

OCULAR SURFACE ANALYZER SERIES



TECNOIMAGEN

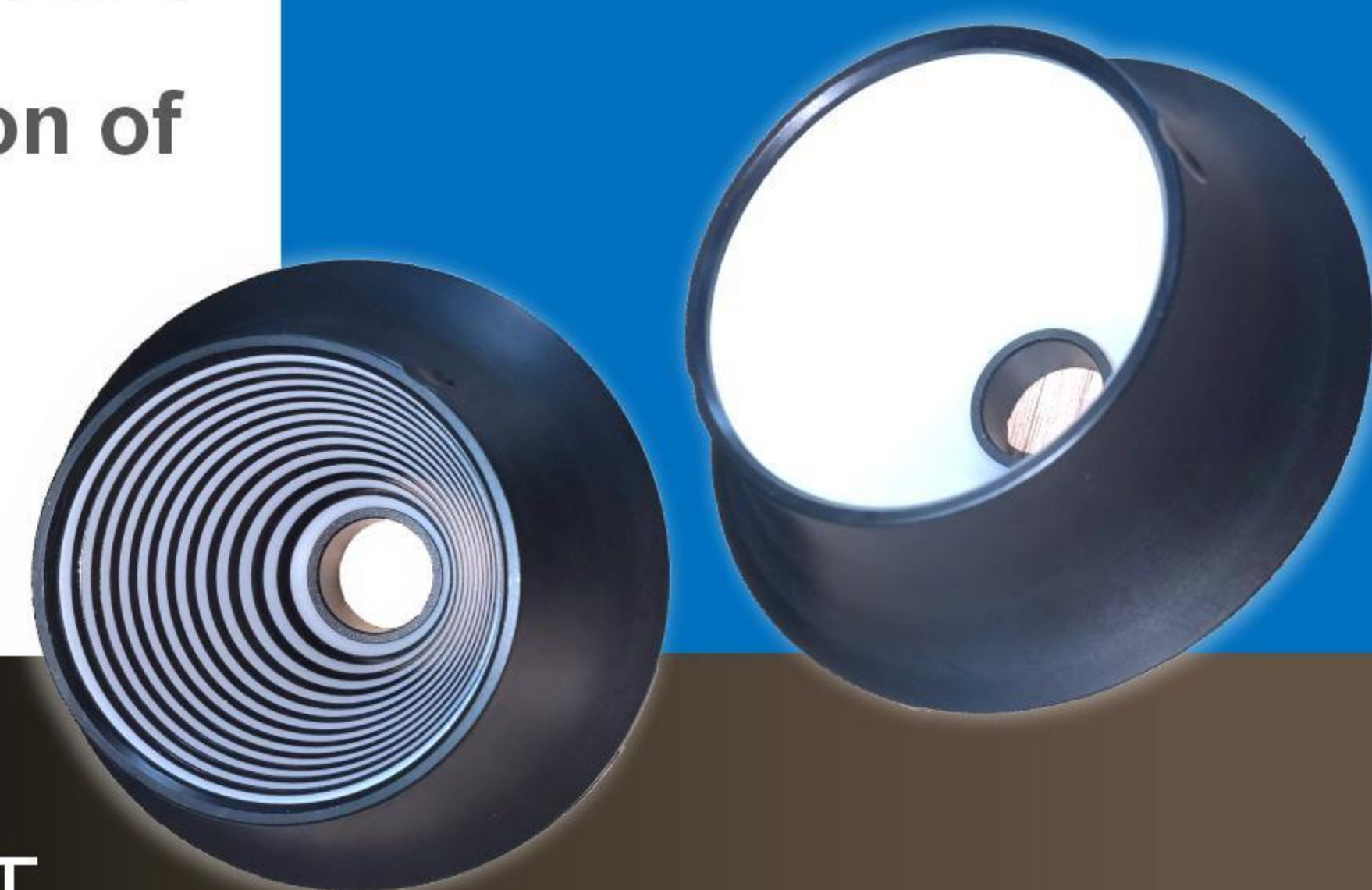
www.tecnoimagen.com.ar | 11-4582-2222



PROFESSIONAL DRY EYE EXAMINATION



Designed specifically for dry eye examination
The strongest support for the construction of
DRY EYE CLINICS



EXPERT

20mm

More comfortable
Imaging work distance
is longer



Uniform light source
obtaining high-quality
data on the nasal
temporal side



Stable distance, angle,
and brightness of the
light source

AI

AUTO

Automatic analysis
Fully automatic
identification,
measurement, and
analysis



Quantification of results
Quantify the analysis data to
numerical values

FAST

Quick inspection
Can combine inspection
items arbitrarily

REPORT

Comprehensive content Complete presentation of dry eye examination data on one
report transparency Combining images with numerical values to present detailed
results

Multiple templates Support single report or arbitrary combination of multiple
projects to meet different needs

SK Comprehensive Report

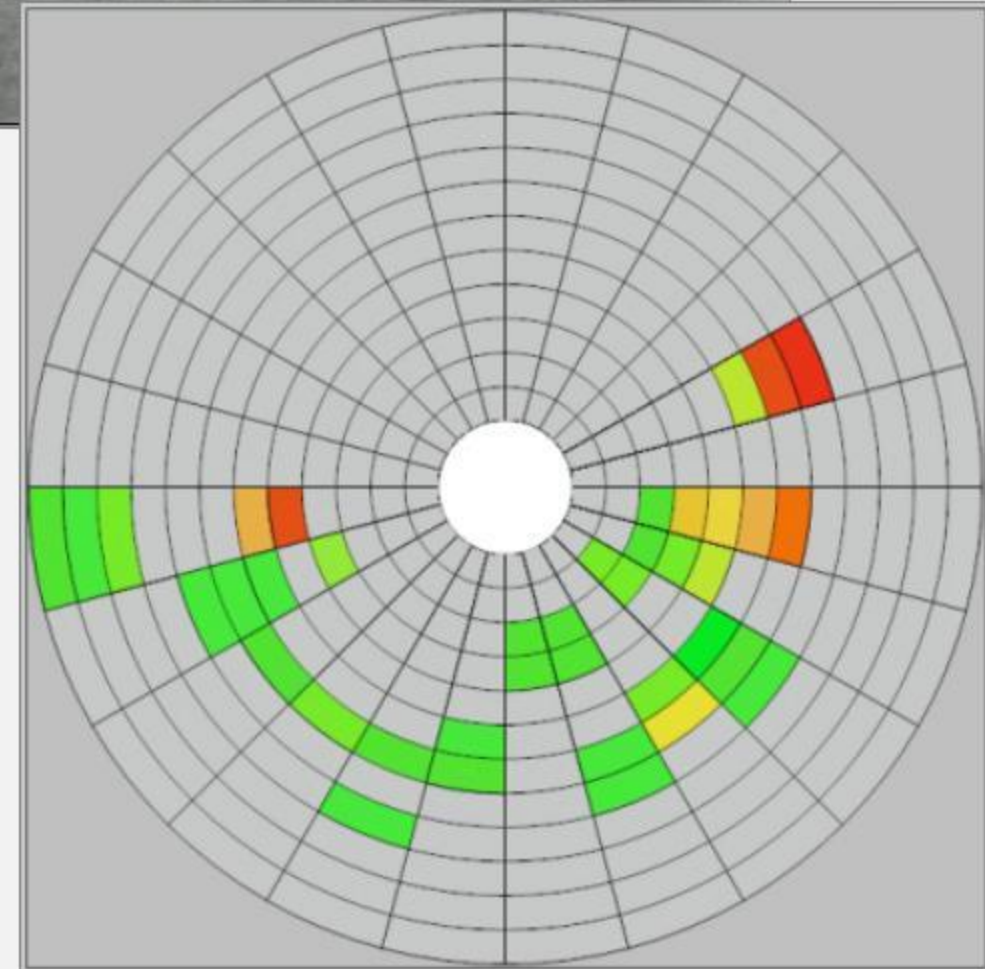
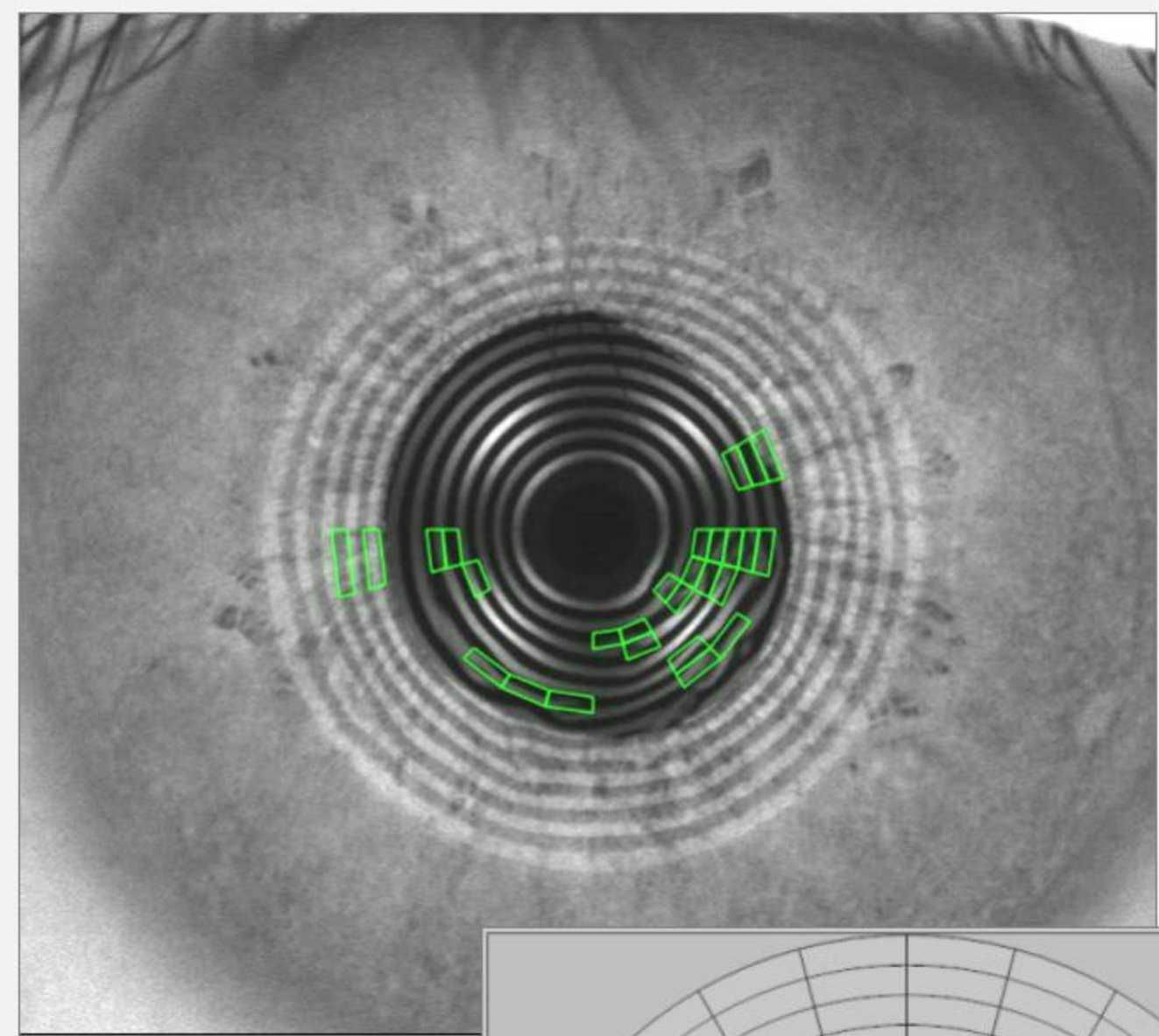
ID: 20210402481017 Name: XXX Gender: Male Age: XX Vision R: L:

	OD	OS	OD	OS
NIBUT			First:4.33s Average:4.33s	First:4.33s Average:7.00s
	Normal: first>10s, average>14s; Critical: first≥6-9s, average≥7-13s; Dry eye: first<5s, average<7s			
TMH			Central: 0.19mm Average: 0.19mm	Central: 0.25mm Average: 0.25mm
	Infrared [light] Normal: 20.2mm, Mild: <0.2mm, Moderate: <0.1mm, Serious: unmeasurable [Visible light] Normal: 20.35mm, Decreased tear secretion: <0.35mm			
Lipid Layer			Avg: 30-80nm High: 120-160nm Low: <30nm	Avg: 30-80nm High: 120-160nm Low: <30nm
	Reference: 120-160nm 80-120nm ≈80nm 30-80nm ≈30nm <30nm			
Red Eyes			Nasal: 1.5 Bitamporal: 0.7	Nasal: 1.4 Bitamporal: 0.9
	Red eyes Grade Index: 0: No hyperemia; >0-1: Mild; ≥1-2: Moderate; 22-3: Severe; 23: Serious			
Gland Opening			Score: 1.0 Score: 1.0	Score: 1.0 Score: 1.0
	Reference: 0-Normal; 1-Covered with capping; 2-Pouting or Obliteration; 3-Serious plugging or Gland opening atrophied.			
MEIBO			Def Rate: 26% Score: 0.7	Def Rate: 8% Score: 0.2
	Def Rate: 8% Score: 0.2			
	Def Rate: 12% Score: 0.3			
	Score: 0-No 1-Deficiency≤33%; 2-Deficiency34%-66%; 3-Deficiency>67%. If percentage rate is higher, deficiency will be more obvious			
Staining			Degree: 1.0 Range: 1.0	Degree: 1.0 Range: 1.0

Degree: 0-no staining; 1-Tiny Punctate staining; 2-Thick epithelium loss; 3-corneal epithelial erosion; 4-Flake diffuse staining.
Range: 0-no loss; 1-involved 1 quadrant; 2-involved 2 quadrants; 3-involved 3 quadrants; 4-involved central of the cornea.

Date: 2021-04-02

Doctor: XXX



NIBUT

Infrared photography:

Using infrared as the light source, it does not stimulate tear secretion, making it more comfortable and the results more realistic.

Visible light shooting:

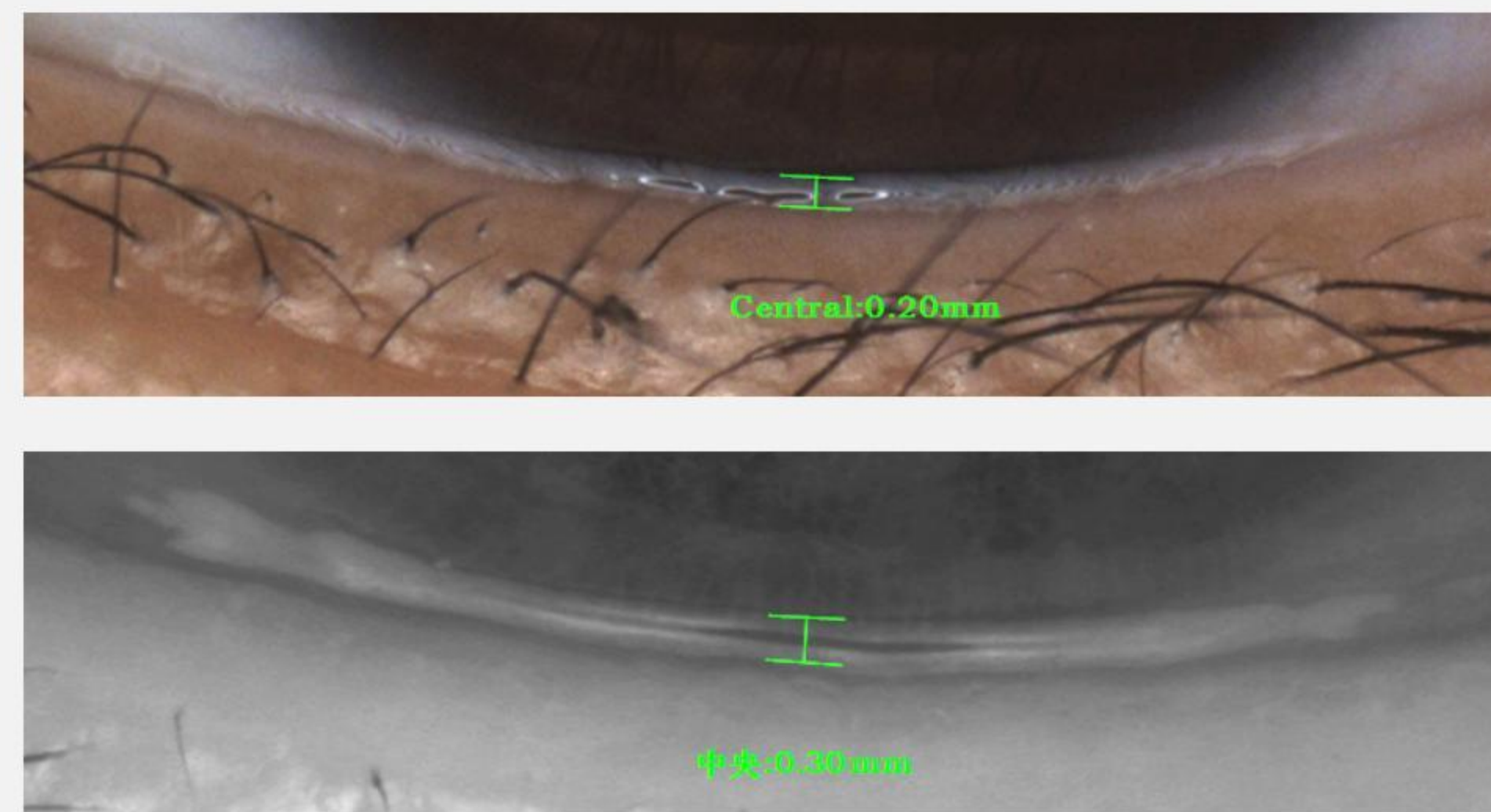
Penetrating white light technology allows for clearer viewing of the tear stream, making it easier to observe its continuity



GLAND OPENING

High definition photography

Can clearly obtain the overall shape of the eyelid margin Images of subtle changes in glandular opening



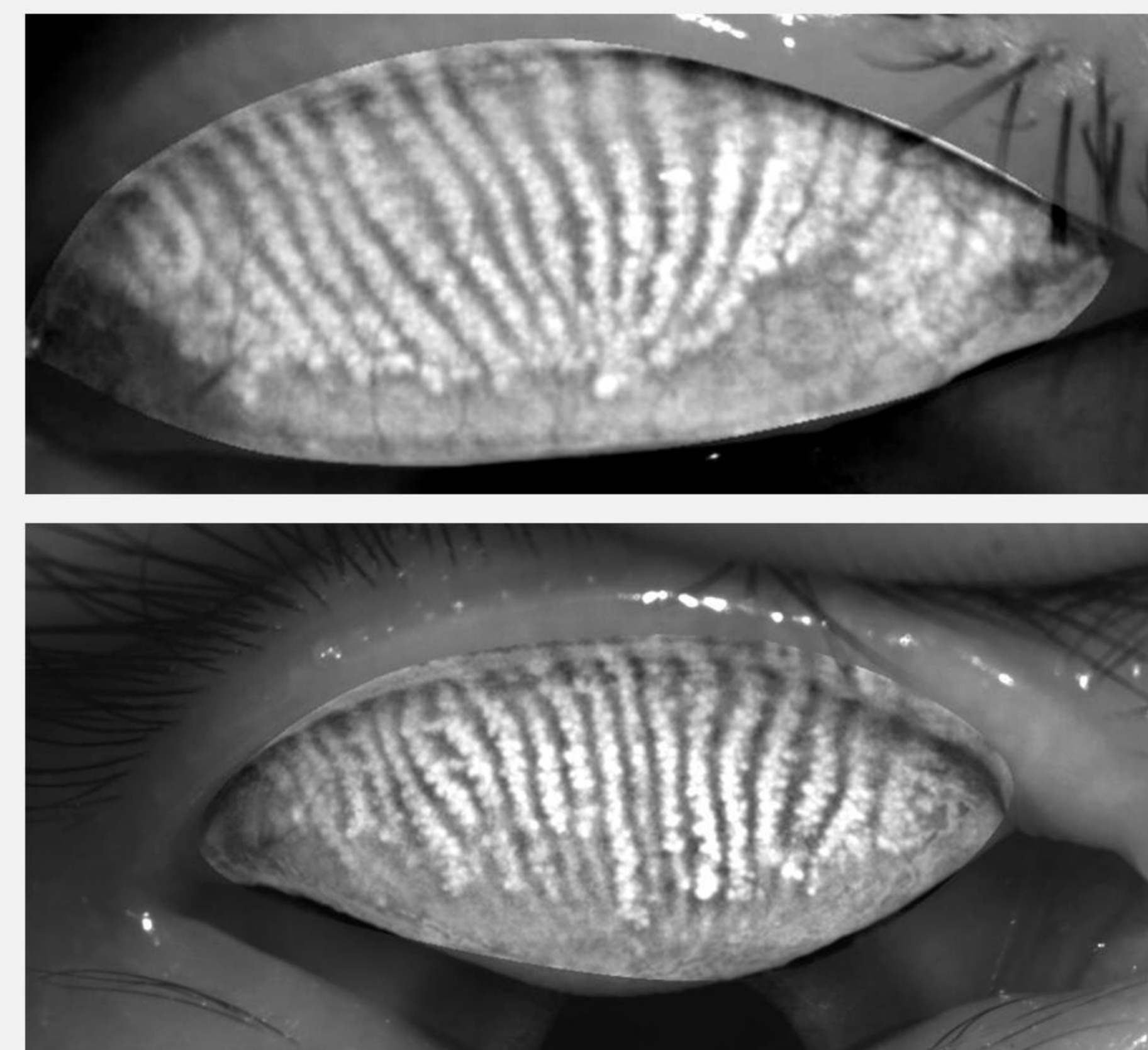
TMH

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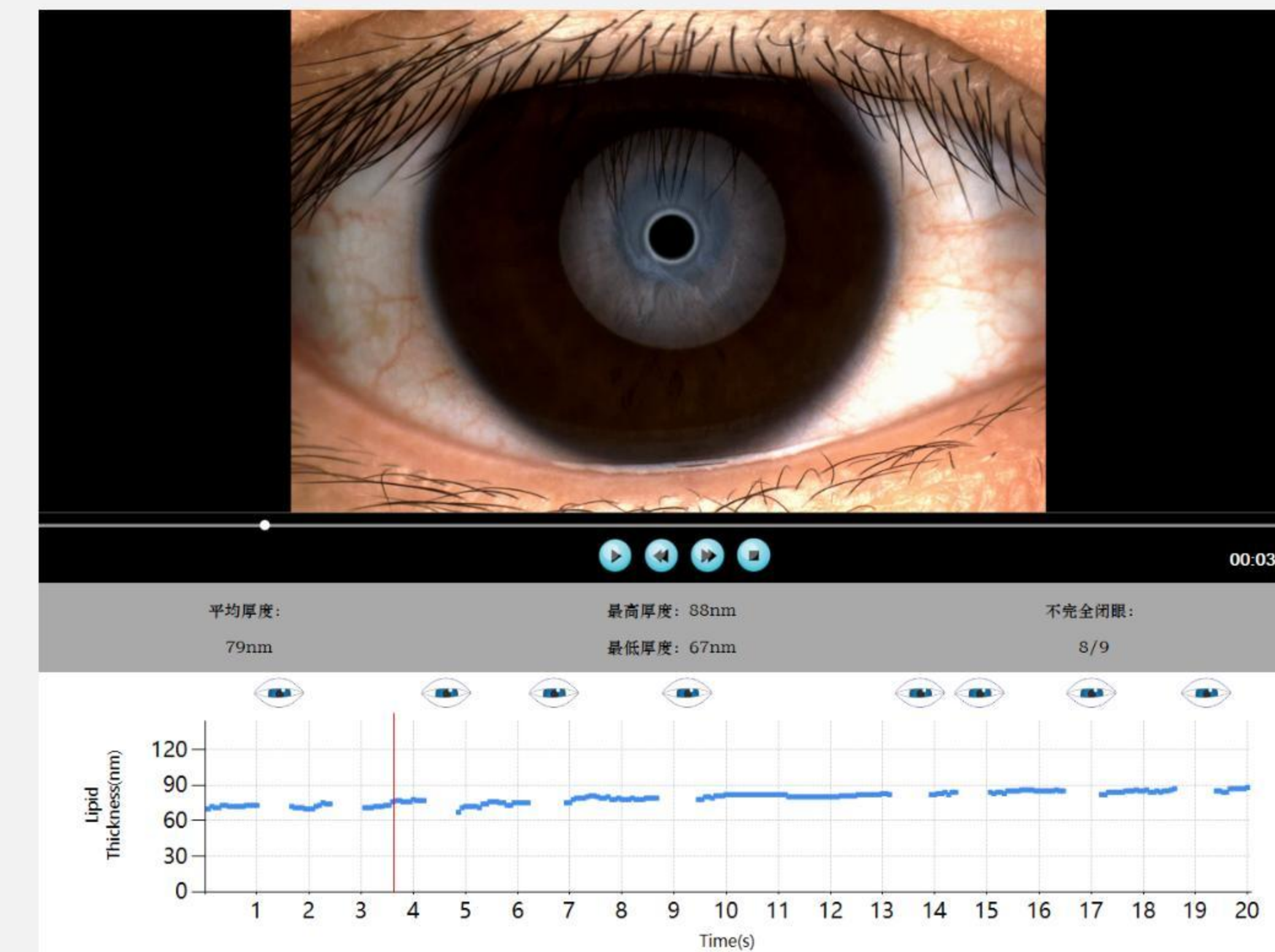


MEIBO

Professional infrared imaging can clearly observe the morphology of meibomian acini

AI image enhancement

Supports automatic recognition, enhances gland contrast, and automatically calculates the proportion of meibomian gland loss



LIPID LAYER DYNAMIC

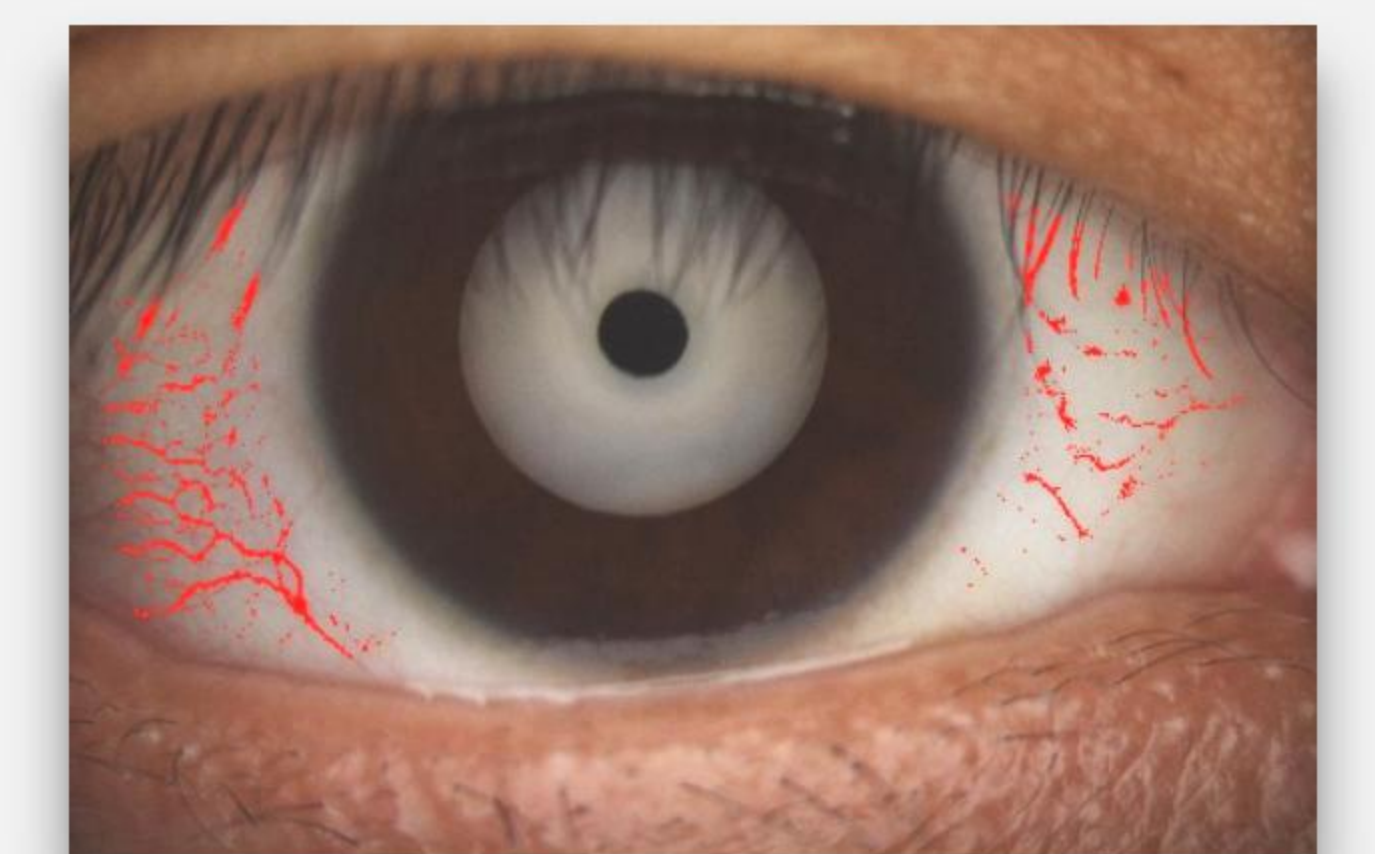
By using a uniform mask projection and recording automatic progress analysis, the entire range of the lipid layer can be clearly observed, and real-time changes in lipid layer thickness can be observed during each eye opening period

Using professional AI algorithms, quantitative analysis of lipid layer thickness measurement can be accurate to 1nm

BLINKING

Automatic recognition, statistics, and playback

In the lipid layer dynamic analysis project, simultaneously automatically identify and record incomplete blink data

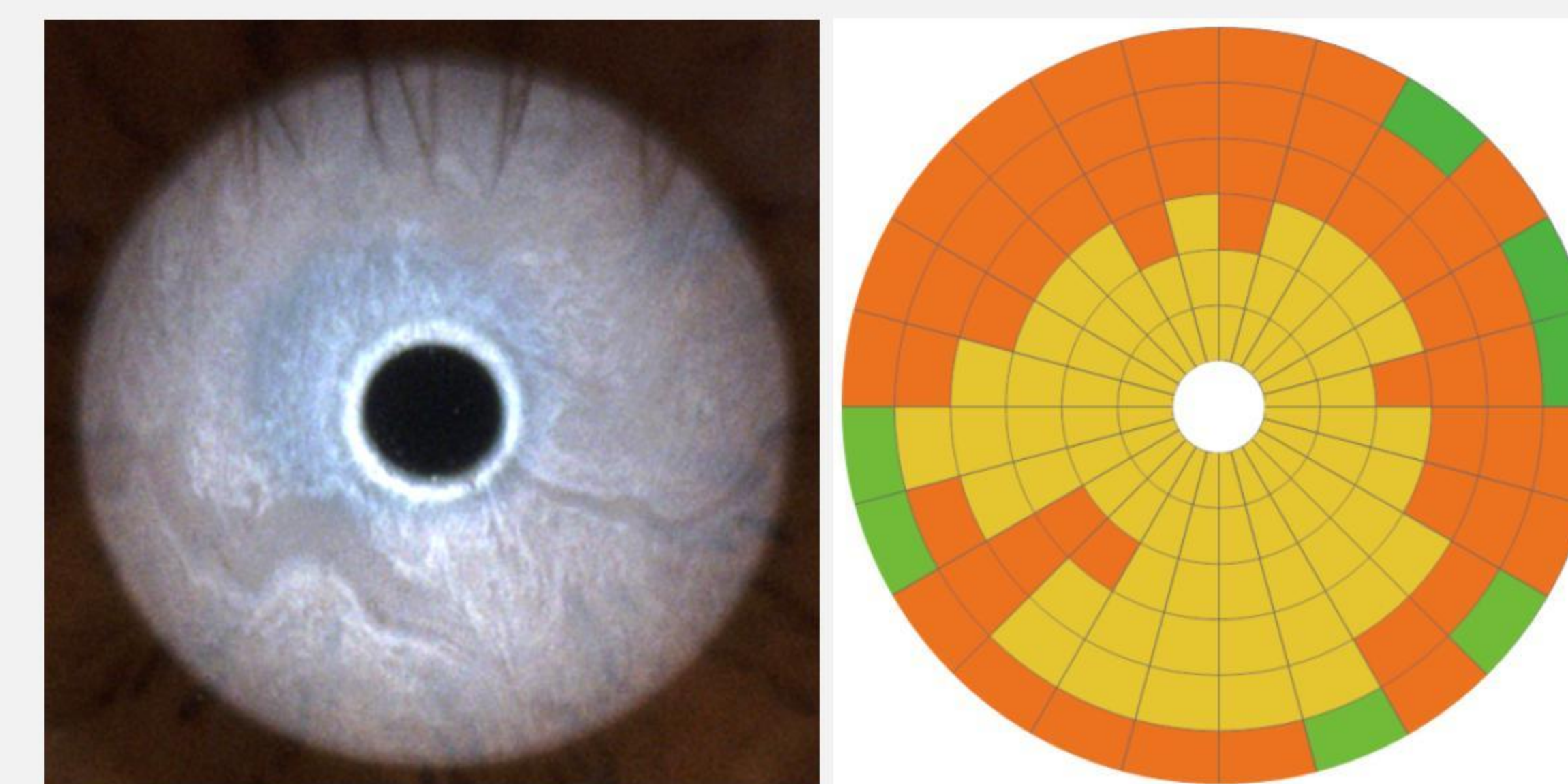


RED EYES

Conjunctiva, ciliary, two modes

Multidimensional analysis of ocular surface congestion in subjects

Provide more basis for diagnosis

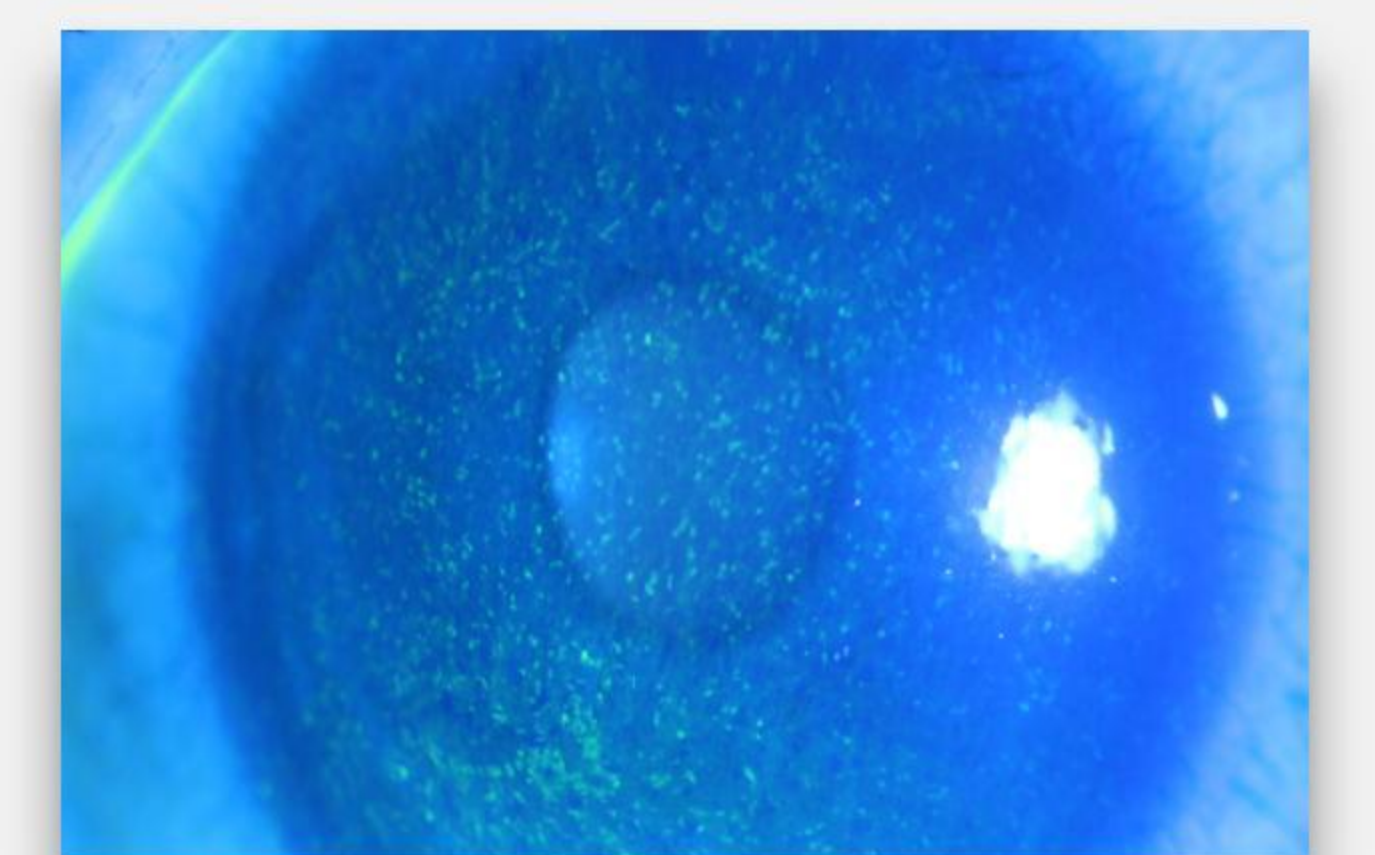


LIPID LAYER STATIC

High precision

Adopting uniform mask projection, it can fully present the true color and shape of the lipid layer

Using professional AI algorithms, the measurement of lipid layer thickness can be accurate to 10nm



STAINING

Professional yellow filter

Make corneal fluorescein sodium staining images clearer



DA-1 SERIES PROFESSIONAL DRY EYE + DIGITAL SLIT LAMP

MULTIPURPOSE

The digital slit lamp is equipped with a professional dry eye inspection module, which can be owned by one device

ALL - IN - ONE

Provide comprehensive dry eye examinations to provide multi-dimensional and reliable results for outpatient services

LIGHT SOURCE

Professional halo design, larger and more uniform projection area, obtaining more complete lipid layer analysis data

AUTO

automatic analysis
Fully automatic identification, measurement, and analysis

QUANTITATIVE

Quantification of results
Quantify the analysis data to numerical values

PARAMETER

model	DA-1 Basic	DA-1 Standard	DA-1 Expert		DA-3
Optional slit lamp	Type 5	Type 9	Type 7		↘
Digital collector	CCD	CCD	CCD	DSLR	CCD
Uniform halo	↘	Yes	Yes	Yes	Yes
TMH	M	A	A	A	A
NIBUT	A	A	A	A	A
Lipid Layer Static	M	A	A	A	A
Lipid Layer Dynamic	↘	↘	↘	↘	A
Incomplete blinking	↘	↘	↘	↘	A
Red Eyes	M	A	A	A	A
TMH	M	M	M	M	M
Meibo	M	A	A	A	A
Corneal Staining	M	A	A	A	A
Mite function	↘	↘	satisfy	satisfy	↘

M Manual
A Automatic

