



| 400KHz | Full-Range SS-OCT |

TOWARD π

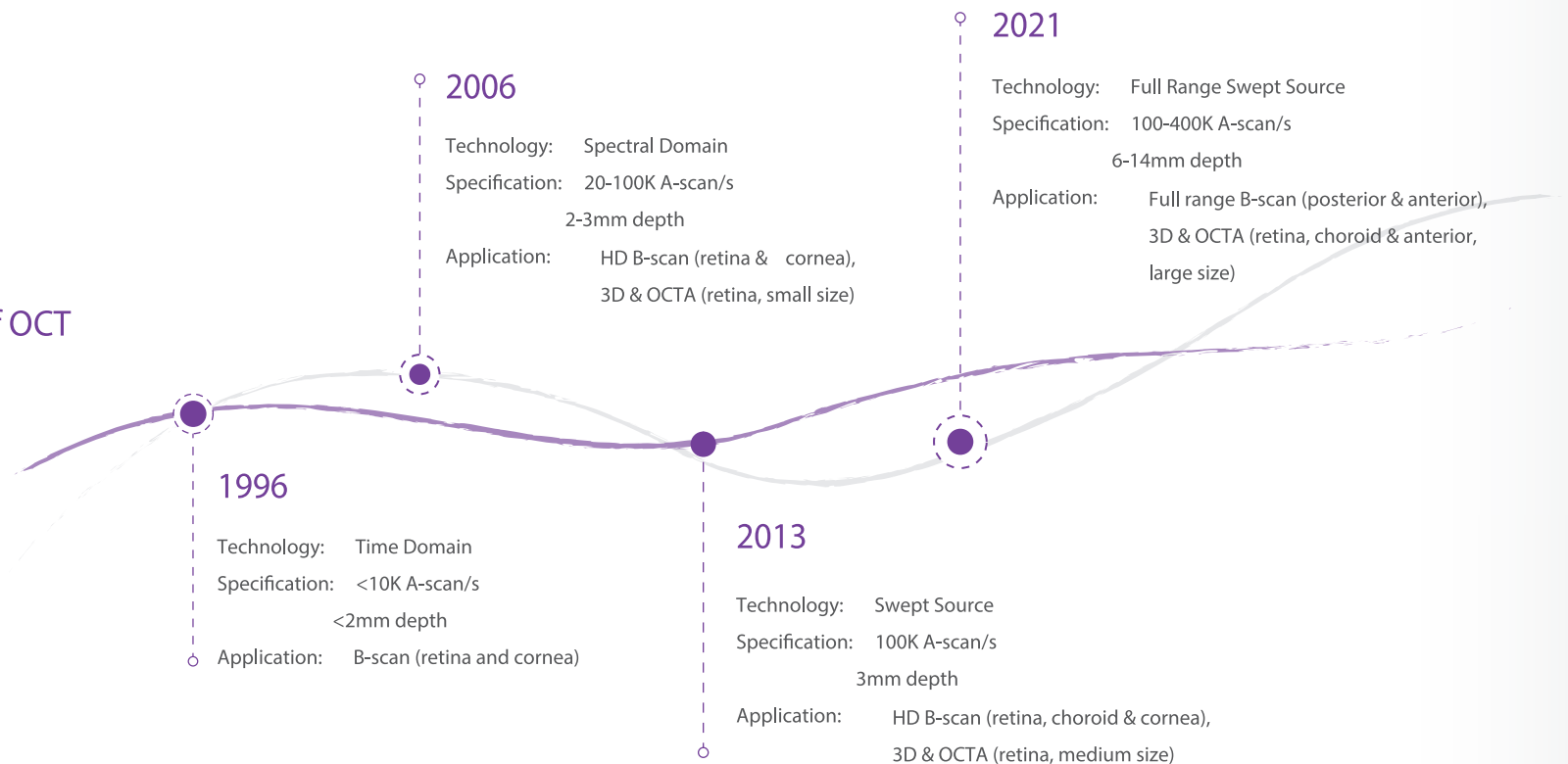
Medical Technology

Founded in 2017, originated from top scientific and technological achievements of Tsinghua University. Supported by billions size industry funds. TowardPi develops cutting-edge swept source OCT and optical biometers. More hi-end ophthalmic devices including endoscopic OCT, microscope, ultra-wide-field fundus camera, etc. are in the line of our R&D as well.

OCT

The development of OCT

The development of OCT leads us to the latest generation of full range swept source OCT technology. Go faster, deeper, wider and sharper!





BMizar



400K Hz A-scan speed

Full-Range wide-field with high resolution

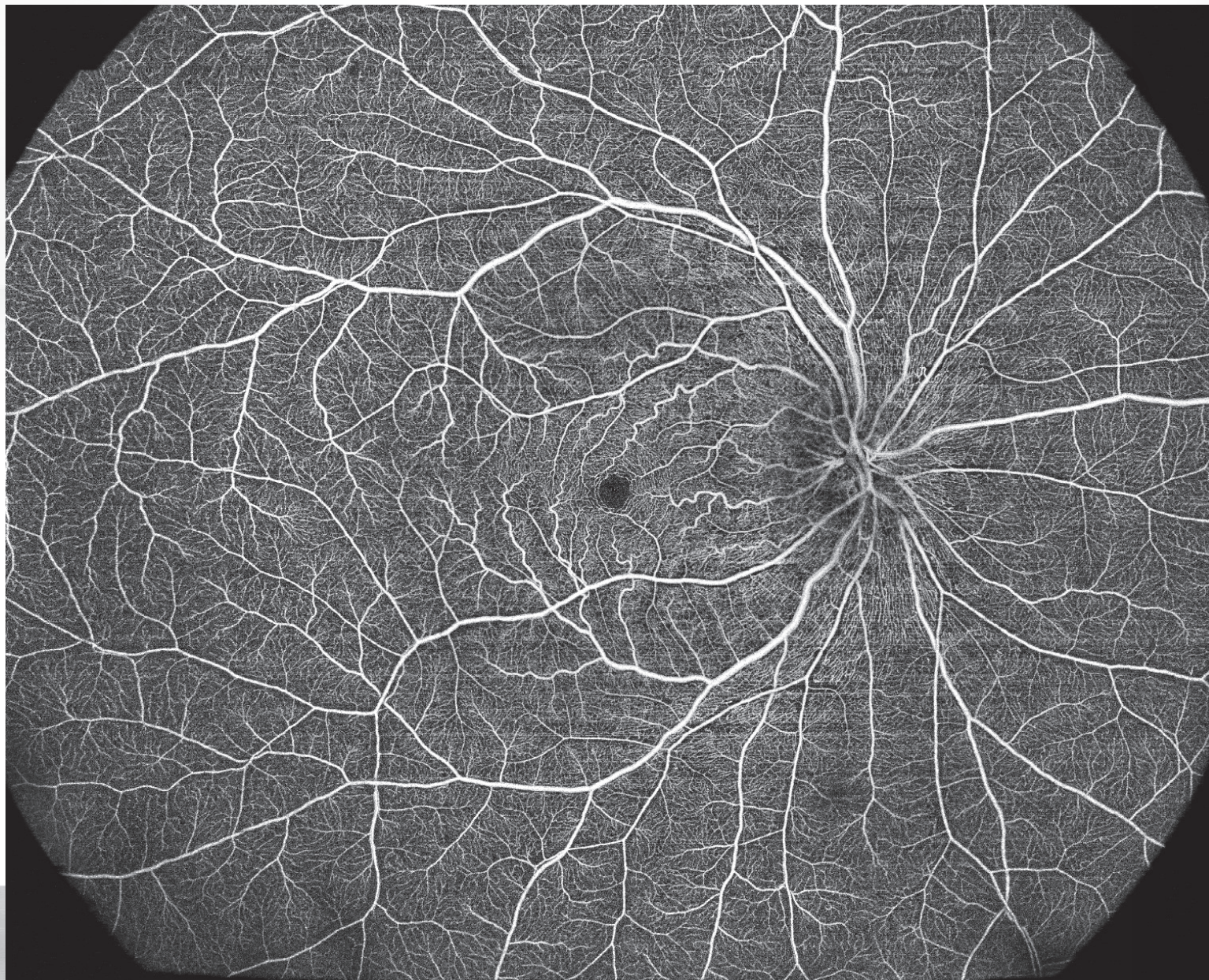
- 6mm scanning depth
- 24mm B-scan length
- 24 x 20mm OCTA
- 3.8 μm Axial optical resolution
- 1060nm wavelength
- 10 Billion maximal voxels
- Structure and flow quantification

Full Range Swept Source

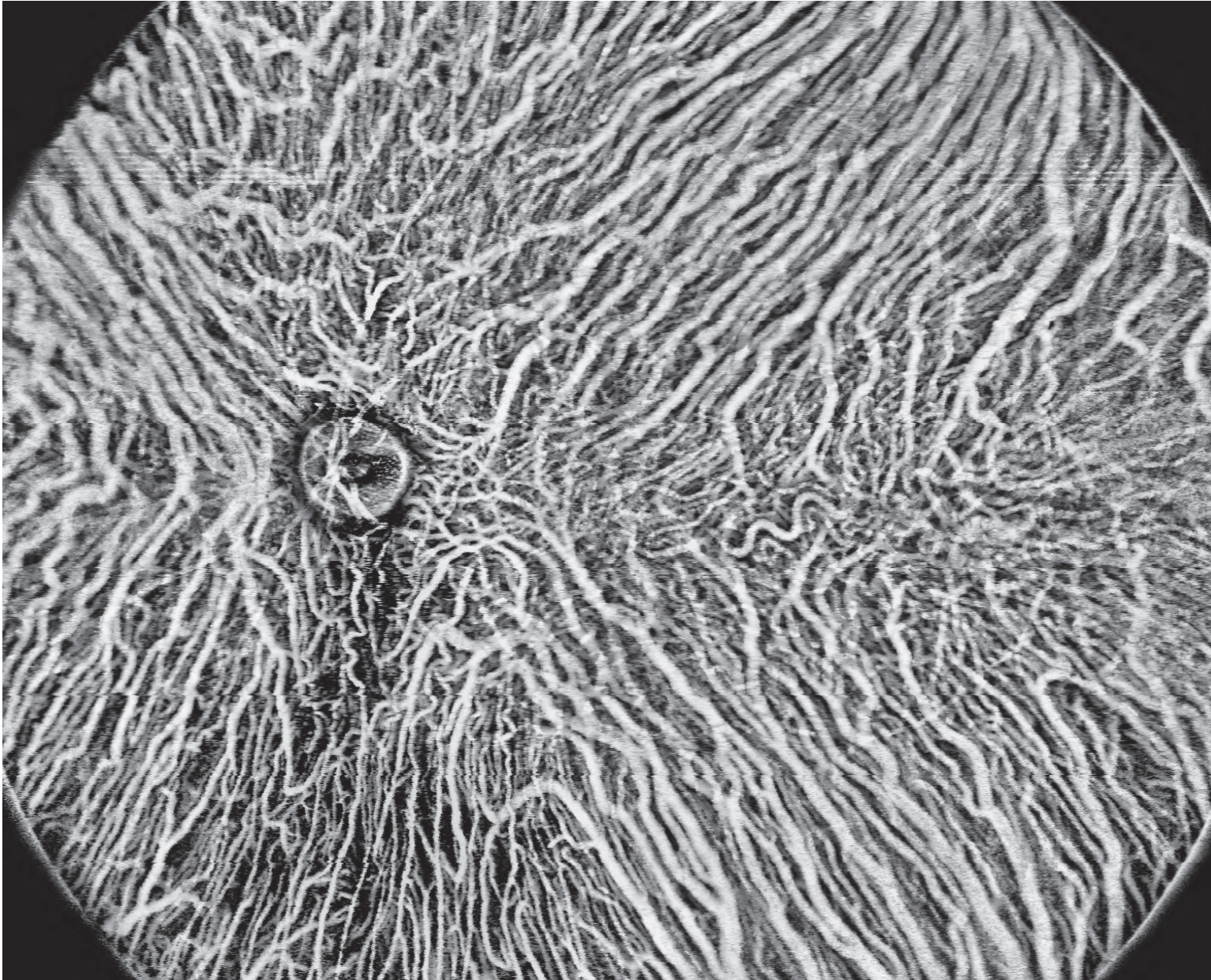
OCT

TowardPi New Flagship

One
Capture
Non-montage



Full Range retina vessels



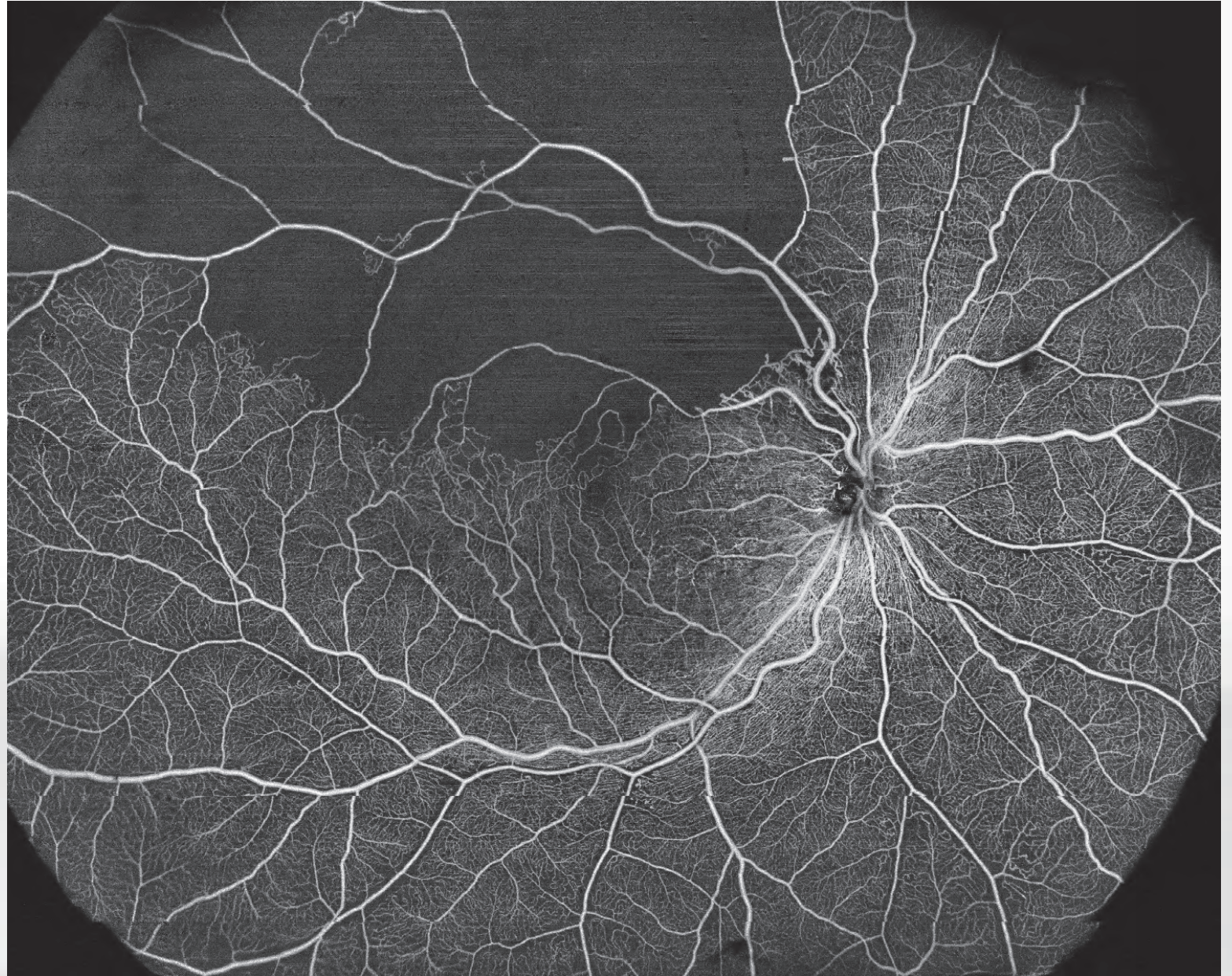
24 x 20 mm

OCTA

(Acquisition time \approx 15 seconds)

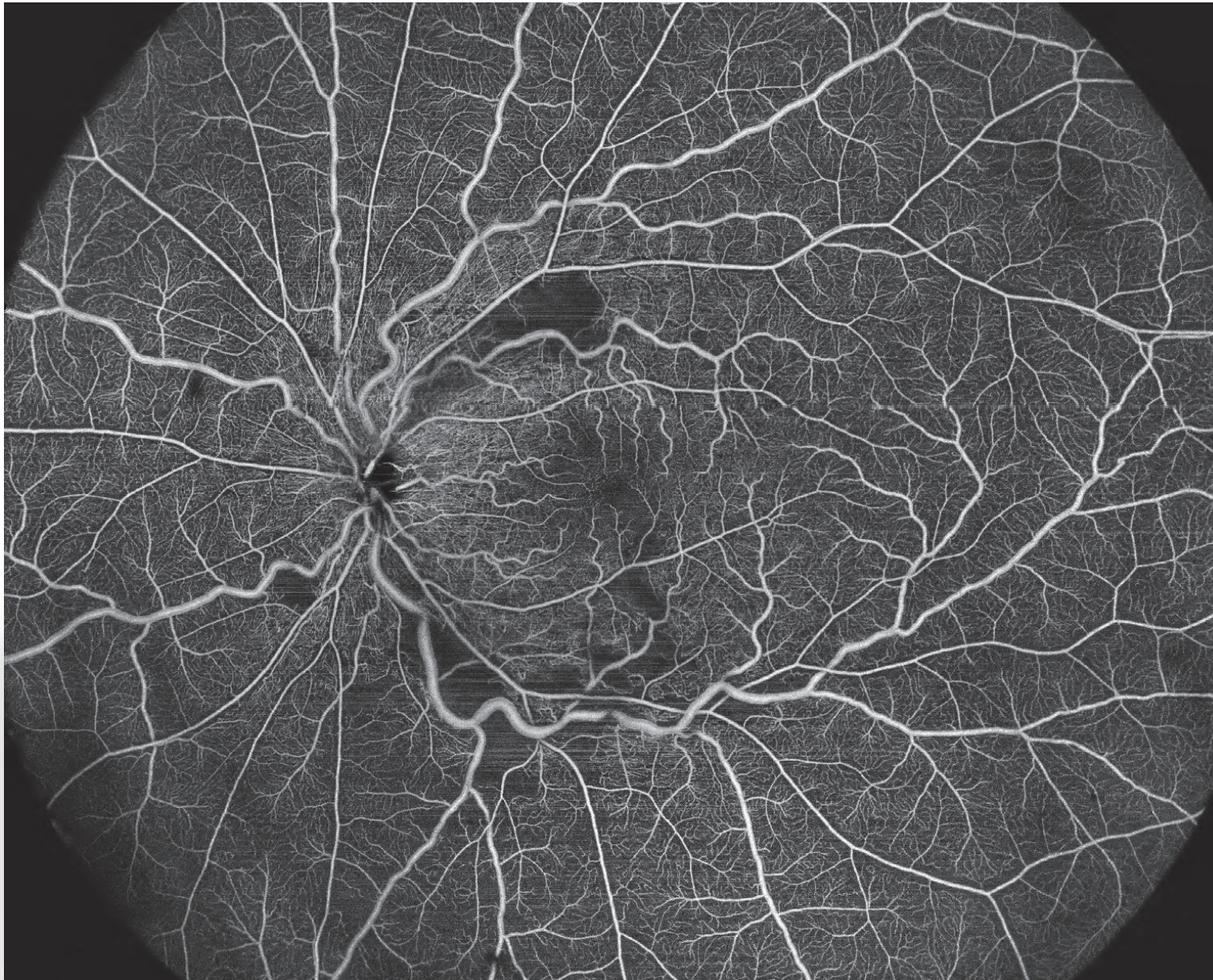
Full Range Choroid vessels

Full Range Wide-field OCTA



Branch Retinal Vein Occlusion

Image courtesy: Prof. MingWei Zhao

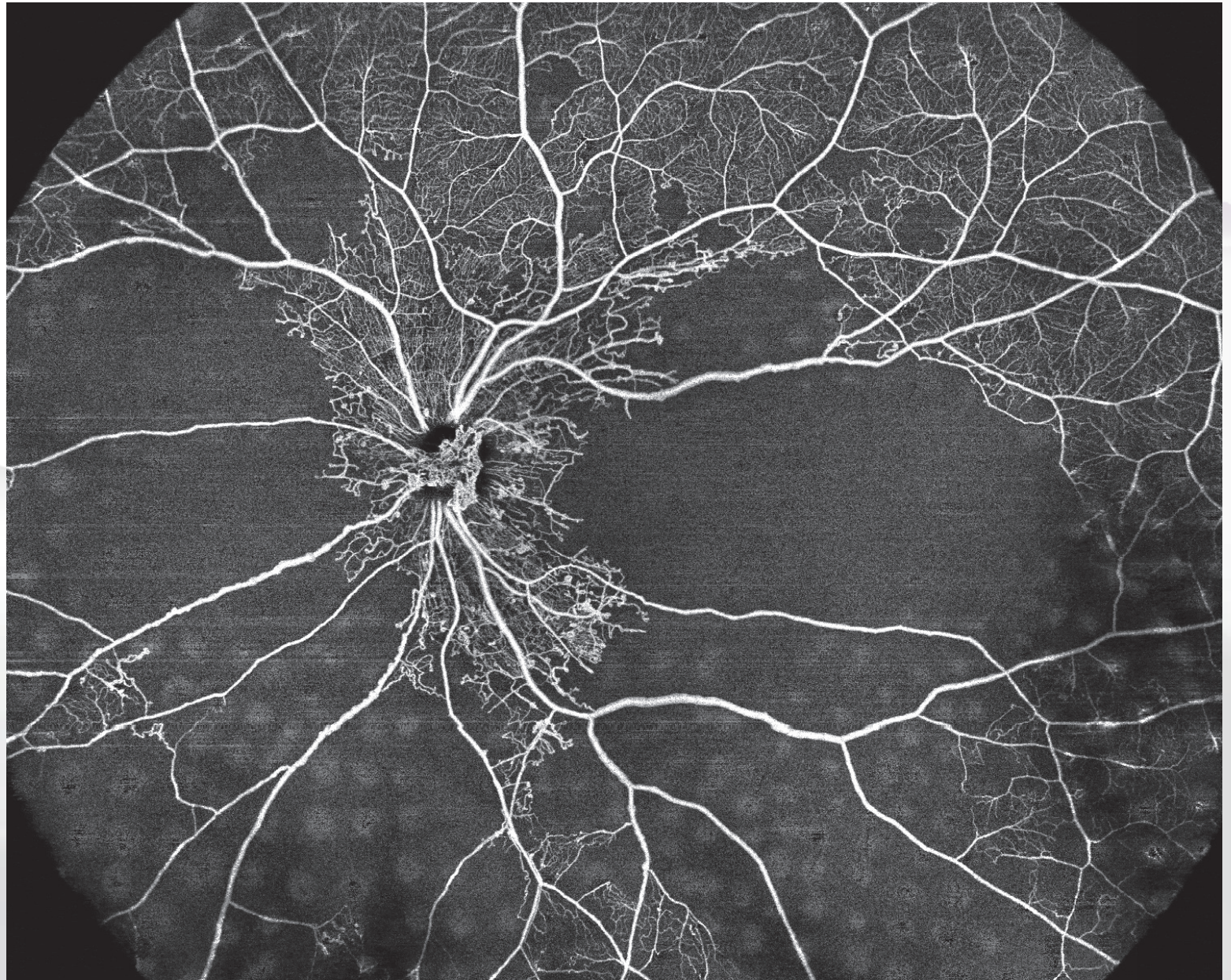


One Capture Non-montage

Retinal Vasculitis

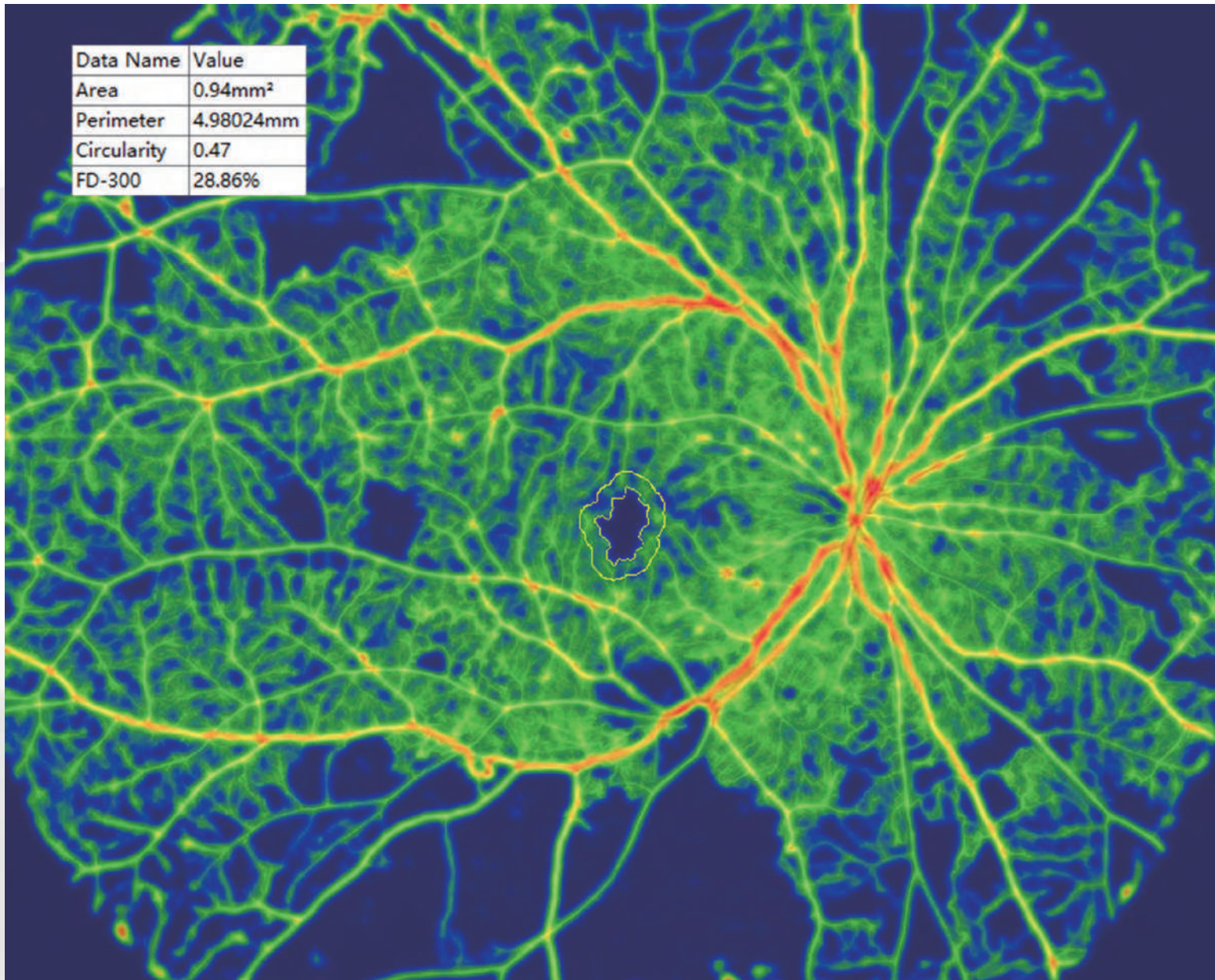
Image courtesy: Dr. YaoYao Sun

Full Range
Wide-field
OCTA



Proliferative Diabetic Retinopathy with NVD

Image courtesy: Prof. YouXin Chen



24 x 20 mm

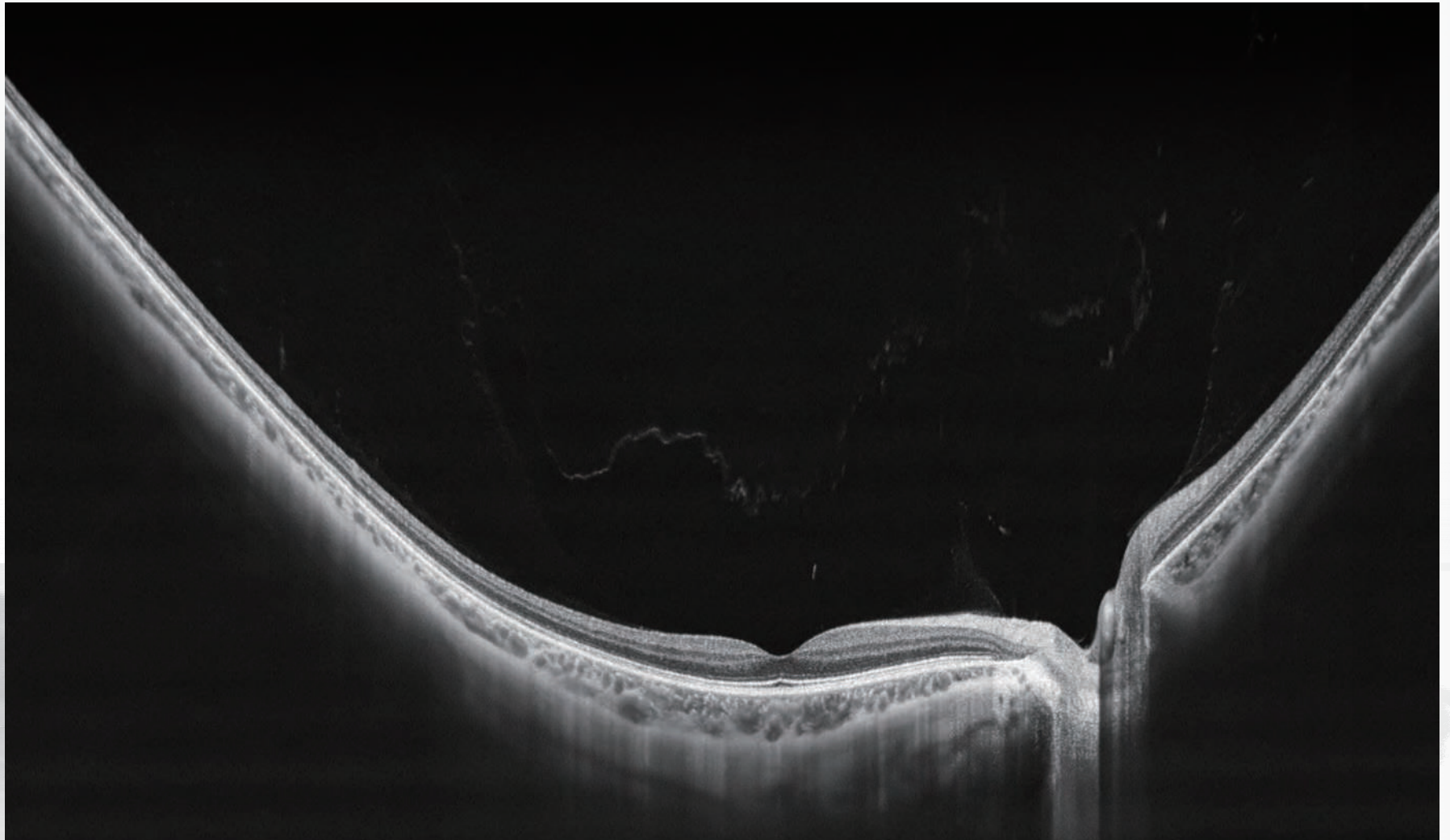
OCTA

(Acquisition time ≈ 15 seconds)

Flow density & FAZ indexes, Diabetic Retinopathy

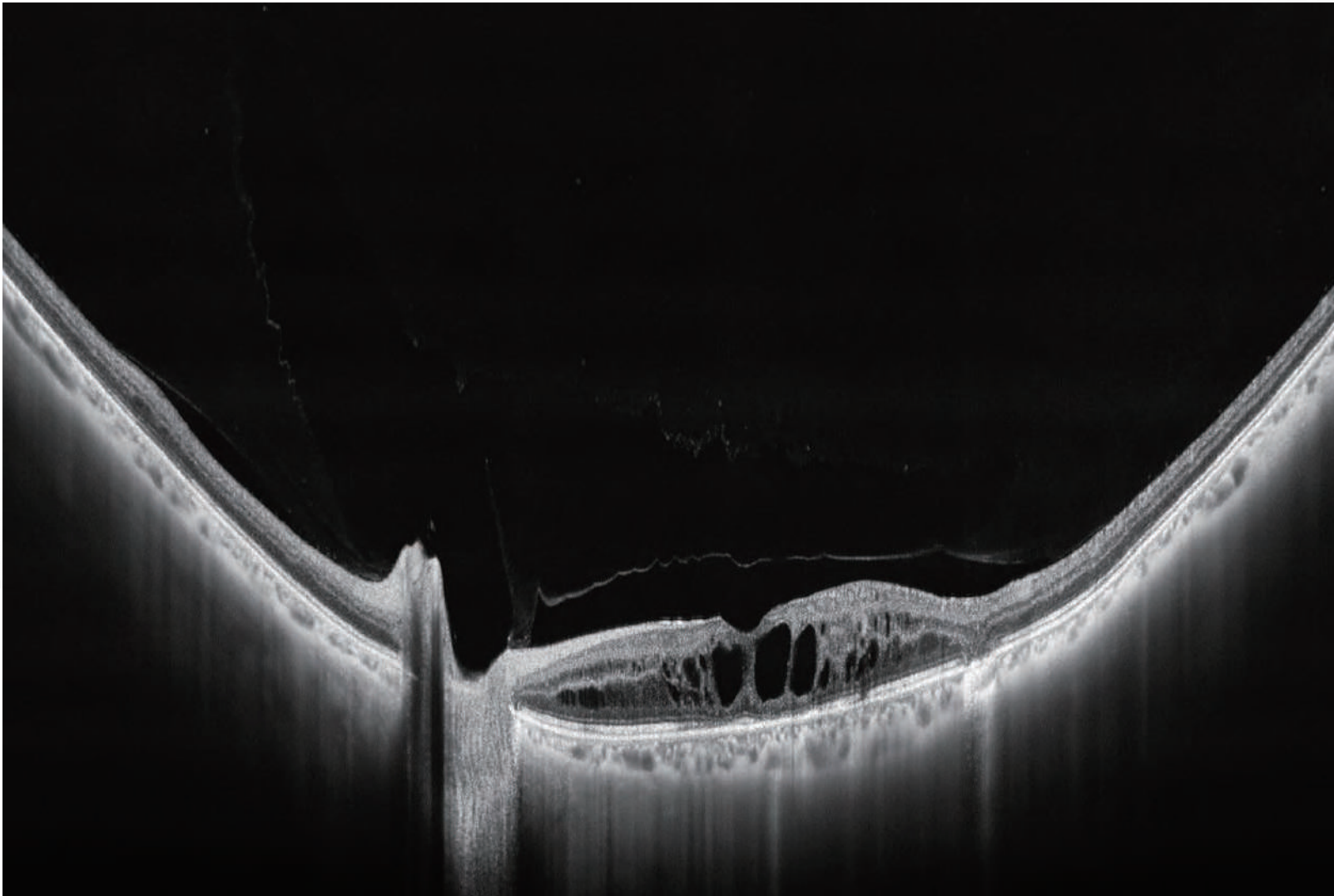
Image courtesy: Prof. HuiJun Qi

One Capture Non-montage



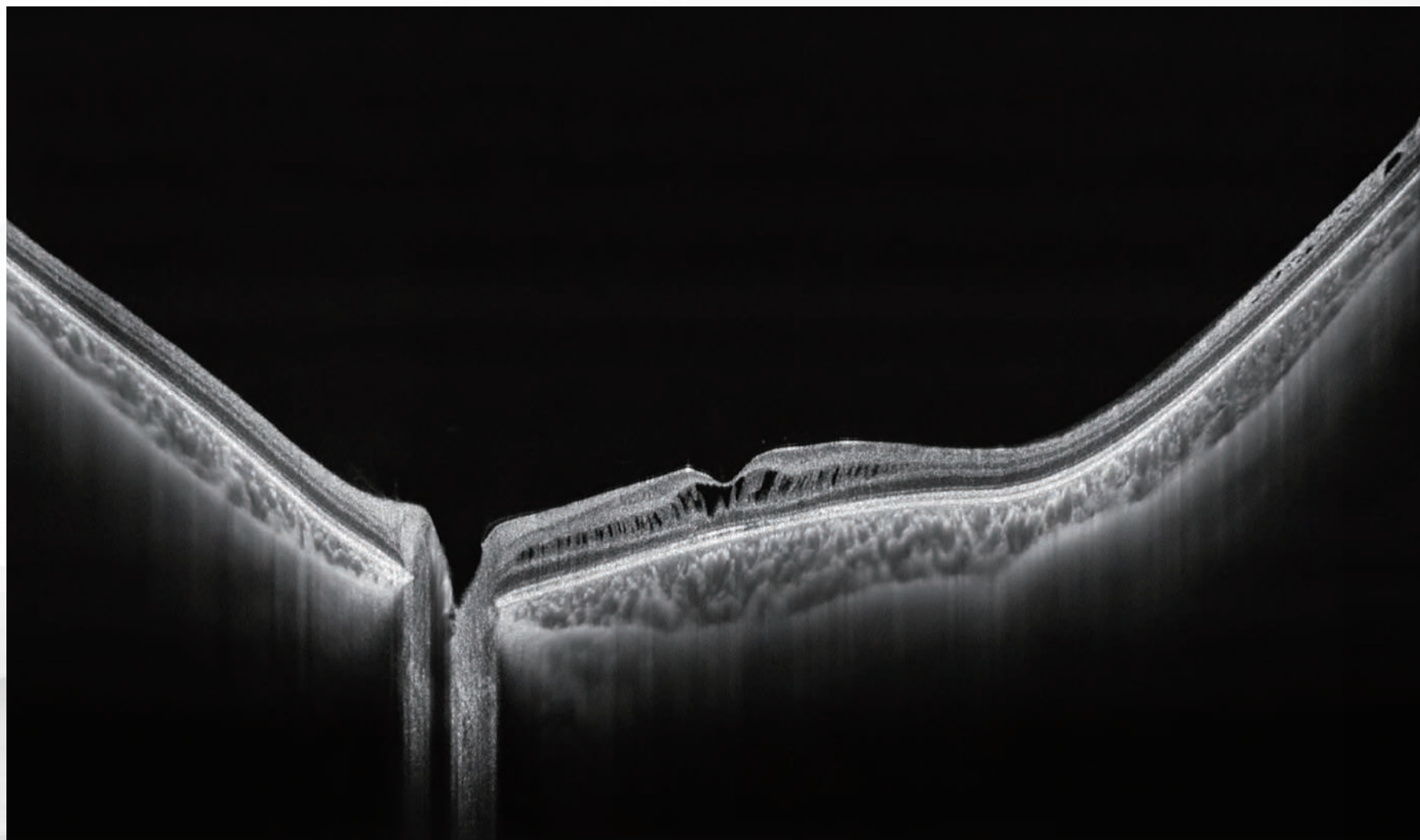
Normal Eye (vitreous, retina and choroid)

24 mm length, 6 mm depth OCT B-scan



Cystoid macular edema

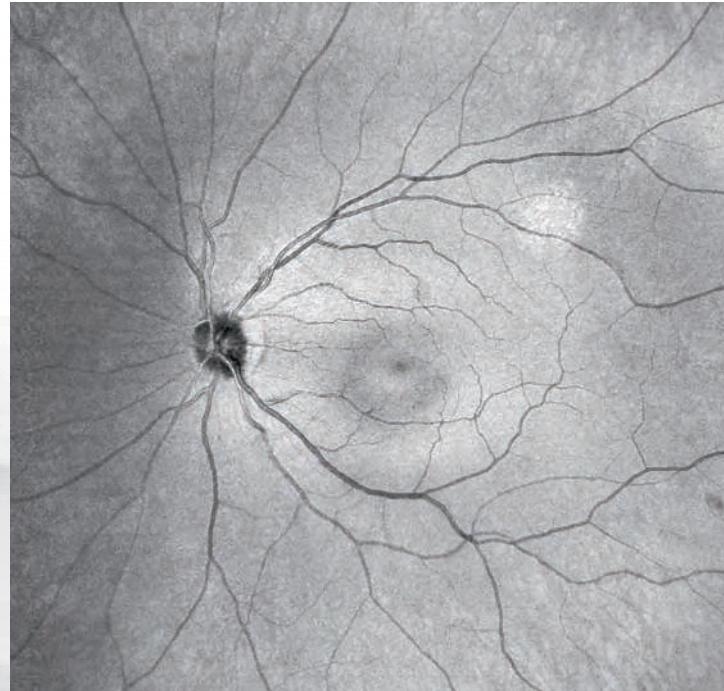
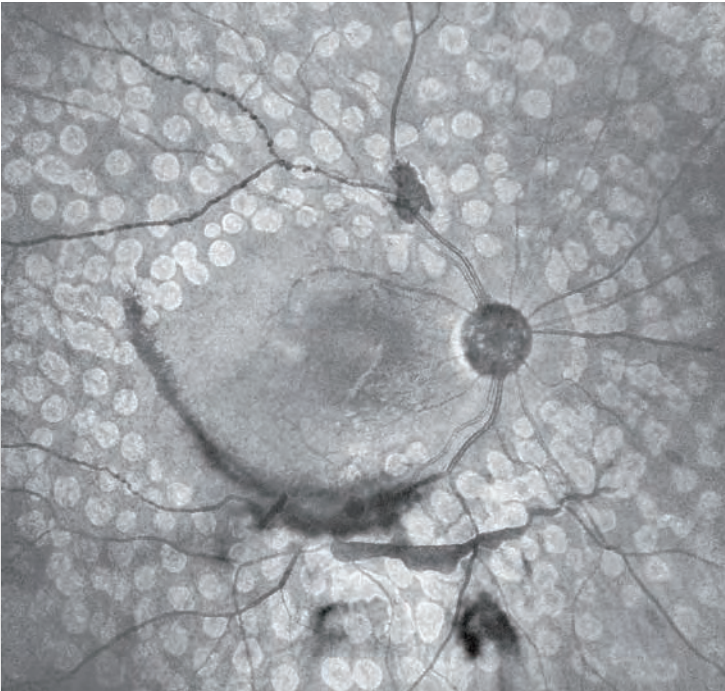
One Capture Non-montage



Retinoschisis

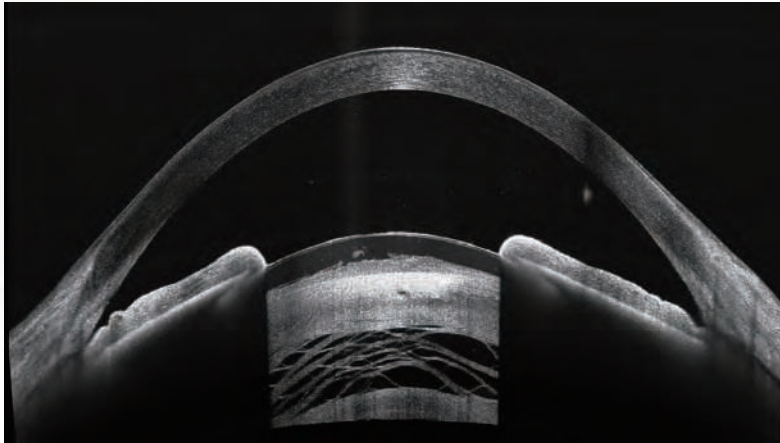
Confocal scanning

laser ophthalmoscopy (SLO)
80° field of view

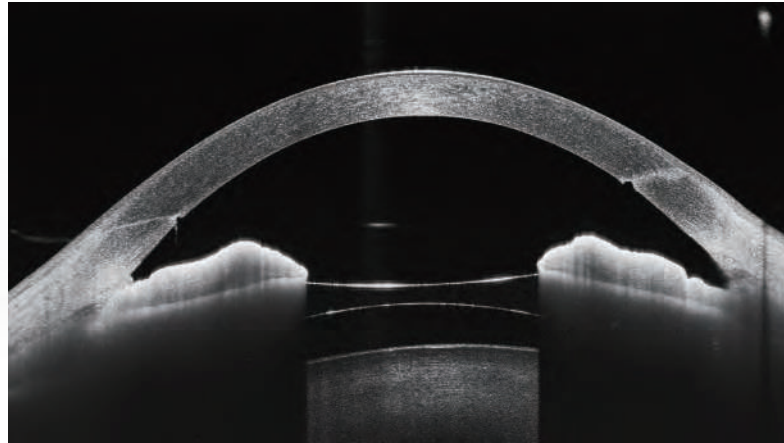


SLO fundus image

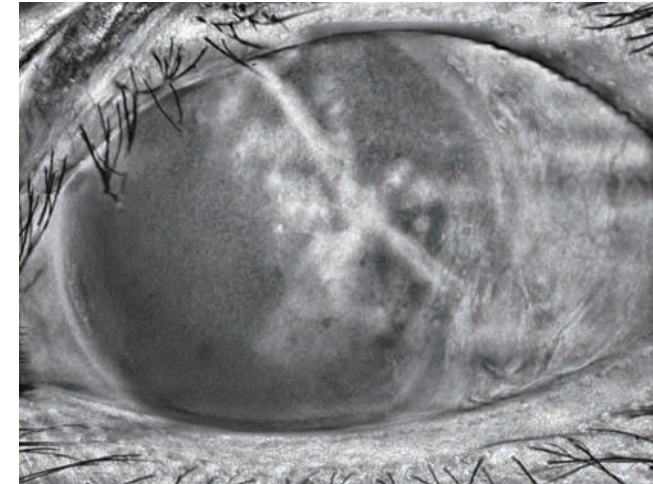
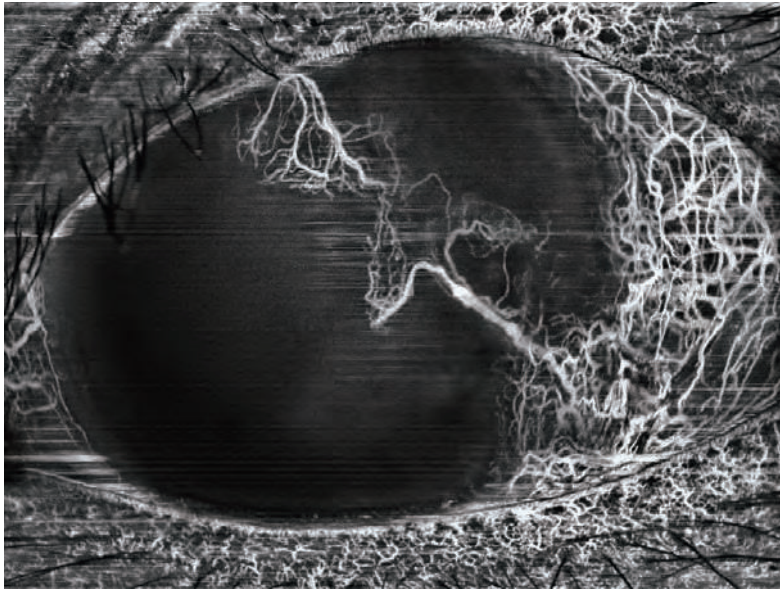
HD Anterior Scan



Cataract



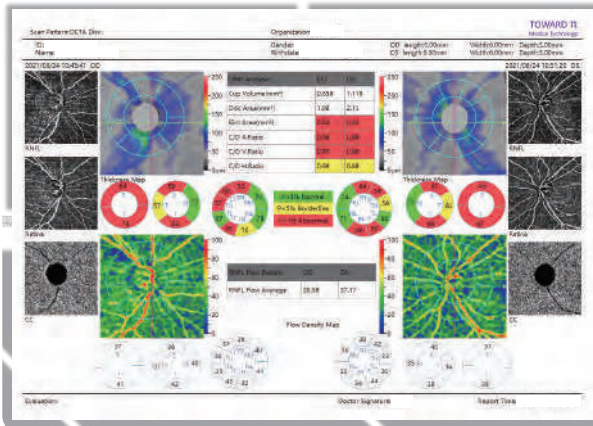
Phakic IOL (ICL)



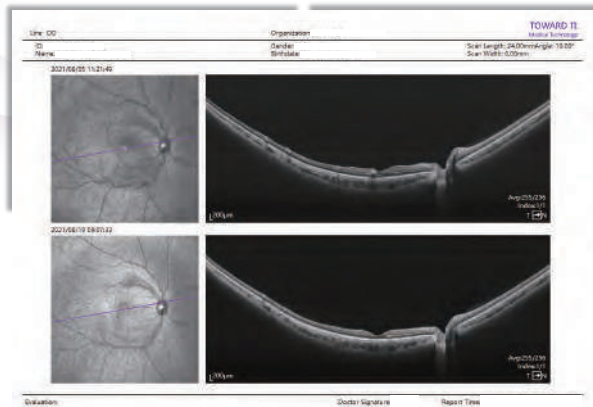
Corneal Neovascularization
(Image courtesy: Prof. AiJun Deng)

Comprehensive Reports

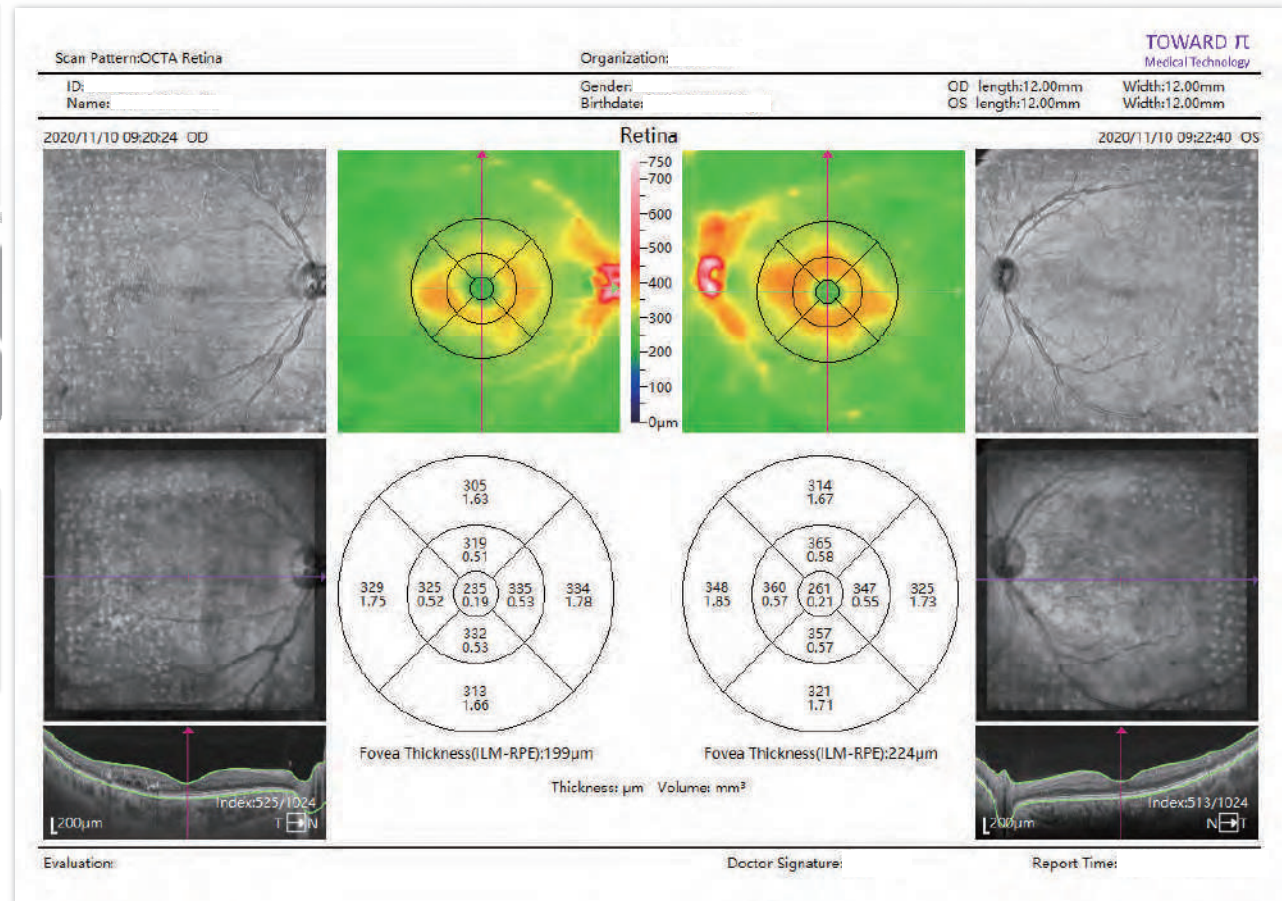
Scan reports can be derived with numerous content according to patterns, slices, slabs, measurements, analysis, etc.



Glaucoma analysis (structure & flow)



Follow-up report



OU report

Specification (BM-400K)

⊗ Speed	400,000 A-scan/sec	⊗ Depth (posterior)	6mm	⊗ Max. Length (Line)	24mm
⊗ Axial optical resolution	3.8 μ m	⊗ Depth (anterior)	6mm	⊗ Max. width (OCTA)	24mm
⊗ Axial digital resolution	1.4 μ m	⊗ Field of view	81° x 68°	⊗ Eye tracking speed	128Hz

2nd km Katerinis-Elassonas,
60150 Katerini, Greece
Branch: Evelpidon 61-63, 11362 Athens, Greece

Tel: +30 23510 79750 / +30 210 5750572
e-mail: info@optohellas.com
<http://www.optohellas.com>

optohellas
1st EMEA & LATAM Representation Platform