Antares+
CORNEAL TOPOGRAPHER

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Antares+ is a fully featured multi-functional corneal topographer. Antares+ has dedictaed software designed to help in the detection and analysis of Dry Eye.

The topography function provides information about the curvature, elevation and refractive power of the cornea.

It also provides many informations to aid in the diagnosis and monitoring of the corneal surface.


FEATURES OF THE SOFTWARE PHOENIX

Antares+ uses the Phoenix software platform, allowing patient data to be saved for future review and analysis, shared by all CSO devices.
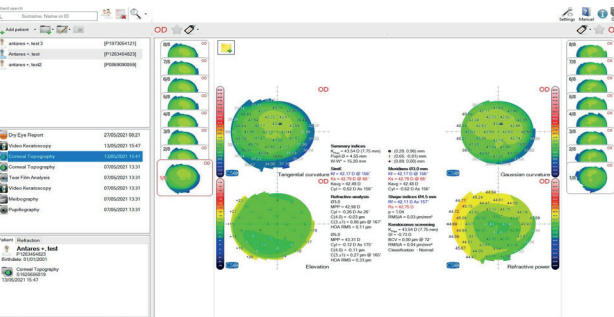

DRY EYE REPORT

Based on the Ocular Surface Disease Index questionnaire (OSDI), limbar and conjunctival hyperaemia, Meibomian glands analysis, tear meniscus analysis, NIBUT, and tear osmolarity (imported), calculated merging together all partial scores, provides an owerall evaluation of the clinical condition of the patient for a comprehesive diagnosis of the dry eye disease.
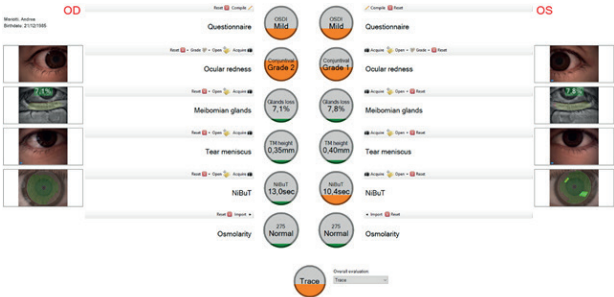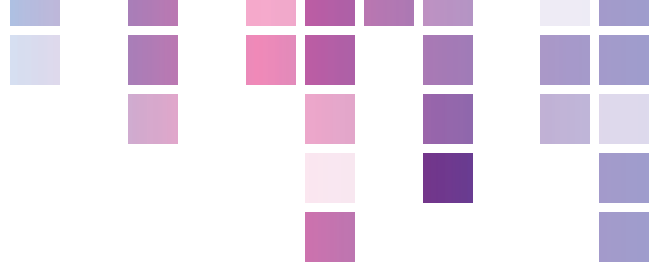
PUPILLOGRAPHY

Antares+ has built-in pupillography measurment software. The measurement of the pupil in scotopic (0.04 lux), mesopic (4 lux), photopic (50 lux) conditions and in dynamic modality is fast and simple. Knowing the center and the diameter of the pupil, is essential for many clinical procedures which seek to optimize vision quality.
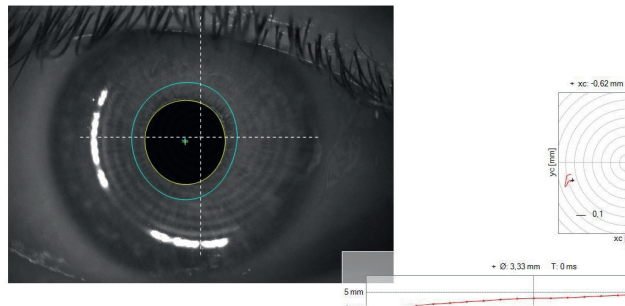

KERATOCONOUS SCREENING

Keratoconous screening software, provides the clinician with important information about the patients cornea. Understanding this can help prevent complications associated with ectasia before corneal surgery is undertaken.
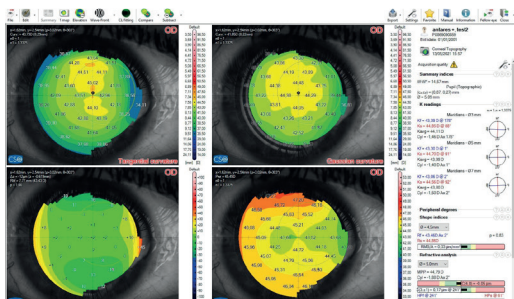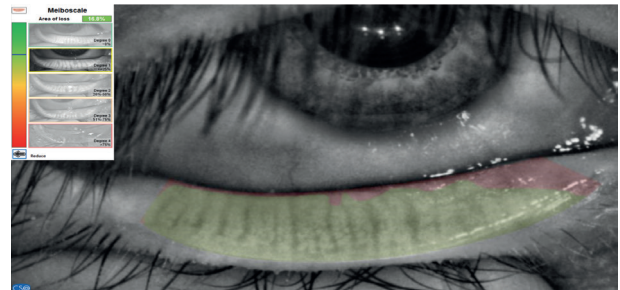

CONTACT LENSES APPLICATION MODULE

A contact lens fitting module is available, which simulates the fit of rigid contact lenses based on an internal database of many lens manufacturers.
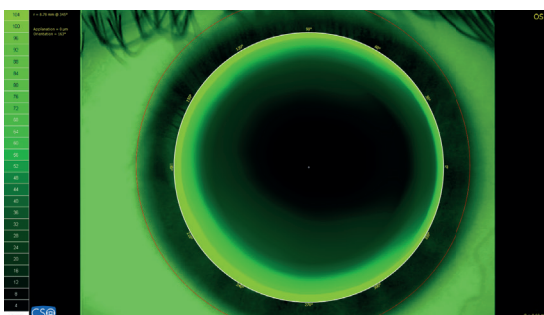

MEIBOGRAPHY

Meibomian glands can be viewed under infra-red light. Once the image is captured, you can use the software to aid in the analysis of the condition of the glands.


VIDEOKERATOSCOPE

Antares + has white light to capture color images and videos as well as cobalt blue light for the analysis of contact lens fitting with fluorescein. The magnification can be changed allowing the capture of images with a wide visual field such as the tear meniscus and corneal redness. A light diffuser filter (optional) helps in the analysis of tear lipid layer.
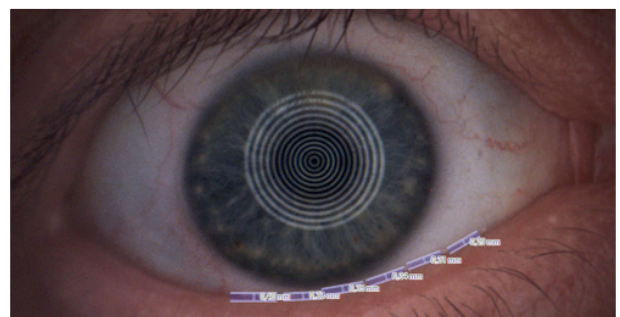
ADVANCED ANALYSIS OF THE TEAR FILM

Placido disk technology allows for the advanced analysis of the tear film, such as NIBUT (Non Invasive Break-up Time).

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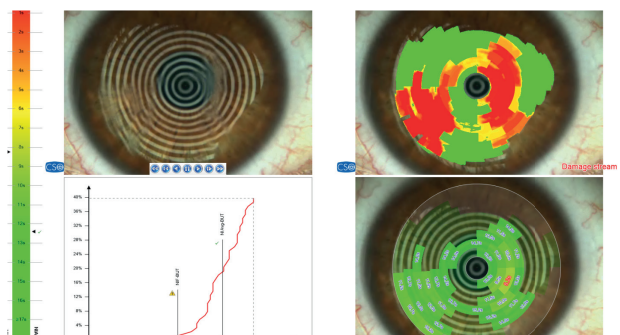
TECHNICAL DATA

Data transfer	USB 3.0
Power supply	external power source 24 VCC In: 100-240Vac - 50/60Hz - 0.9-05A - Out: 24Vdc - 40W
Power net cable	with plug C14
Dimensions (HxDxW):	515 x 315 x 255mm
Weight:	6.5Kg
Chin rest movement	70mm ± 1mm
Minimum height of the chin cup from table	24cm
Base movement (xyz)	105 x 110 x 30mm
Working distance	74mm

LIGHT SOURCES

Auxiliary White	LED @450-650nm bianco
Placido's disk	LED @450-650nm bianco
Fluorescein stimulation	LED @470nm
Pupillography and Meibography	LED @940nm

TOPOGRAPHY

Placido disk rings	24
Measured points	6144
Topographic covering (at 43D)	10mm
Dioptric measurement range	1D to 100D
Measurement accuracy	Compatibility with standard Class A according to the UNI EN ISO 19980-2012
DICOM	v3 (IHE integration profile EYECARE Workflow)

ACCESSORIES

Light diffuser filter for auxiliary illumination, magnetic lock	light diffuser filter (optional)

MINIMUM SYSTEM REQUIREMENT

PC: 4 GB RAM - Video Card 1 GB RAM (not shared) resolution 1024 x 768 pixels - USB 3.0 type A Operating system: Windows XP, Windows 7 and Windows 10 (32/64 bit).

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