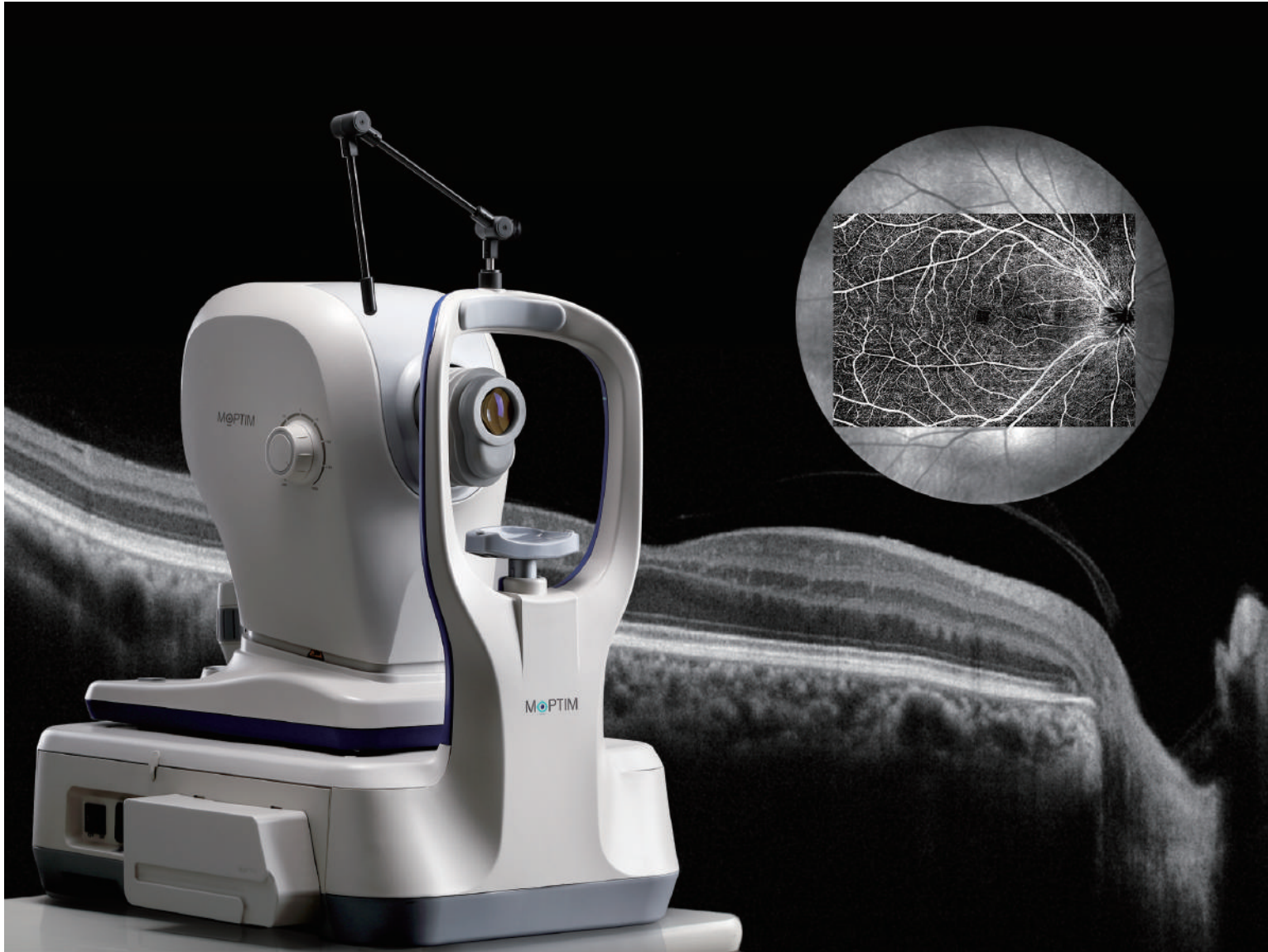


MOPTIM

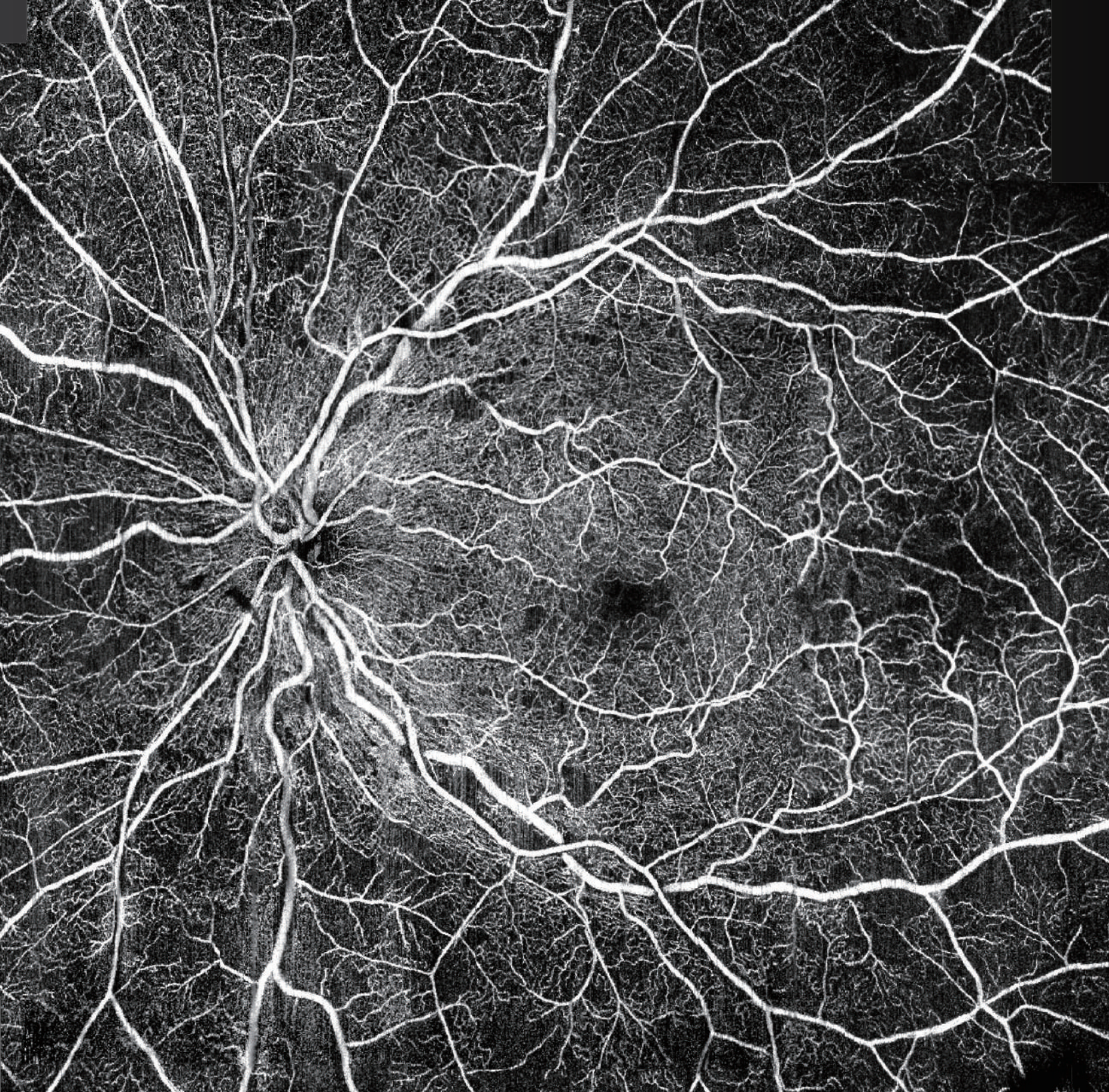


Optical Coherence Tomographer

**Mecean**<sup>®</sup> 4000 SLO-OCT

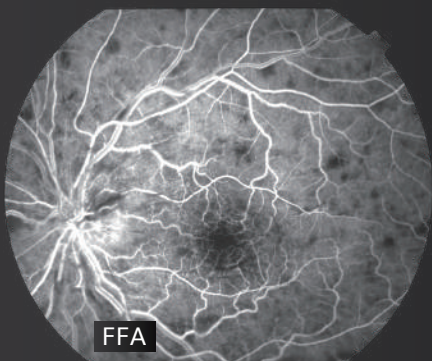
**VASCAN**<sup>™</sup>  
ANGIOGRAPHY





**Moptim VASCAN widefield angiography montage**

Image courtesy of Dr. Bin Zhang, Peking University Shenzhen Hospital, Shenzhen, China



**VASCAN™**  
ANGIOGRAPHY

\* OCT angiography is an optional module for Mocean 4000



# Msclean<sup>®</sup> 4000 SLO-OCT

## WIDER, DEEPER, AND MORE POWERFUL



### FULL RANGE

16mm scan width, 7.36mm scan depth (in tissue) enables the anterior chamber imaging in one shot



### INCREASED SCAN DEPTH

3.1mm depth enables clear choroid layer imaging, improving high myopic eye capabilities



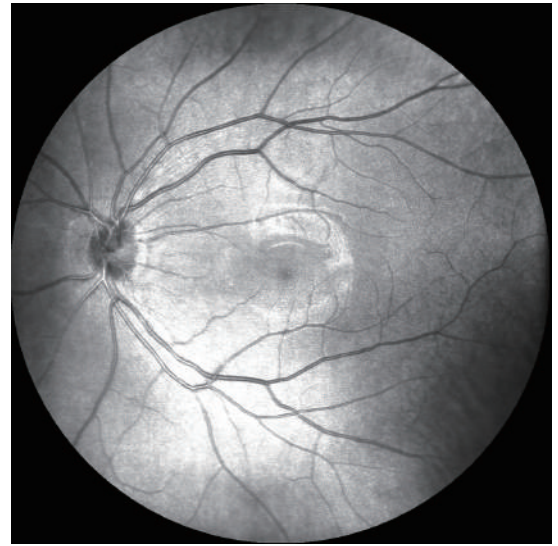
### ACCURATE

45° SLO-based eye tracker enables physicians to identify lesions and perform accurate follow-up

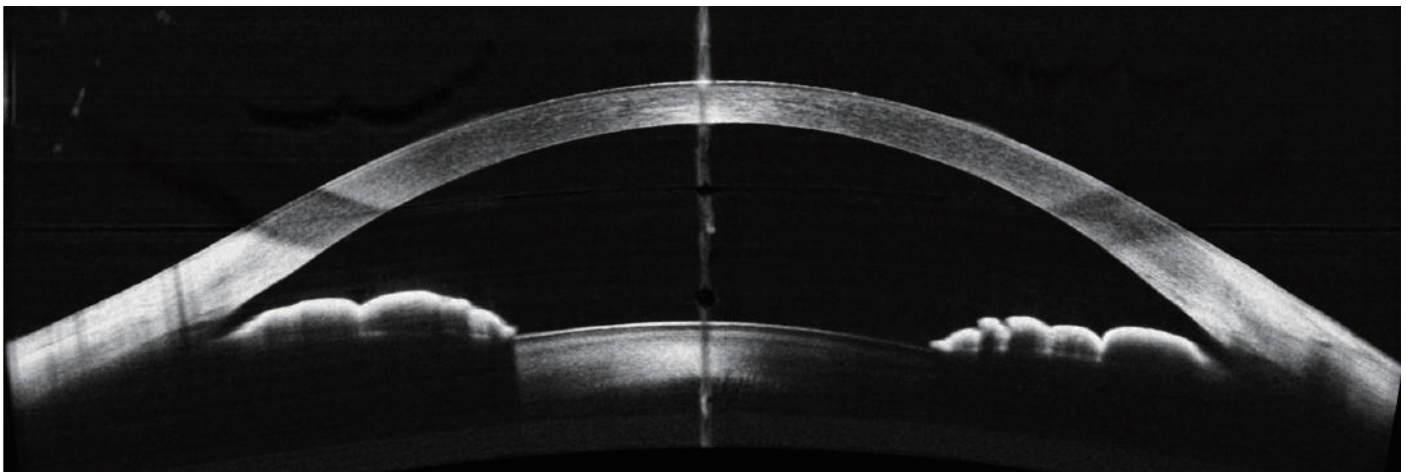


### POWERFUL

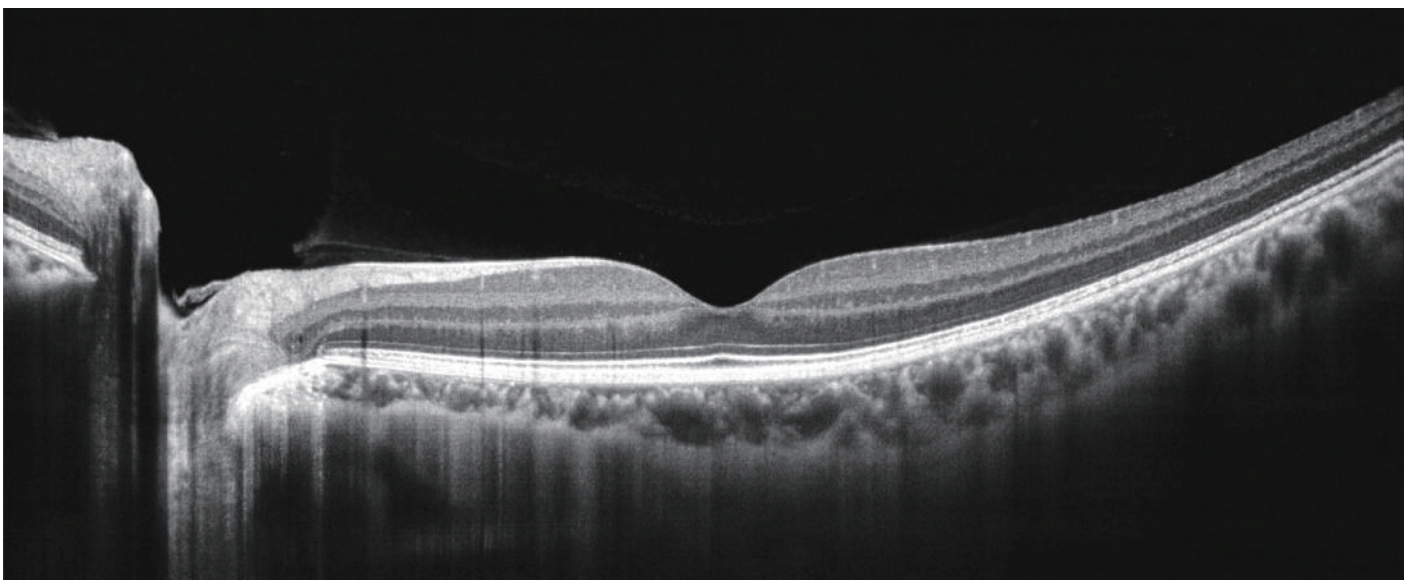
Comprehensive analytical tools for glaucoma, anterior segment



45° real-time SLO imaging



16mm full range corneal imaging

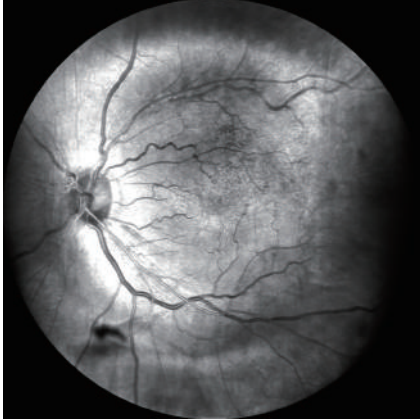


12mm retinal imaging

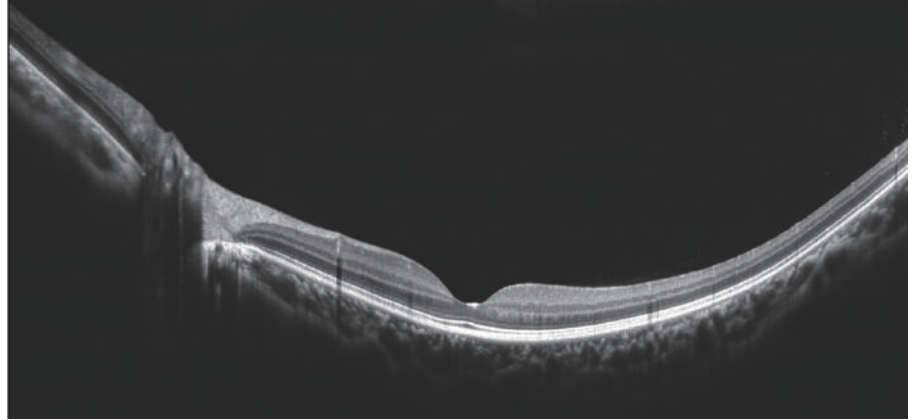
# MACULA

## Macula HD Line

High definition SLO and OCT imaging reveals hidden pathological changes



45° SLO imaging



16mm OCT imaging

## Macula Radial Lines

Have a glimpse of the retina via HD imaging and quick data analysis

ILM-RPE thickness map

ILM/RPE thickness profile

ILM-IPL thickness map

ILM/IPL thickness profile

Informative reports

## Macula Cube

Assessment of retinal thickness in 6x6 mm area

3D view

ILM-RPE thickness

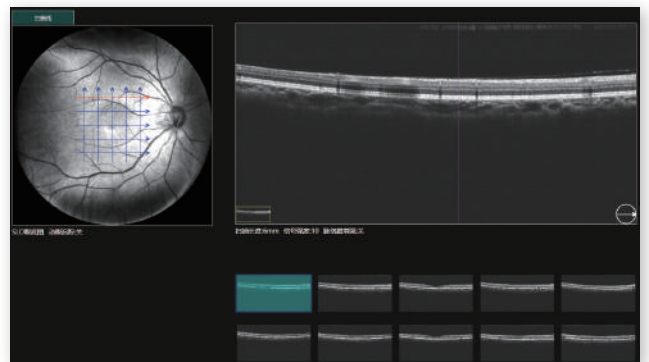
ILM-RPE thickness deviation

ILM-RPE volume

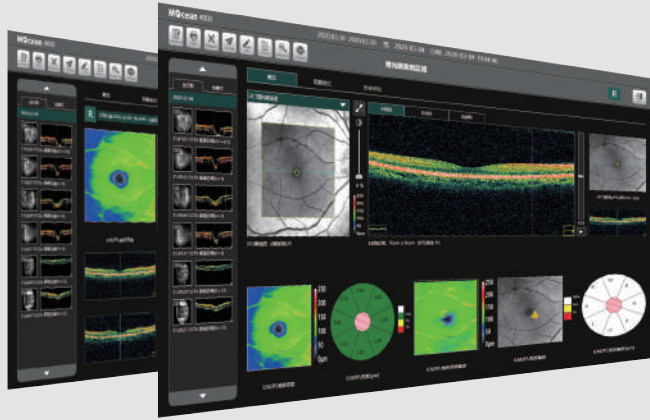
ILM-RPE volume deviation

## Macula Multi Lines

Multiple HD cross-sectional images acquisition



# GLAUCOMA



## Glaucoma (Macular)

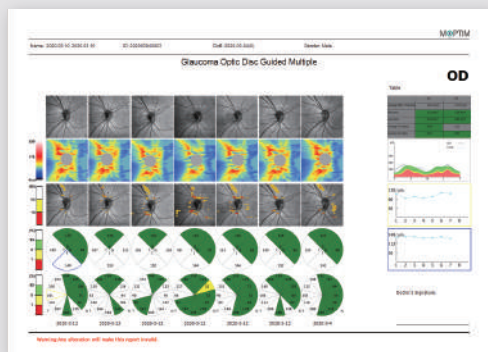
- ILM-IPL thickness analysis for early diagnosis of glaucoma
- Precise follow-up analysis powered by eye tracking

## Glaucoma (Disc)

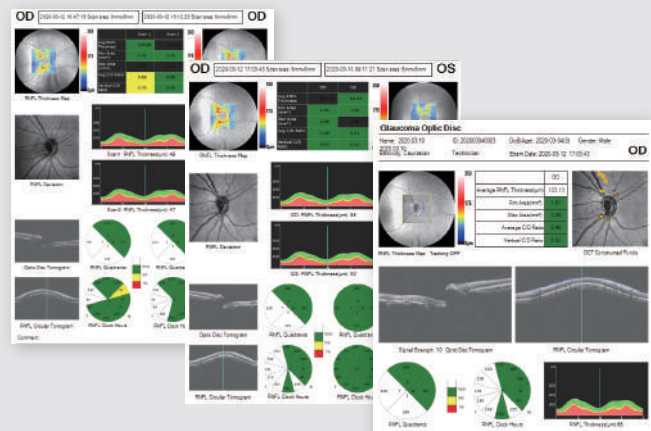
- RNFL analysis
- Cup-disc analysis



## Informative Reports



Progressive analysis

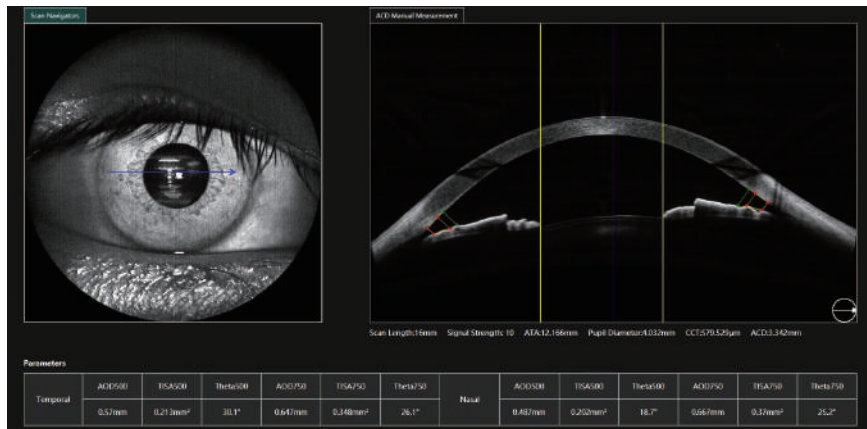




# ANTERIOR SEGMENT

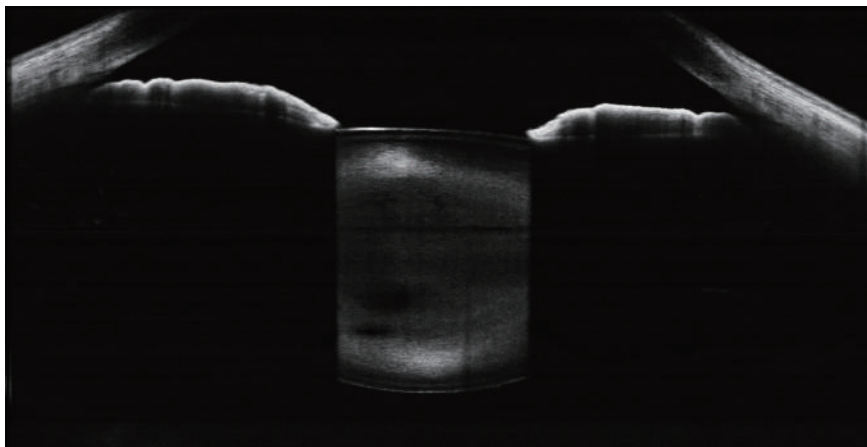
## Anterior HD Line

Standard mode

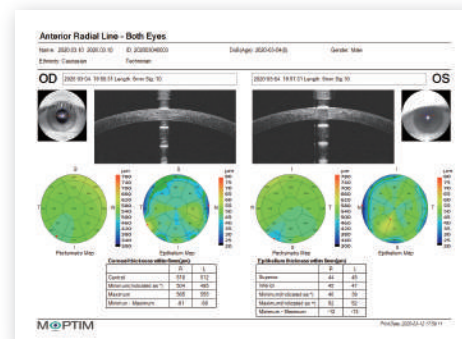
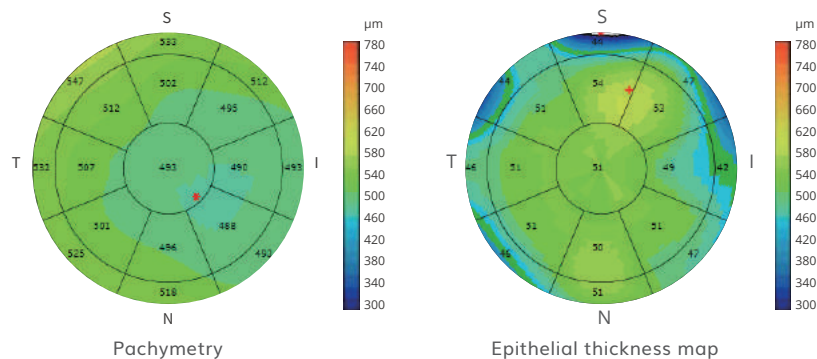


- Visualization of the entire anterior chamber (16 x 7.63 mm)
- In standard mode, the system images from the corneal front surface to the lens's front surface, while the software automatically calculates ACD, ATA, pupil diameter, CCT, AOD 500, TISA 500, AOD 750, and TISA 750
- In lens mode, the system captures images from the front to the back surface of the lens, automatically measuring lens thickness

Lens mode



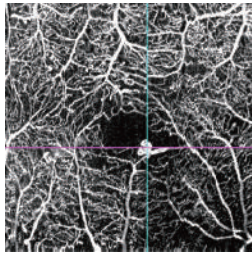
## Anterior Radial Lines



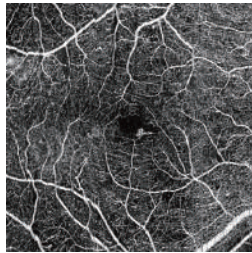
# VASCAN<sup>®</sup> OCT ANGIOGRAPHY (OPTIONAL)

## Scan Area

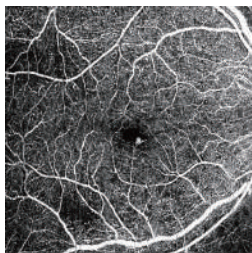
VASCAN provides a full view of the retina at 3x3, 6x6, 8x8mm or 12x8, disc at 4.5x4.5 or 6x6mm.



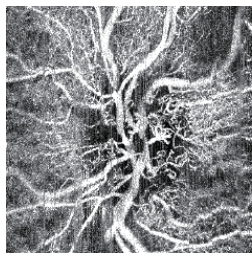
3 x 3 mm



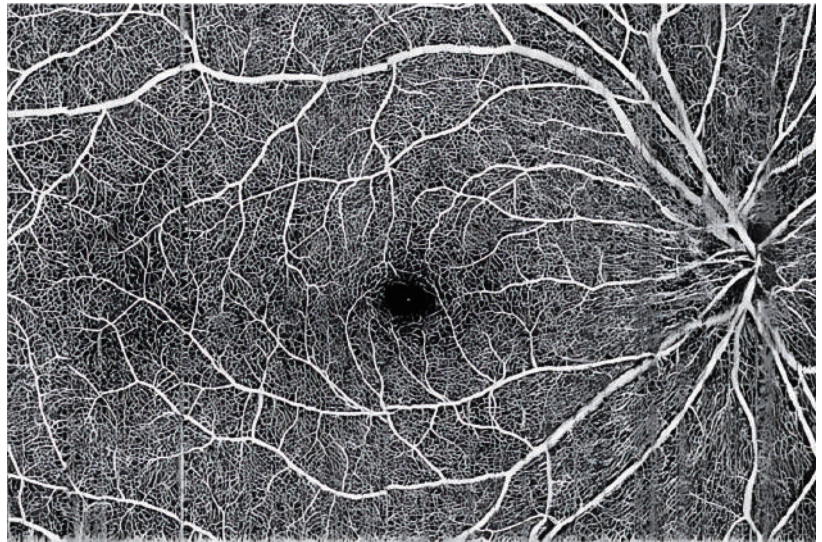
6 x 6 mm



8 x 8 mm



Disc 4.5 x 4.5 mm

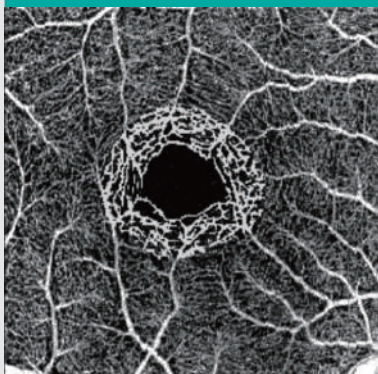


12 x 8 mm single scan

## Advanced Analysis

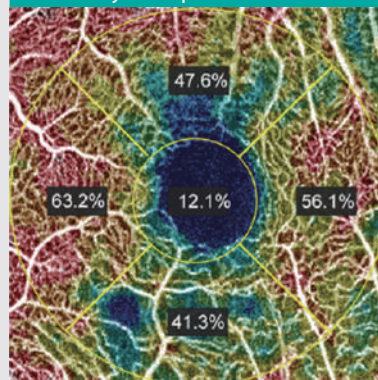
VASCAN offers comprehensive quantification features including vessel density, skeleton density, impairment and flow analysis.

### FAZ



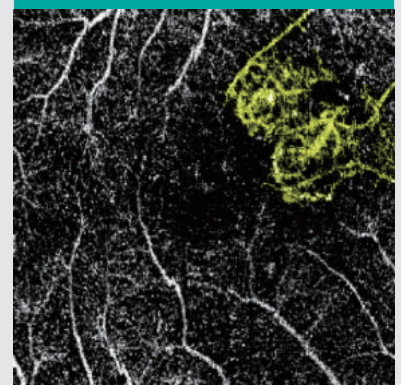
Measurements include FAZ area, perimeter, circularity, and FD 300

### Density / Impairment



Measurement of vessel density based on skeleton map and perfusion density based on binary map

### Flow



Measurement of flow area

# SPECIFICATIONS

## OCT IMAGING

|                            |   |
|----------------------------|---|
| Methodology                | Spectral domain OCT   |
| Optical source             | Superluminescent diode (SLD), 840 nm  |
| Scan speed                 | 80,000 / 120,000 A-scans/s  |
| Axial resolution (optical) | 5 microns (optical), 3.6 microns (digital)  |
| Transverse resolution      | 15 microns (optical), 3 microns (digital)   |
| A-scan depth               | 3.1 - 7.36mm  |
| Diopter range              | - 20 to + 20 diopters   |
| Scan patterns              | Macular: HD line (6 / 12 / 16mm), 3D (6 x 6mm), 6 radial lines<br>Multi lines (X-Y: 5 x 5 / X:10 / Y:10); Disc: 3D (6 x 6mm)<br>Anterior: HD line scan (6 / 16mm), 6 radial lines |

## FUNDUS IMAGING

|                        |   |
|------------------------|---|
| Methodology            | Line scanning laser ophthalmoscopy (LSLO) |
| Minimum pupil diameter | 3.0 mm                                    |
| Field of view          | 45 ± 1 degrees                            |

## VASCAN™ OCTA MODULE (OPTIONAL)

|                       |  |
|-----------------------|--|
| Scan patterns         | 3 x 3mm, 6 x 6mm, 8 x 8mm, 12 x 8mm  |
| Algorithm             | C-OMAG   |
| Segmentation options  | Encoded, vitreoretinal interface (VRI), superficial, intermediate, deep, outer retina, choriocapillaris, choroid, custom |
| Quantitative analysis | Retinal perfusion density, vessel density, FAZ indexes, flow area, impairment  |

## ELECTRICAL AND PHYSICAL

|                |                                   |
|----------------|-----------------------------------|
| Weight         | 30.5kg                            |
| Dimension      | 532mm (L) x 360mm (W) x 540mm (H) |
| Source voltage | AC 100 - 240V, 50Hz - 60Hz        |
| Power input    | 90VA                              |

\* Specifications are subject to change due to product improvement.



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