iSite Enterprise

Radiology PACS

Objectives

- Login to iSite Enterprise

- Search for patients

- Select and view exams

- Manipulate the images

- Set up personal folders

iSite Enterprise

- Overview: Web-based medical image distribution system that delivers diagnostic-quality images to clinicians in the healthcare environment

- Used by: Referring Physicians, Surgeons and members of the patient care team
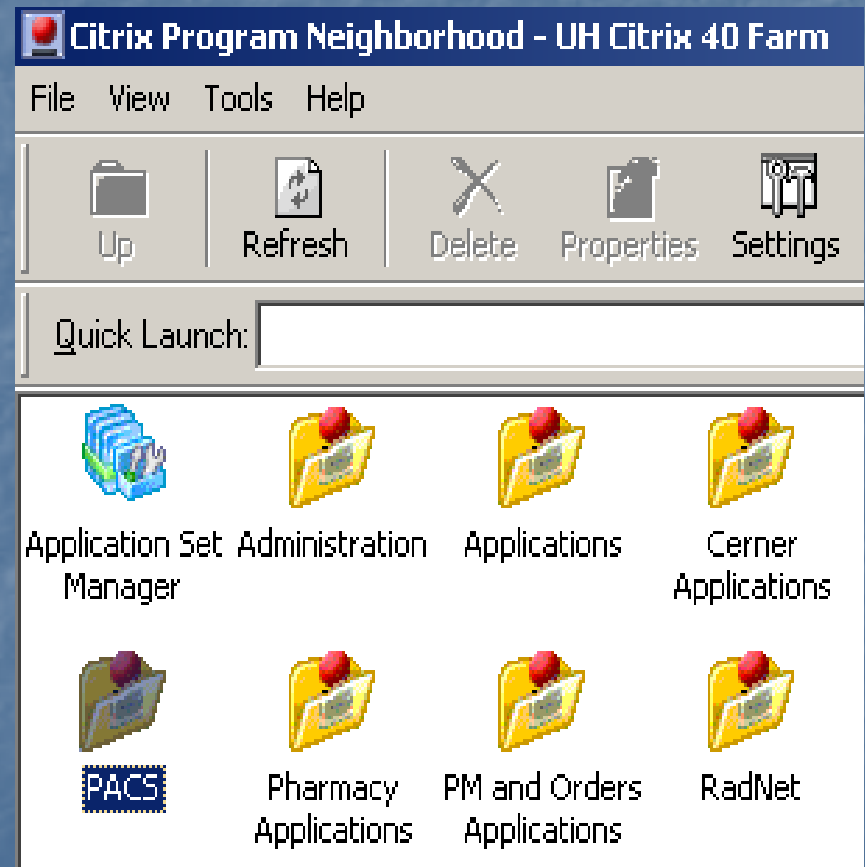
Logging in to iSite Enterprise

- Use your Novell login to access Citrix

Logging in to iSite Enterprise

- Select PACS from your available icons

Logging in to iSite Enterprise
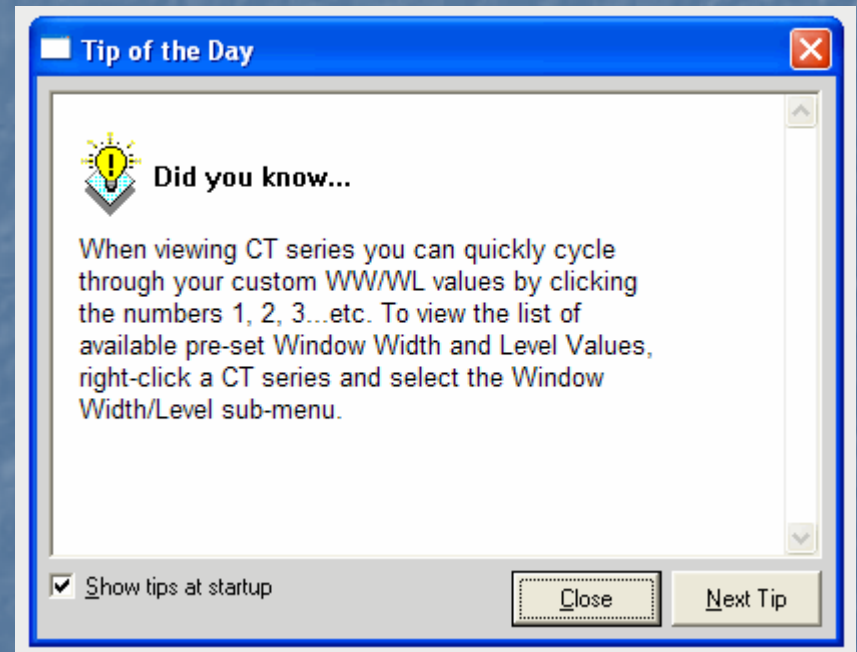

- Your username for PACS is your Novell username
- Access iSite PACS using your Novell username and password
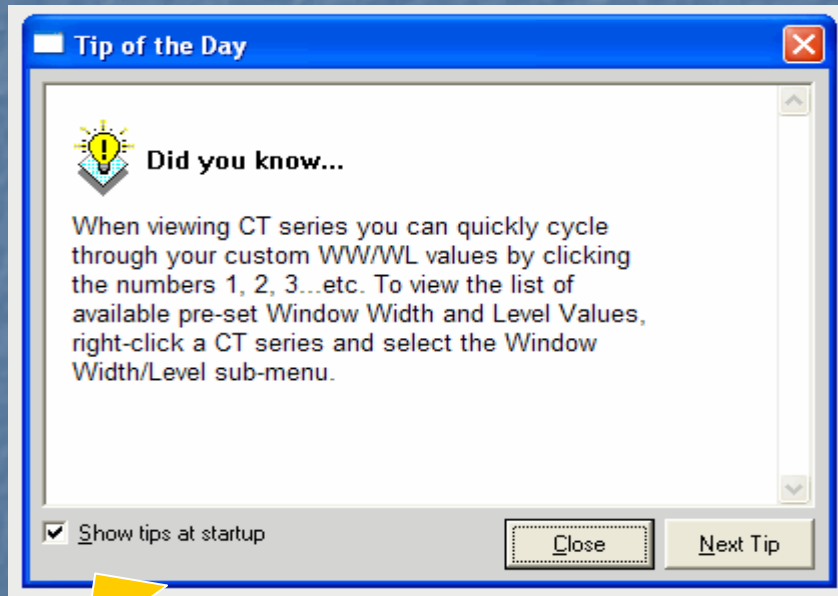- Select Active Directory from the "Log on to" drop down list
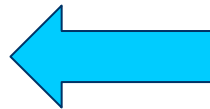
Logging in to iSite Enterprise

- After login you will see the Tip of the Day

- To see additional information, select Next Tip, or by pressing N on your keyboard

Logging in to iSite Enterprise

Tip of the Day

💡 **Did you know...**

When viewing CT series you can quickly cycle through your custom WW/WL values by clicking the numbers 1, 2, 3...etc. To view the list of available pre-set Window Width and Level Values, right-click a CT series and select the Window Width/Level sub-menu.

☑ Show tips at startup   Close   Next Tip

- Close the pop up by selecting Close, or pressing the letter C
- To disable this pop-up, uncheck the box at the bottom of the dialog box

Screen Overview

■ After closing the Tip of the Day you will see the iSite Enterprise Start-Up Window

Patient Search Options

Logout

Shortcuts Bar

Folders List

User Preferences

iSite Manual

User: Gordon, Hillary					TEST SERVER	PHILIPS
Patient Directory						P ? X

Shortcuts	Folder List ☒	Close All	Patient Name	MRN	▼ Exam Date	Patient Location
	⊟ 📁 iSite Tools	+ Query			▼	▼
📊	⊞ 📁 Installed Programs					
Patient Directory	📇 iQuery					
	📁 My Filters					
	📁 My History					
	📰 Patient Directory					
	📁 Personal Folders					

Screen Overview

Shortcuts Bar: Customizable lists to frequently accessed folders, exams and filters

Shortcuts Bar

Screen Overview

Folders List: List of all the folders, filters and tools in iSite Enterprise

Folders List

Screen Overview

Patient Directory: Patient, exam search engine and sort function

Patient Search Options

Screen Overview

Preferences: User, System and Machine Preference dialog boxes

User Preferences

Screen Overview

Help: iSite Enterprise's user manual

iSite Manual

Screen Overview

Logout Button: Exit application and return to login window

Logout

User: Gordon, Hillary   TEST SERVER   **PHILIPS**

Patient Directory   P ? X

Shortcuts	Folder List ☒	Close All	Patient Name	MRN ▼	Exam Date	Patient Location
	⊟ 📁 iSite Tools	+ Query			▼	▼
🗒️	⊞ 📁 Installed Programs					
Patient Directory	📇 iQuery					
	📁 My Filters					
	📁 My History					
	🗒️ Patient Directory					
	📁 Personal Folders					

Patient Search Options

- **Default Query**
  - **Patient Name**
  - **MRN**
  - **Exam Date** *(free text or drop down, date format is M/D/YYYY)*
  - **Patient Location**

Patient Search Options

- Additional search criteria can be found with a left-click on the "+" next to the word Query

Patient Search Options

- Expanded search options include;
  - Accession
  - Modality
  - Referring Physician
  - Organization will always be UNM HSC

Patient Search
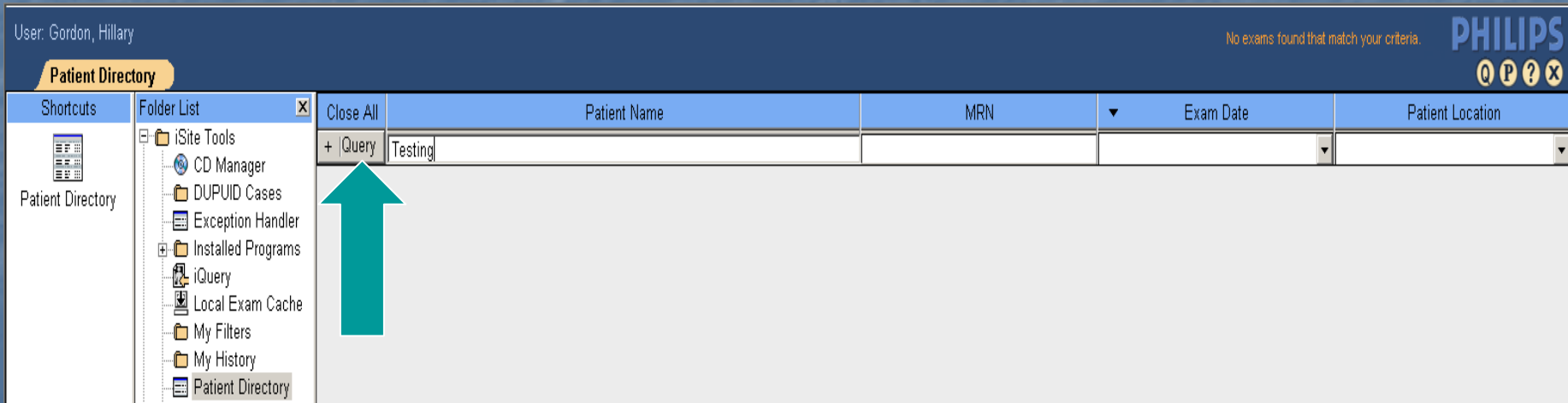
■ Enter patient information and left-click the Query button

Patient Search

- List populates with all patients matching your search criteria
- This will show you the patient jacket
- Left-click the (+) to open the patient jacket

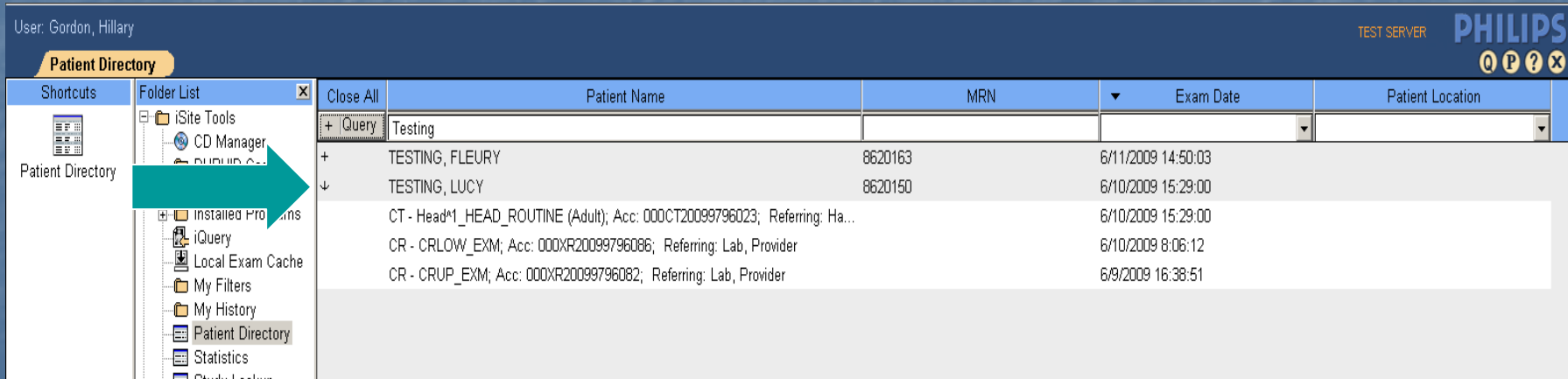# Patient Search

- After the left-click the (+) to open the patient jacket, the (+) becomes an arrow listing all your patient studies
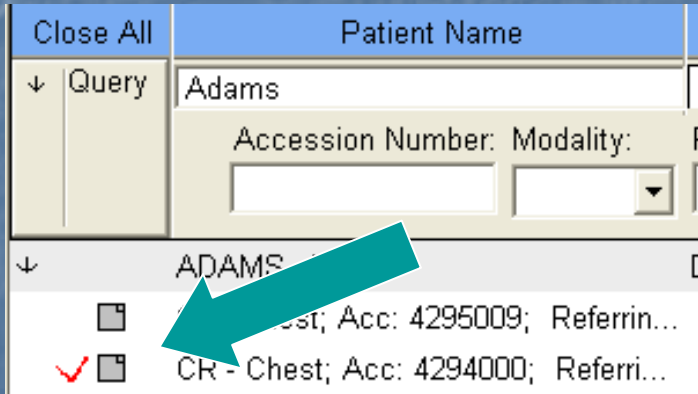
Patient Search

- Within the patient jacket, exam status symbols may be located to the left of the exam details

✔	Marked Read
▢	Report available
🔒	Locked exam
!	Exception

Patient Search

- Double left-click on any study to view patients images and reports
- This will take you to the Exam Canvas Page

Exam Canvas Page

Exam Canvas Overview

Current Exams Opened

Close exam and return to directory

Patient Demographics

Patient Timeline
(History and Navigation Menu)

Exam Notes

Shelf Bar

User: Gordon, Hillary

Patient Directory

View Exams, 1 Patient(s) selected ⊚

TEST, BAILEY

Sex: F, BirthDate: 8/19/1989, MRN: 86601265

Patient History Timeline

CR HAND

CR CHES

01/08 09 08 12/14

Most Recent: 1/8/2009

1/8/2009 10:43 Acc#000XR20090074850

1001

L DH

Hand Bone Age - L Only   w/l: 4096/2048

Series #1001

Exam Canvas Overview

Current Exams Opened

• Displays total opened

Exam Canvas Overview

Patient Demographics

•Name
•Sex
•Birth Date
•MRN

Exam Canvas Overview

Patient Timeline

• Patient history and navigation menu displays all of the patient's studies in iSite

Exam Canvas Overview

Exam Notes

• Clip board will indicate when exam documentation is present

Exam Canvas Overview

Shelf Bar

• Exam specific menu and information

Exam Canvas Overview

Close exam and return to directory

Patient Exams

- Hovering over a study in the history timeline will display further details on the exam

Patient Exams

- The exam rack or shelf bar shows image and series details

Patient Exams

- First View is the thumbnail view

Patient Exams
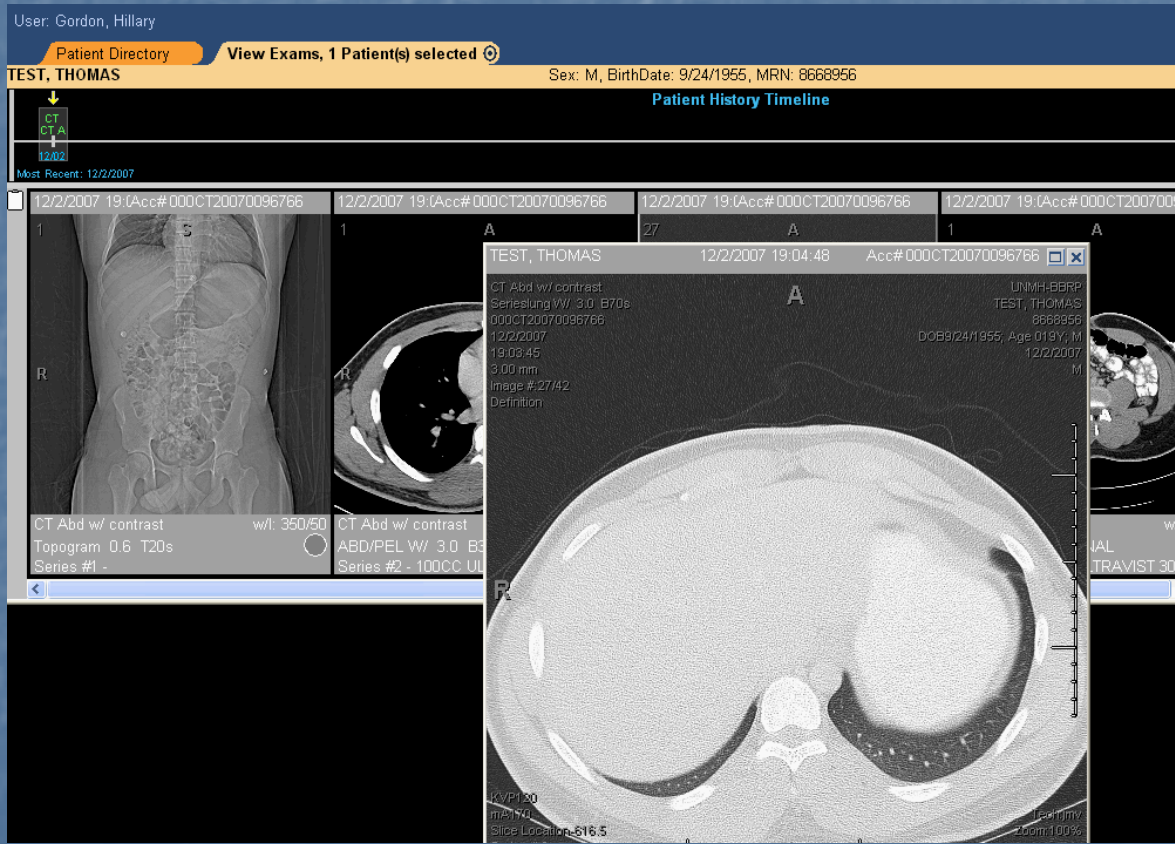
- Double left-click on the thumbnails to expand the image view

Patient Exams

- With the curser over the image you can scroll through CT, MRI and Ultrasound series

Patient Exams

- To move between X-Ray images use the F8 and F9 keys

Patient Exams – Screen Overlay
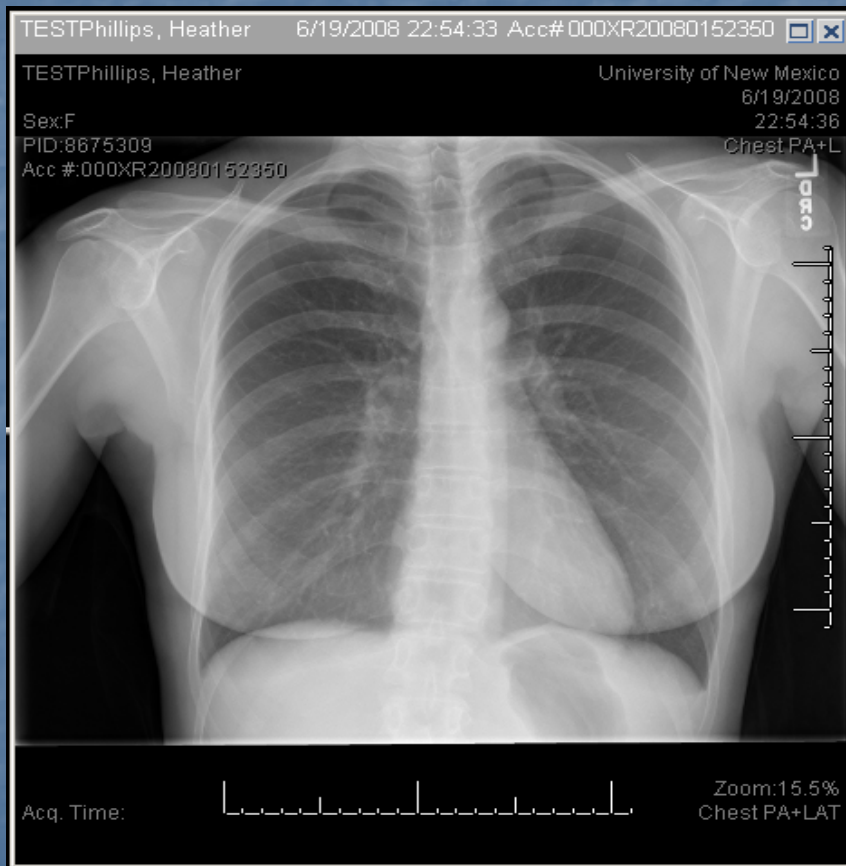
- Screen Overlays provide patient and exam information
- Different screen overlays are set for each modality type
- F6 key toggles screen overlay on/off

Patient Exams – Screen Overlay

TESTPhillips, Heather   6/19/2008 22:54:33 Acc#000XR20080152350
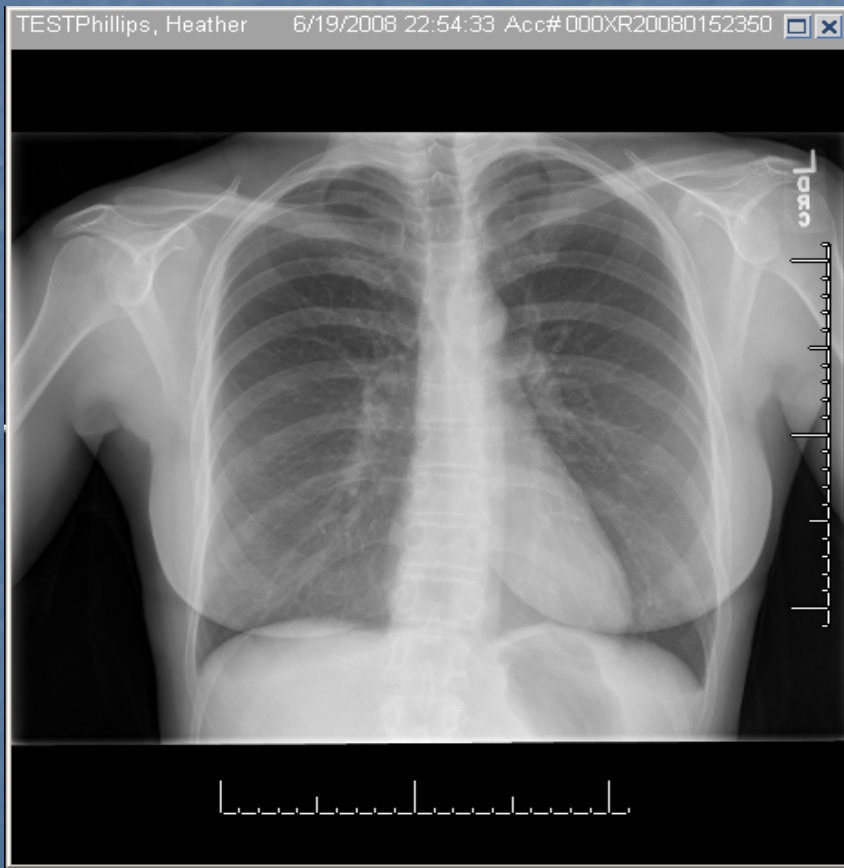
- F6 key toggles screen overlay on/off
- Here is an image with the overlay turned off

Patient Exams – Exam Rack

- **Exam Rack: The set of images in a study**

- **Navigating through stacked series**
  1. Mouse wheel
  2. Select "C" on keyboard for loop
  3. Right – click for context menu
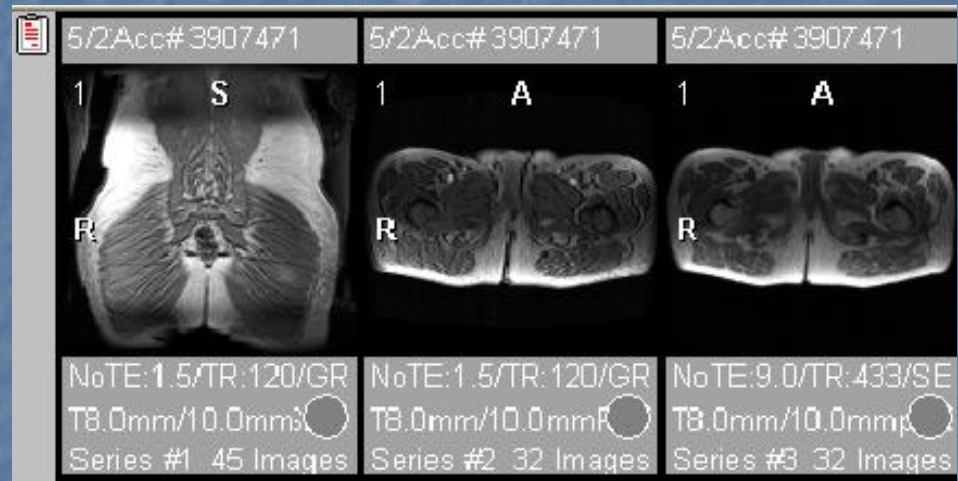
Patient Exams - Context Menu

Single Image Menu

- Window Width/Level ▶
- Measurements ▶
- Annotations ▶
- Image Processing ▶
- Scout Line Mode
- Localizer Mode
- Create Popup
- Key Image

Series Image Menu

- Window Width/Level ▶
- Measurements ▶
- Annotations ▶
- Image Processing ▶
- Scout Line Mode
- Localizer Mode
- Create Popup
- Clone Window With Preset ▶
- Key Image
- Play Cine Loop
- New Link
- Link All Axials
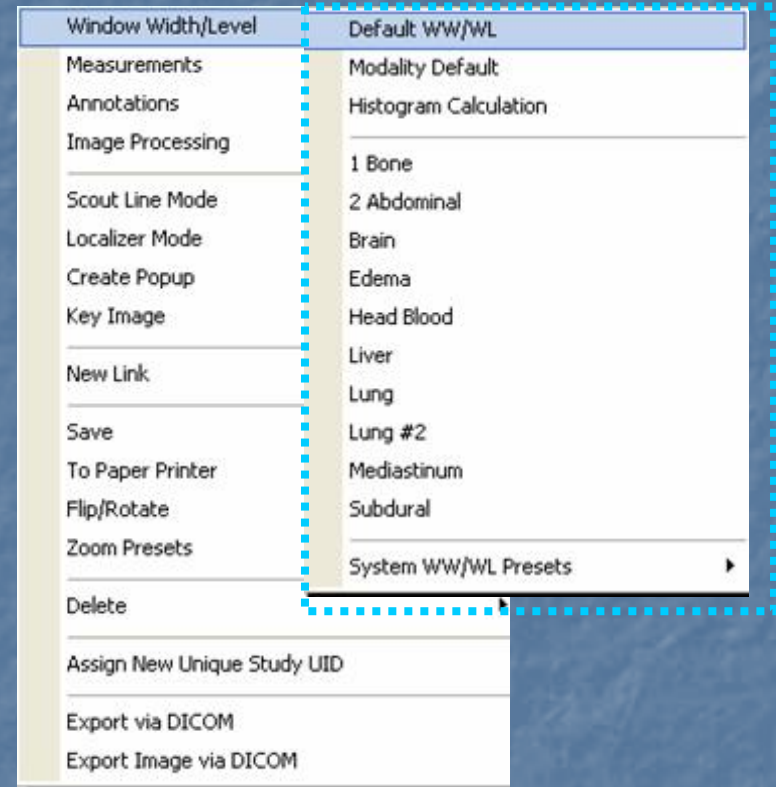
Right-click on image for context-menu

Patient Exams - Window Width/ Level

Options for changing Window Width and Levels

- With the mouse, hold down left button, move mouse horizontally and vertically
- Right – click to open image context menu

Window Width/Level	Default WW/WL
Measurements	Modality Default
Annotations	Histogram Calculation
Image Processing	
	1 Bone
Scout Line Mode	2 Abdominal
Localizer Mode	Brain
Create Popup	Edema
Key Image	Head Blood
	Liver
New Link	Lung
	Lung #2
Save	Mediastinum
To Paper Printer	Subdural
Flip/Rotate	
Zoom Presets	System WW/WL Presets ▶
Delete	
Assign New Unique Study UID	
Export via DICOM	
Export Image via DICOM	

Patient Exams - Window Width/ Level

WW/WL menu

- **Default WWL:** Applies iSite WWL values
- **Modality default:** Applies modality WWL values
- **Histogram Calculation:** Uses histogram calculation to set WWL

Patient Exams - Measurement

- Tools to measure specific areas of an image
- Measurement menu:
  - Ruler: Linear measurements (pixel or mm)
  - Angle: Degree measurement for specified region
  - Region of Interest (ROI): Average data value for a circular region of an image
  - Freehand ROI: Similar to ROI but allows free-hand selection of ROI
  - Point Value: The value of data points at a specific point on the image pixel
  - Measurement Palette: Floating measurement palette
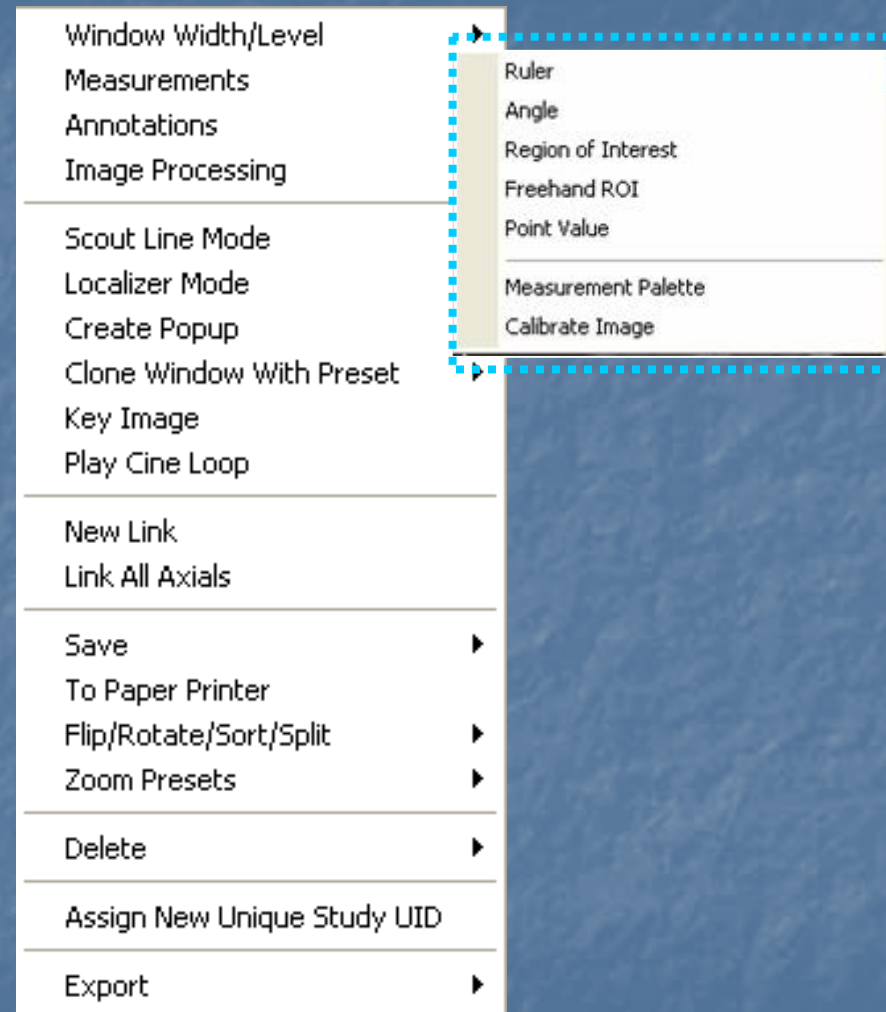
Patient Exams - Annotation

- Annotations are user specific, they will not effect the patient record
- You may add symbols and text to an image
- Annotation sub-menu:
  - Line
  - Arrow
  - Triangle
  - Circle
  - Text
  - Freehand
  - Spine Labeling: Sagittal/Lateral Images

Window Width/Level		Line
Measurements		Arrow
Annotations		Triangle
Image Processing		Circle
		Text
VOI LUT Options		Freehand
		Spine Labeling
Create Popup		CHF
Clone		COPD
Key Image		Do Not Read - Images to be Deleted
		Fracture
New Link		Marker
		Mass
Save		Negative
To Paper Printer		Pneumothorax
Flip/Rotate		
Zoom Presets		
Delete	▶	
Assign New Unique Study UID		
Export via DICOM		
Export Image via DICOM		

Patient Exams

- Left-click additional exams on patient timeline to open more studies

Patient Exams

- Number of open exams will show on Control Strip

Right-click to navigate between exams

Patient Exams

- The patient history timeline shows exams in different stages
- Symbols and colors indicate exam status

Patient Exams

- All studies with an **X** have no associated images
- A red X indicates missing images
- A green X indicates a cancelled exam

Patient Exams

- Studies with **I** on the time line have images

- Green lettering indicates no report

- Blue lettering indicates a report is available

Patient Exams

An additional documentation indicator is located at the upper left of the thumb nail, a clip board will display three different ways
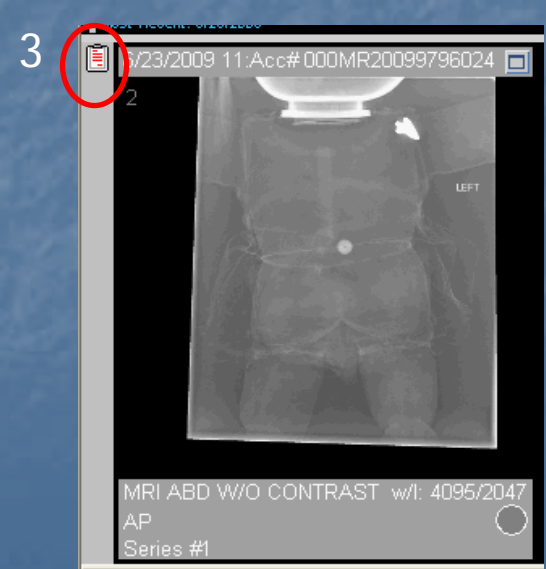
Patient Exams

Blank Clip board = No Documentation

Patient Exams

Clip board with a yellow note = A note has been posted with additional exam comments

Open document with a double left-click

Patient Exams

Clip board with
Red Lines = Final
or Prelim report
from Radiology

Open the
document with a
double left-click

Patient Exams

- If documentation is present, left-click on the clip board to display the file

Patient Exams

- Right-click on the shelf bar for additional options

Folders List

Folders List

- In the Folders List you may create a personal folder
- This folder is only seen by you
- It can be used for your own needs, for example, for rounds

Folder List
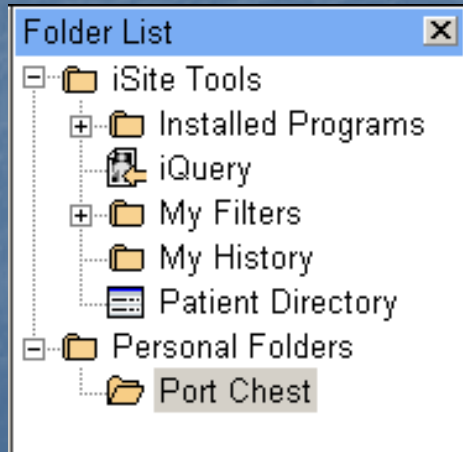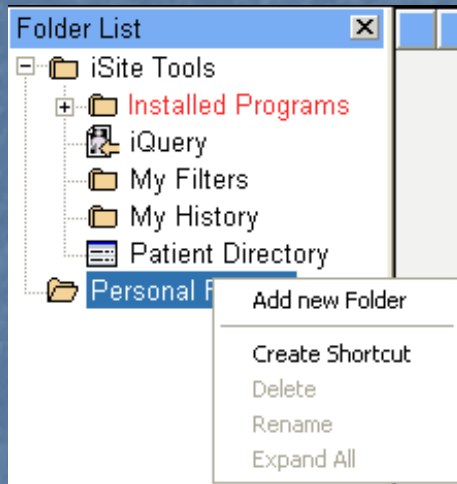
- To create a folder, right – click on Personal Folders
- Choose Add new Folder

- Name folder, for example, Port Chest

Folder List

- To use your folder, go back to the patient directory
- Locate patient and desired exam
- Drag and drop the exam into the folder

Folder List

- Open to review items you put in your folder
- You may also set you entire folder to Anonymous with a right – click to your folder

Folder List

- The Anonymous folder turns blue and the patient data is replaced by iSite generated info
- Warning: Ultrasound and other modalities that have patient data embedded on the image will not change, only the iSite patient date will be anonymized

Folder List

- To return your folder to it's original state, right – click and uncheck Anonymous

Folder List

- You can review each study you viewed in the "My History" folder
- History cannot be deleted by the user

| Folder List ✕ |
|---|
| ⊟ 📁 iSite Tools |
| ⊞ 📁 Installed Programs |
| 📱 iQuery |
| 📁 My Filters |
| 📂 My History |
| 🖼 Patient Directory |
| 📁 Personal Folders |

Patient Name	MRN	Exam Code	Exam Description	Exam Date/Time	Modality	Body Part	Accession #
TESTING, FLEURY	8620163	CT Abdomen	CT Abdomen w/o contr...	2/2/2009 13:01:39	CT	CT ABDO...	000CT200...
TESTSeay, Linda	8610224	No Descrip	No Descriptions	6/15/2009 7:24:28	CR	STNDCMTK	4A364B8C...
TESTFred, Barbara	8610223	Voiding Ur	Voiding Urethrocystogr...	6/16/2009 15:16:39	CR	VOIDING UR	000RF200...
TEST, THOMAS	8668956	CT Abd w/	CT Abd w/ contrast	12/2/2007 19:00:37	CT	CT ABD W_	000CT200...
TEST, THOMAS	8668956	CT Abd w/	CT Abd w/ contrast	12/2/2007 19:00:37	CT	CT ABD W_	000CT200...
TEST, MADISON...	8620111	Shoulder 2	Shoulder 2 Views - L	12/3/2008 12:34:30	CR	SHOULDE...	000XR200...
TEST, TESSIE	8667845	Chest PA+L	Chest PA+LAT	1/3/2008 13:15:25	CR	CHEST P...	000XR200...
TESTiSITE, JANE	8620443	Chest 1 Vi	Chest 1 View	12/19/2007 7:40:59	CR	CHEST 1 VI	000XR200...
TEST, THOMAS	8668956	CT Abd w/	CT Abd w/ contrast	12/2/2007 19:00:37	CT	CT ABD W_	000CT200...
TEST, THOMAS	8668956	CT Abd w/	CT Abd w/ contrast	12/2/2007 19:00:37	CT	CT ABD W_	000CT200...
TEST, BAILEY	86601265	Hand Bone	Hand Bone Age - L Only	1/8/2009 10:43:29	CR	HAND BO...	000XR200...
TEST, BAILEY	86601265	Hand Bone	Hand Bone Age - L Only	1/8/2009 10:43:29	CR	HAND BO...	000XR200...
TESTING, FLEURY	8620163	CRLOW_...	CRLOW_EXM	6/11/2009 14:50:03	CR	LOW_EXM	000XR200...
TESTCERTFSI, ...	8620043	Wrist 3 Vi	Wrist 3 Views - R	7/15/2008 22:25:36	CR	WRIST 3 VI	000XR200...
TESTiSITE, JANE	8620443	Chest 1 Vi	Chest 1 View	12/19/2007 7:40:59	CR	CHEST 1 VI	000XR200...

Additional Icons

- In the upper right corner are three additional Icons
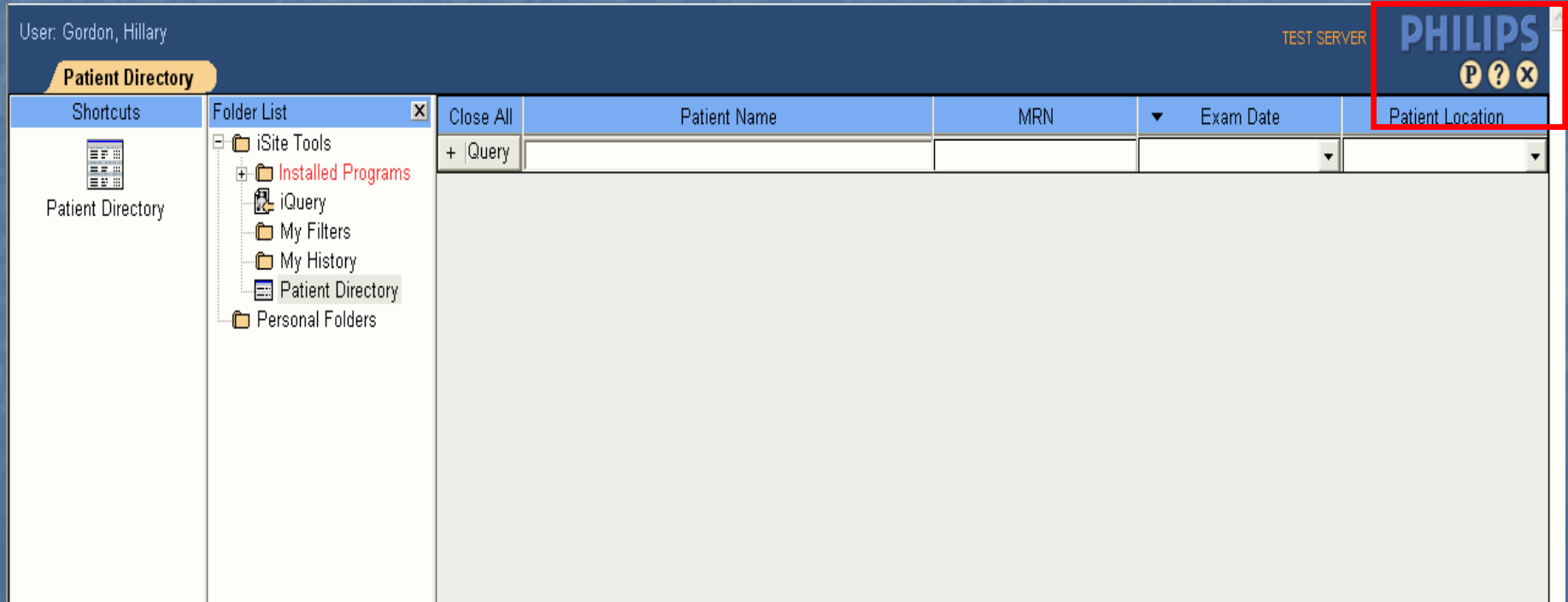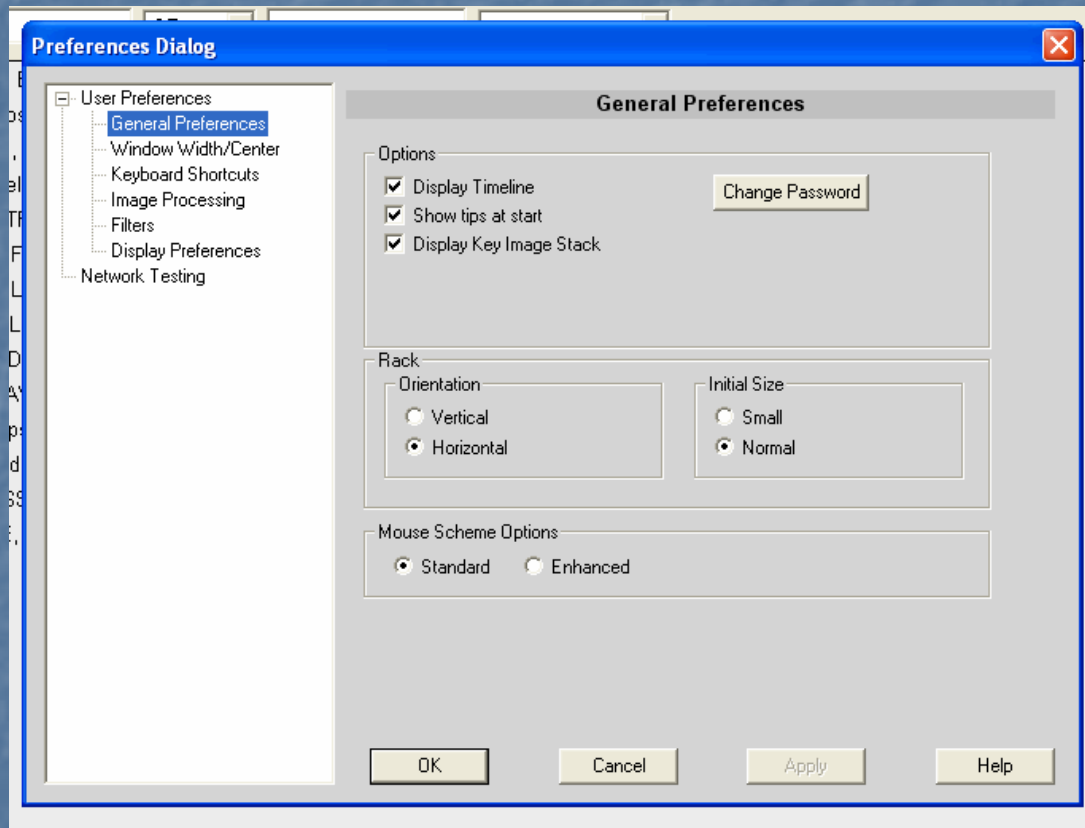
Additional Icons

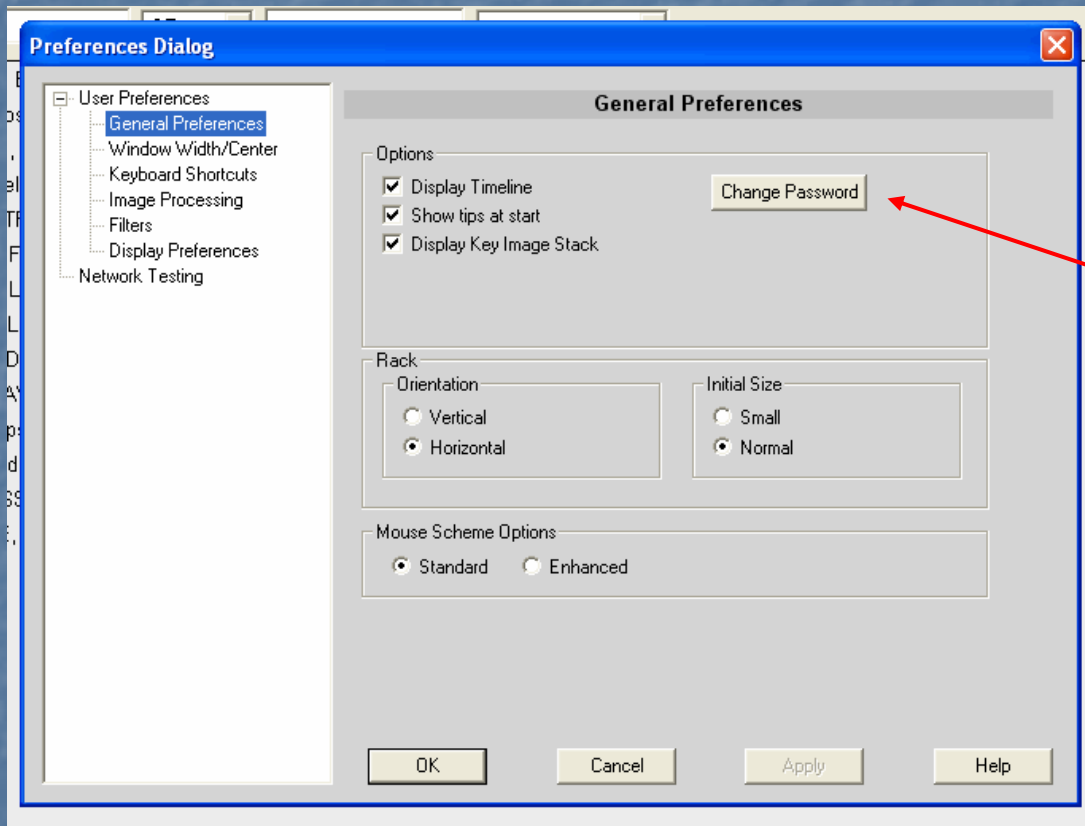**User Preferences**   **Philips iSite Manual/Help**   **Logout**

*(to insure a proper logout use the **X**)*
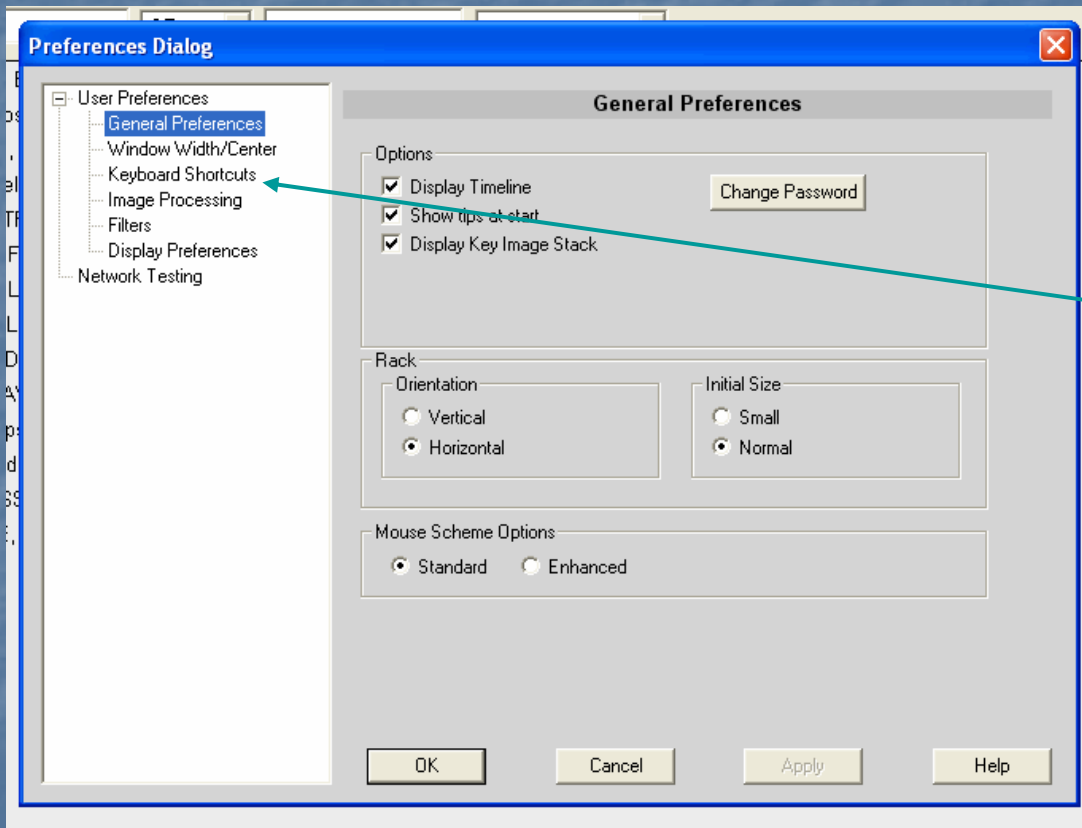
User Preferences

- Users have several options in the Preferences section

- Default settings are in place, please review your options in this section
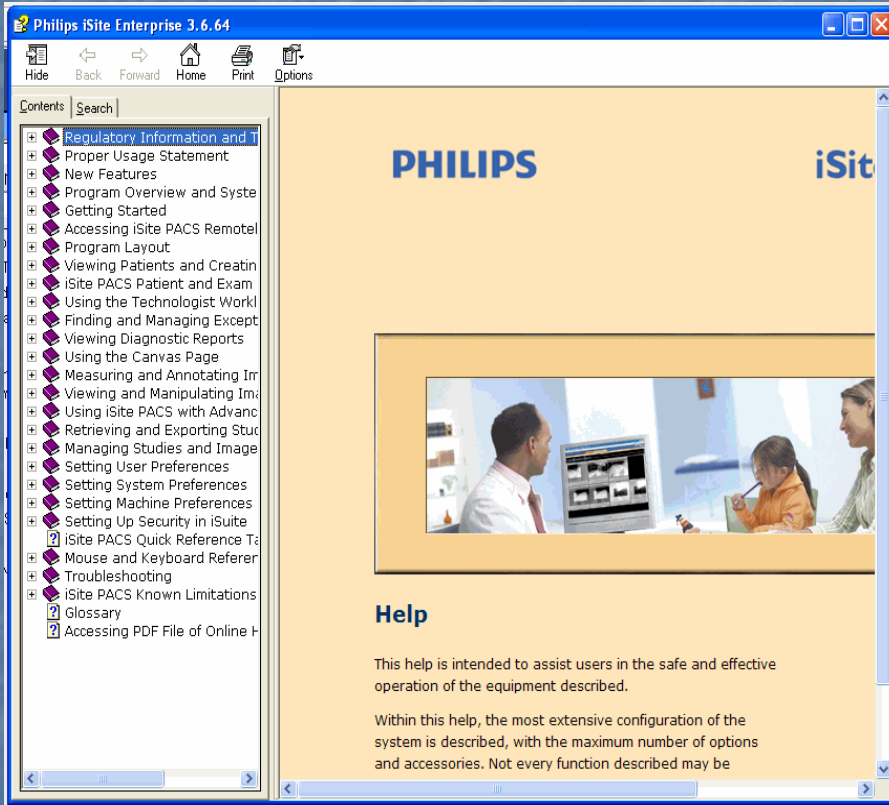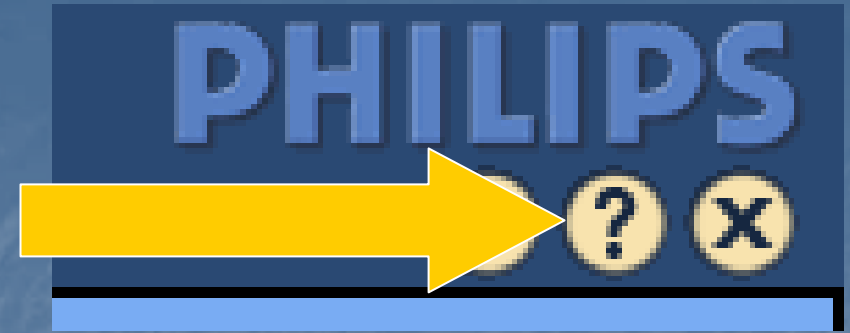
User Preferences

- Do not use the Change Password option – your password is your Novell password which would be changed using the standard password change web site

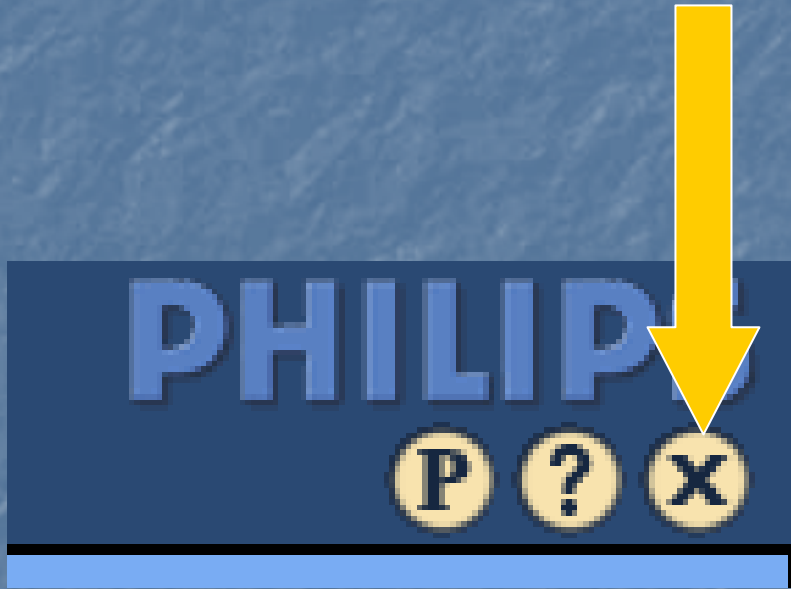# User Preferences

- Keyboard shortcuts can be reviewed

iSite Help

■ Here you can find useful information on how the system functions

Please note, not all functions discussed in this manual are items implemented buy the University of New Mexico Hospital Radiology Department

iSite Log out

- Use the "X" to logout from iSite will prevent locked images and or sessions

Would you like more?

- If you would like additional information on features and settings within iSite, please sign up for the PACS iSite class offered through CLT