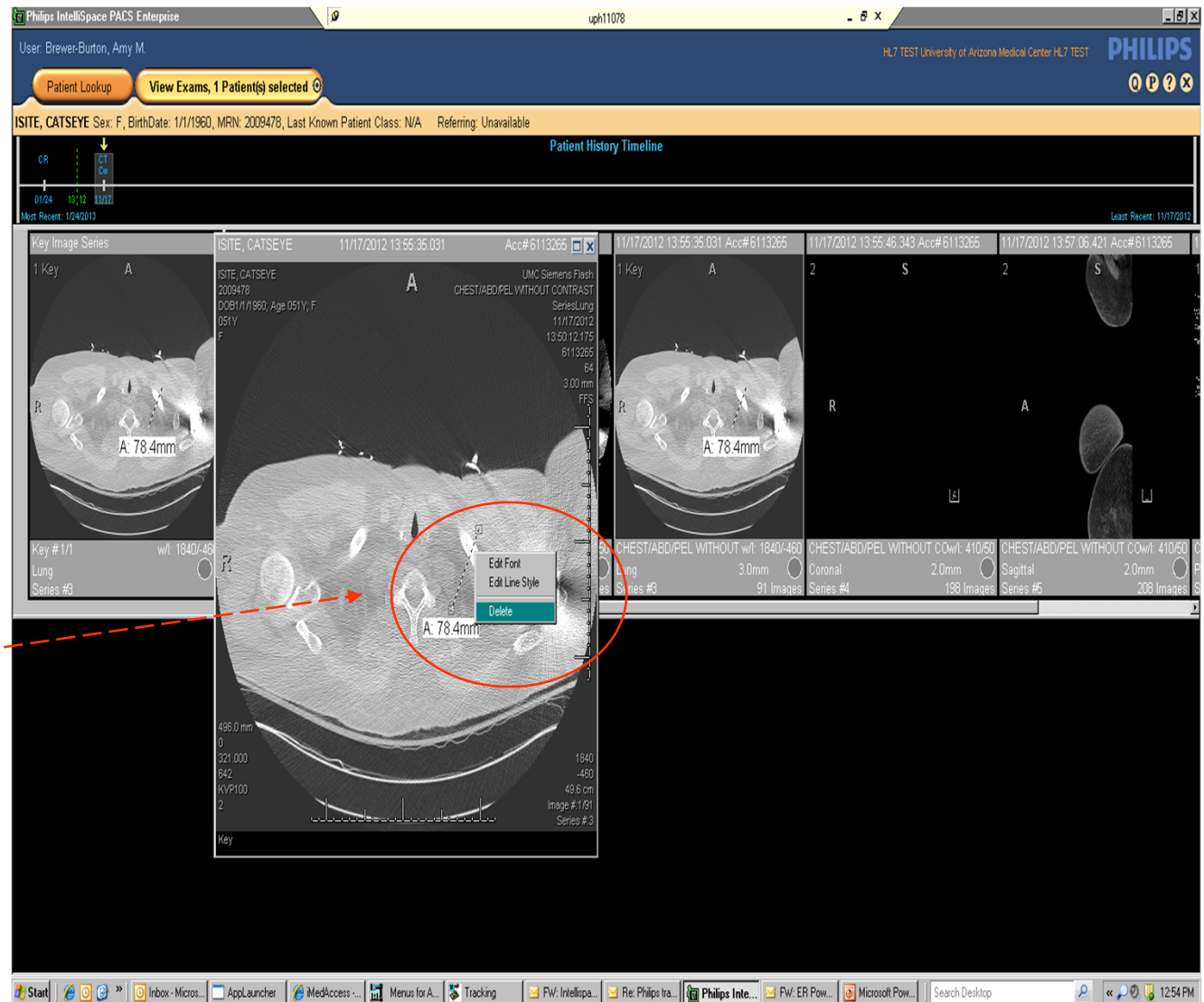- **Follow the prior instructions to add or view a note.**
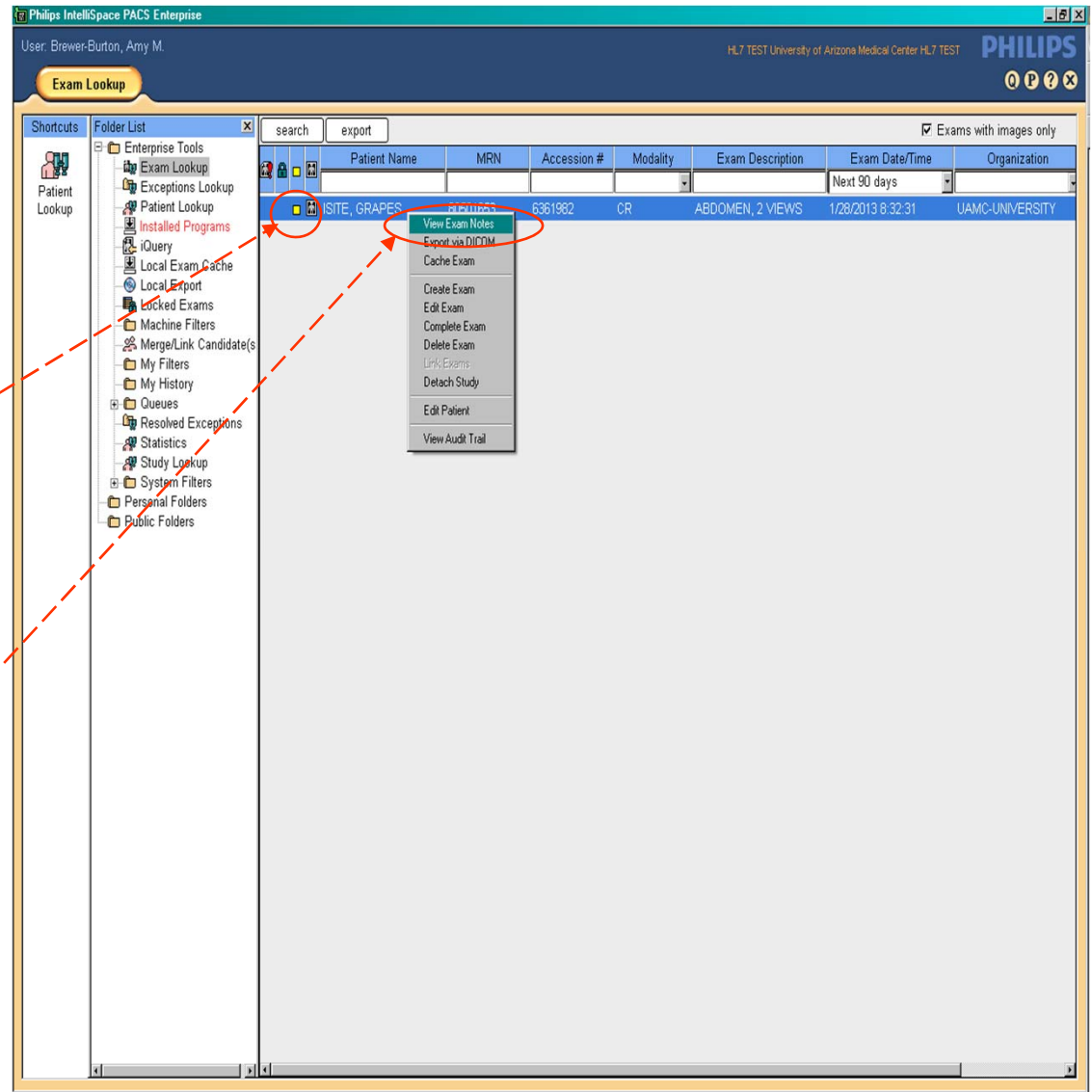
Measurements

- Double click the series of image(s) you are measuring or annotating for the best view.

- Right click and select Measurements or Annotations; then arrow over to your available options.
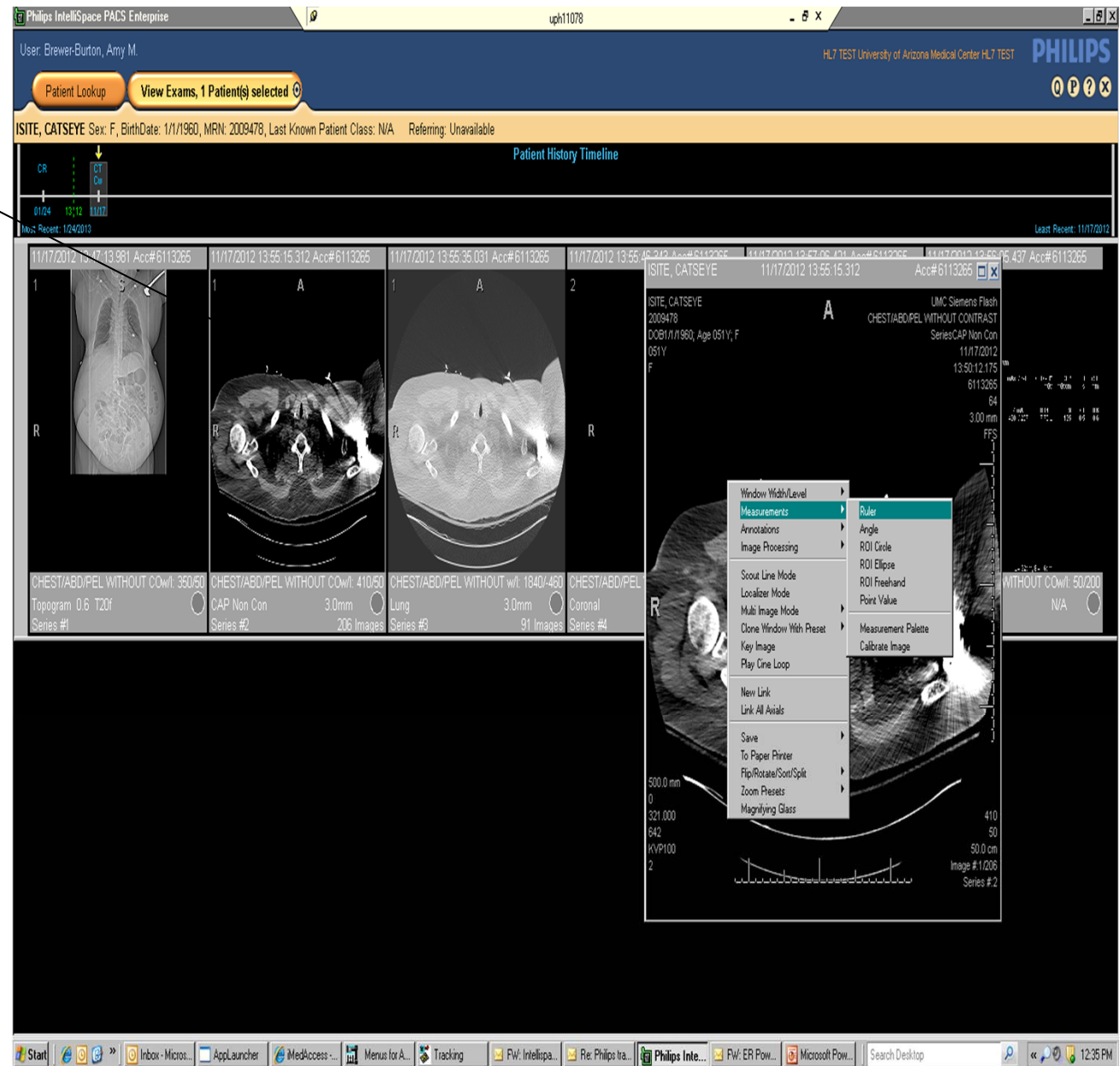
- A Key Image is created to view and will be presented as the first image when it is viewed again.

- Annotation or Measurement is available to view on the image.
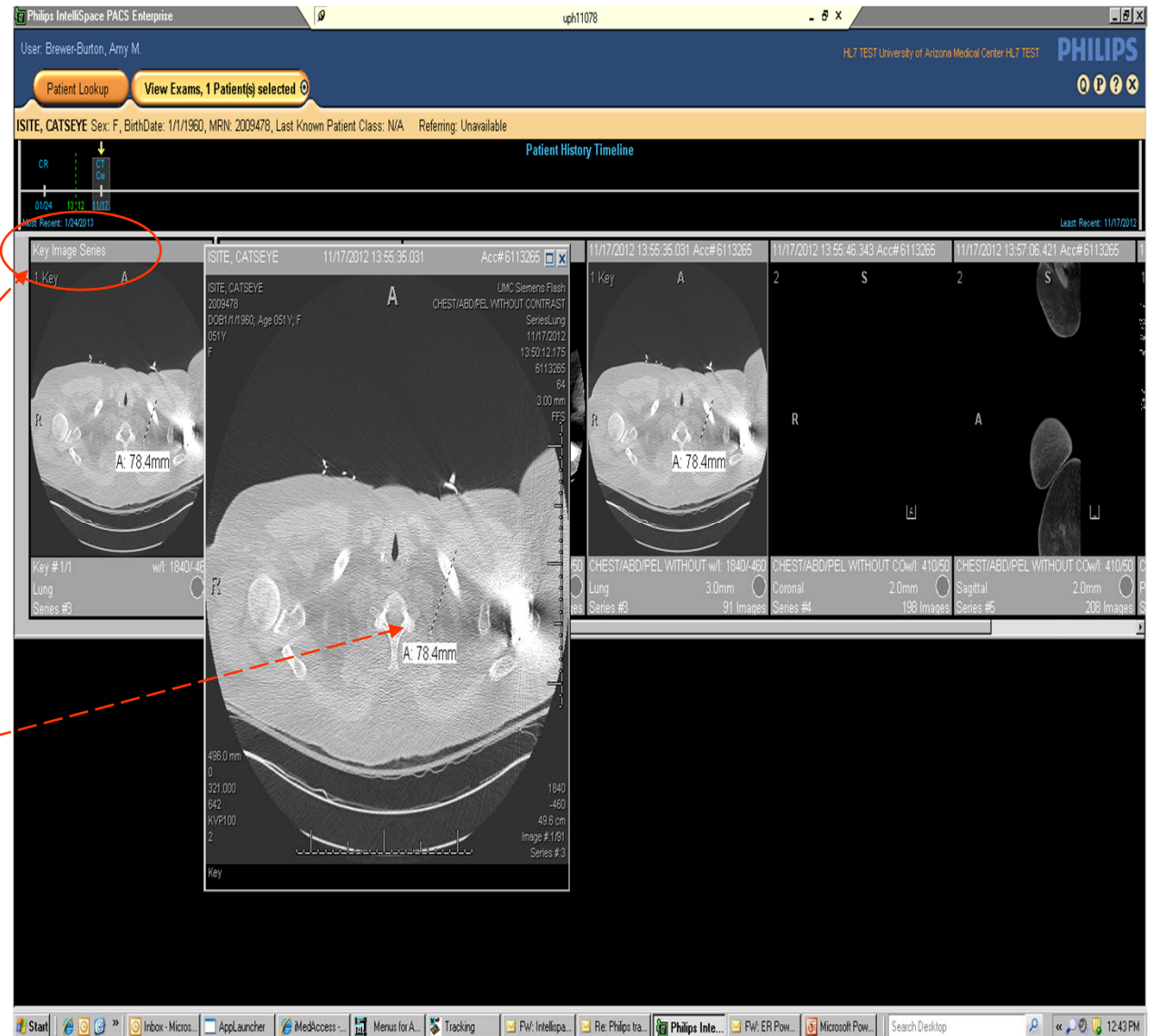
- Highlight your annotation or measurement and right click to see a menu to edit or delete any errors.

The End