

Abbreviations

Abbreviation	Explanation
3D-CA	3-Dimensional Coronary Angiography
3D-RA	3-Dimensional Rotational Angiography
CT	Computed Tomography
DICOM	Digital Imaging and Communications in Medicine
DXR	Diagnostic X-ray
IAC	Internal Auditory Canal
MIP	Maximum Intensity Projection
MPR	Multi-planar Reformatting
MR	Magnetic Resonance
NM	Nuclear Medicine
PET	Positron Emission Tomography
P.F.	Posterior Fossa
ROI	Region of Interest
SPECT	Single Photon Emission Computed Tomography
SUV	Standard Uptake Value
VOI	Volume of Interest
XA	X-ray Angiography

Appendix

Direct Mouse Manipulation

You can switch between the following interaction tools using the Common tools panel. Alternatively, you can use direct mouse manipulation shortcuts to enable a tool using the mouse button combination described here.

Tool	Mouse button
	Scroll This is the default tool when viewing a 2D view (left mouse button)
	Pan Direct mouse manipulation shortcut: Left + Middle

Tool	Mouse button
	<p>Zoom</p> <ul style="list-style-type: none"> • This is the default tool when viewing a single 2D image (left mouse button) • Direct mouse manipulation shortcut: Right + Middle
	<p>Roll / Rotate</p> <ul style="list-style-type: none"> • This is the default tool when viewing a 3D view (left mouse button) • Direct mouse manipulation shortcut: Left + Right
	<p>Widnowing</p> <ul style="list-style-type: none"> • Direct mouse manipulation shortcut: Middle • If the image is a PET or SPECT image, then the upper level / lower level windowing model is used instead of window width and level

When you enable a direct mouse manipulation shortcut, it is active for the duration that you press the mouse buttons.

When you switch between these interaction tools explicitly using the Common tools panel, the interaction mode is changed for all views that support that interaction. The interaction mode does not change for other views. The active interaction mode for any view is indicated by the pointer when it is moved over a view.

Shortcut menus

Series panel shortcut menu

Item	
	<p>Open / Replace</p> <p>Opens a new view in an empty tile or replaces the active view.</p>
	<p>Add As Tabbed View</p> <p>Opens the selected series in a new tabbed view in the tile of the current active view.</p>
	<p>Add 2D Slice View</p> <p>Opens or adds the series as a 2D slice view. If the corresponding series is already displayed in any review mode, then add as a tab in the same container, or else in an empty tile (if available), or else as a tab in the current tab container.</p>
	<p>Add Thin Slab / MPR View</p> <p>Open/add as a slab. If the corresponding series is already displayed in any review mode, then add as a tab in the same container, or else in an empty tile (if any), or else as a tab in the current tab container.</p>

Item	
	Add Volume / MIP View Open/add as an entire volume MIP. If the corresponding series is already displayed in any review mode, then add as a tab in the same container, or else in an empty tile (if any), or else as a tab in the current tab container.
	Add 3D / Ortho View (MR viewing only) Open/add as a 3D view composed of three perpendicular planes. If the corresponding series is already displayed in any review mode, then add as a tab in the same container, or else in an empty tile (if available), or else as a tab in the current tab container
	Layout protocols (Fusion viewing only) Opens the Protocol Selection panel so that you select a layout protocol and add the selected series as a multi-series view. It is not necessary to indicate a floating series or reference series; the configuration of the view is determined according to typical fusion viewing settings for the selected series. For example, if NM and CT series are present, the NM series is defined as the floating series.
	Add As Reference Series (underlay) (Fusion viewing only) This option is available if the floating series / reference series configuration cannot be determined automatically. Creates a fused view in the active view, or replaces the reference series if it is already open. The default layout protocol related to the new combination of fused series is applied. You can change the layout protocol using the Protocol Selection panel.
	Add As Floating Series (overlay) (Fusion viewing only) This option is available if the floating series / reference series configuration cannot be determined automatically. Creates a fused view in the active view, or replaces the floating series if it is already open. The default layout protocol related to the new combination of fused series is applied. You can change the layout protocol using the Protocol Selection panel.
	MobiView MPR (Option for multistation MR data only) If the MobiView option is installed, this option creates a MobiView slab as a new view, or as a tabbed view if the series is already open.
	MobiView MIP (Option for multistation MR data only) If the MobiView option is installed, this option creates a MobiView volume as a new view, or as a tabbed view if the series is already open.
	Analysis Application Available applications are displayed in a submenu, depending on your installation.

Image shortcut menu

Item (with keyboard shortcut and submenu, if available)	
	Scroll For 3D viewing, you can also use this tool to change the slab thickness
	Pan
	Zoom
	Roll/Rotate 3D viewing only
	Gray Level
	Alpha Blend Fusion viewing only
	Add 2D Slice View Adds a new tabbed view in the tab container
	Add Thin Slab / MPR View Adds a new tabbed view in the tab container
	Add Volume / MIP View Adds a new tabbed view in the tab container
	Add 3D / Ortho View (MR viewing only) Adds a new tabbed view in the tab container
	MobiView MPR (Option for multistation MR data only) If the MobiView option is installed, this option creates a MobiView slab as a new view, or as a tabbed view if the series is already open
	MobiView MIP (Option for multistation MR data only) If the MobiView option is installed, this option creates a MobiView volume as a new view, or as a tabbed view if the series is already open
	Fusion Turns Fusion on or off
	Select Underlay
	Axial Feet A

Item (with keyboard shortcut and submenu, if available)		
	Coronal Front	C
	Sagittal Left	S
	Play	PAUSE
	2D viewing only	
	Layout	
	For 2D views	
	Layout 1 x 1	
	Layout 1 x 2	
	Layout 2 x 1	
	Layout 2 x 2	
	Layout 3 x 3	
	Layout 4 x 4	
	Layout 2 + 1 + 1	
	Layout 1 + 1 + 1 + 2	
	Add row	CTRL +DOWN
	Remove row	CTRL +UP
	Add column	CTRL +RIGHT
	Remove column	CTRL +LEFT
	Automatic	
	Layout	
	For 3D views	
	References at Right	

Item (with keyboard shortcut and submenu, if available)		
		References at Bottom
		1x1
		No reference images
		1x2
		Main with original
		2x2
		Main with 3 references
Apply Window To	All Echoes	
You can use this menu item to control how windowing is propagated to dimensions	All Slices	
	Remove Graphics	
	Select Color Map	Available color maps are displayed in a submenu
	MR (original images), PET, or NM series only	
	For MR series, this function is also available for derived images that contain windowing and quantitative information.	
	Color Scale	
	PET or NM series only	
	Save Image Viewing Settings	CTRL+S
	Reset All	CTRL+R
	Align Other Views	Aligns other views to the selected view (source view)
	Center Rotation Point	
	3D viewing only, right-click the rotation point to display this shortcut option	
	Reset Rotation Point	
	3D viewing only, right-click the rotation point to display this shortcut option	

Item (with keyboard shortcut and submenu, if available)	
	Create SUV ROI Creates a volume measurement at the mouse pointer position using the SUV Threshold method
	Create Percent of Max ROI Creates a volume measurement at the mouse pointer position using the Percentage of Maximum Value method
	Hide/Show Bitmap Overlays Hides or shows graphics overlays that have been created on a different system
	Align View To Grid (Spectroscopy)
	Show Quality Indicator (Spectroscopy) Right-click the grid to display this shortcut option
	Show Mini Spectra (Spectroscopy) Right-click the grid to display this shortcut option
	Swap Main and Chart (Spectroscopy) Swaps the results analysis graph between a reference view and the main viewport, right-click the main viewport or the reference view to display this option
	Show Actual Spectrum (Spectroscopy) Displays the line representing raw data (yellow line)
	Show Fitted Spectrum (Spectroscopy) Displays the smoothed line representing processed data for the selected metabolites (light blue line)
	Show Fixed Baseline (Spectroscopy) Displays the baseline of the fitted spectrum (orange line)

Graphics shortcut menu

Item (with keyboard shortcut, if available)	Description
	Align View To Measurement Rotates the view so that the measurement is parallel with the viewing plane.
	Text Label Hides or shows the text label of the selected measurement.

Item (with keyboard shortcut, if available)	Description
 Color 	Opens a submenu of standard colors. You can select a color from the standard Windows color picker by selecting Custom
 Properties 	Opens the Graphics and Text Properties panel. You can use this panel to change the appearance of graphics and to change the font settings.
 Cut CTRL+X	Cuts the selected graphics, to be pasted to another image
 Copy CTRL+C	Copies the selected graphics, to be pasted to another image via the image shortcut menu or with Ctrl+V
 Delete DELETE	Deletes the selected graphics
 Hide Selection	Hides the selected graphics, to be restored via the show/hide graphics function in the side-panel.
 Voxel Value Right-click a point marker to display this shortcut option	Hides or shows the value of the point.
 3D Location Right-click a point marker to display this shortcut option	Hides or shows the coordinates of the point using the DICOM patient coordinate system.
 VOI Measurements Right-click a volume measurement to display this shortcut option	Hides or shows the volume measurement information of the selected measurement.
 Remove ROI Right-click a volume measurement to display this shortcut option	Deletes the selected volume measurement.

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Item (with keyboard shortcut, if available)	Description
	<p>Longest Diameter Right-Click an MR segmentation to display this shortcut option</p>
Show	Displays the location of the selected object in the main viewport.

Keyboard Shortcuts

Group	Shortcut	Action
Orientation	A	Axial view (in MIP/MPR)
	C	Coronal view (in MIP/MPR)
	S	Sagittal view (in MIP/MPR)
Annotation	D	Activate the line measurement tool
Save	<Shift>+D	Save Display As ...
	<Shift>+S	Save Selected Image(s) As ...
Viewing Tools	CTRL+I	Image information level
	CTRL+R	Reset to last presentation state
	CTRL+DOWN ARROW	Add row to layout
	CTRL+UP ARROW	Remove last row
	CTRL+RIGHT ARROW	Add column to layout
	CTRL+LEFT ARROW	Remove last column
	DOWN ARROW	Scroll one row down
	UP ARROW	Scroll one row up
	RIGHT ARROW	Scroll one column right / next image
	LEFT ARROW	Scroll one column left / previous image
	CTRL+SHIFT+DOWN ARROW	Scroll down in the third dimension
	CTRL+SHIFT+UP ARROW	Scroll up in the third dimension
	PAGE UP	Page up
	PAGE DOWN	Page down
	CTRL+PAGE UP	Page to the right
	CTRL+PAGE DOWN	Page to the left

Group	Shortcut	Action
	HOME	Go to the first image
	END	Go to the last image
	CTRL+HOME	Go to the first image in all dimensions
	CTRL+END	Go to the last image in all dimensions
	PAUSE	Pause / resume movie
Standard	CTRL+A	Select all graphics in view (if any)
	CTRL+C	Copy selected graphics
	CTRL+V	Paste copied graphics
	CTRL+X	Cut selected graphic
	DELETE	Delete selected graphic
	CTRL+SHIFT+A	Deselect all graphics and tags in view
Key Image	SPACE	Add the current image as a Key Image
	SHIFT+SPACE	Add the whole display as a Key Image
Windowing	0	Preset window: Colon
	1	Preset window: P.F.
	2	Preset window: Brain
	3	Preset window: IAC
	4	Preset window: Spine
	5	Preset window: Bone
	6	Preset window: Lung
	7	Preset window: Abdomen
	8	Preset window: Liver
	9	Preset window: Cardiac
Film	F	Add selected image(s) to film sheet

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