Quick Reference: IMPAX Volume Viewing MIP/MPR

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Launching the application

- 1. Open a study for display in IMPAX Image area.
- 2. Click the Volume Viewing icon. If relevant, the Series Selection Box opens.
- 3. Select one series and click OK. The application opens in Viewing mode with the selected series displayed.

Image manipulations

	Action
Scroll	Hold down the left mouse button and drag the mouse up/down. Or use the mouse scroll wheel.
Zoom	Select the zoom tool [*] , and use the mouse scroll wheel. Or hold down the right mouse button and drag the mouse up/down.
Pan	Select the zoom tool [*] , hold down the left mouse button and drag the mouse up/down. Or hold down both left and right mouse buttons and drag the mouse up/down.
W/L	Select the W/L tool [*] , left click on the image and move the mouse, then right click to exit. Or hold down the middle mouse button and drag the mouse.
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* The zoom tool 22 and window/level tool 22 can be selected from the top toolbar or the right-mouse-click menu.

Using Window/Level presets

The application also contains a set of default W/L presets. You can access and configure these presets by right clicking the W/L icon in the top toolbar.

Changing	the	crosshairs
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- You can show/hide the crosshairs by clicking the **Cursor Mode** button in the left toolbar, or by pressing 'X' on the keyboard.
- You can change the gap size of the crosshairs by moving the **Crosshair slider**.



Placing Mark-ups

It is possible to place mark-ups on the images.

1. Click the arrow next to the **Mark-up** button in the top toolbar.



5 mm

- 2. Select one of the mark-up options in the dropdown menu.
- 3. Place the selected mark-up on the image.
- 4. Right-mouse-click to attach the mark-up to the image.

Changing projection method and slab thickness

Move the mouse cursor to the bottom of a viewport, and...

- 1. select a **projection method** from the dropdown menu.
- 2. move the slice thickness slider.

Pressing a number on the keyboard will also set the slice thickness (in mm).

Performing (double) oblique MPR

- 1. Move the mouse cursor over the outer end of a crosshair, until the cursor indicates the rotate action.
- 2. Hold down the left mouse button and drag the mouse to rotate the crosshairs.

Creating secondary captures

- 1. To capture a single viewport, select **Create capture** from the right-mouse-click menu.
- 2. To capture all viewports, select **Create capture of full screen** from the right-mouse-click menu.

To delete a capture, select it in the Captures panel, and press 'Delete' on the keyboard.

Click the **Save to PACS** button in the Captures panel to save the secondary captures as a new series of images.

Performing curved reformations

- 1. Select the **CPR mode** from the top toolbar.
- 2. Activate the **curve tool** on the top toolbar.
- 3. Click on the MPR to draw the curve.
- 4. Finish drawing the curve with a rightmouse-click.
- 5. Activate the **curve tool** again to restart drawing the curve.



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Reformatting Mode

In **Reformatting** mode, you can create new a series of images (with different slice orientation and thickness), and save it to IMPAX.

- 1. Select the **Reformatting** mode from the top toolbar.
- Change the slice settings (slice thickness, number of slices, orientation, etc.) in the top toolbar. The resulting new series is displayed in the top-left viewport.

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PACS

- 3. Use the clipping planes and crosshairs to adjust the size and orientation of the reformatted volume.
- 4. Save the reformatted series by clicking the **Save to PACS** button.
- 5. Enter a series description and click **OK**.

Alternatively, in **Viewing** mode, select **Export series** from the right-mouse-click menu to copy the MPR settings to **Reformatting** mode.

Closing the application

Click the **Close** button on the top toolbar. The application also closes when you navigate to another patient in IMPAX.

Keyboard shortcuts

- F1 F12Apply window/level presetsXShow / hide crosshairsZZoom & pan mode0 9Set slice thickness
- 0 9 Set suce thickness
- A, C, S Set view to axial, coronal, sagittal

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	General		log	
*	Show / hide crosshairs.			
÷	Window/level (presets).	0	мі	P/MPR Viewing mode
A	Text annotation.		Sele	ect a screen layout.
E	Distance measurement.			
☆.	Angle measurement.		Ref	ormatting mode
0	Circular ROI.	10	Set	the reformatted dataset to axial slices.
$\langle \zeta \rangle$	Polygon ROI.		Set	the reformatted dataset to coronal slices.
7	Arrow annotation.	1	Set	the reformatted dataset to sagittal slices.
Ø	Delete annotation.		Link	x / unlink slice thickness and distance.
Ð	Reset the images to their initial state.		_	·
? _	Show / hide demographics.	<u></u>		ert the slice ordering.
L L L L L L L L L L L L L L L L L L L	Show / hide mark-ups.	PA	Sen	d reformatted series to IMPAX.
8	Open the online help in a web browser.		_	
عر	Open the configuration dialog.	\$	Cu	ved Planar Reformat (CPR) mode
•	Minimize the application.		Dra	w or redraw the curve.
×	Close the application.			
i	Open the About dialog.			