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

- 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

Shortcuts Bar  Folders List  Patient Search Options  User Preferences  Logout
Screen Overview

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

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

![Folders List]

User: Gordon, Hillary

Patient Directory

<table>
<thead>
<tr>
<th>Shortcuts</th>
<th>Folder List</th>
<th>Close All</th>
<th>Patient Name</th>
<th>MRN</th>
<th>Exam Date</th>
<th>Patient Location</th>
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<td>iSite Tools</td>
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![Table Display]
Screen Overview

Patient Directory: Patient, exam search engine and sort function

Patient Search Options
Screen Overview

Preferences: User, System and Machine Preference dialog boxes
Screen Overview

Help: iSite Enterprise's user manual

iSite Manual
Screen Overview

Logout Button: Exit application and return to login window

User: Gordon, Hillary

Folder List
- iSite Tools
- Installed Programs
- 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
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
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.

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<tr>
<th>Close All</th>
<th>Patient Name</th>
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<td>Accession Number: Modality:</td>
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<td>ADAMS</td>
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<th>Marked Read</th>
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<td>Report available</td>
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<tr>
<td>Locked exam</td>
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<td>Exception</td>
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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 Overview

Current Exams Opened

Patient Demographics

Patient Timeline
(History and Navigation Menu)

Exam Notes

Shelf Bar

Close exam and return to directory
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 cursor 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

- 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

Right-click on image for context-menu

Single Image Menu
- Window Width/Level
- Measurements
- Annotations
- Image Processing

Series Image Menu
- Window Width/Level
- Measurements
- Annotations
- Image Processing
  - Scout Line Mode
  - Localizer Mode
  - Create Popup
  - Key Image
  - New Link
  - Link All Axials
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
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
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 an I on the timeline 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 clipboard to display the file.
Patient Exams

- Right-click on the shelf bar for additional options
- 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
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 your 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 data will be anonymized.
Folder List

- To return your folder to its original state, right-click and uncheck Anonymous.
You can review each study you viewed in the “My History” folder.

History cannot be deleted by the user.
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 by 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.