iSite PACS 3.6:
iSite Radiology Overview
Learning Objectives

• Understand the major differences between iSite Enterprise and iSite Radiology applications

• Be able to install and configure iSite Radiology

• Be able to navigate through images in an exam using the diagnostic monitors (navigational rectangles)

• Be able to create Conference Presentation States

• Understand Worklist Filter configurations
iSite Radiology

- **iSite Radiology** is a client-based application that supports the following:
  - Radiologists Operating Panel (ROP)
    - Separates navigation and diagnostic presentation
    - Supports color modalities
    - Eliminates tools and menus on diagnostic screens
    - Allows for fast protocol / image rearrangement via navigational rectangles
    - Customizes and saves Hanging Protocols for individual users
iSite Radiology

- Optional: 1, 2, or 4 *Diagnostic Monitors* (2, 3, or 5 megapixel)
- *Mark Read* function
- Allows exams to fall off the active reading worklist
- *DICOM Printing*
- Application Programming Interface (API)
  - Allows third-party solutions to integrate with iSite PACS (Dictation, 3D applications)
- Cross-Application Compatibility with iSite Radiology
- Conference Presentation States for reviewing, Resident Workflow, presentations
iSite Radiology

Installation:

1. Go to client machine and open Internet Explorer

2. Type the Philips iSite server IP Address in the Address bar as follows: “xxx.xxx.xxx.xxx/isiteradiology.msi”

3. Double click on the iSiteRadiology.Msi installer

4. After the application is installed, edit the isite.ini file to point to your server IP
1. On iSiteRadiology workstation in Windows Explorer, navigate to C:\Program Files\Philips\iSiteRadiology

2. Edit the ‘iSite-default.ini’ IP Address to match the IP Address of the Philips iSite server at your facility

3. Select “Save as” to save the ‘iSite-default.ini’ as ‘iSite.ini’
Logging In

1. Launch from the desktop.

2. Each authorized user will have their own username and password (same as the one for iSite Enterprise)

![iSiteRadiology.exe.in](image-url)
Canvas Page Preferences

- Patient Comments
- Patient History
- Study Comments
- Reason for Study
- Impressions (parsed from report messages)
- Clinical Information Source for Comment and History is selected by accessing System Preferences
Exam Navigation

Philips iSite Radiology

User: Admin, Stertor

Patient Directory

View Exams, 1 Exam(s) Selected


Patient Comments: N/A, History: N/A, Study comments: N/A

Relevant Exams

Patient History Tim

CR: No Descriptions
Referring: TAKEGOSHI, Provider
Status: FINAL

Impression: Text of impression
Here. Thank you for this referral.
INTERPRETING PHYSICIAN: DOCTOR,

general PA, general LAT, C1 general LAT

Shelf Bar

Navigational Rectangles
Exam Navigation

Right-click on monitor icon to change the configuration.
Exam Navigation Continued

Select and drag series to change the order they appear on the monitors.
Exam Navigation

Main Exam is displayed on the Left Monitor

Prior Relevant Exam is displayed on the Right Monitor
Workbook Review

- Open an exam in iSite Radiology
- Manipulate images and monitor configurations
- Follow the directions in the Workbook
- Fifteen minutes
Conference Presentation State

- Multiple presentation states are created together to make a Conference Presentation State
- Scroll through the Presentation States when reviewing/presenting an exam (Tumor Board, Resident Workflow, etc.)
- Icon is displayed on Shelf Bar and Folder Exam List
Conference Presentation State

- Create Conference Presentation States by adding, inserting, and deleting pages
- Modify monitor configuration and Image manipulation (processing, measurements, annotations, etc.)
- Up to 20 Presentation States can make up one Conference Presentation State
Conference Presentation State

- Conference Presentation States are saved as System Defaults or in Public Folders

- System Default Conference Presentation States are saved within the patient’s study

- Conference Presentation States saved within folders are saved within the folder and are only available for viewing from the folder

- Zoom and Pan are not saved within Conference Presentation States
Conference Presentation State

1. “Mark Read” Presentation State: Radiologist uses the “Mark Read” button (ability to save presentation state upon “Mark Read” is a User Preference)

2. “Conference” Presentation State: Multiple presentation states created within iSite Radiology for reviewing (System Default Only)

3. “Pre-Read” Presentation State: Radiologist to save image presentation modifications so that it can be read later

4. “Technologist” Presentation State: Prior to the radiologist viewing and interpreting the exam

5. “Original DICOM” Image Presentation: No Presentation States have been defined for this exam.

6. “User” Presentation State: Does not take precedence over other users or the original DICOM presentation
iSite Radiology

Workbook Review

• Create Conference Presentation State
• Follow the directions in the Workbook
• Fifteen minutes
Reading Worklists

- iSite Radiology Worklists enable the user to filter the Patient Directory based on specific parameters.

- If one of the worklist parameters is “Unread Only”, then those exams will automatically fall off the worklist as they are “Marked Read” by the Radiologist.

- The next exam on the Worklist will automatically open if the User Preference is activated.
Automatically Open Next Exam

- Automatically open next unread exam from active filter after marking read
- Show tips at startup
- Display Navigation Rectangle Splitting
- Hide Navigation Hotkey Icon in Thumbnail Window
- Show Measurements Palette
- Display Key Image Stock
- Automatically Display Exam Notes for unread exams
- Axial/Oblique CT: Anatomical right on left side of image window.
- Open user's most recent presentation state
- Automatically save presentation state after marked read
Worklist Filters

- My Filters:
  - Created by the user
  - Available to that user for iSite Radiology as well as iSite Enterprise

- System Filters:
  - Available to all users
Filters

- Select the “P” for Preferences
- Select User Preferences
- Filters
- Add
Filters

- This screen allows the user to generate a filter

- Users are not required to fill in all the fields because the default for an empty field is **all**

- When you have finished making changes, click **Apply** and then **OK** to save and exit the Dialog box
Filters

- Example:
  - “CARDIAC” subspecialty (as defined in the Exam Dictionary)
  - Unread
  - Last 24 Hours
  - All Exam Statuses
Filters

- Example 2:
  - “CR” and “DX” (DR) images for patients in
  - “Critical Care” Units
  - For Body Part “Chest”
  - “Stat” priority
  - Today
  - “Unread Only”
  - “Completed” Exam Status
Selecting a Filter for Viewing
Customizing Filter Views

• Columns may be hidden
• Columns may be reordered from left to right
• Columns may be sorted
• Changes are retained for each filter and for each user
Customizing Filter Views

Right-click header bar for column list. Uncheck unneeded columns.
Customizing Filter Views

While using filters, exceptions will be listed in this area.
Filter Icons

- Indicates Marked Read
- Indicates Report available
- Indicates a user with Read privileges has the study open and controls the ability to read the study.
- Indicates STAT

These columns may be sorted as well
Filters may be saved as Shortcuts

Left-click and drag
iSite Radiology

Workbook Review

• Create a Reading Worklist Filter

• Follow the directions in the Workbook

• Fifteen minutes