



REVO nx

The World's fastest oCT

as simple as pressing *the start button*



OPTOPOL
technology

REVO *lution continues*

Optopol engineering team, designers of the first commercially available Spectral Domain OCT in the world, are proud to present the World's fastest OCT.

Our supreme experience in Spectral Domain OCT allows us to provide the market with the state of the art instrument, offering advanced technologies and remarkable simplicity of operation.

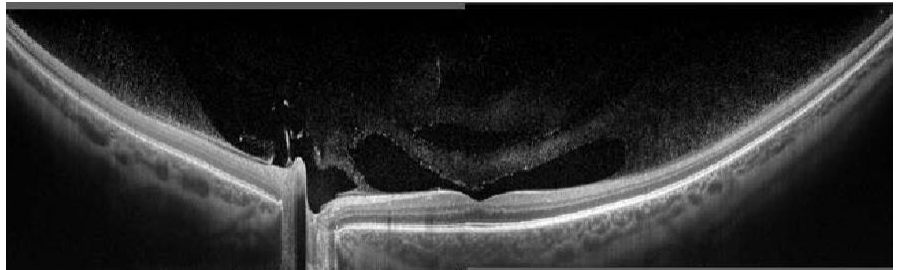
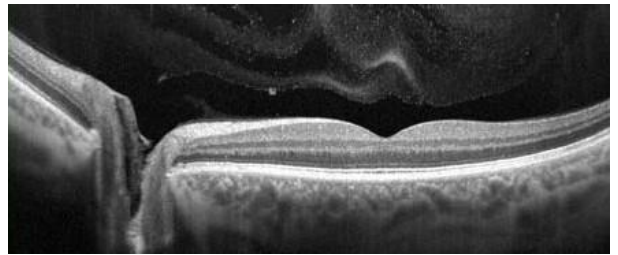
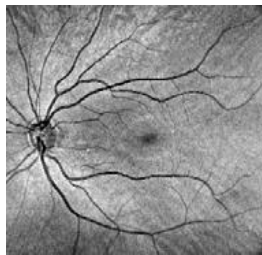
The new REVO NX software meets all demands of a daily routine in a modern ophthalmic practice. The new angiography module expands the precision of your diagnosis with minimum patient fatigue.



Widefield sCan

12x12 mm Widefield Central scan is perfect for fast and precise screening of the patient's retina. Dense scanning in high resolution tomograms guarantee the discovery of most of the early changes.

Peripheral scanning reveals diseases in the far periphery.

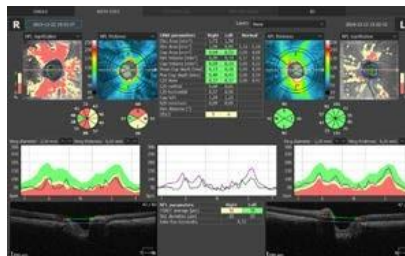


glaUComa

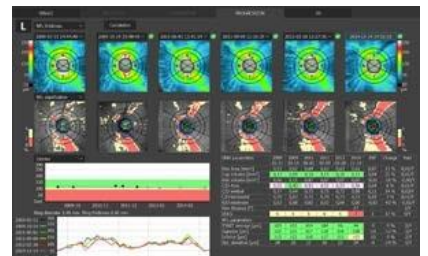
Comprehensive glaucoma analysis tools for quantification of the Nerve Fiber Layer, Ganglion layer and Optic Head with DDLS allows for precise diagnosis and the monitoring of glaucoma over time.

Asymmetry Analysis of Ganglion layers between hemispheres and between eyes allows easier identification and detection of glaucoma in early stages and in non-typical patients.

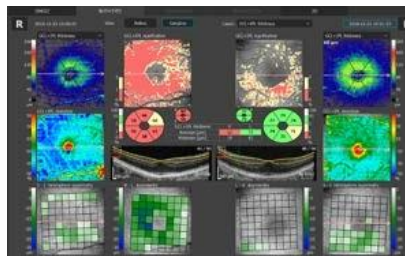
ONH Both



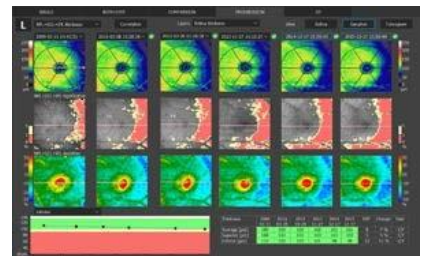
ONH Progression



GCL+IPL Both

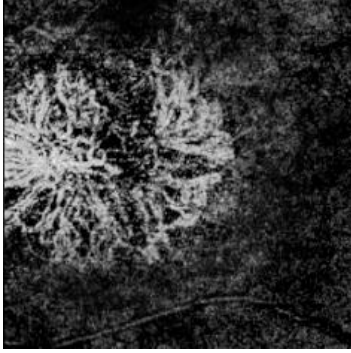


GCL+IPL Progression

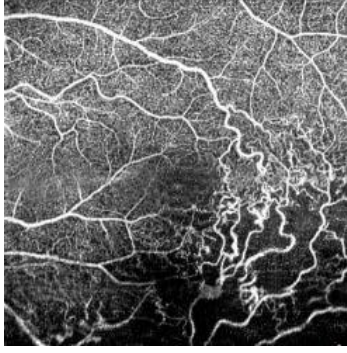


CliniCal images

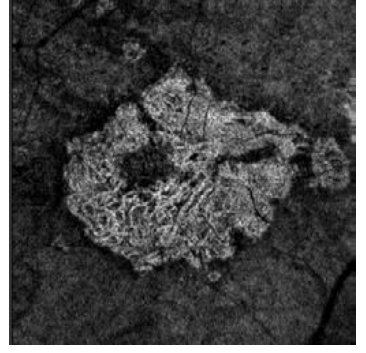
CNV



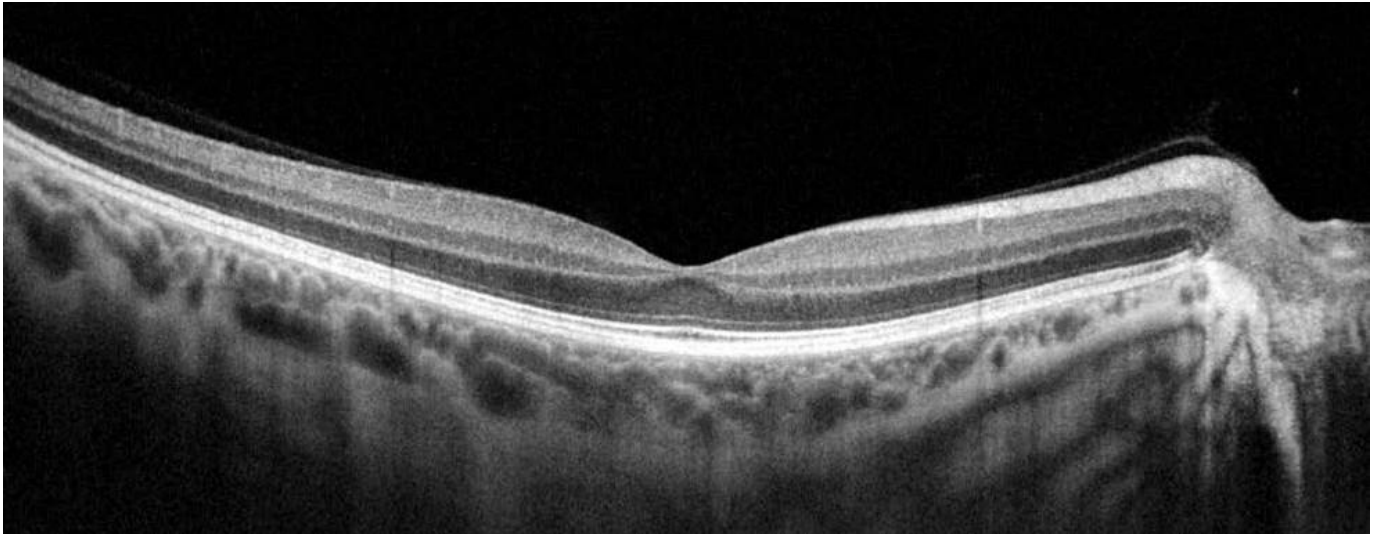
BRVO



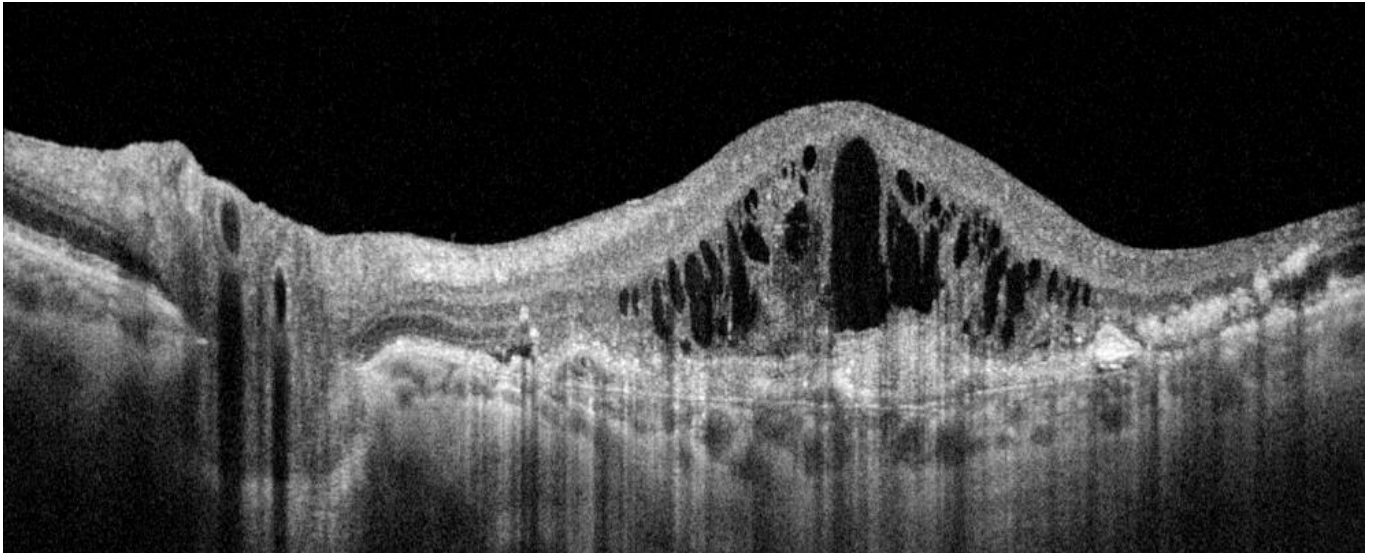
GA



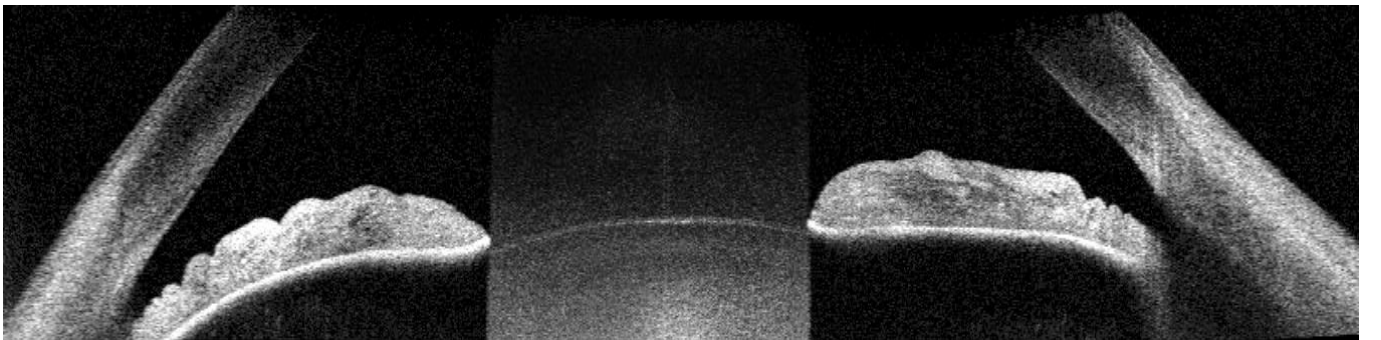
Choroidal observation



Central 12 mm scan



Angle to Angle scan



Technology	Spectral Domain OCT
Light Source	SLED, Wavelength 830 nm
Bandwidth	50 nm half bandwidth
Scanning speed	110 000 measurements per second
Axial resolution	5 μ m intissue 2,6 μ m digital
Transverse Resolution	12 μ m, typical 18 μ m
Overall scan depth	2.4 mm
Min. pupil size	3 mm
Focus adjustment range	-25 D to +25 D
Scan range	Posterior 5-12 mm, Angio 3-9 mm, Anterior 3-16 mm
Scan types	3D, Angio*, Radial (HD) , B-scan (HD), Raster (HD), Cross (HD)
Fundus image	Live Fundus Reconstruction
Alignment method	Fully automatic, Automatic
Retina analysis	Retina thickness, Inner retinal thickness, Outer retinal thickness RNFL+GCL+IPL thickness, GCL+IPL thickness, RNFL thickness, RPE deformation, IS/OS thickness
Angiography OCT*	Superficial plexus, Deep Plexus, Outer Retina, Choriocapillaries, Depth Coded, Custom, Enface, Thickness map
Glaucoma analysis	RNFL, ONH morphology, DDLS, OU and Hemisphere asymmetry, Ganglion analysis as RNFL+GCL+IP and GCL+IPL
Anterior	Pachymetry, LASIK flap, Angle Assessment, AIOP, AOD 500/750, TISA 500/750
Anterior Wide Scan	Angle to Angle view (Adapter required)
Connectivity	DICOM Storage SCU, DICOM MWL SCU, CMDL, Networking
Dimensions (WxDxH)	382 x 549 x 462 mm
Weight	23 kg
Fixation target	OLED display (The target shape and position can be changed), External fixation arm
Power supply	100-240 V, 50/60 Hz
Power consumption	115-140 VA



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