



# APOLLO 1.0

**NORWOOD**

Corneal Topographer | Dry Eye Assessment

*See the Full Dry Eye Picture...*

A dedicated platform for dry eye diagnosis that provides complete dry eye tests according to the recommendation of Tear Film & Ocular Surface Society (TFOS) DEWS II report

## Interferometry

Thanks to the anterior illumination module, APOLLO 1.0 can acquire the lipid layer secretion on the cornea.

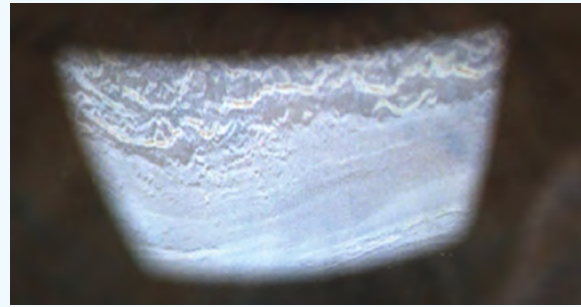
The device highlights the lipid layer and the software evaluates the quantity and quality of the lipid component on the tear film.

**PREMIUM**

Subjective

**ULTRA**

Automatic



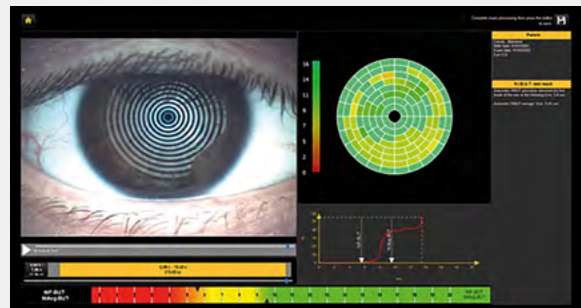
## Automatic NIBUT

The stability of the mucin layer and the whole tear film is assessed through the study of non-invasive break up time (NIBUT), by using the Placido cone projected onto the cornea. Tear film stability automatically evaluated without fluoresce in:

- First NIBUT
- NIBUT Map
- Average NIBUT
- TF dynamic graph

**PREMIUM**

**ULTRA**



## Automatic Tear Meniscus Height

The thickness of the tear meniscus that is observed on the eyelid margins provides useful information on the tear volume. The tear meniscus can be examined considering its height, regularity and shape.

**PREMIUM**

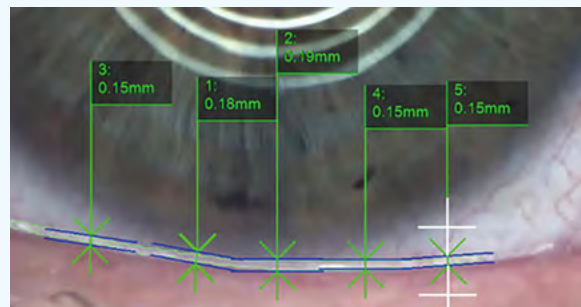
Subjective

An artificial intelligence determinates automatically:

- Position of tear meniscus
- Highest value in TM

**ULTRA**

Automatic



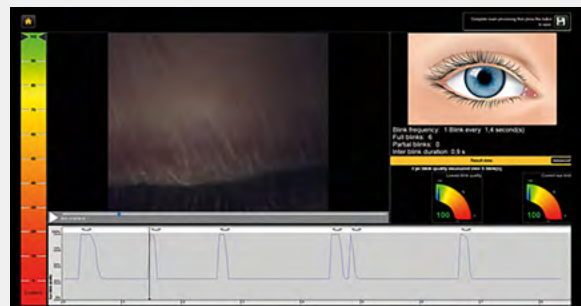
## Automatic Eye Blink Quality

It has been established that efficient blinking plays an important role in ocular surface health including during contact lens wear and that it improves contact lens performance and comfort.

Eye blink analysis can be performed on a dedicated video or on interferometry video to know automatically:

- Blink frequency
- Partial blink (Fundamental for MG understanding)

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## Automatic Meibography

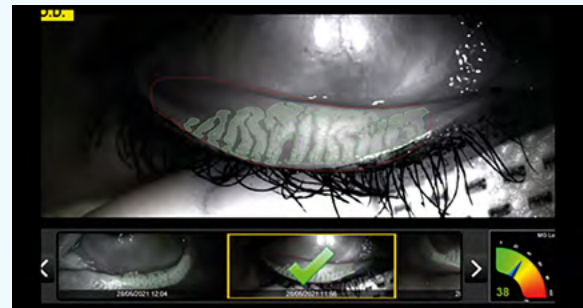
Meibography is the visualization of the glands through illumination of the eyelid with infrared light. It images the morphology of the glands in order to diagnose any meibomian gland drop out which would lead to tear dysfunction.

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Using IR illumination OS1000 can automatically detect:

- Lid area
- Meibomian glands
- Drop out

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## 3D Meibography

This new imaging system provides strong evidence to support the choice of a specific therapy (for example IPL treatment) and helps the patient to understand why a certain therapy is being recommended.

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## Automatic Dry Eye Treatment Suggestion

The unique integrate algorithm, developed by MD. Luca Vigo, can provide a dedicated treatment approach based on the results of the analysis.

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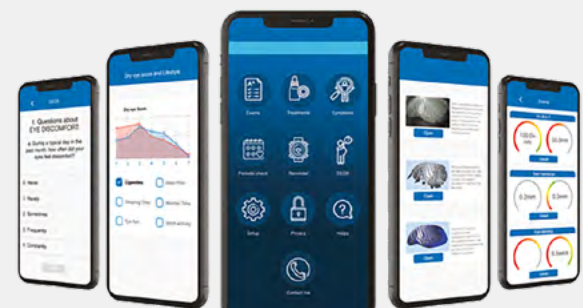
## Dry Eye Follow Up

Is the only application on the market that allows the doctor to transfer the data of the tests carried out for the evaluation of the dry eye to the smartphone of his patient.

Healthcare apps have transformed the field of medicine into the digital mode with more and more health care services that are rapidly changing to boost information and treatment using varied digital technologies.

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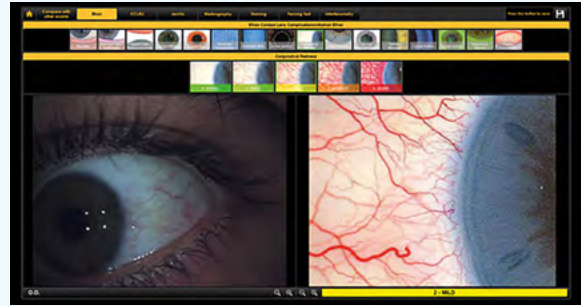
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# A complete analysis of your Ocular Surface

## Efron/ CCLRU / Jenvis

Comparative tables



## Bulbar Redness

Acquiring an image of the conjunctiva, it will be possible to compare the patient's condition with different international grading scales.

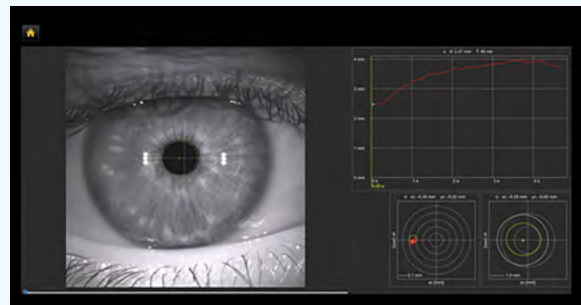
Once the image of the conjunctiva with its blood vessels is captured, it is possible to compare it with the classification sheets of bulbar and limbal redness degrees.

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## Dynamic Pupillometry and WTW

Evaluation of corneal diameter from limb us to limbus (white-to-white distance, WTW).



## Overview of APOLLO 1.0



Corneal Topography including keratoconus screening and pupillometry



Progression reports for analyzing treatment efficacy



Comprehensive suite of Dry Eye assessment tools



Patient-friendly with fast acquisition



Compact and easy to operate