

MonacoPRO. OCT Analysis Advanced Features



Purpose

This document provides guidance on additional, advanced, OCT analysis features for *MonacoPro*.

NOTE: Full operating instructions and device warning and cautionary messaging are provided in the Instructions for Use (IFU). Please review the IFU prior to operating the device. The IFU is found at optos.com/IFU. Scan the QR Code below for direct access:



Not all products, services, or offers are approved or available in every market. Approved labeling and instructions may vary from one country to another. For country specific product information, see the appropriate country website or Instructions for Use.

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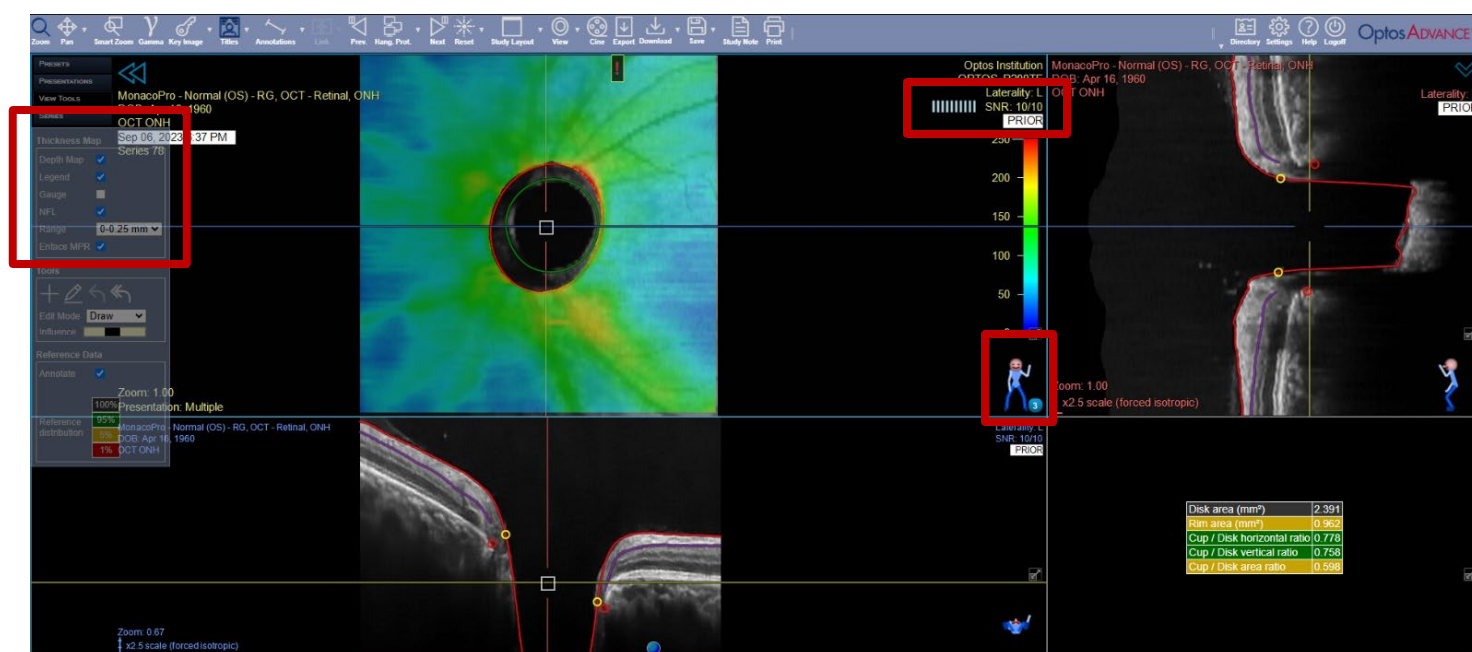
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OCT MPR/Enface Views Overview

- Clinical uses of MPR/Enface views are for advanced pathologies like tumors, AMD at the junction of the IS/OS, Geographic Atrophy, and Diabetic Retinopathy-progressive degeneration. MPR views add clinical value that is not available in the cross-sectional views.
- MPR Views are used when viewing scans need better alignment on a diagonal instead of 90° or 180°.

Activating MPR Tools View

- 1 | Review your scans to identify the quality:
 - a. Ensure red circle is aligned on the optic disc.
 - b. Review for movement or blink errors, as indicated in the bottom left of the viewport.
 - c. Review Signal to Noise Ratio (SNR). SNR values 6/10 and higher display clearer B-Scan views.
 - d. Ensure image is clear with a clean looking optic nerve.
- 2 | Select **View Tools** from the left side menu and activate **Enface MPR** option.
- 3 | Notice the stick man in a face up position when in Enface/MPR view. The orientation symbols in OptosAdvance™ are shown below.



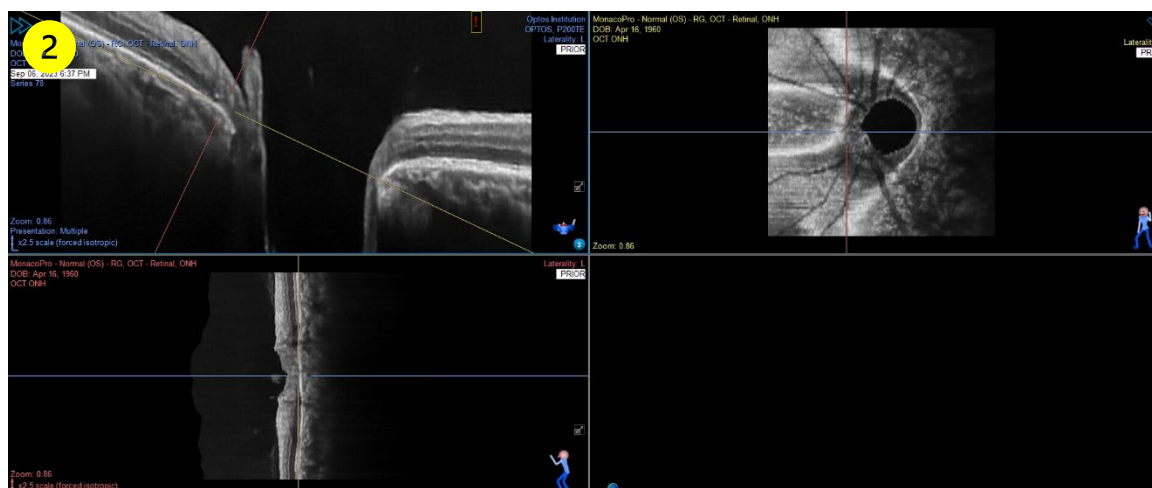
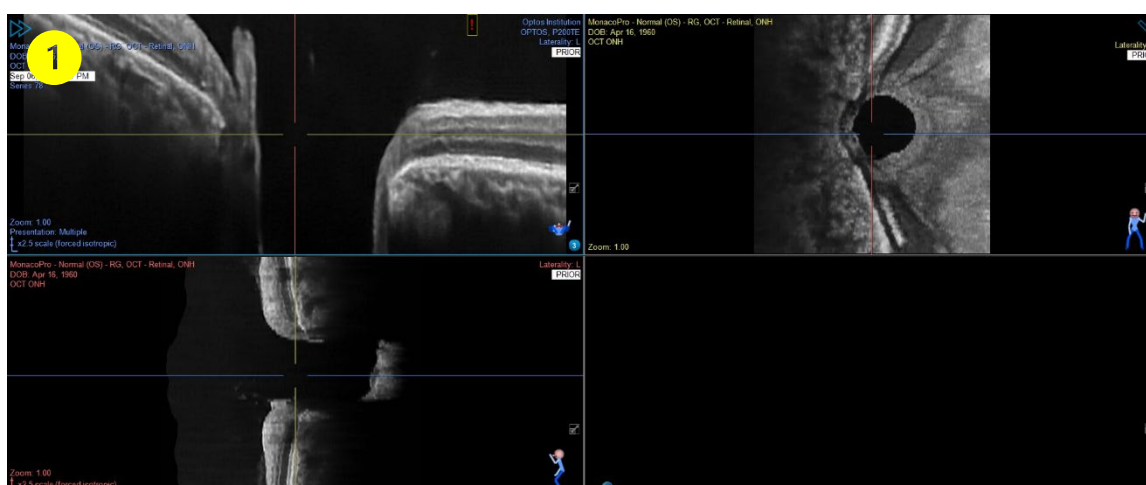
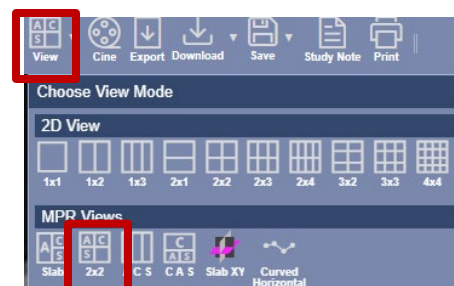
	Axial Figure standing on head (feet up)
	Sagittal Figure standing sideways
	Coronal / Enface Figure facing forward

Viewing Scans using MPR Views

1 | Select **View** from the toolbar and then **2x2** MPR View.

2 | In this view (Image 1), you can:

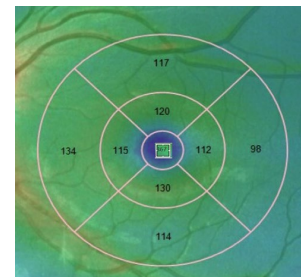
- Rotate the horizontal yellow line by hovering your mouse near the edge of the top left viewport yellow line until a rotate icon appears. Rotate the line to the desired location.
- Move the yellow line up and down by dragging the yellow line to the desired location.
- Change the center location by dragging the intersection of the yellow and red lines to the desired location.
- The MPR views in the top right and bottom left viewports will adjust according to where you place your yellow and red lines. (Image 2)



Editing Grid Alignment

This function is performed if the grid is not centered on the fovea.

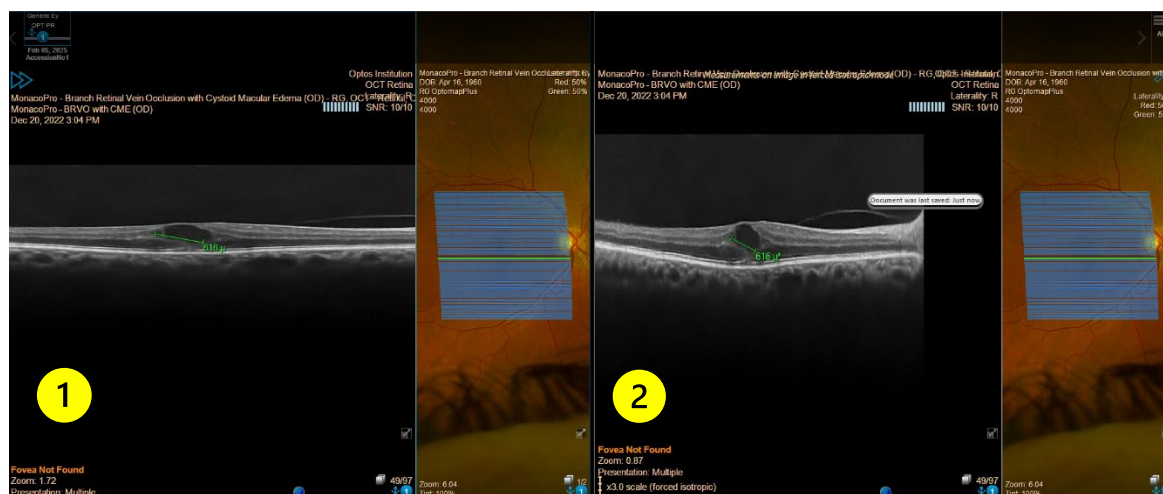
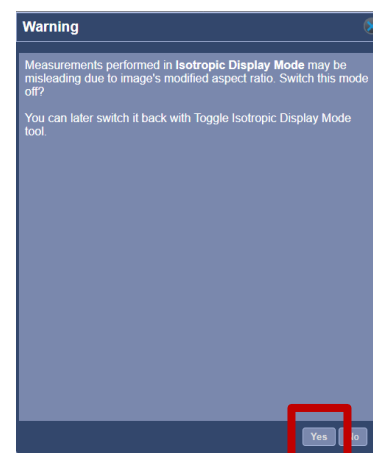
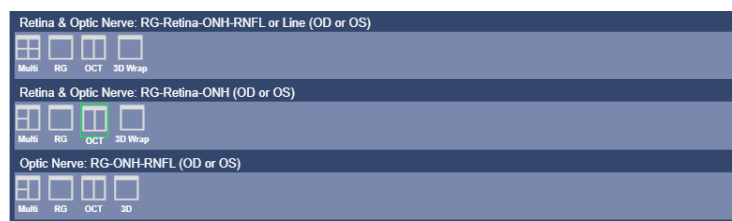
- 1 | Hover over the center of the grid until you see a square appear.
- 2 | Drag the box to the desired location.



Isotropic Measurements

This function is used when manually measuring OCT B-scans. OCT scans are displayed using a forced isotropic view to allow visualization of the retinal layers. Isotropic display must be turned off to allow proper aspect visualization of manual B-scan measurements.

- 1 | Open the desired non-segmented OCT view from the **Hanging Protocol** dropdown menu from the toolbar.
- 2 | Turn off dotted lines by selecting **Titles** from the toolbar and deselecting **Segmentation Overlay**.
- 3 | Scroll through B-scans to find the view to measure.
- 4 | Select **Annotations** from the toolbar and choose **Ruler**.
- 5 | A Warning box will appear to change the aspect ratio. Select **Yes**. The B-scan will appear flattened. Zoom and Pan as needed.
- 6 | Manually draw your desired measurement in the correct aspect ratio. Below is an example of the 1:1 scale (1) and default Forced Isotropic View (2).
- 7 | To toggle back to the forced isotropic view, select the **Isotropic** icon on the toolbar.



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Redrawing Segmentation Lines

If the segmentation line is not in the correct location, it can be manually adjusted.

- 1 | Select **View Tools** from the left-hand menu.
- 2 | Select the **Edit Pencil** icon in Tools.
- 3 | From the **Edit Mode** dropdown choose **Draw** to redraw the segmentation line or **Drag** to adjust the automated segmentation line.
Note: For small adjustments, **Drag** is suggested.
- 4 | ETDRS Grid and Data Table will update accordingly.

Example:

- Image 1: Red line on macula not in correct position.
- Image 2: Red line redrawn using steps outlined above.

