FOURIER DOMAIN OCT

RTVue®

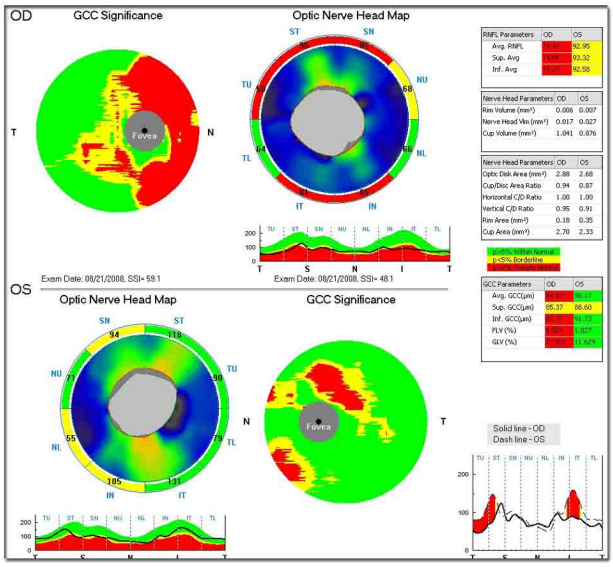
in-vivo histology

GLAUCOMA

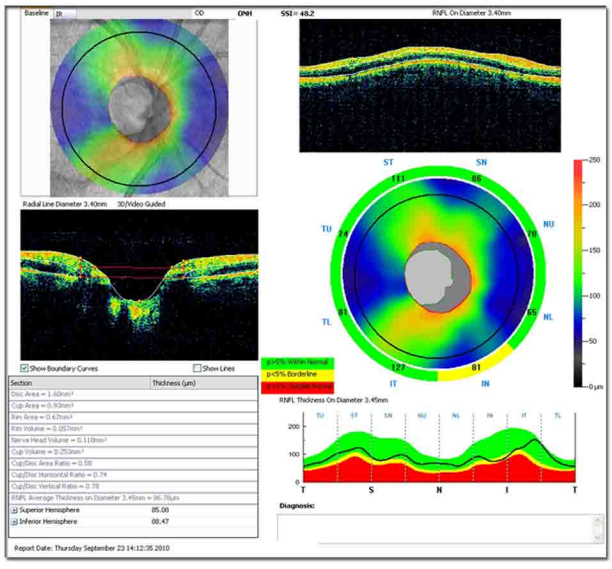
the MOST COMPREHENSIVE OCT

The "Original" Ganglion Cell Complex (GCC®) Analysis
The Only Normative Database adjusting for Age, Optic Disc size* and Scan Signal Strength

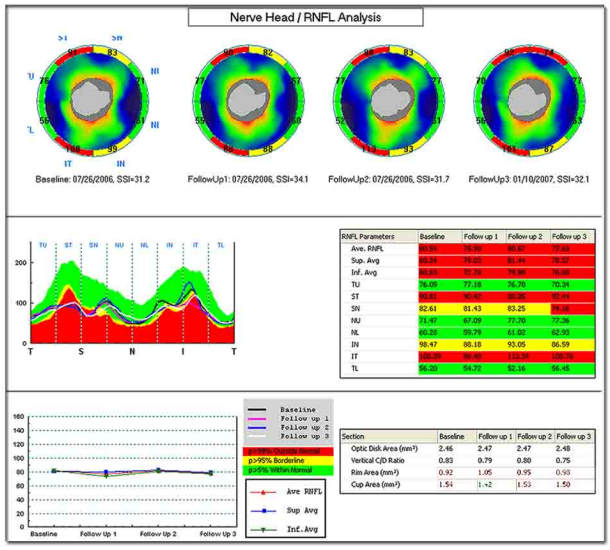
The RTVue® SD-OCT is the first OCT device to offer complete and comprehensive glaucoma analysis including RNFL thickness map, optic disc morphology (Cup and Rim) and a proven unique Ganglion Cell Complex map in the macula.



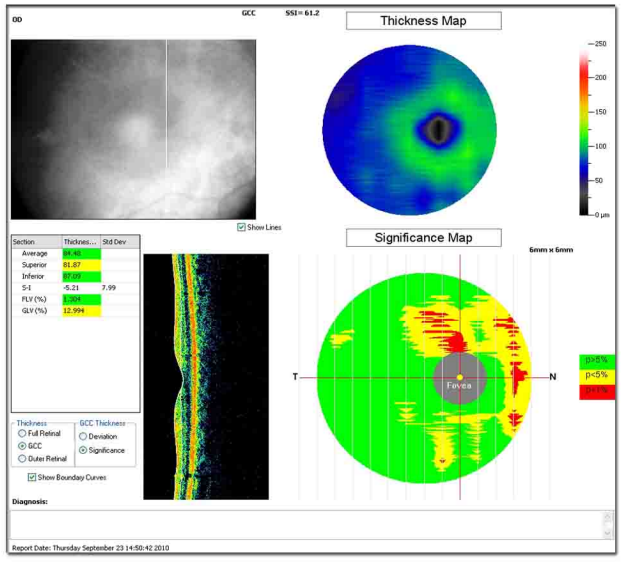
The Optic Nerve Head (ONH) scan provides complete analysis of the para papillary RNFL at 3.45mm, NFL thickness map out to 4.9 mm, and complete Optic Nerve Head metric analysis.



** for ONH Scan.*



The Change Analysis Report for the ONH scan utilizes vessel tracing and center-of-the-disc to register RNFL thickness data over time along with comparison to the Normative Database.



The Ganglion Cell Complex (GCC) Analysis directly measures the inner retina including retinal nerve fiber layer, the ganglion cell layer, and inner plexiform layer. In addition to thickness mapping, a patented Significance Map with Normative Database comparison is provided as well as Focal Loss Volume (FLV) and Global Loss Volume (GLV) metrics that detect localized and diffuse loss over the GCC map.

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Reports and Prints for GLAUCOMA

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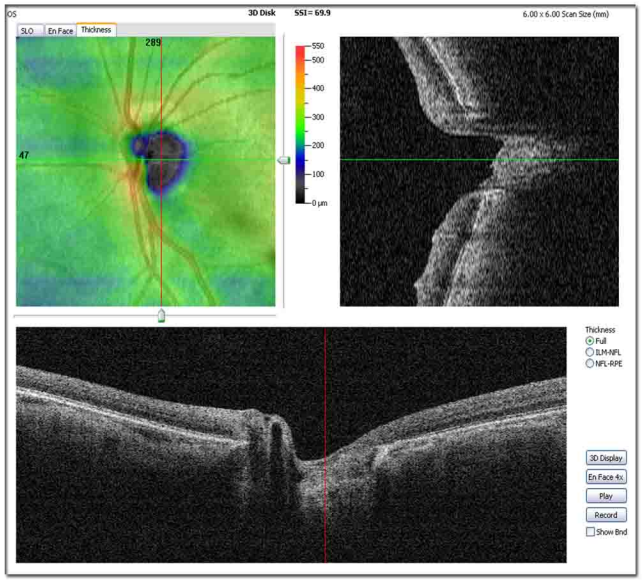
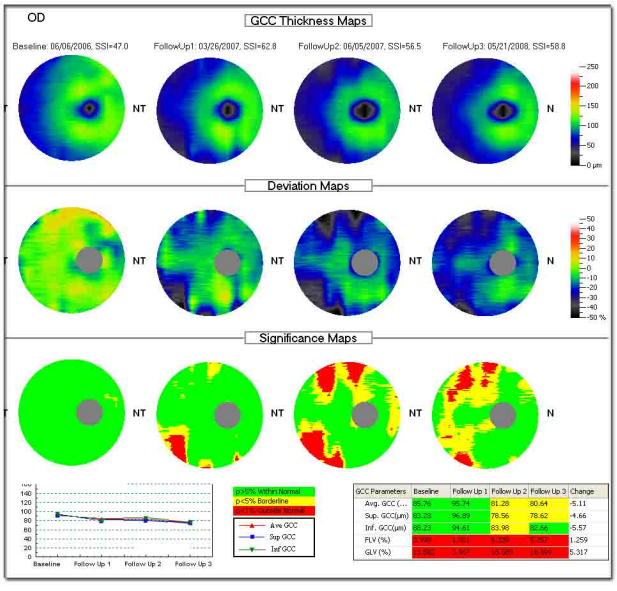
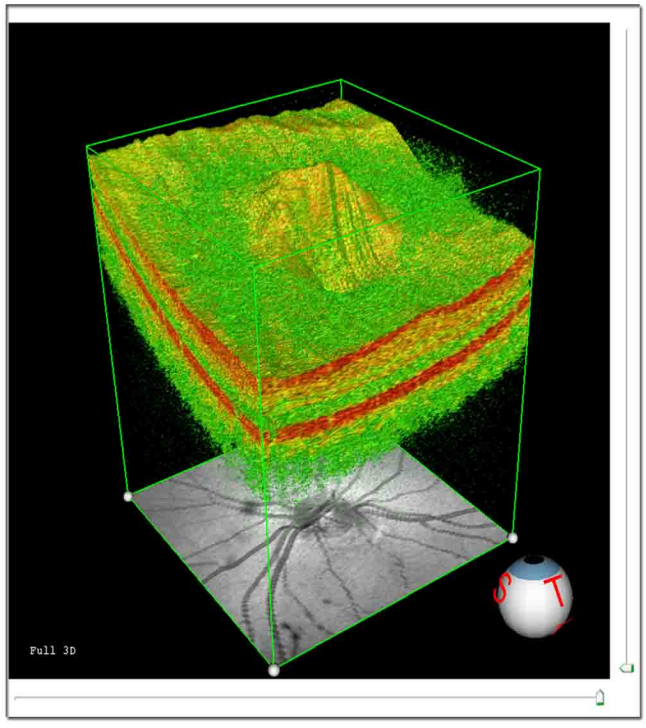
The 3D optic disc scan provides an interactive evaluation of the 3D image and precise determination of the disc boundary. The en face option provides a new perspective on a "top down" view of the optic nerve, including visualization of the Lamina Cribrosa.
En face view is available as well as an animation of the 3D cube which can be exported as a video.

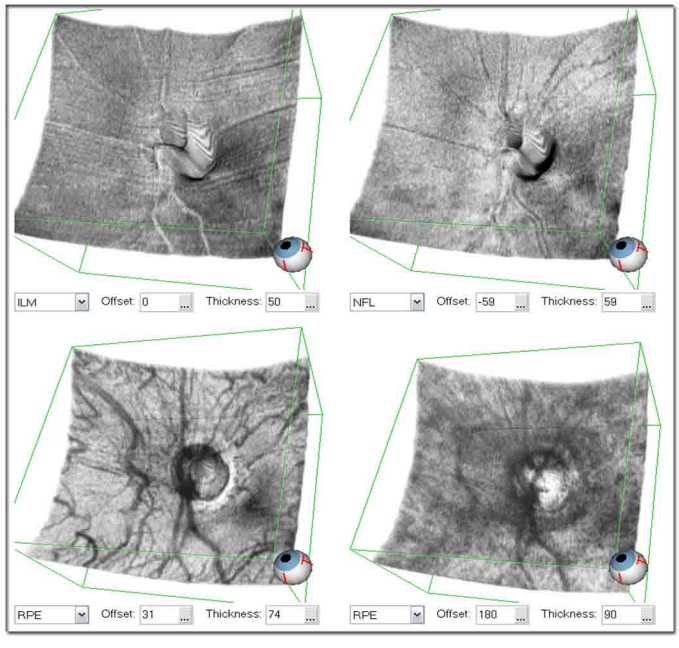


The GCC Change Analysis report shows change-over-time for ganglion cell complex thickness as well as Significance mapping with Normative Database comparison.





The 3D Volume analysis allows for clear visualization and precise measurement of multiple retinal layers. The 3D Volume also provides visualization of the vitreous above the ILM, and optic nerve schisis.



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Defining the OCT Revolution