

TID (unique)	KEYWORD(unique)	TAG(Separate with comma)	CATEGORY	PID(Separate with comma if more than one)	QUESTION	ANSWER	DOCUMENTATION LINK	YOUTUBE SOLUTION LINK				
						Use this procedure to open ImageWorks from which you can access the browser program. 1. Click the ImageWorks icon to open the ImageWorks workspace 2. From the browser patient list, select the desired images. 3. From the browser list of applications, click Viewerto open the Viewer workspace. 4. Click the Display tab to open the Display control panel. You can also double click the series or thumbnail to start the viewer. If the number of images in a series is more than 20,000, then the viewer can not start this series. Select an image subset from the patient schedule, then click Viewer to view these images. When finished viewing images, close Viewer and select the remaining images, then click Viewer. Further, you may also open two Viewers, every Viewer has one image subset.  Using the following steps can add Annotation to your images, allowing you to make commentary when landmarking, or draw attention to a certain area of interest. 1. OpenViewer. 2. Click the viewport for which you want to compose messages. 3. In the Display tab, click the Annotation icon. 4. In the Annotation text box, edit annotations as necessary. <input type="checkbox"/> Click and drag the empty red box to specify the size of the text box. <input type="checkbox"/> Move the cursor to a text box and enter a message. This tool automatically surrounds the text and expands textbox size as you type. <input type="checkbox"/> Move the cursor to insert a string of text and enter information. Select existing text, you can also enter over it or press Delete. 5. If you must add or remove an arrow in the text box, click Select Object in the Annotation screen or remove the selection Include Arrow. <input type="checkbox"/> Click and drag the arrow tip to position the arrow. <input type="checkbox"/> Clicking and dragging arrow lines will move arrows and boxes as a single unit. <input type="checkbox"/> Click and drag the solid red box to move the text box. <input type="checkbox"/> Click and drag the empty red box to change the size of the text box.  Using the following steps can change the font size for the patient's name, identification number, registration number and scan date as displayed on the image or film. When the view image format is larger than 1 X 1, these changes are most noticeable. Figure 12-2 Model example of large fonts for patient name and scan date 1. OpenViewer. 2. From the Display tab or Film/Save tab, click the Tools icon. Select the appropriate tag in accordance with the fonts needed for changing film (Film/Save tab) or view (View tab). 3. In the menu, select Large Font. 4. Check the option box with the fields requiring the larger font. 5. ClickApply.  Clicking Save as Default can save annotation font size status after restarting.						
Chapter 12	OPEN_IMAGE_WORKS		ACT imaging	ACT	What are the procedures to open image works?							
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Chapter 12			ACT imaging	ACT	How to add cross reference line to an interval of layers like even/add?	<p>You can use the steps below to place a Cross Reference line on the intervals of a series or even/odd layer positions.</p> <ol style="list-style-type: none"> <li>1. OpenViewer.</li> <li>2. Click the viewport where you want to paste up cross reference scan lines.</li> <li>3. In the Command Line, enter the xr command, follow by adding the series number, the colon symbol (:) and interval. For example, if you want to display every third layer in series 2, please enter xr 2:3. Press the Enter key.</li> </ol>			
Chapter 12			ACT imaging	ACT	How to add cross reference line to a range of layers?	<p>You can use the steps below to display the cross reference line series of images in a common series.</p> <ol style="list-style-type: none"> <li>1. OpenViewer.</li> <li>2. Click the viewport where you want to paste up cross reference scan lines.</li> <li>3. In the Command Line, enter the xr command, follow by entering the first image-last image, for example: xr 2:1-4. Press the Enter key.</li> <li><input type="checkbox"/> If necessary, use the % symbol to mark the last image in a series.</li> </ol> <p>You can use the steps below to remove a Cross Reference line placed on an image.</p> <ol style="list-style-type: none"> <li>1. OpenViewer.</li> <li>2. Cross reference lines displayed on an image.</li> <li>3. In the Command Line, enter noxr. Press the Enter key. All reference lines have been removed.</li> </ol>			
Chapter 12			ACT imaging	ACT	How to remove cross reference line from any layer?	<p>Use the Cine tool to turn pages in an image, like you're currently watching a video.</p> <ol style="list-style-type: none"> <li>1. OpenViewer.</li> <li>2. Select the series you want to view in Cine mode.</li> <li>3. In the Display tab, click the Movie icon.</li> <li>4. In the Cine area, click the Play icon; this will use all default settings. Additionally, you can conduct selections from the Cine area.</li> <li><input type="checkbox"/> The system will automatically change the format to 1-on-1.</li> <li><input type="checkbox"/> Define layer ranges</li> </ol> <p>Click Play All to place all images in a series into the Cine.</p> <p>Click Play Range and enter a From and To image number in the text.</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Define Image Interval. This is usually maintained at the default value 1. When displaying a cine from a multi-phase series, within the image range enter a number representing the number of phases.</li> <li><input type="checkbox"/> Select an image interval, this interval will allow you to skip some images in the series when the images are being displayed in cine mode. For example, if your series is a 4 phase acquisition, you may want to view one phase one time, therefore you will enter a 1 interval.</li> <li><input type="checkbox"/> Select a view mode.</li> </ul> <p>When displaying a Cine, the Loop icon will go from start to end, then again from start to end. For example, if there are 20 images in a Cine, the image display method is 1-20, 1-20, 1-20, etc.</p> <p>When displaying a Cine, the Rock icon will go from start to end, then again from end to start. For example, if there are 20 images in a Cine, the image display method is 1-20, 20-1, 1-20, 20-1 etc.</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Select a Frame Rate, it indicates the number of images displayed in a second.</li> <li><input type="checkbox"/> Click the Play icon to play backwards or forwards. From the cine stop or pause point start playing the cine.</li> <li><input type="checkbox"/> Click the Pause icon to stop the movie from playing.</li> <li><input type="checkbox"/> Clicking the End icon can take the last image in a cine and place it in the active viewport.</li> <li><input type="checkbox"/> Clicking the Beginning icon can take the first image in a cine and place it in the active viewport.</li> <li><input type="checkbox"/> Clicking the Step Forward icon can increase a step from forwards to backwards to an image. Using this icon can increase a step from the image to a certain start point of the first image not within the cine layer range.</li> <li><input type="checkbox"/> Clicking the Step Back icon can increase a step from backwards to forwards to an image. Using this icon can increase a step from the image to a certain start point of the first image not within the cine layer range.</li> </ul>			
Chapter 12			ACT imaging	ACT	How to turn pages of an image like watching video using cine tool/cine play program?	<ol style="list-style-type: none"> <li>1. OpenViewer.</li> <li>2. At the bottom of the Control Panel, in the Command Line enter ? and press the Enter key.</li> <li><input type="checkbox"/> The Command Line screen opens, listing all hotkey commands.</li> <li>3. In the Command Line window, select the desired command.</li> <li>4. Click Accept.</li> <li>5. Place the cursor at the end of the command character string in the Command Line, and press the Enter key.</li> <li><input type="checkbox"/> This command is then applied to all displayed viewports.</li> <li><input type="checkbox"/> As next and prior images are selected, the command will be applied to all of these images as well.</li> </ol>			
Chapter 12			ACT imaging	ACT	How to perform command line programming?				
Chapter 12			ACT imaging	ACT	How to use color mapping tool to change color of all viewports?	<p>Use the Color Map tool for scheduled acquisitions, DWI ADC images, histograms and dynamic enhanced viewing, in order to change the color of all viewports.</p> <ol style="list-style-type: none"> <li>1. OpenViewer.</li> <li>2. In the Display tab, click the Color Map icon and select an option from the menu.</li> </ol> <p>To remove a color map, from the Color Map menu, select none or gray.</p>			
Chapter 12			ACT imaging	ACT	How to open multiple images for comparison using image compare program?	<p>By using the steps below, you can open multiple grouped images in the Viewer for comparison. Comparison mode can be started through the three following kinds of workflows:</p> <p>From the Data Apps list start and compare</p> <ol style="list-style-type: none"> <li>1. Navigate to the ImageWorks desktop.</li> <li>2. Press and hold the Ctrl key, and at the same time in the Series List click 2, 3 or 4 series.</li> <li><input type="checkbox"/> The selected series will be highlighted and displayed in the Series List.</li> <li>3. In the Data App list, click the Viewer, in order to display the selected series in a single viewport.</li> </ol> <p>View Compared Images</p> <ol style="list-style-type: none"> <li>1. Pressing Page Up and Page Down can at the same time go up the page or down the page in these series.</li> <li>2. The Window Width/Window Level of every viewport can be controlled separately.</li> <li>3. The Maximize button in View Controller can not be used in the comparison mode.</li> <li>4. All available options in the Viewer Control Panel can be controlled in every viewport.</li> <li>5. Page turning can only be used in two series.</li> </ol> <p>Undo Link/Re-link viewport</p> <ol style="list-style-type: none"> <li>1. Click the viewport to be viewed alone.</li> <li>2. In the View Controller, click the Ports icon to undo a series link.</li> </ol> <p>Figure 12-22 View Controller linking</p> <ol style="list-style-type: none"> <li><input type="checkbox"/> Pressing the Page Up button and Page Down button can scroll through the browser series.</li> <li><input type="checkbox"/> If you need to re-link a viewport, please click on the Ports icon.</li> </ol>			
Chapter 12			ACT imaging	ACT	How to restore an image to its original size using display normal procedure?	<p>You can use the steps below to restore an image to its original state.</p> <ol style="list-style-type: none"> <li>1. OpenViewer.</li> <li>2. In the Viewer Display tab, clicking the Display Normal icon can return the image to its original image state and erase the display functions below:</li> <li><input type="checkbox"/> Flip/rotate</li> <li><input type="checkbox"/> Zoom in or zoom out</li> <li><input type="checkbox"/> Image enhancement (filter)</li> <li><input type="checkbox"/> Scroll or pan</li> <li><input type="checkbox"/> Color</li> </ol> <p>Display/Normal has no effect on the Rectangular Matte, Annotation or Graphic operations. Using the Erase All button can remove these elements from images.</p>			
Chapter 12			ACT imaging	ACT	How to erase/hide extra object programs in viewports?	<p>Using this program when one or more graphical objects are placed in any or all viewports, can Erase/Hide the objects.</p> <ol style="list-style-type: none"> <li>1. OpenViewer.</li> <li>2. Display an image object, for example an Annotation information, Measurements, Mask, ROI string, etc.</li> <li>3. Click the arrow next to the Erase/Hide icon to select the icon that matches the desired operation.</li> <li><input type="checkbox"/> Clicking the Hide All icon can temporarily hide annotations or image objects.</li> <li><input type="checkbox"/> Clicking the Show All icon can restore annotations or image objects, making them visible.</li> <li><input type="checkbox"/> Clicking the Erase Single icon can erase the currently selected image object. Using the Erase option can erase one graphics element once.</li> <li><input type="checkbox"/> Clicking the Erase All icon can remove all graphical objects from all viewports.</li> </ol> <p>Clicking Ctrl and X at the same time can erase the selected graphical objects.</p> <p>Using the steps below can use one of the Filters in the Viewer in order to enhance margin or pulmonary area or render images smooth.</p> <ol style="list-style-type: none"> <li>1. OpenViewer.</li> <li>2. Click the viewports where you want to change the filter.</li> <li>3. In the Display tab, click the Filter icon.</li> <li>4. Select a filter from the menu.</li> </ol>			
Chapter 12			ACT imaging	ACT	How to smooth images using filter image program?	<p>Use the Flip/Rotate tool to change the direction of the displayed images.</p> <ol style="list-style-type: none"> <li>1. OpenViewer.</li> <li>2. In the Display tab, click the Flip/Rotate icon.</li> <li>3. In the Flip and Rotate Images areas, click the icon matching the desired operation.</li> </ol>			
Chapter 12			ACT imaging	ACT	How to change direction of displayed images using flip/rotate image program?				

Chapter 12			ACT imaging	ACT	How to change viewport display format?	Using the steps below can change the viewport display format. 1. OpenViewer. 2. In the Display tab, click the Format icon. 3. On the Format display, scroll the cursor to view the available formats. 4. Click to select the desired format. Use the Gray Scale tool to enhance the contrast of an image in order to give the image more of a black and white appearance. 1. OpenViewer. 2. Click the viewports where you want to change the gray scale. 3. In the Display tab, click the Gray Scale icon. 4. In the Filters area, select a Gray Scale filter.			
Chapter 12			ACT imaging	ACT	How to enhance contrast of an image by giving it a black and white appearance using the steps below can change the viewport display format?	Using the steps below can change the viewport display format. 1. OpenViewer. 2. In the Display tab, click the Format icon. 3. On the Format display, scroll the cursor to view the available formats. 4. Click to select the desired format. Use the Gray Scale tool to enhance the contrast of an image in order to give the image more of a black and white appearance. 1. OpenViewer. 2. Click the viewports where you want to change the gray scale. 3. In the Display tab, click the Gray Scale icon. 4. In the Filters area, select a Gray Scale filter.			
Chapter 12			ACT imaging	ACT	How to place a grid on the main image using grid display procedures?	Using the steps below can move the grid in the viewport. 1. Click a grid, making it active status (blue). 2. Place the cursor on a grid cross reference point and drag it to a new position. Using the steps below can set grid preferences. 1. In the Display tab, click the Tools icon. 2. From the pull-down menu, select Grid Preferences. 3. From the Grid Preferences screen area, select the options you need. □ Matrix Lines: Open or close the lines for the four-corner grid pattern formed by the central horizontal and vertical lines. □ Line Style: Turn grid lines into solid lines or virtual lines. □ Grid Spacing: In units of millimeters, changes the spacing between grid lines. □ Tick Spacing: In units of millimeters, changes the spacing between tick lines. □ Tick length: In units of millimeters, changes the length of tick lines. 4. Clicking Save as defaults can permanently save the content of the selections. □ You can also click Apply to apply the selected options. This is a temporary selection, only applicable to the currently displayed image.			
Chapter 12			ACT imaging	ACT	How to adjust grid preferences?	Using the steps below can move the grid in the viewport. 1. Click a grid, making it active status (blue). 2. Place the cursor on a grid cross reference point and drag it to a new position. Using the steps below can set grid preferences. 1. In the Display tab, click the Tools icon. 2. From the pull-down menu, select Grid Preferences. 3. From the Grid Preferences screen area, select the options you need. □ Matrix Lines: Open or close the lines for the four-corner grid pattern formed by the central horizontal and vertical lines. □ Line Style: Turn grid lines into solid lines or virtual lines. □ Grid Spacing: In units of millimeters, changes the spacing between grid lines. □ Tick Spacing: In units of millimeters, changes the spacing between tick lines. □ Tick length: In units of millimeters, changes the length of tick lines. 4. Clicking Save as defaults can permanently save the content of the selections. □ You can also click Apply to apply the selected options. This is a temporary selection, only applicable to the currently displayed image.			
Chapter 12			ACT imaging	ACT	How to change control of left mouse button using image control program?	Using the steps below you can change the control of the left mouse button. 1. OpenViewer. 2. Select the Image Controls icon on the Control Panel. Figure 12-26 Image Controls □ Clicking the Slice number control icon can use the left mouse button to scroll through the images in the current series. Click and drag up/down or left/right in order to advance to higher or lower series numbers. □ Clicking the Magnifying Glass icon can use the left mouse button as a magnifying function. Click and drag up to increase the magnification factor, click and drag down to decrease the magnification factor. Magnification factors are annotated on the upper right area of an image. Zoom is applied to the images in the active viewport and the viewport forward. □ Clicking the Scroll icon can use the left mouse button to scroll images. Click and drag images in the active viewport to a new location. □ Clicking the Selection icon can use the left mouse button for a selection function and disable all other image controls. □ Clicking the W/L (Window Width/Window Level) icon can use the left mouse button for Window Width and Window Level images. Click and drag the cursor in the directions below to change Window Width/Window Level: Move up to make image brighter (reduce Window Level value) Move down to make image darker (increase Window Level value) Move right to make Window Width wider Move left to make Window Level more narrow. □ Clicking the Minimize/Maximize icon can change the viewport area to a 1-on-1 display, then reselect format, for example, change to a 4-on-1 display.			
Chapter 12			ACT imaging	ACT	How to select images displayed in the viewer using image select program?	Use one of the programs below to select the images displayed in the Viewer. Method 1: Active image annotations 1. OpenViewer. 2. Place the cursor on an orange Image Number annotations on the upper left of a viewport. Figure 12-29 Orange image number annotations 3. Click to progressively add current images. 4. Right button single click, decrease current images. Method 2: Command Line 1. OpenViewer. 2. Place the cursor on the Command Line. 3. Enter XX and press Enter, here XX is the desired image number. This image number will appear in the left side of an active viewport. Method 3: Keyboard 1. OpenViewer. 2. Press Page Up to add the current image. 3. Press Page Down to decrease the current image. 4. Press Home to display the first image. 5. Press End to display the last image. Method 4: Image controls panel 1. OpenViewer. 2. Clicking the Image Page icon (located in the Image Controls Panel) to change the left mouse button into the layer number control. 3. Place the cursor in the viewport, then drag up or right/down or right/left, to advance to a higher or lower image serial number.			
Chapter 12			ACT imaging	ACT	How to invert image display using image invert program?	You can use the steps below to invert image display. Method 1: Window Width and Window Level icon 1. OpenViewer. 2. On the Display tab, click the Window Width and Level icon. 3. In the Windowing area, click the Invert icon. □ The Invert icon is a toggle icon, click it again to reset it. Method 2: Command Line 1. OpenViewer. 2. In the Command Line, enter invert. □ Clicking Invert again can reset the icon and return it to its normal state. Using the Minimize/Maximize tool can change the format to 1-on-1 display (Maximize), then return the format to the previously selected value. 1. OpenViewer. 2. In the Display tab, click the Minimize/Maximize icon to change the viewport area to a 1-on-1 display. Figure 12-30 1-on-1 display 3. Click the Minimize/Maximize icon again, restore format. In this example, restore a 4-on-1 display.			
Chapter 12			ACT imaging	ACT	How to change display format to 1 on 1 and return format to previously selected format?	Mask Measurements, ROIs and Annotation program functions all have copying functions. Using the following steps can use the Command Line to expand objects in all or selected viewports. 1. OpenViewer. 2. Generate a graphic: Annotation, Mask, Measurements, ROI, Grid. 3. Click the graphic you want to copy (annotation box, matte, measurement, ROIs, grid) and make it into an active state (yellow). 4. In the Display tab, click the Selected objects icon and select the propagation option. □ Select All Images in series to apply annotation changes to all images in a series. □ Selecting This Image Forward only applies annotation changes to images in the series following this serial number. □ Select Range to designate a layer plate range. 5. Click Apply.			
Chapter 12			ACT imaging	ACT	How to copy/expand objects from viewports using copy object program?	1. Place cursor in the Command Line. 2. Enter one of the following commands: □ Enter prop a and press Enter, copying graphics in all viewports. To erase copied objects, in the Erase Hide Menu, click the Erase All icon.			
Chapter 12			ACT imaging	ACT	How to backup command lines?	1. Place cursor in the Command Line. 2. Enter one of the following commands: □ Enter prop a and press Enter, copying graphics in all viewports. To erase copied objects, in the Erase Hide Menu, click the Erase All icon.			

Chapter 12			ACT imaging	ACT	How to display,define an image in a small viewport according to image using referer	<p>Use the Reference Image tool to display an image, define the original image within the small viewport according to the image.</p> <ol style="list-style-type: none"> <li>1. OpenViewer.</li> <li>2. Select the image that you want to view.</li> <li>3. Clicking Ref Image &gt; All On to display reference images on all images in a series.</li> <li>4. Select Selected On to only display a reference image on the primary viewport.</li> <li>5. Reference images must be on a different level from the main image.</li> <li>6. These two images (main image and reference images) must come from the same exam, and must have the same horizontal boundary line, the same patient location and the same patient entry method.</li> <li>7. Viewportimages and reference images cannot be Screen Save, 3D rendered images or members of an image group.</li> <li>8. All Reference Image viewports display the same image. You can not place a different image in a single or different viewing areas. If an image in a Reference Image viewport is changed, all other Reference Image viewports will update to the same image.</li> <li>9. Inverse Video at the same time effects the main image and reference images.</li> <li>10. Click the Reference image to change focal point and adjust window width/window level, magnification, panning, flip/rotate and display normal. When you initiate these changes on a reference image viewport, all reference images will update.</li> <li>11. Series Binding cannot be applied to reference images.</li> <li>12. If you want to erase reference images from a series, please click Ref Image &gt; All Off.</li> </ol>			
Chapter 12			ACT imaging	ACT	What are the steps to display a cursor/reporting anatomical position and CT value on the upper left corner of an image using report cursor procedure?	<p>You can use the steps below to display a cursor/reporting anatomical position and CT value on the upper left corner of an image.</p> <ol style="list-style-type: none"> <li>1. OpenViewer.</li> <li>2. In the Display tab, click the Tools icon.</li> <li>3. From the menu, select Guides Settings.</li> <li>4. Select Report Cursor.</li> <li>5. Click and drag the cursor to view updated location and CT values.</li> <li>6. Clicking Save as Default can save the report cursor status during the restart process.</li> </ol> <p>Using the steps below can change the left mouse button into the scrolling or panning control in order to move images in a viewport.</p> <ol style="list-style-type: none"> <li>1. OpenViewer.</li> <li>2. From the Image Controls Panel, click the Scroll icon.</li> <li>3. Click and drag images in the active viewport to a new location.</li> <li>4. Clicking the Display Normal icon can cancel scrolling on the images.</li> </ol>			
Chapter 12			ACT imaging	ACT	What are the steps to change the left mouse button into the scrolling or panning control to move images in a viewport using scroll images program?	<p>Using the steps below can define the layout of a viewport, and from which every main viewport can define a format.</p> <ol style="list-style-type: none"> <li>1. OpenViewer.</li> <li>2. In the Display tab, click the Screen Layout icon.</li> <li>3. In the Screen Layout area, select one of the available main screen layouts.</li> <li>4. Select one of the available main screen layouts.</li> <li>5. 2-on-1 horizontal segmentation</li> <li>6. 4-on-1</li> <li>7. In the Display tab, click the Format icon and select the desired format.</li> <li>8. This image format will be applied to the selected main viewport.</li> <li>9. Select the main viewport where you want to place the screen layout image. This operation will activate the viewport.</li> <li>10. In Data Selector, select the desired series and click View.</li> <li>11. Images in the selected series appear in the selected format in the current viewport.</li> <li>12. Since each main viewport can use a single series and format, please repeat steps 4-6 for every main viewport.</li> </ol> <p>Like the example below selected a 4-on-1 screen layout and every main viewport adopts a single format.</p>			
Chapter 12			ACT imaging	ACT	How to reset viewports?	<ol style="list-style-type: none"> <li>1. Select Format icon and select 1-on-1 format display.</li> <li>2. Select the Screen Layout icon and select 1-on-1 viewport format.</li> </ol>			
Chapter 12			ACT imaging	ACT	How to save an image in a series using screen save image program/tool?	<p>Use the Screen Save tool to save an image in a series. Saved images can be viewed from the ImageWorks workspace.</p> <ol style="list-style-type: none"> <li>1. OpenViewer.</li> <li>2. Click the image to be screen saved to make it active.</li> <li>3. Click the Film/Save tab.</li> <li>4. Click the Screen Save icon.</li> <li>5. On the Screen Save image you can still adjust W/L (Window Width/Window Level) and magnification values.</li> <li>6. Once a screen is saved, all random annotations to an image can not be erased, because it is a "snapshot" of the screen and cannot be changed.</li> <li>7. Screensaved images have post-processing limits, for example filtering cannot be performed on them.</li> <li>8. Screen save images saved in a SSAVE screen save series, they can perform archiving and network transferring.</li> </ol>			
Chapter 12			ACT imaging	ACT	How to activate/deactivate series binding?	<p>Using the steps below can turn Series Binding on or off.</p> <ol style="list-style-type: none"> <li>1. OpenViewer.</li> <li>2. In the Display tab, click the Tools icon.</li> <li>3. From the tools pull-down menu select Series Binding.</li> <li>4. Select ON or OFF.</li> <li>5. When Series binding is open, after the last layer in a series, click Image + (next image) or press Page Down to display the first layer of the next series.</li> <li>6. When Series binding is off, after the last layer in a series, click Image + or press Page Down to display the last layer of the same series. And it will not automatically advance to the next series.</li> <li>7. Click Save as defaults to permanently save selected content.</li> </ol>			
Chapter 12			ACT imaging	ACT	How to open the viewer from image works?	<p>Using the steps below can view sessions and open the Viewer.</p> <ol style="list-style-type: none"> <li>1. Navigate to the ImageWorks desktop.</li> <li>2. Select the desired exam, series or image.</li> <li>3. Click Viewer.</li> </ol>			
Chapter 12			ACT imaging	ACT	How to use Text Page tool to display specific patient exam's Exam TextPage or ROI text page using text page display program?	<p>Using the Text Page tool can display a specific patient exam's Exam TextPage or ROI text page.</p> <ol style="list-style-type: none"> <li>1. OpenViewer.</li> <li>2. Click the Film/Save tab.</li> <li>3. Click the Text Page icon.</li> <li>4. Click the desired Text Page. Exam Text page, Series Text page, ROI text page.</li> <li>5. Select one option from among those at the bottom of the page.</li> <li>6. Clicking the Film icon can place the page in the next available film frame in the film designer.</li> <li>7. Clicking the Screen Save icon can add the SSAVE image type to the patient exam.</li> <li>8. Use the Next/Prior arrow to navigate the text page.</li> <li>9. Click the Quit icon to close the window.</li> </ol>			
Chapter 12			ACT imaging	ACT	What are the steps to use small ruler vertical or horizontal Tick Marks on your image?	<p>Using the steps below can use small ruler vertical or horizontal Tick Marks on your image.</p> <ol style="list-style-type: none"> <li>1. OpenViewer.</li> <li>2. In the Display tab, click the Tools icon.</li> <li>3. In the Set Display Preferences area, from the menu select Guides Settings.</li> <li>4. Select Vertical Tick Marks and/or Horizontal Tick Marks to open them.</li> <li>5. Figure 12-35 Tick marks on</li> <li>6. Clicking Save as Default can save restarted tick mark status.</li> <li>7. Tick marks is a toggle option. Once they are opened, they will always maintain an On status, until you select the option again and turn it off.</li> </ol>			

						<p>Chose one of the following program to Zoom the image, in order to best display the targeted area. If the selected view is set as the main view, and axillary views follow after, then zoom will be applied to all images in the series. If the selection of other views is canceled, then zoom is only applied to the main view.</p> <p>Method 1: Display Tab</p> <ol style="list-style-type: none"><li>1. Open/Viewer.</li><li>2. Click the viewport for which you want to zoom the images.</li><li>3. In the Viewer Display tab, click the Zoom icon.</li><li>4. In the Zoom area, enter a factor in the text box or use the slider to determine the zoom factor. Click the Display/Normal icon to cancel the zoom on the image.</li></ol> <p>Method 2: Image controls panel</p> <ol style="list-style-type: none"><li>1. Open/Viewer.</li><li>2. Click the viewport for which you want to zoom the images.</li><li>3. From the Image Controls Panel, click the Zoom icon.</li><li>4. Place the cursor in an active viewport, click and drag to change the zoom factor. Click the Display Normal icon to cancel the zoom on the image.</li></ol> <p>Method3: ScreenAnnotations</p> <ol style="list-style-type: none"><li>1. Open/Viewer.</li><li>2. In the image viewport, place the cursor on orange Mag and click the right mouse button to display the Zoom slider in the image viewport.</li><li>3. Clicking and dragging the slider can change the zoom factor.</li><li>4. Click anywhere in the viewport except the slider to close the slider.</li></ol> <p>Method 4: Magnifying Glass</p> <ol style="list-style-type: none"><li>1. Open/Viewer.</li><li>2. Click the viewport for which you want to use the Magnifying Glass.</li><li>3. In the Image Controls Panel, click the Magnifying Glass icon.</li><li>4. Place the cursor in an active viewport, click and drag to view the magnified area.</li></ol> <p>Use the Save State tool to save the current window width and window level, image controls and all image annotations and graphics to a GSPS in the Patient List.</p> <p>MethodOne</p> <ol style="list-style-type: none"><li>1. Open/Viewer.</li></ol> <p>Select the image that you want to view.</p> <ol style="list-style-type: none"><li>2. Display images as per the necessary state.<ul style="list-style-type: none"><li>Placed annotation text far away from the viewport margin. If the edge of the text box is near the edge of the viewport, then the displayed image on another viewer (for example, a PACS viewer) may not display the text box.</li></ul></li><li>3. Place the cursor in the command line and enter ss, press the Enter key to save image state.<ul style="list-style-type: none"><li>PROSP series and GSPS series can perform network transfers and archiving, so that when they are displayed on remote systems, they can display saved image controls and images. These two types of series must be simultaneously sent to the terminal destination. If only the original image is sent, then the image controls will not be sent, because the image controls are located in the GSPS series.</li><li>Archiving and network transfers of original series and GSPS series can be performed both manually and automatically. If you want to perform automatic archiving or network transfer of GSPS series, you must open Auto Archive or Auto Transfer by Exam, then create a GSPS series before the exam is completed. You must manually perform archiving or network transfer on any GSPS series acquired after an exam has been completed.</li></ul></li></ol> <p>MethodTwo</p> <ol style="list-style-type: none"><li>1. On the Film/Save tab, click the Save State icon.</li><li>2. Enter text as necessary in the Presentation Label text box.</li><li>3. Select image range.</li><li>4. Click Save State.</li></ol> <p>View Save State image (GSPS)</p> <ol style="list-style-type: none"><li>1. Open the ImageWorks desktop.</li><li>2. Select a GSPS series.</li><li>3. Click/Viewer.</li></ol>			
Chapter 12		ACT imaging	ACT	How to Zoom the image, in order to best display the targeted area. If the selected view is set as the main view, and axillary views using zoom image program?					
Chapter 12		ACT imaging	ACT	How to use Save State tool to save the current window width and window level, image annotations and graphics to a GSPS in the Patient List using save state program?	On the right side of the browser, click Add/Subtract to open the Add/Subtract (Image Combination) screen.				
Chapter 13		ACT imaging	ACT	What are the steps to open add/subtract screen?	<p>Figure 13-1 Add/Subtract screen</p> <p>Figure 13-2 Image Combination area</p> <p>Select Set 1</p> <p>Defines the first image set.</p> <p>Select Set 2</p> <p>Defines the second image set.</p> <p>Equal(=)</p> <p>Performs the selected operation and generate the new images.</p> <p>Ratio slider</p> <p>Increases pixel weighting of the left (first) image when moved to the left and increases pixel weighting of the right (second) image when moved to the right. The slider is only available during addition and subtraction when both Select Set buttons are selected.</p> <p>Save Series</p> <p>Displays the current series and starting image number of the saved series. By default, images resulting from subsequent operations are added onto the end of the same series unless you click New Save Series.</p> <p>New Save Series</p> <p>Places images resulting from subsequent operations into a new series in the Patient List. If you do not select this option, the images are saved in the current saved series.</p> <p>Mode</p> <p>Figure 13-4 Mode buttons</p> <p>Max creates a new series that finds the highest corresponding signal intensity values in the selected set or sets of images.</p> <p>Plus (+) creates a new series that adds the image intensity values of the selected image sets.</p> <p>Minus (-) creates a new series that subtracts the image intensity values of the selected image sets.</p> <p>Min creates a new series that finds the lowest corresponding signal intensity values in the selected set or sets of images.</p> <p>Bind creates a new series that consists of copies of the selected images from one or more existing series.</p> <p>Accept Negative Pixels</p> <p>Allows negative pixel values in the resulting images. If this function is not enabled, all negative pixel values are set to zero. This operation is useful on pre- and post-contrast studies of the same slice location.</p> <p>Clear Selection</p> <p>Erases the selections so that both Select Set buttons have no prior values associated with them.</p> <p>Use this procedure to create a new image set, for example add thin slices together or subtract pre/post contrast series. The resulting images are annotated with the day on which the addition/subtraction was performed.</p> <p>Open ImageWorks.</p> <ol style="list-style-type: none"><li>1. From the browser list of applications, click Add/Sub.</li><li>2. Select the desired images.<ul style="list-style-type: none"><li>If only one set is selected, each operation performed produces one resulting image.</li><li>If two sets are selected, images in the two sets are paired according to physical location in the patient's body. Unpaired images in either set are ignored.</li></ul></li><li>3. On the Image Combination screen, click Select Set on the left.</li><li>4. If you are adding/subtracting two sets of images, select the second set of images, and click Select Set on the right.<ul style="list-style-type: none"><li>By default, equal weighting is applied to the two pixels in each pair, but you can change the weighting via the Ratio slider.</li><li>Drag the slider to the left to increase the pixel weighting of the images on the left Select Set button. Drag the slider to the right to increase the pixel weighting of the images on the right Select Set button.</li></ul></li><li>5. Click + (addition) or - (subtraction).</li><li>6. For subtraction, click Accept Negative Pixels unless you want the negative pixel values set to 0 in the resulting image.</li><li>7. Typically, use the system provided series number.</li><li>8. Click = (equal) to generate the images in the exam defined by the left Select Set button.</li><li>9. Optional: Click New Save Series to repeat the add/subtract procedure with a new series number and description.</li></ol> <p>Use this procedure to combine images from different series to create a new series. The resulting images are annotated with the day on which the addition/subtraction was performed.</p> <p>Open ImageWorks.</p> <ol style="list-style-type: none"><li>1. From the browser list of applications, click Add/Sub.</li><li>2. Select the desired images.</li><li>3. On the Image Combination menu, click Select Set on the left side of the menu.</li><li>4. Click Select Set on the right side of the menu.</li><li>5. Click Bind.</li><li>6. Typically, use the system provided series number, or type a new series description and number in the Save Series textfield.</li><li>7. Click = (equal) to generate the images in the exam defined by the left Select Set button.</li><li>8. Optional: Click New Save Series to repeat the add/subtract procedure with a new series number and description.</li></ol>				
Chapter 13		ACT imaging	ACT	What are the procedures to create a new image set using add/subtract?					
Chapter 13		ACT imaging	ACT	How to combine/bind a series of images?					

