

OPTIK



COBRA

Wide-Field
Non-Mydriatic Retinal Imaging



innovative retinal imaging

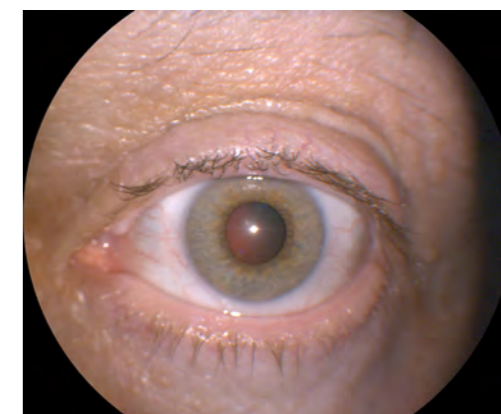
Cobra's innovative optical system captures 15% wider retinal images than standard cameras. Clear and detailed view of the entire ocular fundus contributes valuable insights to your ocular examination. Images are acquired with minimal flash exposure providing comfort to the patient and facilitating multiple image acquisitions through undilated pupils.

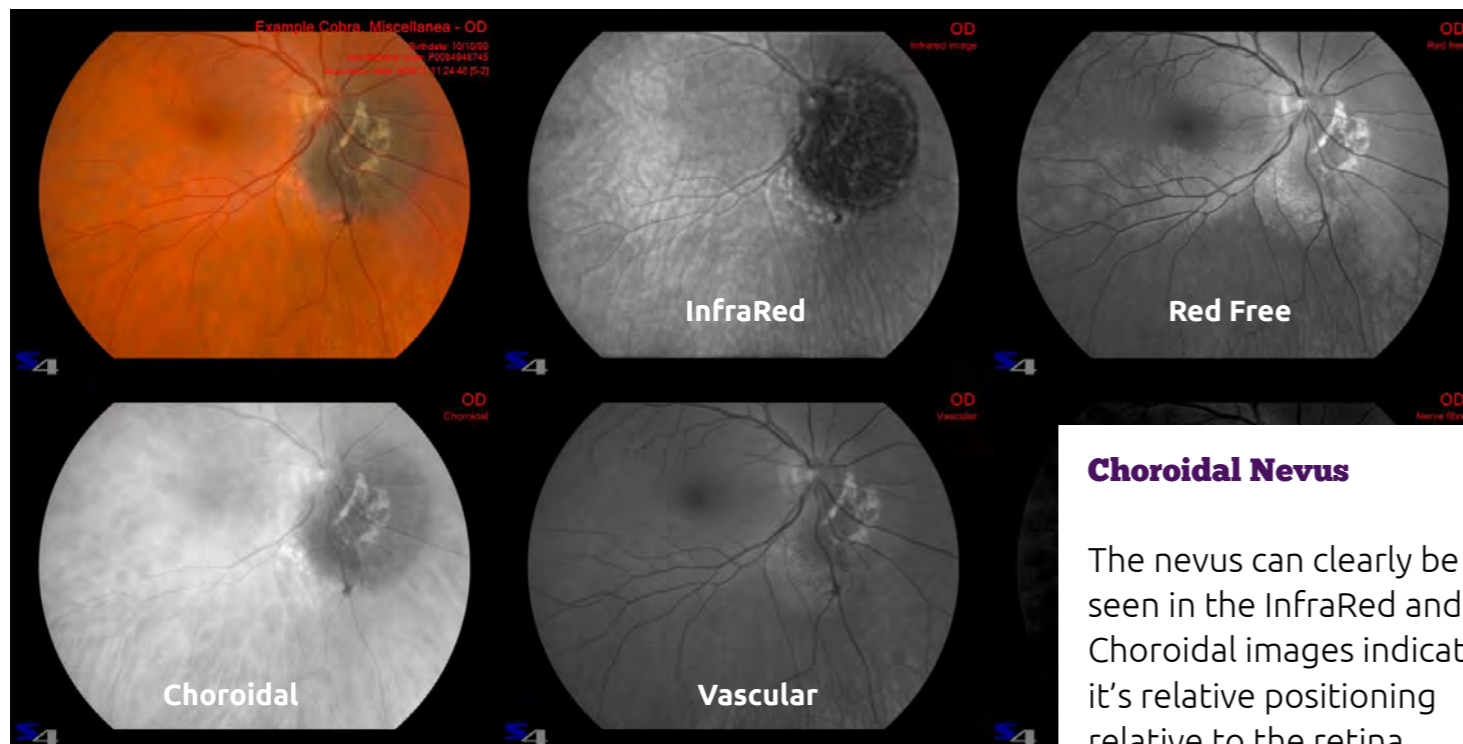
high- resolution

Cobra's high resolution CCD sensor is used for both patient alignment and for retinal image acquisition. High resolution infrared images are acquired simultaneously with the colour retinal image.

Retinal analysis is facilitated by S4OPTIK's powerful Phoenix imaging platform allowing for:

- imaging and archiving features
- advanced image processing functions
- drawing and measurement tools
- mosaic function
- meibomiam glands dysfunction (MGD) analysis color
 - Channel Separation
 - DICOM compatability



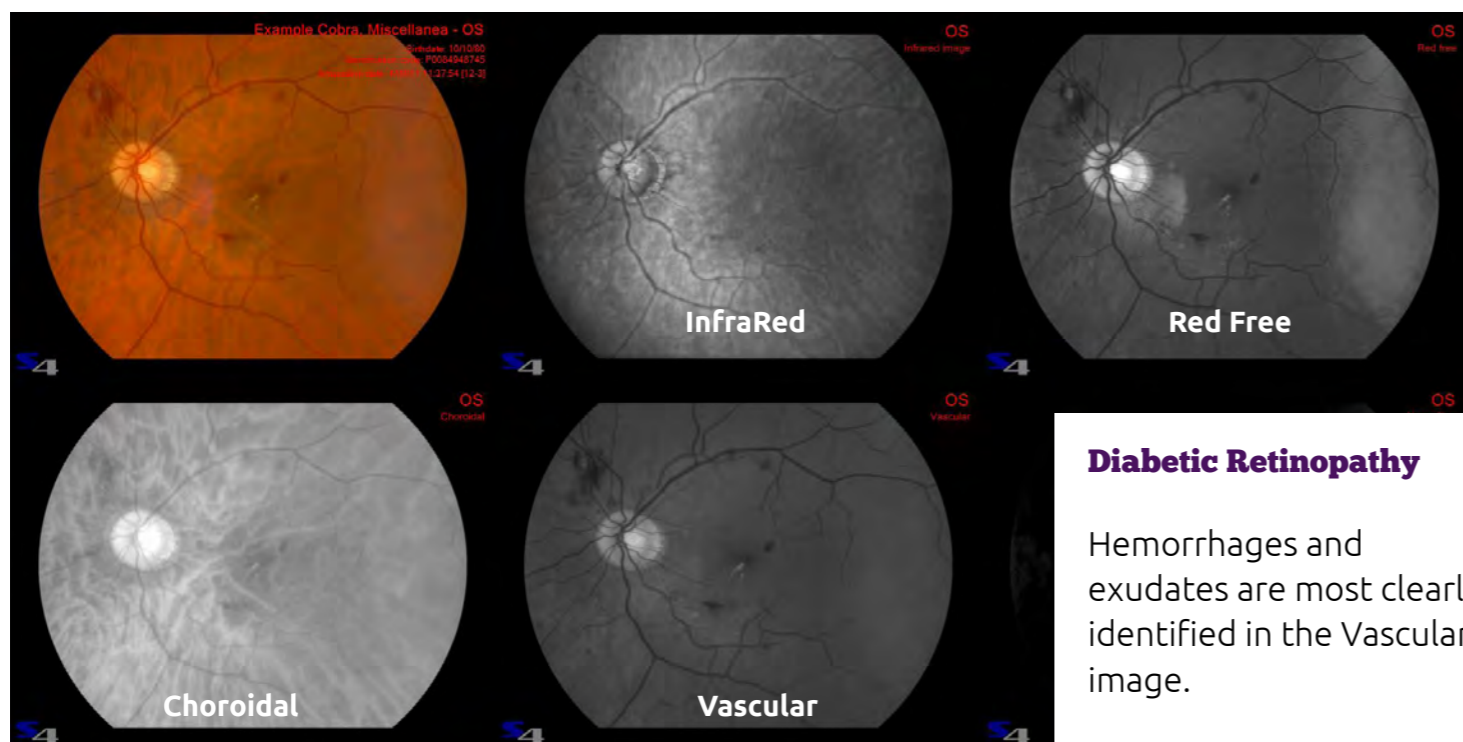


Choroidal Nevus

The nevus can clearly be seen in the InfraRed and Choroidal images indicating it's relative positioning relative to the retina.

color channel separation

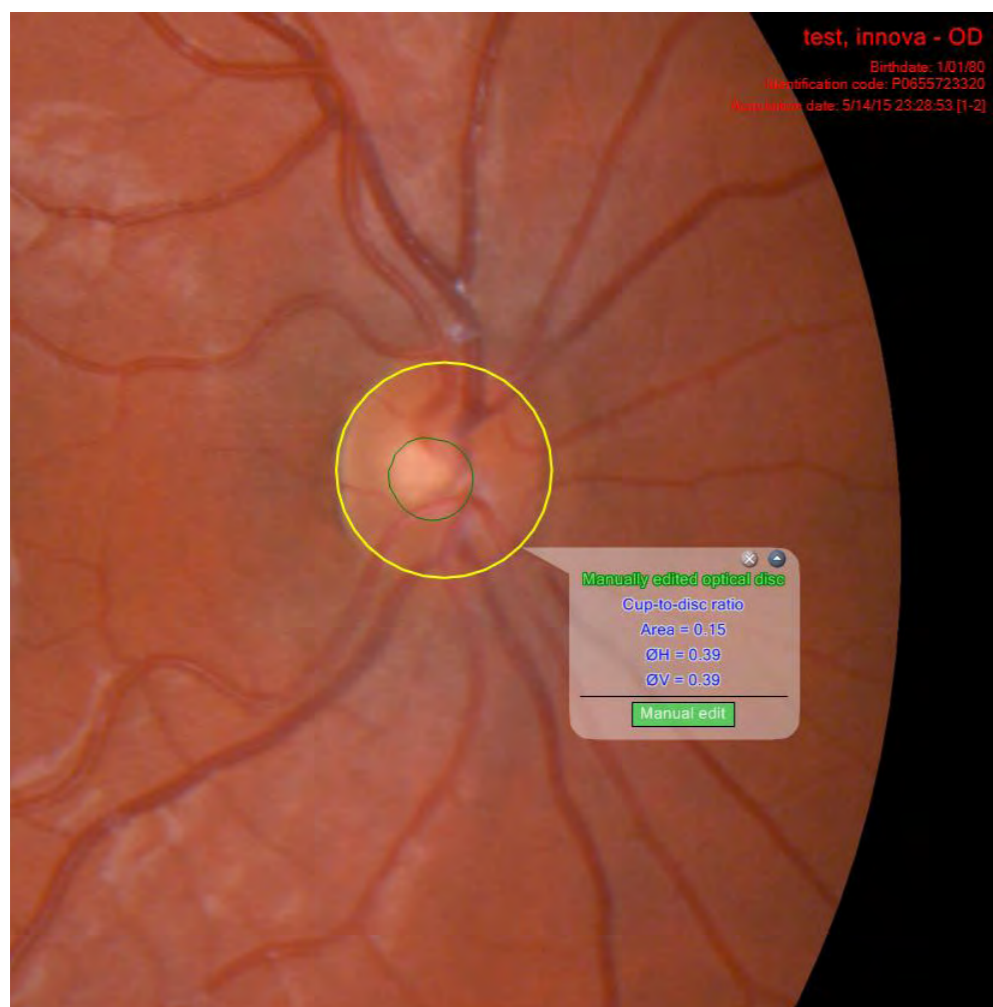
The color image is shown with the infrared image as well as 4 channels that have been isolated for enganced diagnostics. The channels include: Red-Free, Choroidal, Vasculature, and Nerve Fibre.



Diabetic Retinopathy

Hemorrhages and exudates are most clearly identified in the Vascular image.

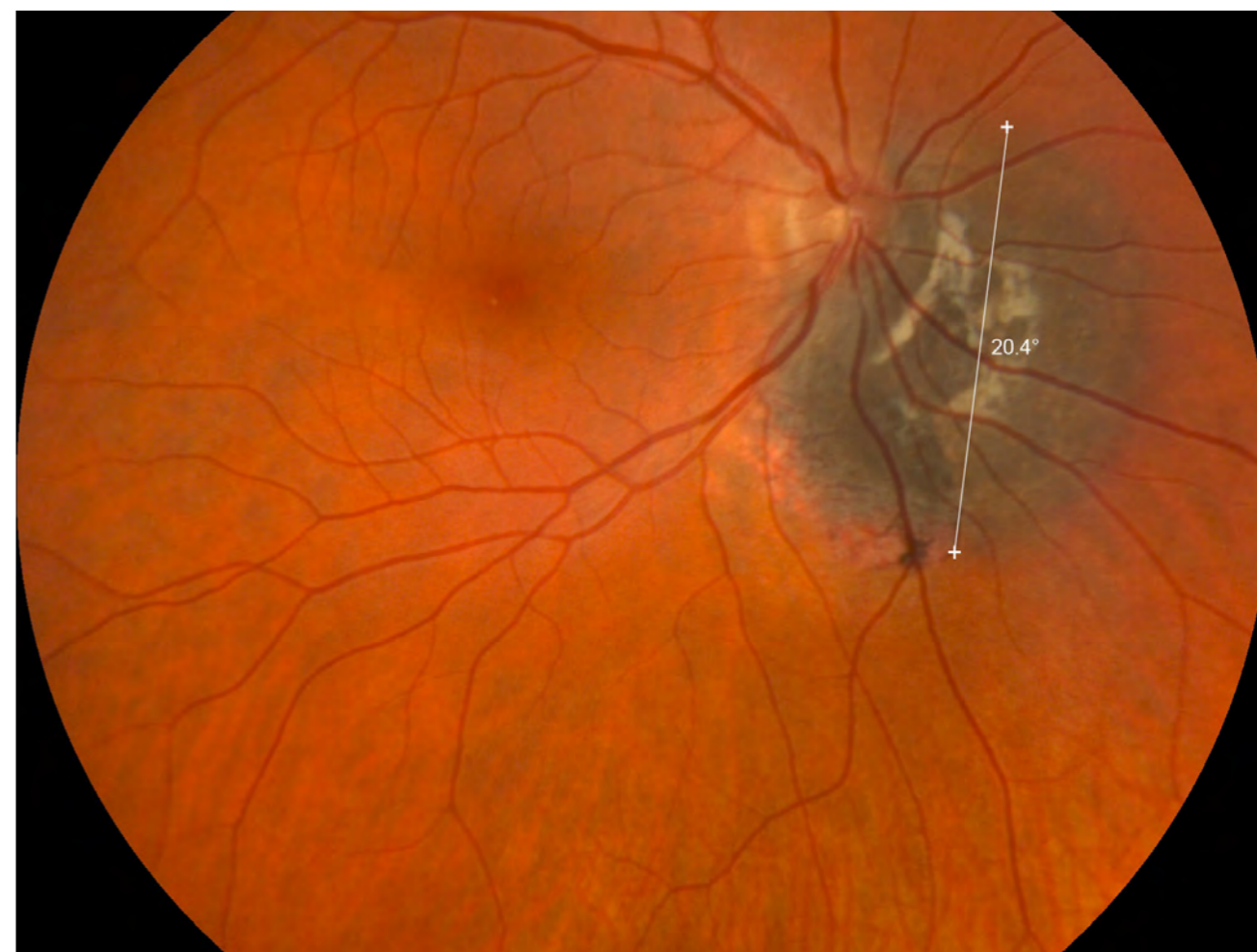
Cup/Disc Designation



measurement functions

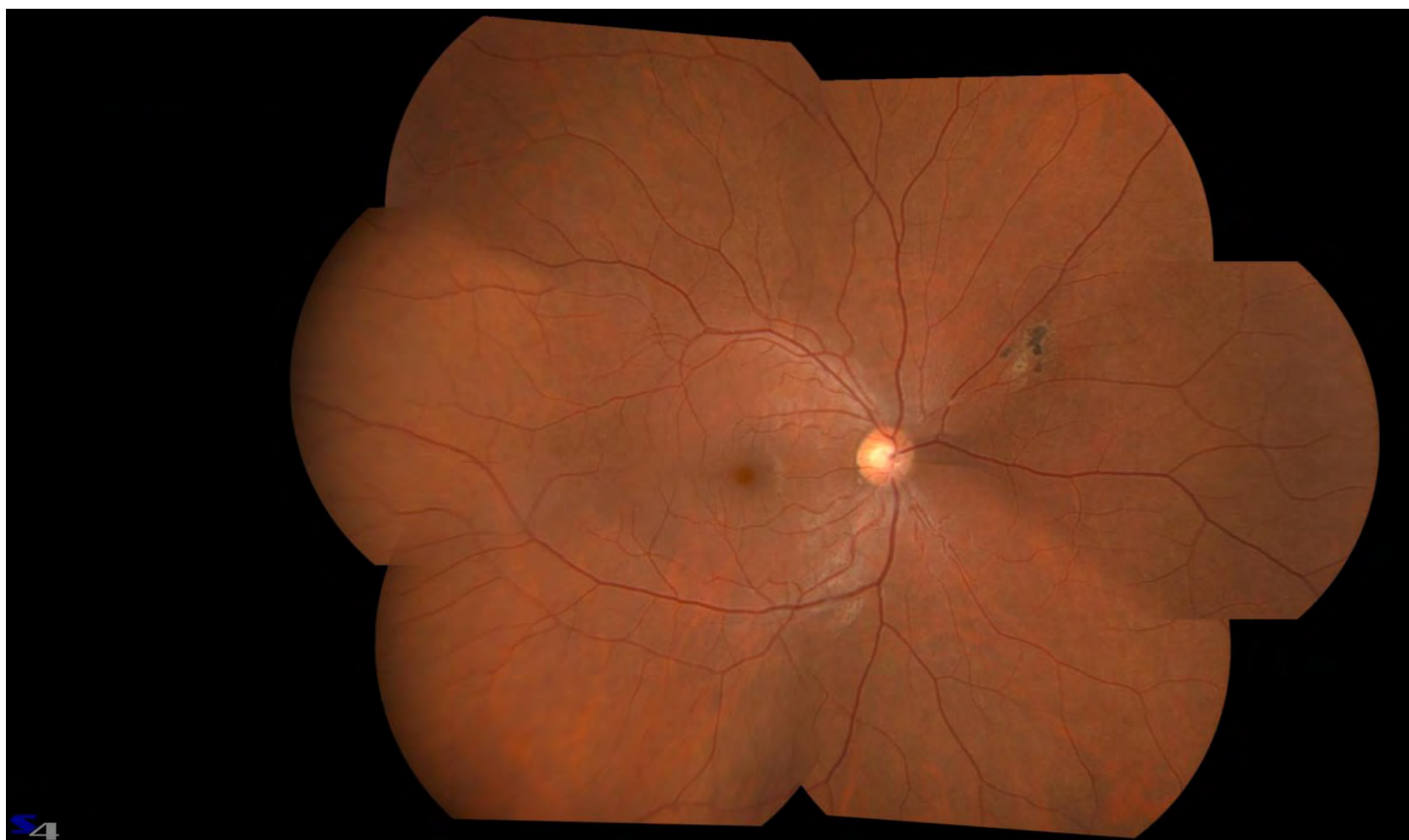
The Cobra has advanced measurement functions allowing documentation of structures and monitoring changes over time.

Distance Measurement



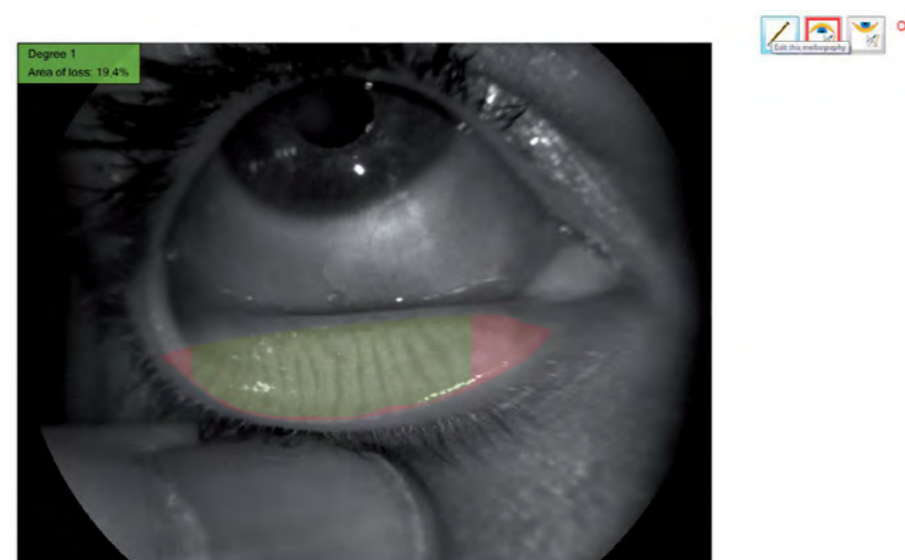
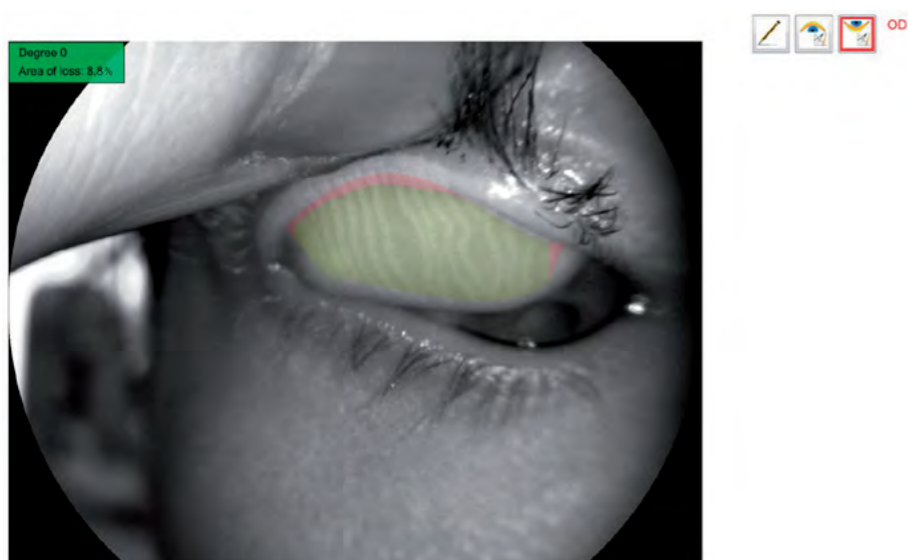
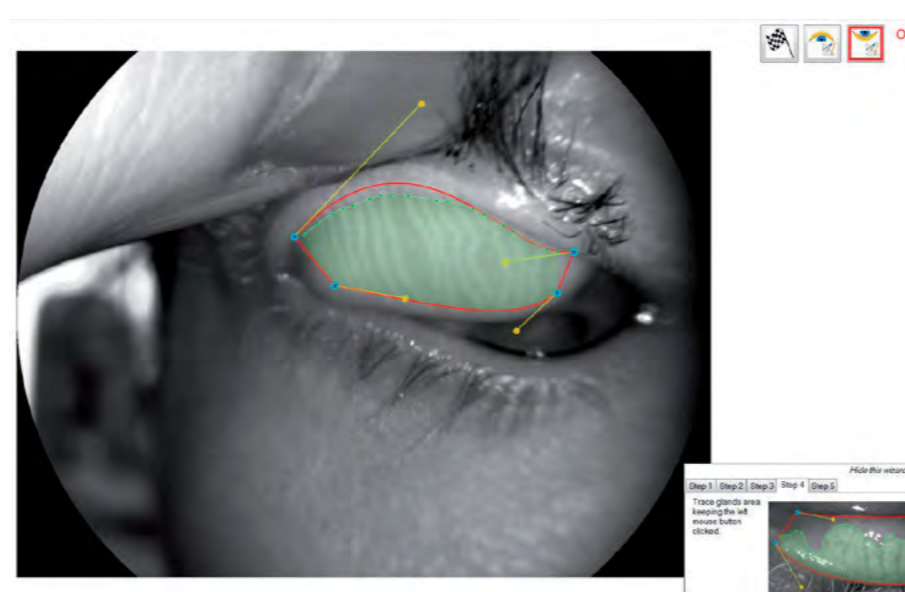
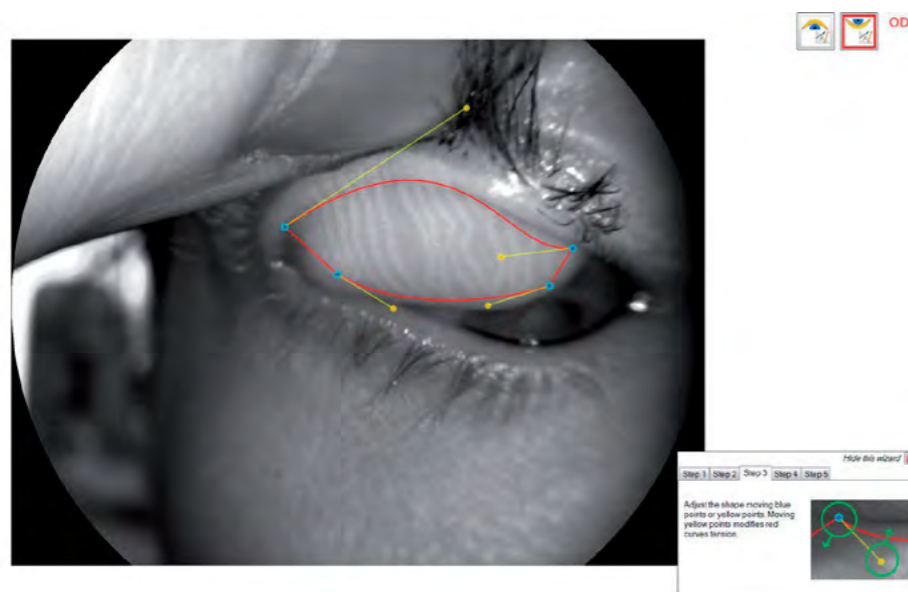
mosiac function

Thanks to the MOSAIC function,
images from multiple retinal
zones are easily combined
showing a detailed overview of
the retina structures.



MGD Analysis Tool

COBRA includes an advanced Meibomian Glands Dysfunction (MGD) analysis. This tool provides an evaluation of the glands and a quantification of the current condition.





specs

MINIMUM HARDWARE AND SOFTWARE REQUIREMENTS

PC Desktop:

Processor Intel Pentium Dual Core 2.00 GHz - 2 GB RAM

Firewire 1394A board OHCI 1.1 compatible

Video board 512 MB RAM (not shared) resolution 1280x1024 pixels

Software:

Operating systems Windows 7 Home and Pro – 32 bit and 64 bit.



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