

Viewing Images in Physician Portal

The screenshot shows the Physician Portal interface. On the left, there is a search bar with 'IMS' entered and a search button. Below it, a 'Search Results' section shows '15 results found for "IMS"'. A table lists search results with columns for Institution Patient ID, Patient, Date of Birth, and Age. The patient 'Imsqqa12147, Imsqqa' is highlighted. On the right, a patient record for 'Imsqqa12147, Imsqqa' is displayed, including fields for DOB, Gender, Institution Patient ID, Patient ID, and a 'See all patient exams (1)' button. Below the patient record, there are buttons for 'View PDF', 'Launch Image Viewer', 'Grant Access...', and 'EMR'. A thumbnail image of a chest X-ray is visible, with a line pointing to it from the instruction below.

1. Open the order that you want to view.














2. Click a thumbnail to view the images in Enterprise Viewer.

















Using the Interface







The screenshot shows the Enterprise Viewer interface with several annotations:

- A yellow star indicates current study**: Points to a star icon on the study list.
- Grey outline indicates a series in an unselected viewport**: Points to a grey border around a thumbnail in the list.
- To close a study**: Points to a close button (X) on the study list.
- Prior studies are distinguished with a colour scheme**: Points to different colored icons on the study list.
- Prior studies list**: Click the pin icon to pin the study to the thumbnail strip.
- Show or hide the viewport text overlay (O)**: Points to a small 'O' icon in the top right of a viewport.
- To view images, drag images from the thumbnail strip to the viewport**: Points to a drag action from a thumbnail to a viewport.
- To navigate through the study, press the Right Arrow/Left Arrow key or move the mouse wheel Up/Down to view the Next/Previous page of the series**: Points to navigation controls.
- Viewports**: Points to the main image display areas.
- Yellow outline indicates the selected viewport**: Points to a yellow border around the active viewport.

Toolbar Functions - General Viewer

Icon	Shortcut	Function
	S	Stack images.
	Tool: W Presets: ALT+3 (Chest); ALT+4 (Abd/Pel); ALT+5 (Lung); ALT+6 (Brain); ALT+7 (Bone); ALT+8 (Head/Neck)	Adjust the window level manually by using the Window Level tool, or select a window level preset* for CT images.
	I	Invert the colors for the image in selected viewport.
	SHIFT+H / SHIFT+V	Flip the image in selected viewport horizontally/vertically.
	, (comma) / . (period)	Rotate the image in selected viewport 90 degrees to the left/right.
	M	Measure straight lines. Drag the mouse cursor from the start point to the end point of the line segment.
	SHIFT+E	Measure elliptical regions. Position the mouse cursor over the image location and draw an ellipse or use the SHIFT key to draw a circle. Relevant measurements appear next to the ellipse.
	SHIFT+A	Measure simple angles. Drag the mouse cursor to draw the first line segment and click the end point of the angled segment.
	SHIFT+C	Measure cobb angles. Drag the mouse cursor to draw the first line segment and then drag to draw the second line segment.
	SHIFT+O	Measure the size of an irregular area (such as a lesion). Drag the primary line from the starting point to create the measurement. The orthogonal line adds automatically. You can also move, re-size or rotate the lines. The lines always remain orthogonal.
	X	Measure the pixel intensity and color values. Position the mouse cursor over the image location.
	A	Draw an arrow pointing to a specific region in an image. Drag the mouse cursor from the tail to the head of the arrow. Also, click the arrow to add annotations in the text box that appears.
	ALT + T	Add text annotation to an image. Click the image to add text in the text box that appears. You can also edit and move the text

Icon	Shortcut	Function
		annotation you created.
	SHIFT + L	Add a label to various types of vertebrae (C, L, T, S) in an image in the saggital plane in the viewport. You can also move the markers and labels you added.
	C	Activate or deactivate the 3D Cursor tool.
	R	Show or hide reference lines.
	SHIFT+S	Activate or deactivate the Super Stacking tool.
	L	Activate or deactivate the Auto Linked Stacking tool, or use the drop-down menu to enable or disable the DICOM Registration Data option.
	n/a	Activate or deactivate the Manual Linked Stacking tool.
	Series layouts: 1 (1x1); 2 (1x2); SHIFT+2 (2x1); 3 (1x3); SHIFT+3 (3x1); 4 (2x2); 5 (2x3); SHIFT+5 (3x2); 6 (3x3); 7 (3x4); SHIFT+7 (4x3); 8 (4x4); 9 (3x6); SHIFT+9 (6x3)	Change the series viewport layout, or the image viewport layout (US only).
	O	Show or hide the text overlay.
	H	View, download, and copy DICOM metadata for the selected viewport.
	T	Activate/deactivate Distraction Free mode to hide/show the toolbar, Study list, and Thumbnail strip (4.14.1.EV.1.3.16 or later).
	F	Activate/deactivate full-screen mode.
	Y	Apply or clear presentation states, or use the drop-down menu to set whether to apply or clear presentation states by default.
	CTRL+S	Click to Save the Presentation State
	n/a	Click to delete one or more images from a series across one. Stack through the image you wish to delete in a viewport and click the "Select image for deletion" icon.
	n/a	Open the selected viewport dataset in Advanced Visualization mode.
	CTRL+U	Customize various preferences such as interface behavior and display options for markup tools.

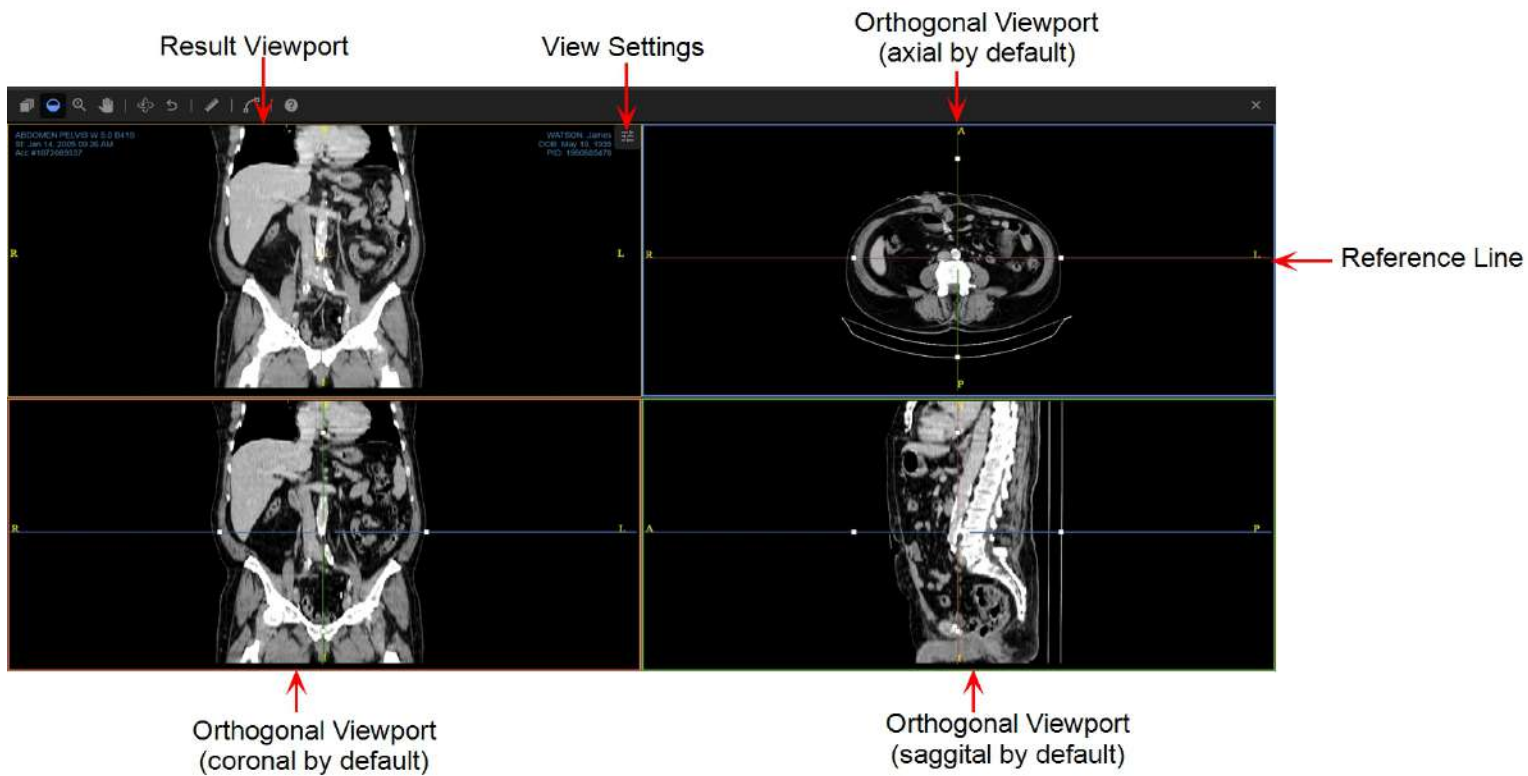
Icon	Shortcut	Function
	n/a	Start a collaboration session with other users. Click the icon to generate a URL link that you share with the guests who want to join the collaboration session.
	SHIFT+D	Download the image in the selected viewport.
	ALT+P	Print the image in the selected viewport.
	n/a	Launches the OnlineHelp at the topic relevant to the current tool.
	n/a	Open the About dialog, Online Help, New Features dialog, Release Notes, Quick Reference Card, and User Acceptance Testing (UAT) results.
	n/a	Close Enterprise Viewer and return to the portal Case Viewer.

*Requires IntelPACS 4.12.1 R39 or later, 4.13.1 R20 or later, or 4.14.1 R15 or later.

**Requires IntelPACS 4.12.1 R55 or later, 4.14.1 R35 or later, 4.15.1 R20 or later, or 4.16.1 R7 or later.

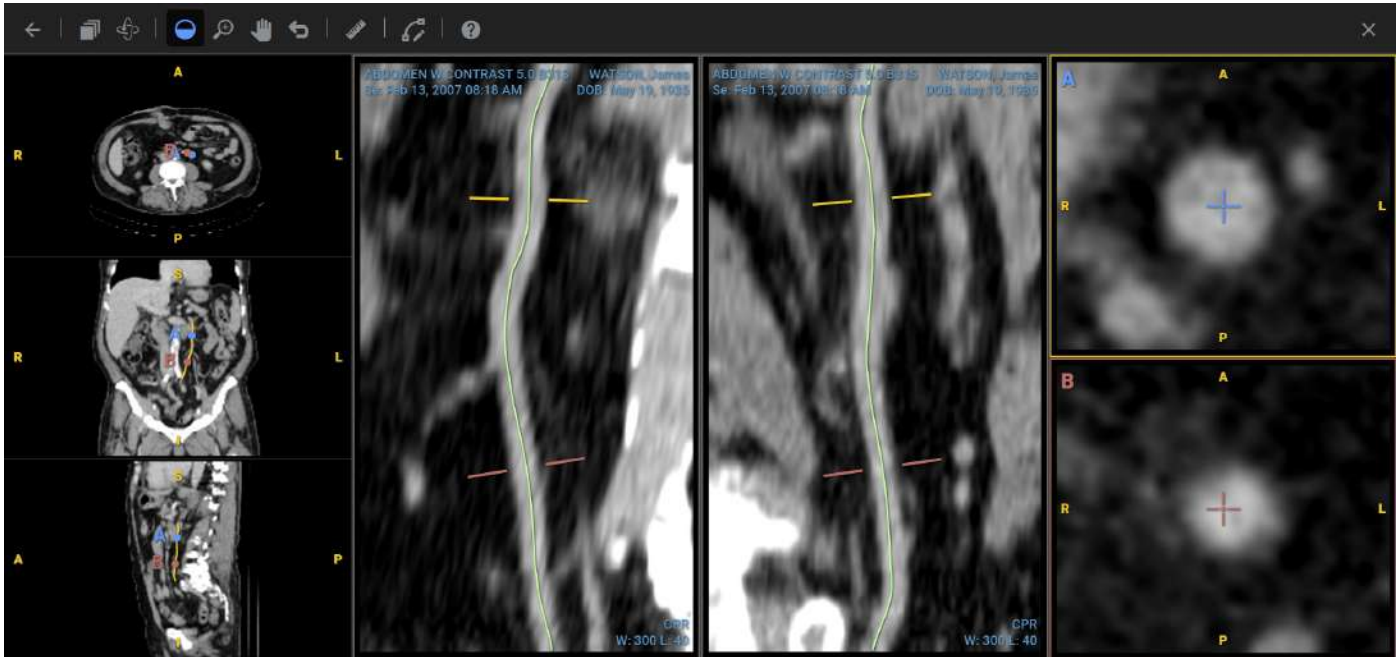
***An internet connection to Amazon Web Services is required to set the presentation-state default.

Toolbar Functions - Advanced Visualization Viewer



Icon	Shortcut	Function
	S	Scroll through images. Click and drag or rotate the mouse wheel, move the viewport scroll bar, or press the UP ARROW and DOWN ARROW keys.
	W	Adjust the window level .
	Z	Zoom all images in the selected viewport. Click and drag up/down to increase/decrease the magnification level.
	P	Pan all images in the selected viewport. Click and drag the viewport image to the desired location.
	SHIFT+O	Rotate the image to change the oblique plane.
	B	Reset all manipulations.
	M	Draw a Linear Measurement.
	SHIFT+P	Create Centerline Points
	n/a	Open the Online Help
	n/a	Close the Advanced Visualization Viewer and return to the main Enterprise Viewer.

Toolbar Functions - CPR Viewer



Icon	Shortcut	Function
	n/a	Go back to the Advanced Visualization Viewer.
	S	Scroll through images. Click and drag or rotate the mouse wheel, move the viewport scroll bar, or press the UP ARROW and DOWN ARROW keys.
	SHIFT+O	Rotate the image to change the oblique plane.
	W	Adjust the window level .
	Z	Zoom all images in the selected viewport. Click and drag up/down to increase/decrease the magnification level.
	P	Pan all images in the selected viewport. Click and drag the viewport image to the desired location.
	B	Reset all manipulations.
	M	Draw a linear measurement.
	SHIFT+P	Edit the centerline.
	n/a	Open the Online Help.
	n/a	Close the CPR Viewer and return to the Advanced Visualization Viewer.