

**PHILIPS**

**PHILIPS**

sense **and** simplicity

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

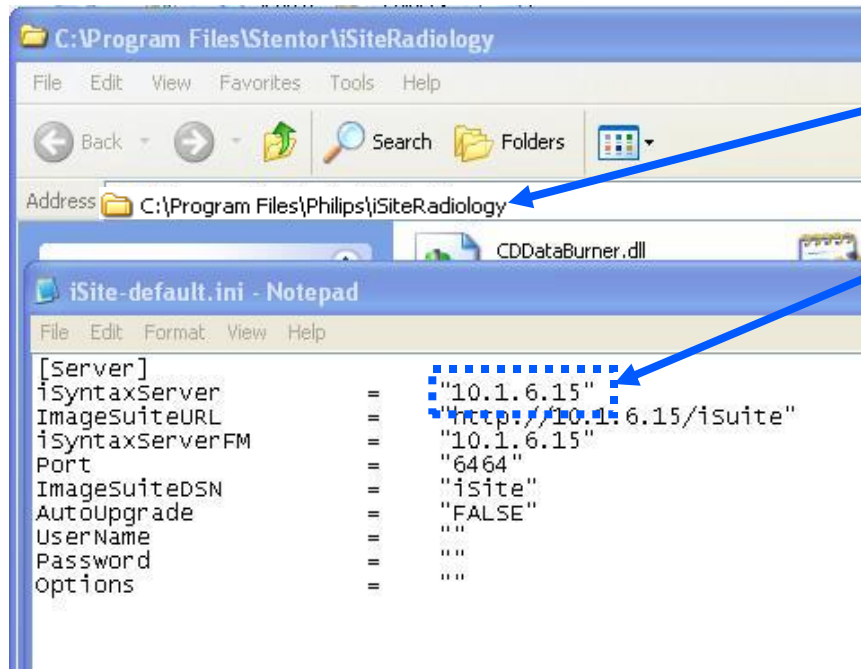


# iSite Radiology

## 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

## iSite Radiology



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.lnk

This is an example of a warning message

# PHILIPS

Welcome to the Philips iSite Online Training Server!

### iSite Radiology

Logon

User Name

Password

Logon to

Log In Using Emergency Access Server

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# Exam Navigation

Patient Information Tab

Diagnostic Monitors

The screenshot displays the Philips iSite Radiology interface. At the top, the user is identified as 'Admin, Stentor'. Below this, the 'Patient Directory' tab is active, showing 'View Exams, 1 Exam(s) Selected'. The patient information section identifies 'SEELS, ALBERTO, B' with details such as sex (M), D.O.B. (4/22/1926), PID (D8988), and procedure code (Chest). Below this, there are two 'Relevant Exams' timelines. The left timeline shows exams from 11/29 to 06/15, with the most recent being 11/29/2006. The right timeline shows exams from 11/29 to 12/13, with the most recent being 11/29/2006. In the center, there are two diagnostic monitors labeled '1' and '2'. Below the timelines, there is a section for 'Reason for Study and Impressions' containing text like 'CR; No Descriptions' and 'Impression: Text of impression here. Thank you for this referral.' To the right of this text are three chest X-ray images labeled 'general PA', 'general LAT', and 'C1 general LAT'. At the bottom right, there is a section for 'Exam History'.

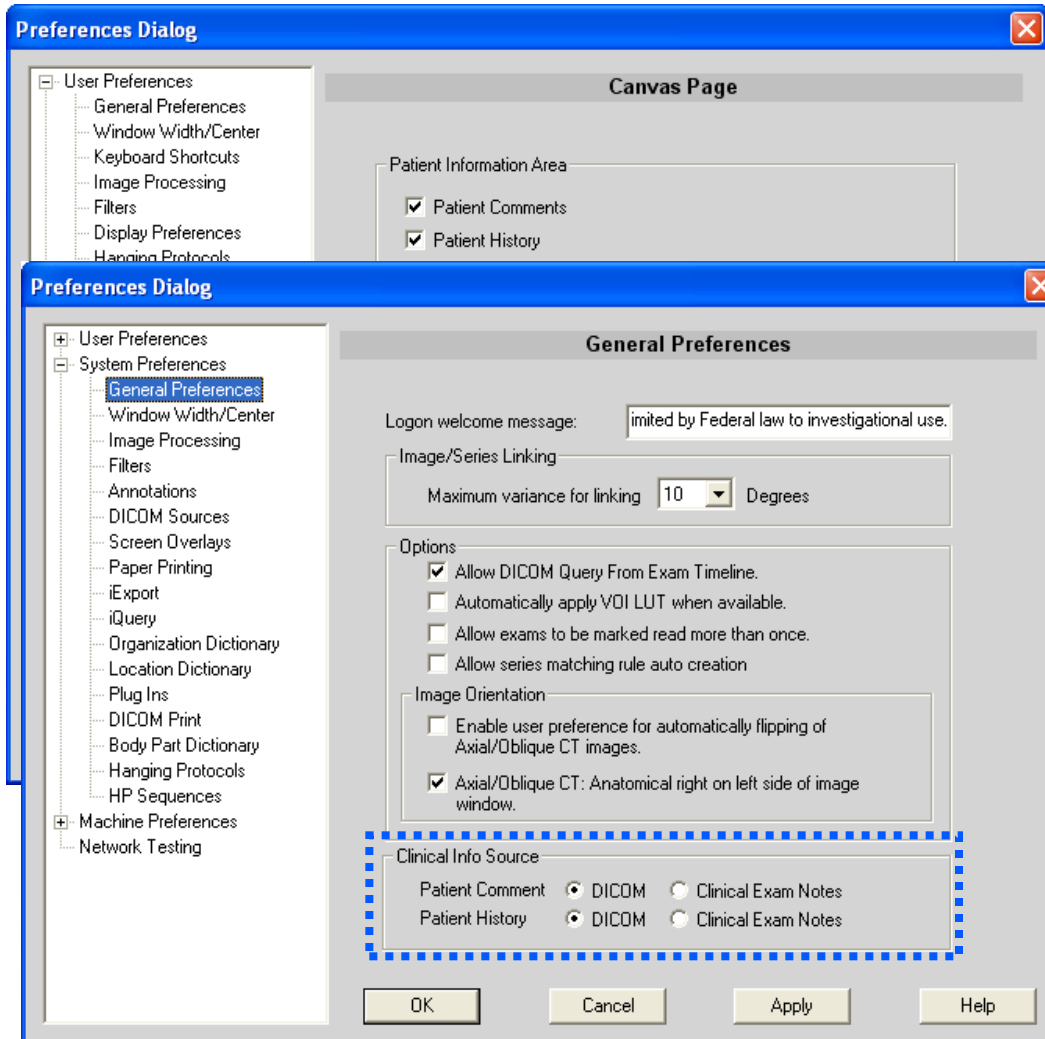
Reason for Study and Impressions

Relevant Exams

Exam History



# 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

The screenshot displays the Philips iSite Radiology interface. At the top, the user is identified as 'Admin, Stentor'. A navigation bar includes 'Patient Directory' and 'View Exams, 1 Exam(s) Selected'. Patient information for 'SEELS, ALBERTO, B' is shown, including sex, date of birth, PID, procedure code, and referring physician. Below this, two timelines are visible: 'Relevant Exams' and 'Patient History Timeline'. The 'Relevant Exams' timeline shows exams from 11/29 to 06/15, with the most recent on 11/29/2006. The 'Patient History Timeline' shows exams from 11/29 to 12/13, with the most recent on 11/29/2006. A 'Shelf Bar' on the left contains a list of exam details for the selected exam (11/6/2006, Acc#: 5112579). The main area displays three chest X-ray images: 'general PA', 'general LAT', and 'C1 general LAT'. Red and blue rectangular boxes are overlaid on the first two images, with blue arrows pointing to them from the labels 'Shelf Bar' and 'Navigational Rectangles' respectively.

Shelf Bar

Navigational Rectangles



# Exam Navigation Continued

The screenshot displays the Philips iSite Radiology interface. At the top, the user is identified as 'Admin, Stentor'. The main navigation bar includes 'Patient Directory' and 'View Exams, 1 Exam(s) Selected'. Patient information for 'SEELS, ALBERTO, B' is shown, including sex, date of birth, PID, procedure code, and referring physician. Below this, there are two timeline views: 'Relevant Exams' and 'Patient History Tim'. The 'Relevant Exams' timeline shows a series of exams from 11/29 to 06/15, with the most recent being 11/29/2006. The 'Patient History Tim' timeline shows exams from 11/29 to 12/13, with the most recent being 11/29/2006. A central area displays three chest X-ray series: 'general PA', 'general LAT', and 'C1 general LAT'. A blue arrow points from the 'general PA' label to the corresponding image. On the left, there is a text area with 'CR; No Descriptions' and 'Impression: Text of impression here. Thank you for this referral. INTERPRETING PHYSICIAN: DOCTOR,'.

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

# Exam Navigation

Philips iSite Radiology

User: Admin, Stentor

Patient Directory View Exams, 1 Exam(s) Selected

SEELS, ALBERTO, B : Sex: M, D.O.B: 4/22/1926, PID: D8988, Procedure Code: Chest, Referring Physician: TAKEGOSHI, Provider  
 Patient Comments: N/A; History: N/A; Study comments: N/A

**Relevant Exams**

CR CHES 11/29	CR CHES 11/06	CR CHES 08/17	06/05	CR CHES 09/22	CR CHES 06/15	1 2	CR CHES 11/29	CR CHES 11/06	CT CHES 10/20
Most Recent: 11/29/2006			Least Recent: 8/15/2005				Most Recent: 11/29/2006		

CR, No Descriptions  
 11/6/2006; Acc#: 5112579  
 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

CR, No Descriptions  
 8/17/2006; Acc#: 4912417  
 Referring: TAKEGOSHI, Provider  
 Status: FINAL

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

portable AP Horiz



Main Exam is displayed on the Left Monitor



Prior Relevant Exam is displayed on the Right Monitor

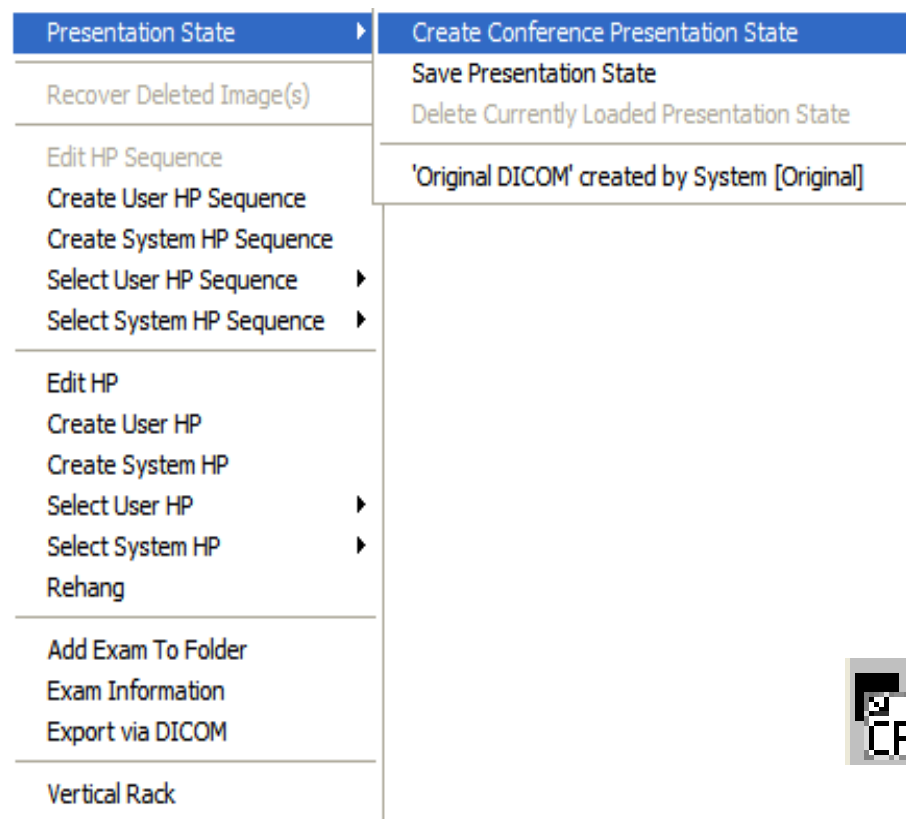
# iSite Radiology



## *Workbook Review*

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

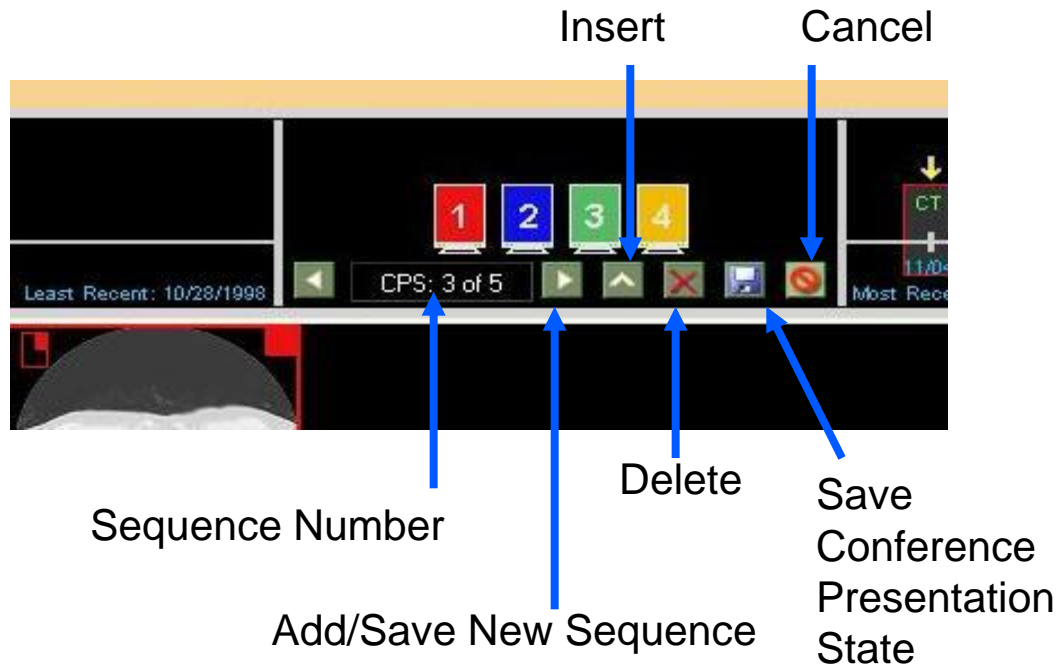
# Conference Presentation State



- 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



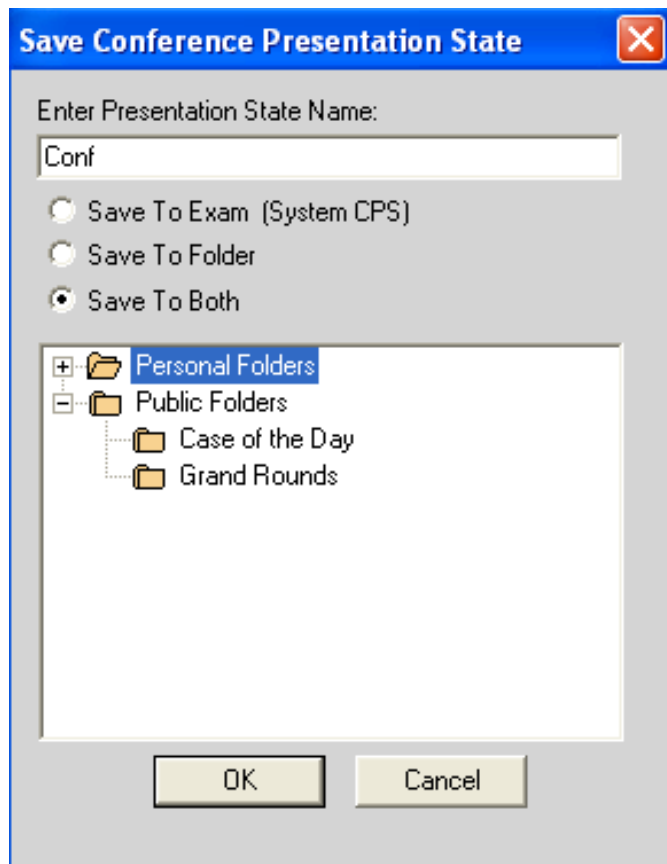
# Conference Presentation State



- 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



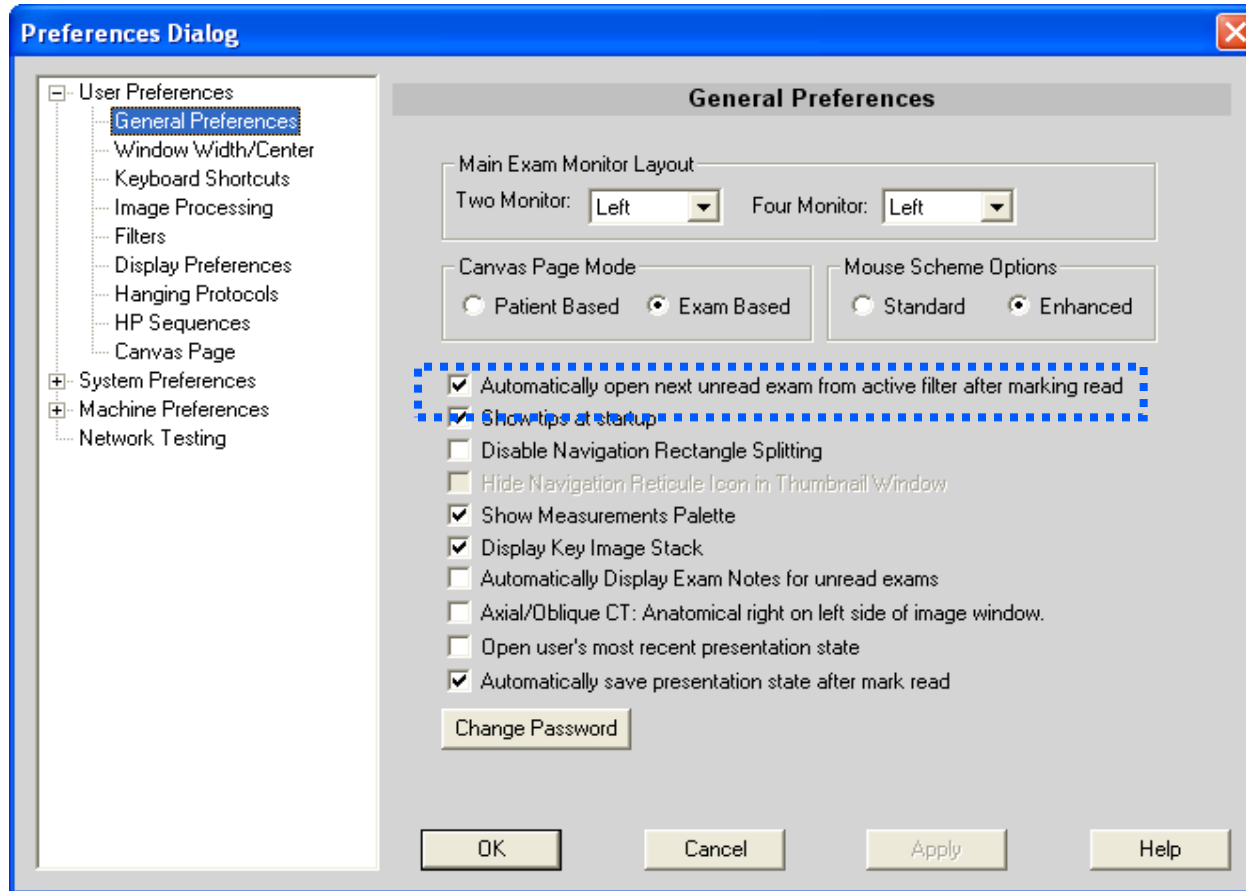
## *Workbook Review*

- Create Conference Presentation State
- Follow the directions in the Workbook
- Fifteen minutes

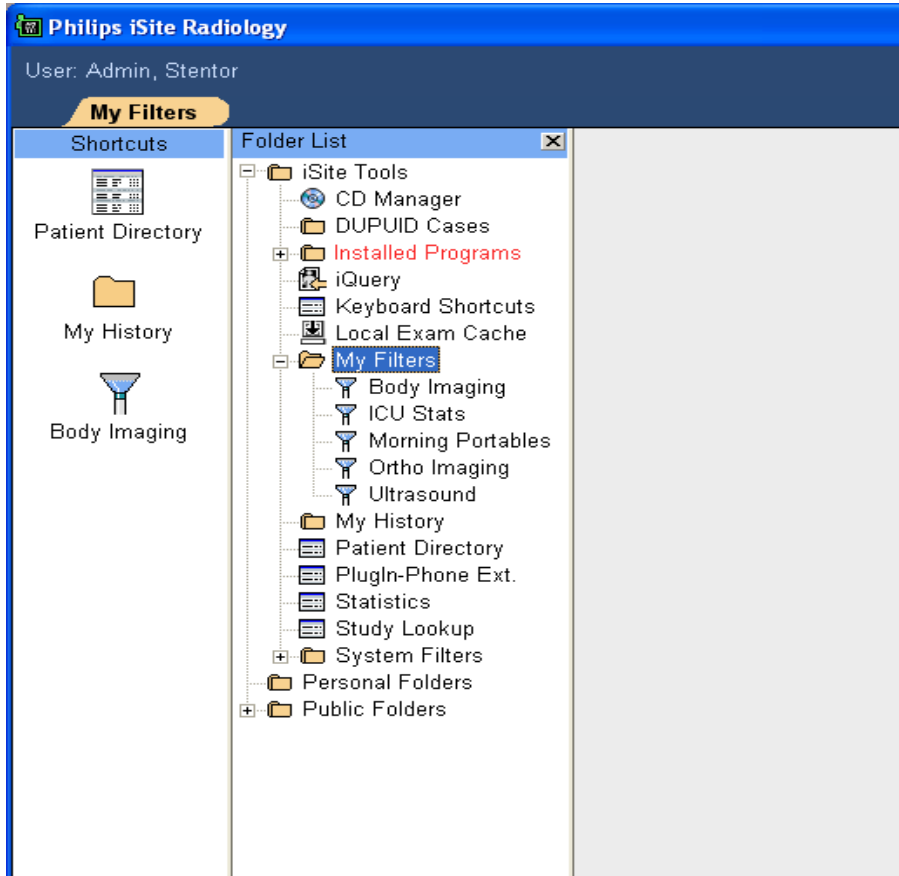
# Reading Worklists

- 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

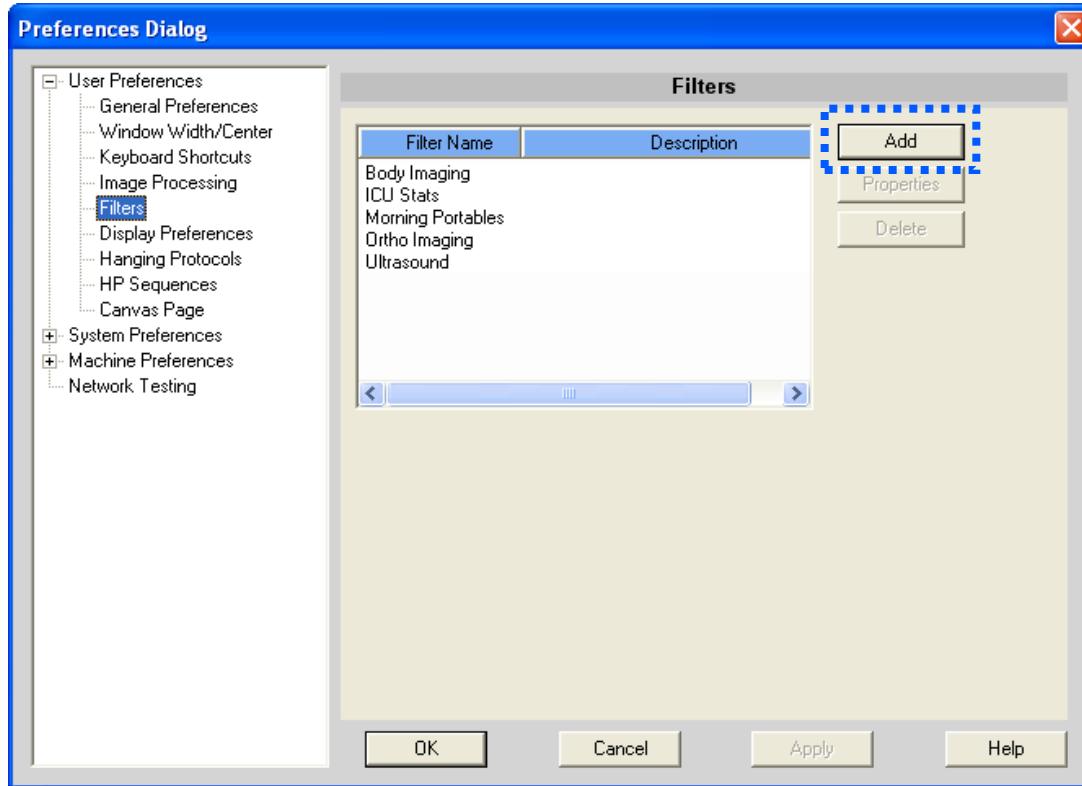


# Worklist Filters



- 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

**Add Filter**

Name:

Modality:

Patient Location:

Body Part:

Procedure Code:

Organization:

Sub Speciality:

Perf. Resource:

Description:

Ref. Phys. Name:

Type:  Must Have Images    Stats:

Unread Only

Date Period:  Today     Last 24 Hours     Last 3 Days  
 Last 7 Days     Last 30 Days     30-60 Days  
 60-90 Days

Exam Statuses:  InProg     Prelim     Dictated  
 Complete     Final     Nonreportable

Patient age:  From:  To:

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

# Filters

**Add Filter**

Name:

Modality:

Patient Location:

Body Part:

Procedure Code:

Organization:

Sub Speciality:

Perf. Resource:

Description:

Ref. Phys. Name:

Type:  Must Have Images    Stats:    
 Unread Only

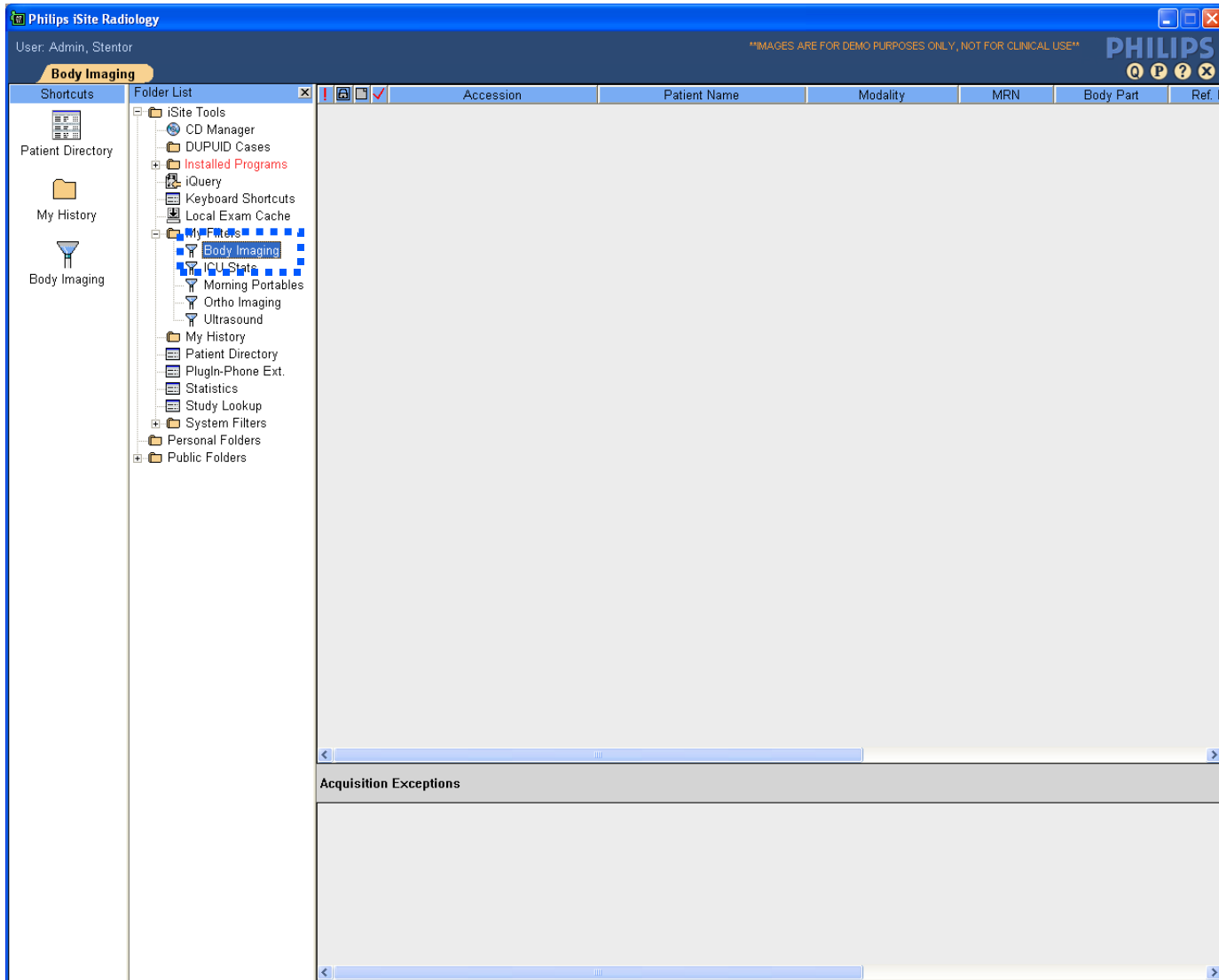
Date Period:  Today     Last 24 Hours     Last 3 Days  
 Last 7 Days     Last 30 Days     30-60 Days  
 60-90 Days

Exam Statuses:  InProg     Prelim     Dictated  
 Complete     Final     Nonreportable

Patient age:  From:  To:

- 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

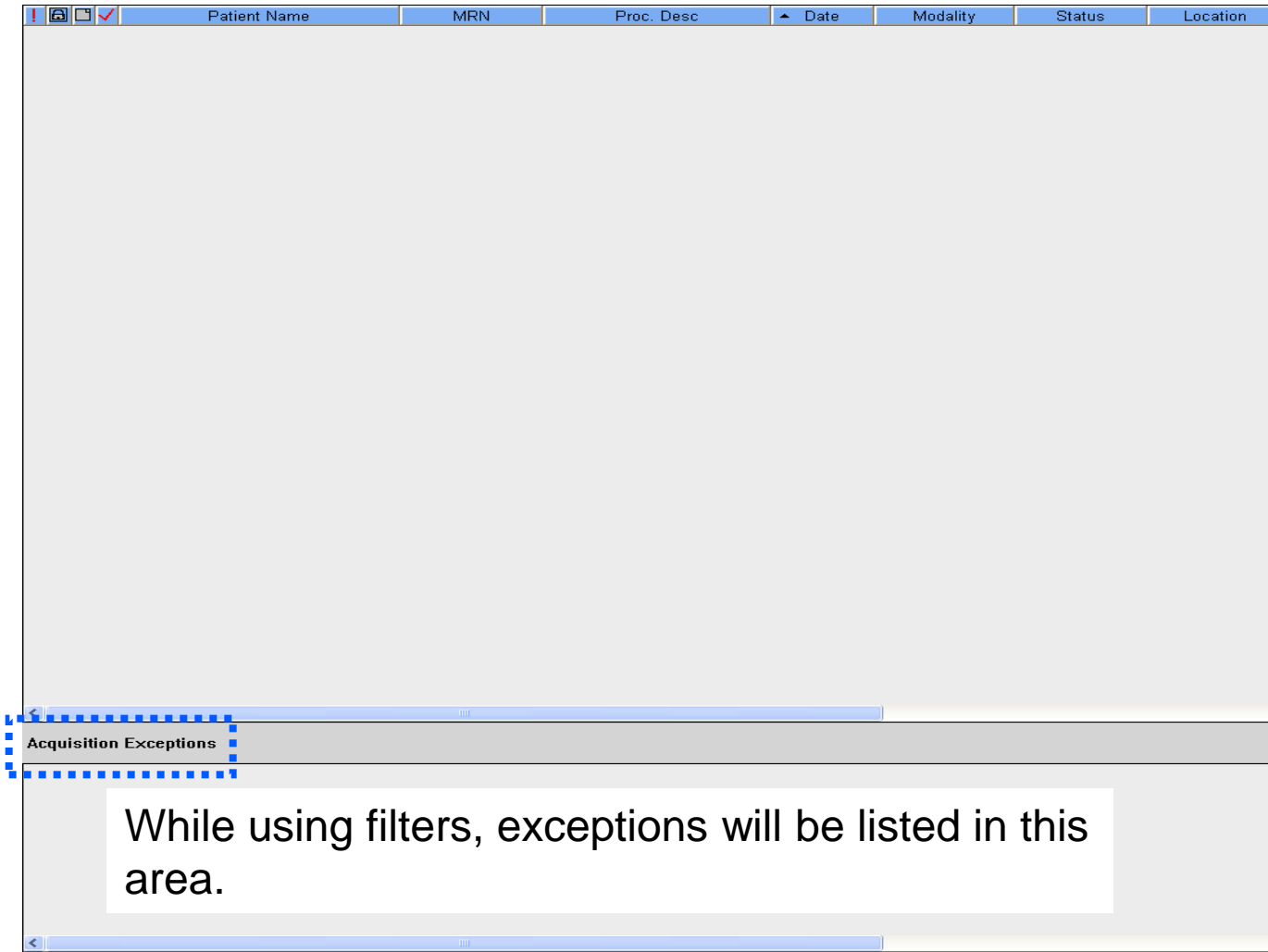
# Customizing Filter Views

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

Accession	Patient Name	MRN	Body Part	Date	Ref. Physic...	Status	Moda
<input type="checkbox"/> ✓ 107	M	5555	LWREXT	11/16/2006...	Phillips, Pr...	FINAL	MR
<input type="checkbox"/> ✓ 1234567	LC	7000	LSPINE	11/27/2006...	TAKEGOS...	FINAL	MR
<input type="checkbox"/> ✓ ACC7602	M	7777	CHEST	11/27/2006...	Unassigne...	PRELIM	MR
<input type="checkbox"/> ✓ 02036039050	VF	MEMO CD VIE...	CHEST	11/27/2006...	Phillips, Pr...	FINAL	MR
<input type="checkbox"/> ✓ 104	M	5555	LWREXT	11/27/2006...	ANTHONY,...	FINAL	MR
<input type="checkbox"/> ✓ ACC7597	NE	823	ABDOMEN	11/27/2006...	Sterling, AI...	FINAL	MR

Accession	Patient Name	MRN	Date	Status	Modality	Organization
<input type="checkbox"/> ✓ 02036039050	VF M	MO CD VIE...	11/27/2006...	FINAL	MR	iSite
<input type="checkbox"/> ✓ 104	MR	55	11/27/2006...	FINAL	MR	iSite
<input type="checkbox"/> ✓ 107	MR	55	11/16/2006...	FINAL	MR	iSite
<input type="checkbox"/> ✓ 1234567	LOPI	00	11/27/2006...	FINAL	MR	iSite
<input type="checkbox"/> ✓ ACC7597	NELS	3	11/27/2006...	FINAL	MR	iSite
<input type="checkbox"/> ✓ ACC7602	MR	77	11/27/2006...	PRELIM	MR	iSite

# Customizing Filter Views



# Filter Icons

	Accession	Patient Name	MRN	Body Part	Date	Ref. Physic...
	107	MR - GENERAL, EXA...	E5555	LWREXT	11/16/2006...	Phillips, Pr... F
	1234567	LOPEZ, JOSE	D7000	LSPINE	11/27/2006...	TAKEGOS... F
	ACC7602	MR - PHILIPS, EXAMP...	P7777	CHEST	11/27/2006...	Unassigne... F
	02036039050	VF Multimodality, MR/...	DEMO CD VIE...	CHEST	11/27/2006...	Phillips, Pr... F
	104	MR - GENERAL, EXA...	E5555	LWREXT	11/27/2006...	ANTHONY,... F
	ACC7597	NELSON, PAT	D823	ABDOMEN	11/27/2006...	Sterling, Al... F



Indicates Marked Read



Indicates Report available



Indicates a user with Read privileges has the study open and controls the ability to read the study.

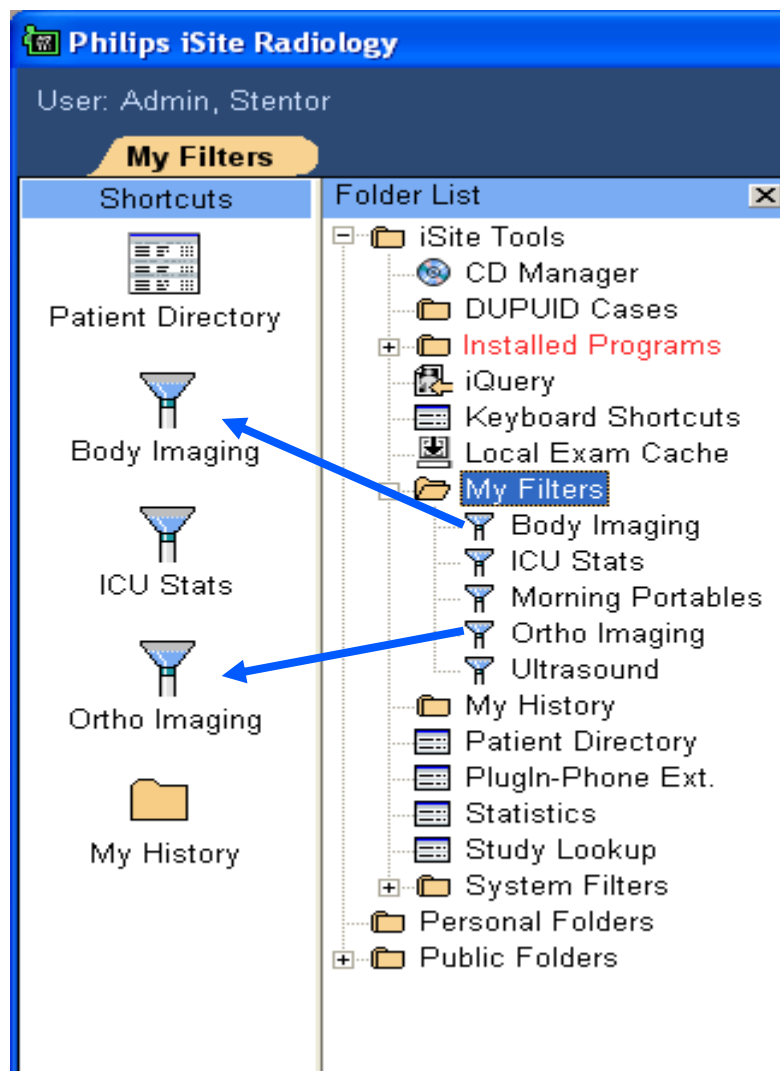
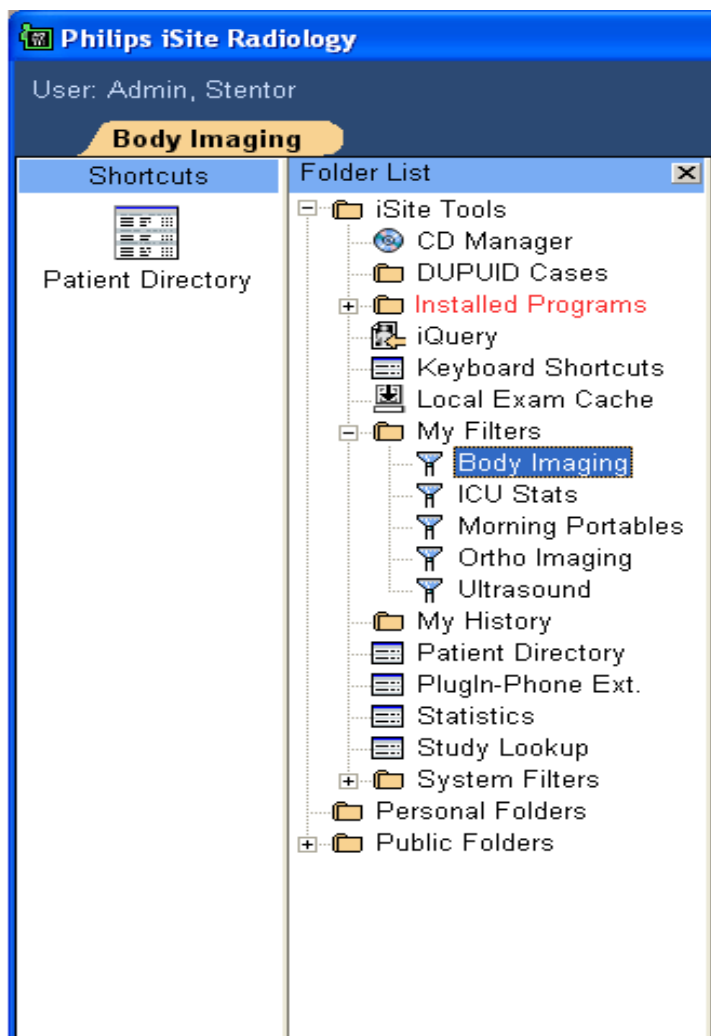


Indicates STAT

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

