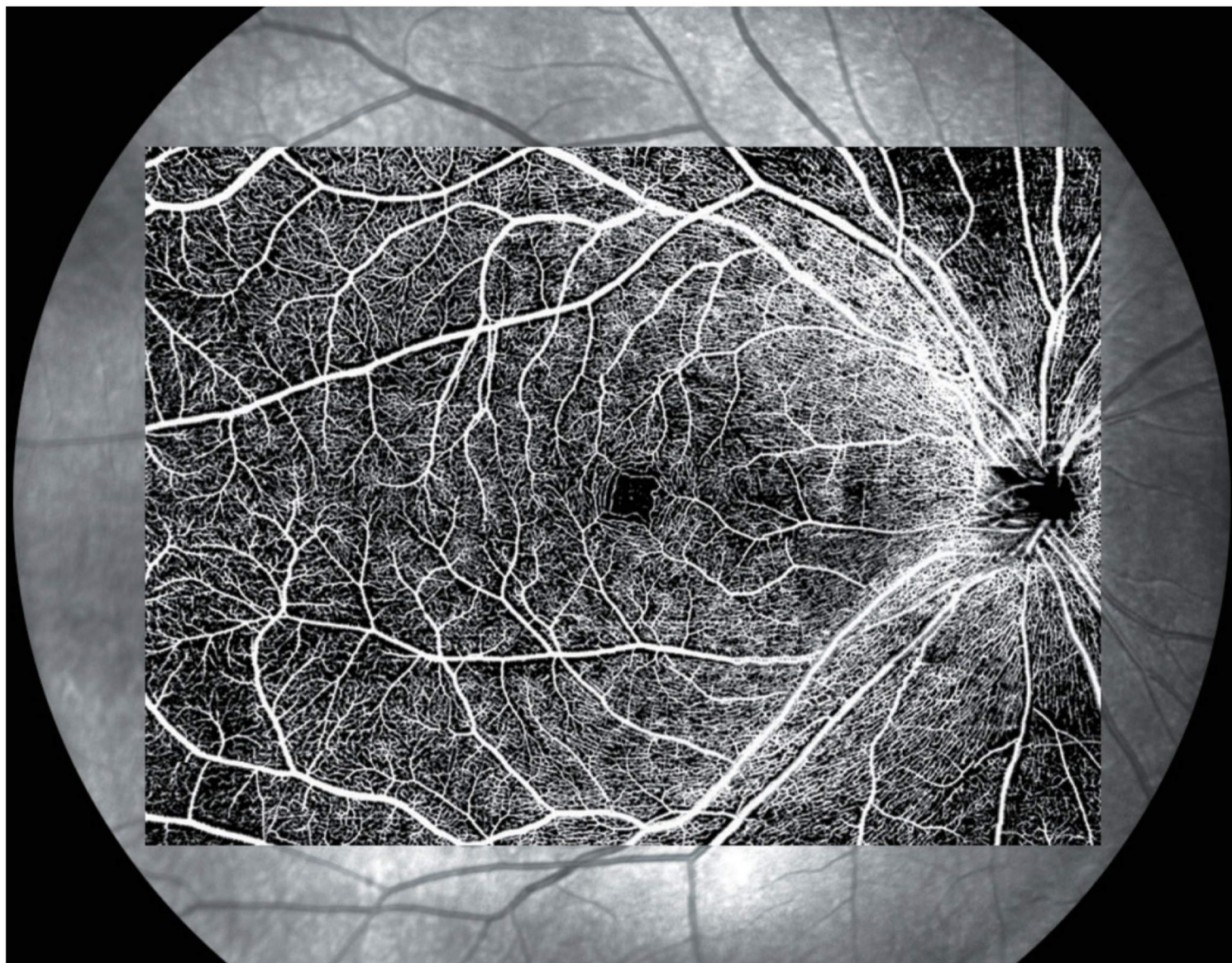


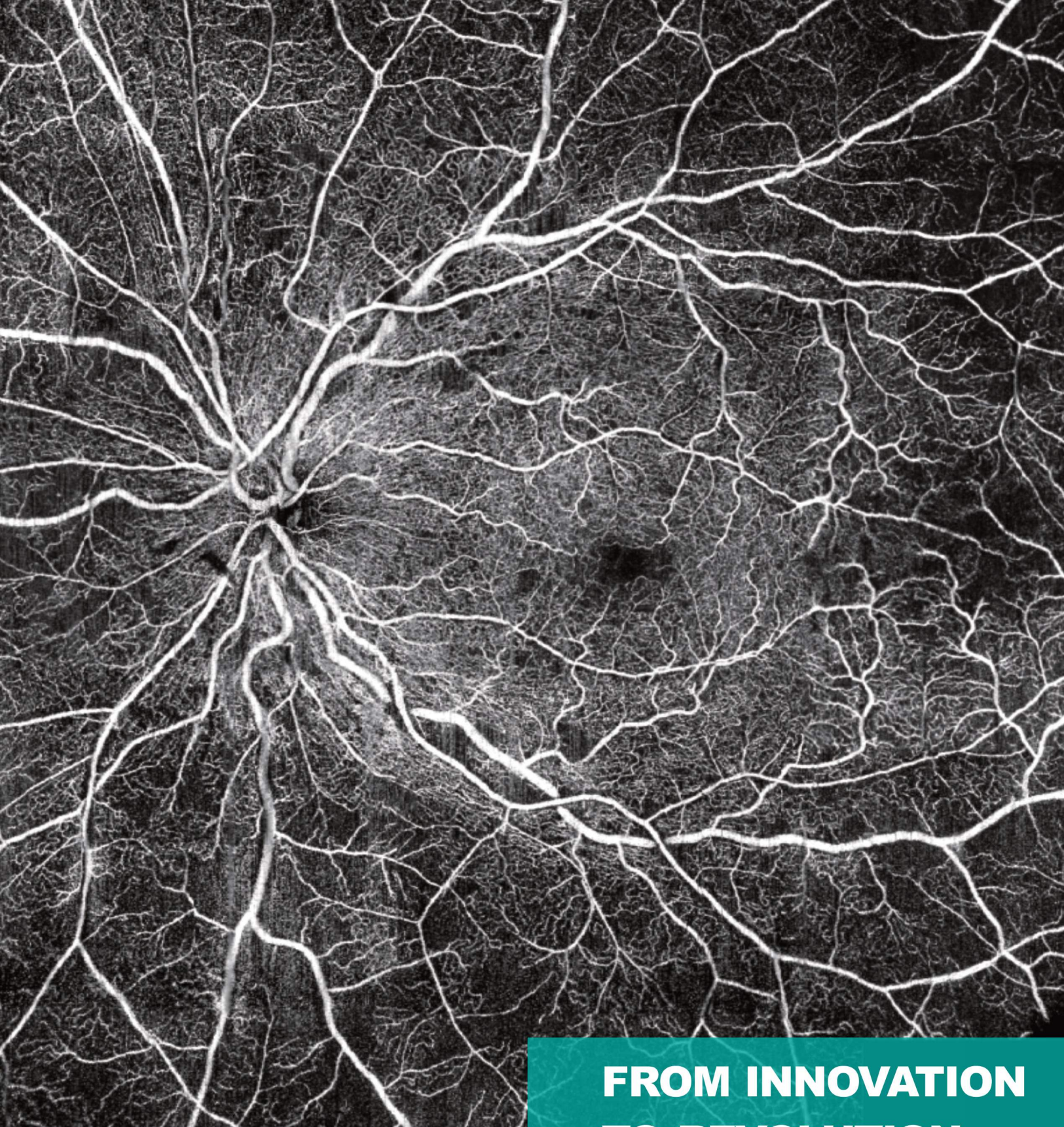
M^{OPTIM}



VASCAN™
ANGIOGRAPHY

DTY Optical
flexible solutions you can trust

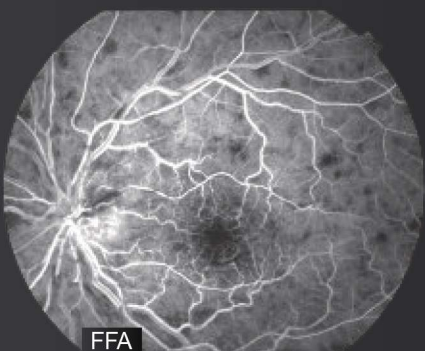
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FROM INNOVATION TO REVOLUTION

Moptim VASCAN ultra-wide angiography montage

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



FFA



VASCAN OCTA MODULE

VASCAN Essential

- 7 Layers Segmentation

- Scan Area

Retina: 3 mm x 3 mm	256 x 256
12 mm x 8 mm	540 x 360
Disc: 4.5 mm x 4.5 mm	512 x 512
6 mm x 6 mm	512 x 512



VASCAN Advanced

- 7 Layers Segmentation

- Scan Area

Retina: 3 mm x 3 mm	256 x 256
6 mm x 6 mm	512 x 512
8 mm x 8 mm	512 x 512
12 mm x 8 mm	540 x 360
Disc: 4.5 mm x 4.5 mm	512 x 512
6 mm x 6 mm	512 x 512

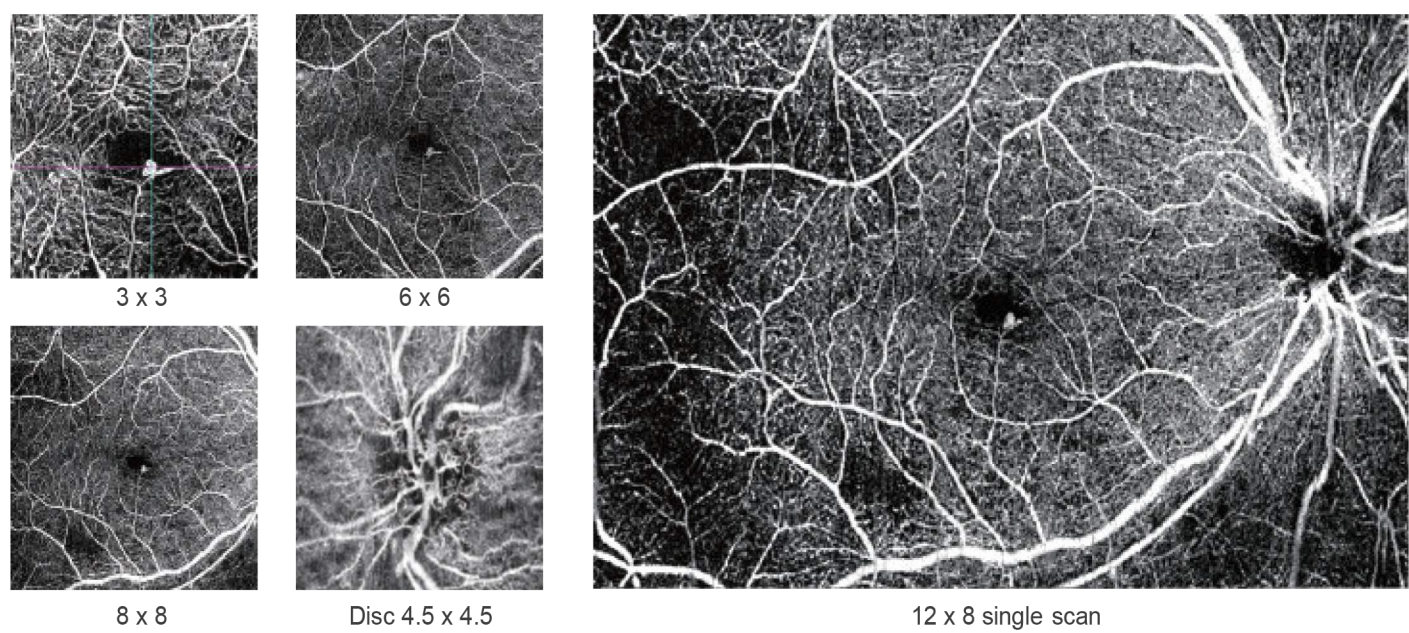
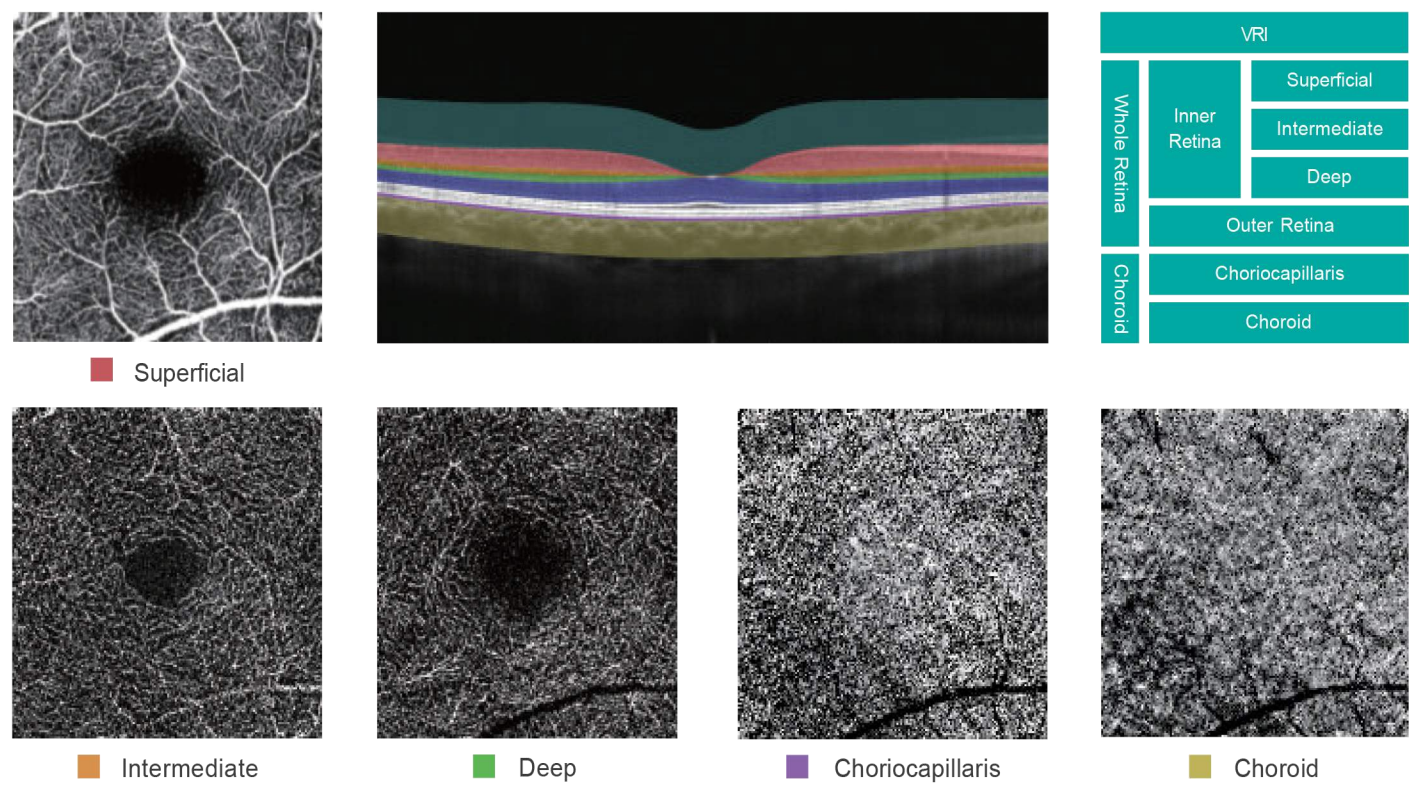
- Quantitative Analysis

Density / FAZ / Impairment / Flow Analysis

VASCAN OCT ANGIOGRAPHY

7 Layers Segmentation

VASCAN OCTA enables non-invasive vascular imaging of retinal vessels at 7 slabs and optic disc vessels at 4 slabs



* Only 3x3, 12x8 for retina, and 4.5x4.5, 6x6 for disc scan patterns are available in VASCAN Essential.

VASCAN INNOVATIONS

HD ULTRACLEAR

Ultraclear angiographic imaging powered by **COMAG** algorithm using phase and amplitude signals



WIDE

Widefield OCTA imaging up to **12 mm x 8 mm**



ACCURATE

SLO-based **real-time retinal tracking** effectively reduces motion artifacts and allows precise follow-up
Advanced **projection artifact removal** algorithm ensures accurate visualization of the retinal vasculature

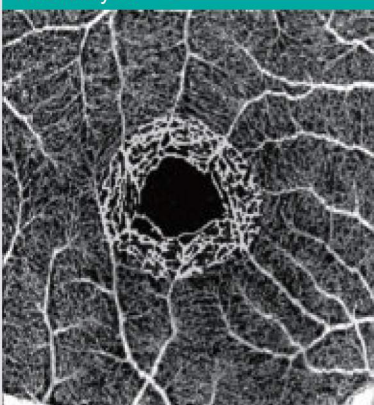


INFORMATIVE

Informative quantitative analysis including density, FAZ, impairment and flow analysis

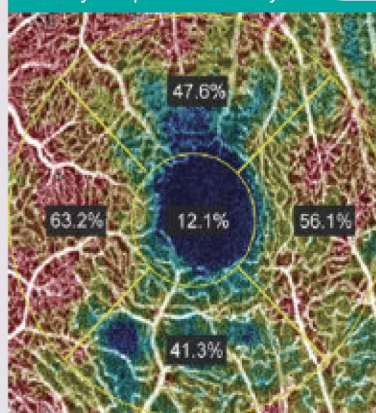


FAZ Analysis



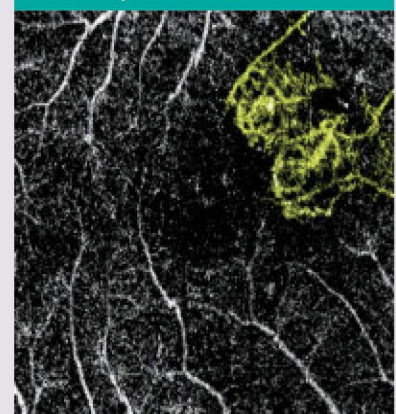
Measurements include FAZ area, perimeter, circularity, and FD 300.

Density / Impairment Analysis



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

Flow Analysis



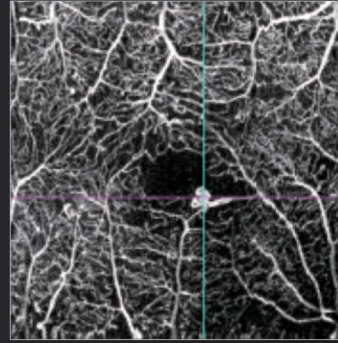
Measurement of flow area based on VRI, outer retina, choriocapillaris and choroid slabs.

VASCAN CLINICAL CASES

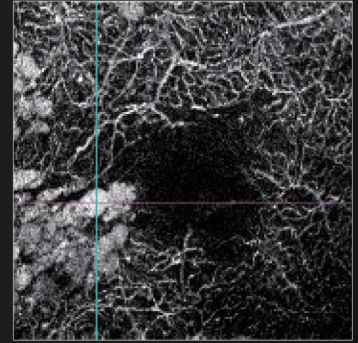
Diabetic Retinopathy (DR)



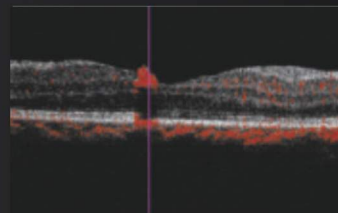
Superficial 12x8 image overlaid onto SLO fundus image



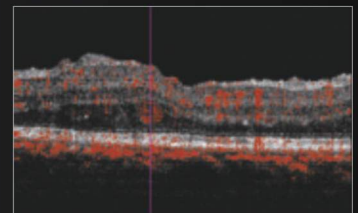
Superficial 3x3



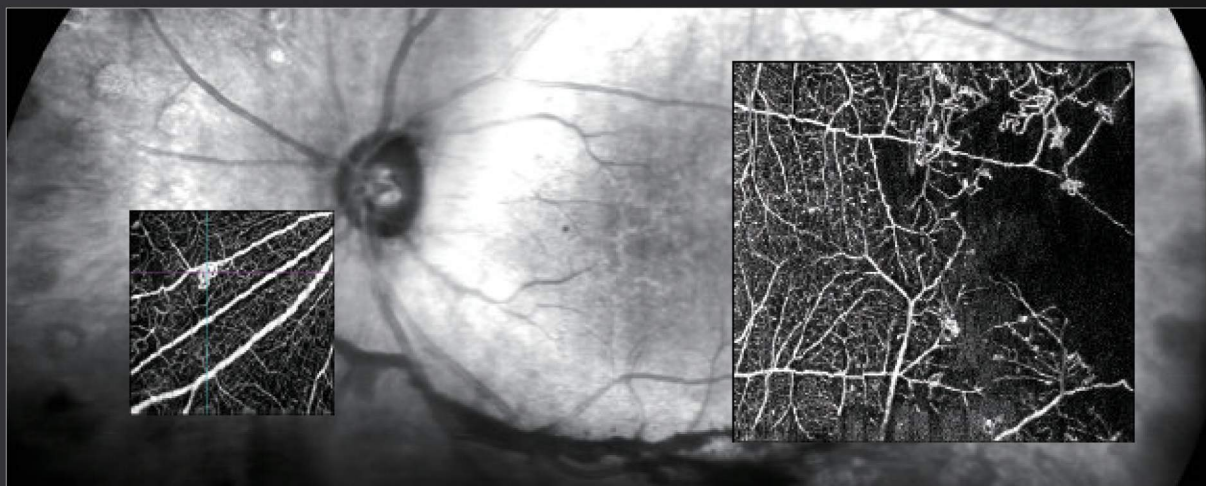
Deep 3x3



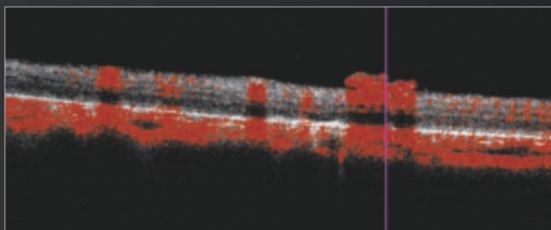
Corresponding OCT B-scan



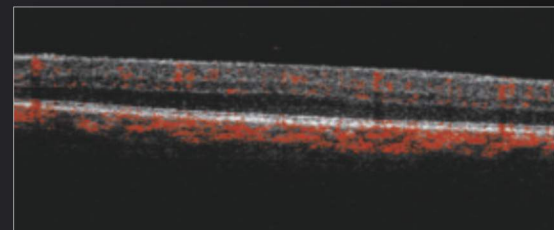
Corresponding OCT B-scan



Superficial 3x3, 6x6 images overlaid onto SLO fundus image

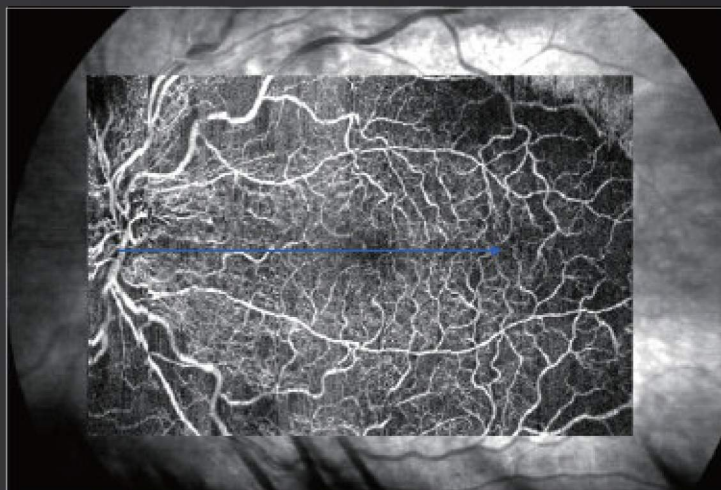


Corresponding OCT B-scan

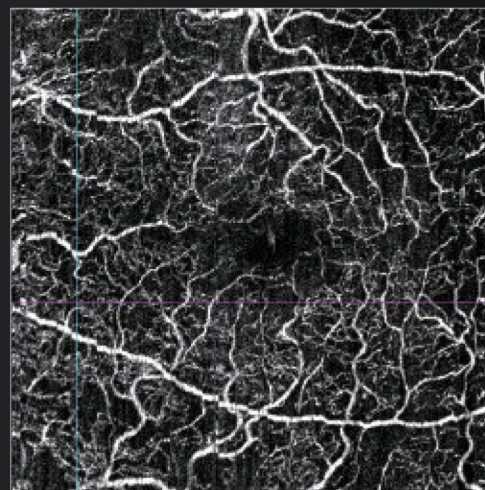


Corresponding OCT B-scan

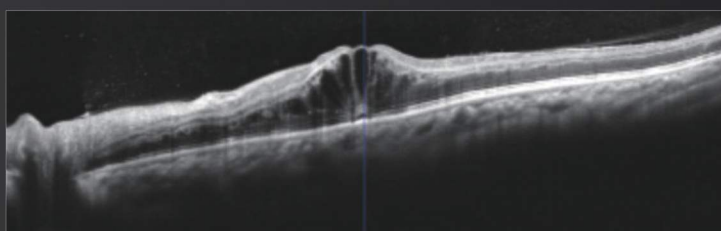
Central Retinal Vein Occlusion (CRVO)



Superficial 12x8 image overlaid onto SLO fundus image



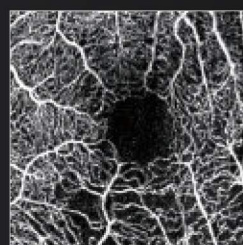
Superficial 6x6



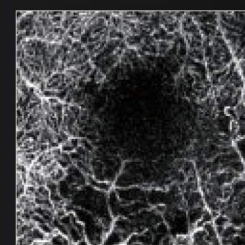
Corresponding OCT B-scan



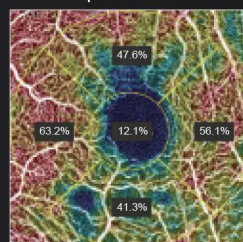
Superficial 12x8 image overlaid onto SLO fundus image



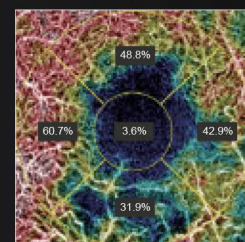
Superficial 3x3



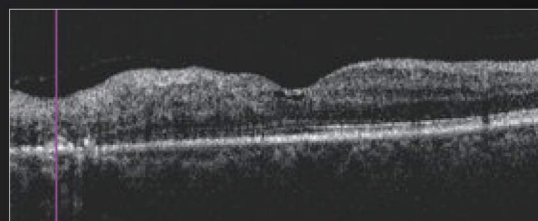
Deep 3x3



Superficial density map



Deep density map



Corresponding OCT B-scan

SPECIFICATIONS

Scanning Speed	80,000 A-scans per second
Tracking System	SLO-based real-time retinal tracking
OCTA Enface Segmentation	VRI, superficial, intermediate, deep, outer retina, choriocapillaris, choroid
OCTA Algorithm	COMAG (phase+ amplitude)
Quantitative Analysis	Retina: density / FAZ / impairment / flow area optic disc: density

VASCAN™
E S S E N T I A L

VASCAN™
A D V A N C E D

	Scan Area	Imaging	Analysis	Imaging	Analysis
Retina	3 x 3 (256 x 256)	●		●	●
	6 x 6 (512 x 512)			●	●
	8 x 8 (512 x 512)			●	
	12 x 8 (540 x 360)	●		●	
Optic Disc	4.5 x 4.5 (512 x 512)	●		●	●
	6 x 6 (512 x 512)	●		●	

Specifications subject to change without notice

MOPTIM®

Shenzhen Moptim Imaging Technique Co., Ltd. (A Certainn Technology Company)

Headquarter: Bldg. 2-C, Section 2, GOTO Digital Technology Park,
Longgang District, No. 137 Bulan Rd., Shenzhen 518112, China

European Office: Evelpidon 61-63, 4th Floor, Athens P.O 11362

Tel: +30 210 5750572

Fax: +30 210 5750572

www.moptim.com

sales@moptim.cn

Tel: +86 0755 8408 4505

Fax: +86 0755 8406 4430



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