

NEW GENERATION OF ENTRY LEVEL SD-OCT

OSE-2800

Optical coherence tomographer



SPECIFICATIONS

OCT IMAGING	
Methodology	Spectral domain OCT
Optical source	840nm (Center Wavelength)
Axial resolution (optical)	5 microns (optical), 3.6 microns (digital)
Transverse resolution	15 microns (optical), 3 microns (digital)
A-scan depth	2.1 mm
Diopter range	- 20 to + 20 diopters
Scan patterns	Macular: HD line scan (6 mm or 12 mm), Cube scan (6 mm x 6 mm), Six-line radial scan, Multi (X-Y: 5 x 5) Disc: Cube scan (6 mm x 6 mm) Anterior: HD line scan (6 mm), 6-line radial scan
FUNDUS IMAGING	
Methodology	IR, en face
Field of view	40° x 30°
SOFTWARE ANALYSIS	
Macula	Retina thickness analysis; 3D view; En-face analysis; EDI function
Glaucoma	RNFL analysis; Ganglion cell analysis; Cup-disk analysis; OU comparative analysis
Anterior Segment	Manual measurement; Corneal thickness analysis; Epithelial thinckness analysis
Others	DICOM conformance; Remote viewer software available
ELECTRICAL AND PHYSICAL	
Weight	28.8 kg
Dimension	532 mm (L) x 360 mm (W) x 540 mm (H)
Source voltage	AC 100 - 240 V / 50 Hz - 60 Hz
Specifications subject to change without notice.	

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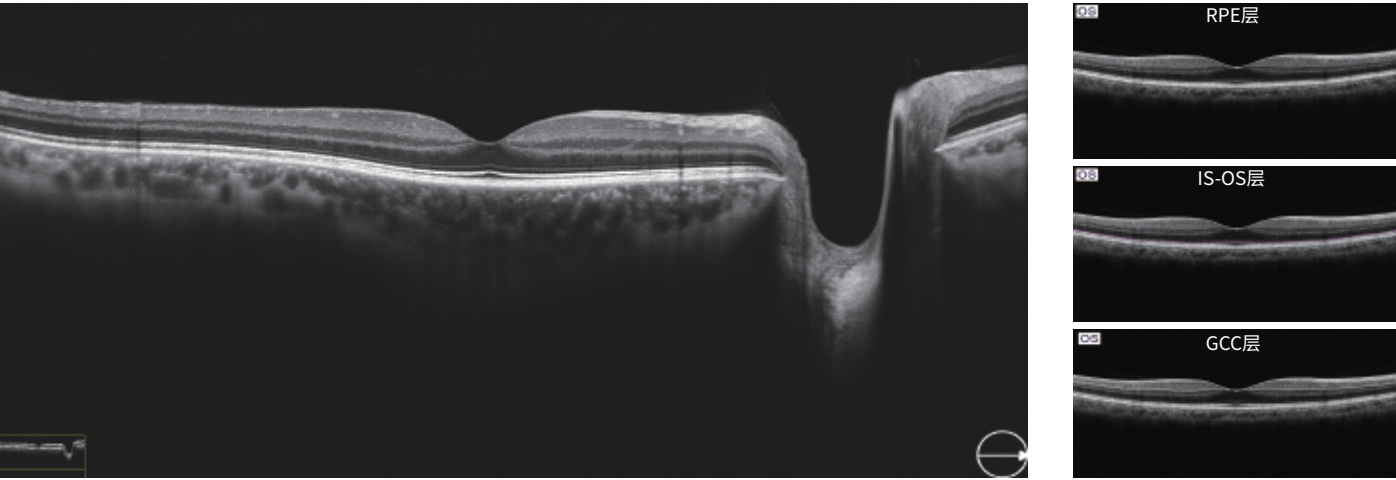
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ASPIRING TO SEE MORE



Optical Coherence Tomographer
OSE-2800

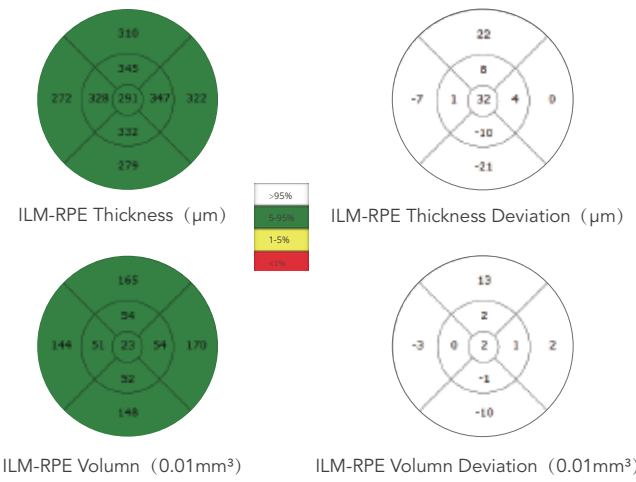
MACULA

High definition OCT imaging



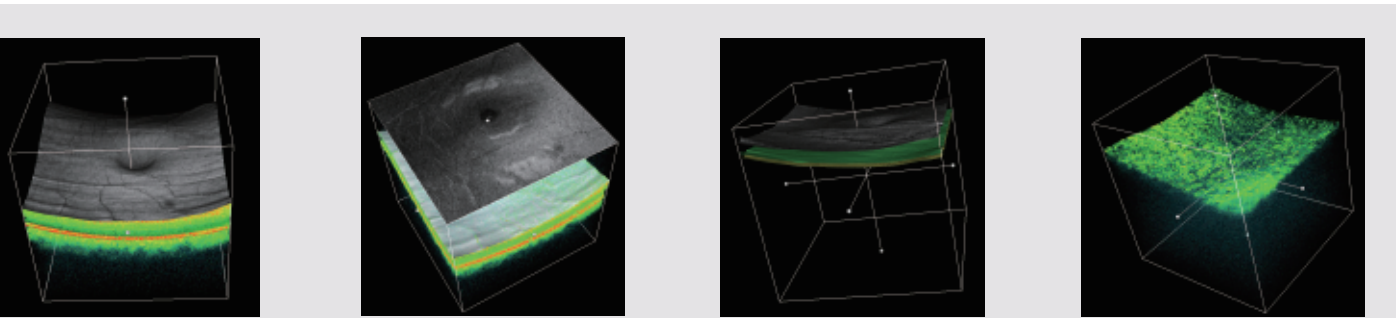
Macular Analysis

A point-by-point assessment of retinal thickness with a 1000 x 100 dense cube with quick data analysis, such as retinal thickness analysis, progression analysis, OU analysis



3D View

6mm*6mm range of 3D view clearly shows the whole structure of the macular, as well as offers the observation of each layers.



GLAUCOMA

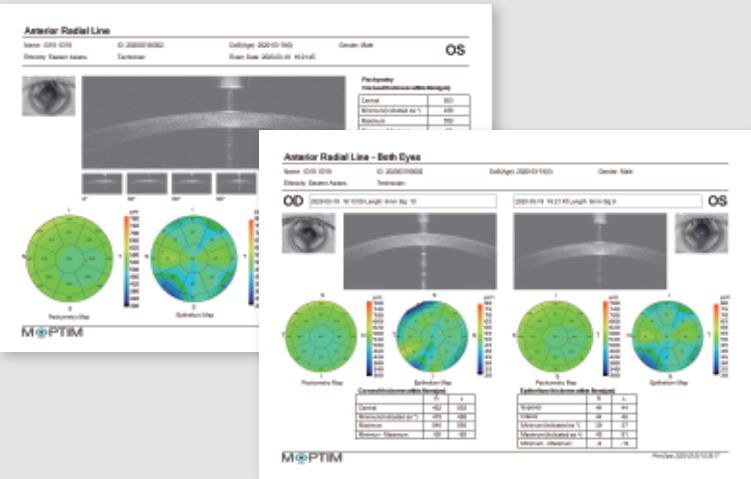
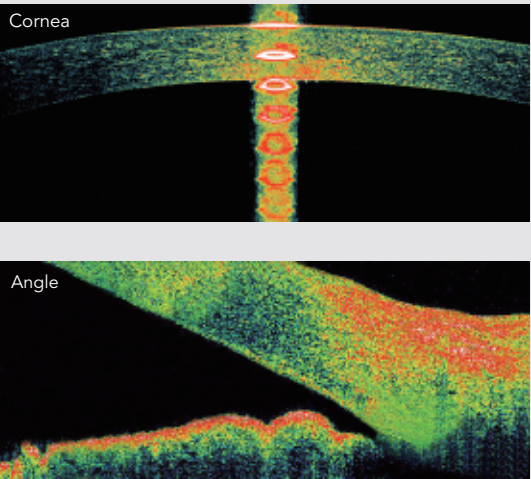
For comprehensive glaucoma analysis, OSE-2800 SD-OCT offers two scan patterns, glaucoma cube scan in macular area for RNFL analysis and glaucoma cube scan in disc area for ONH analysis. Evenly distributed sampling point with 500 x 200 A-scans provides reliable information for early glaucoma detection and management.



- GCC analysis
- RNFL analysis
- Cup-disc analysis
- OU comparative analysis
- informative reports

ANTERIOR SEGMENT ANALYSIS

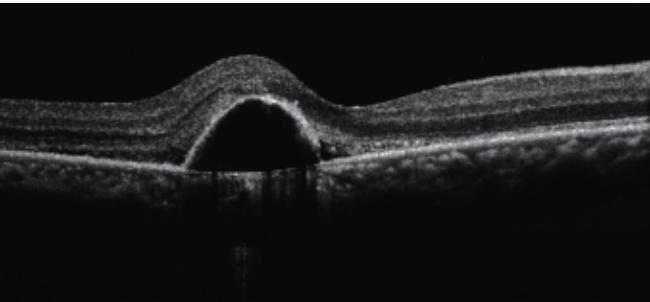
Anterior segment module provides the high definition OCT imaging of the cornea and angle and allows for the Corneal thickness analysis, epithelium thickness analysis, with detailed reports.



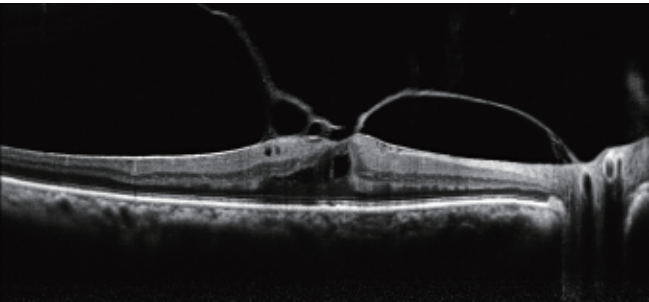
16mm Angle-to-angle analysis

Tempo ral	AOD500	AOD750	TISA500	TISA750	Theta500	Theta750	Nasal	AOD500	AOD750	TISA500	TISA750	Theta500	Theta750
	0.345mm	0.545mm	0.108mm²	0.236mm²	27.9°	32.2°		0.494mm²	0.726mm²	0.16mm²	0.327mm²	25.8°	38.7°

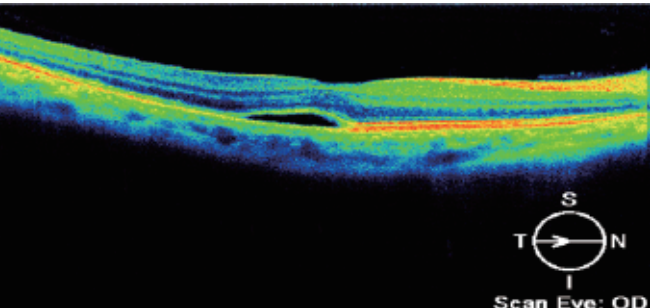
CLINICAL CASES



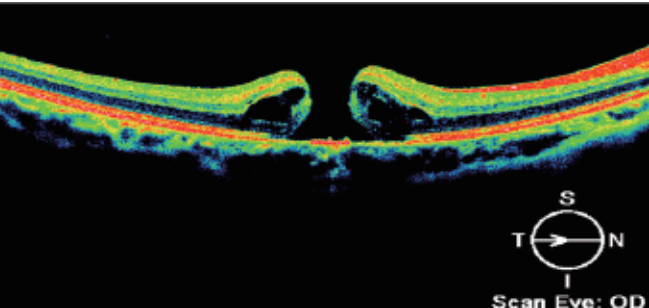
Retinal pigment epithelium detachment



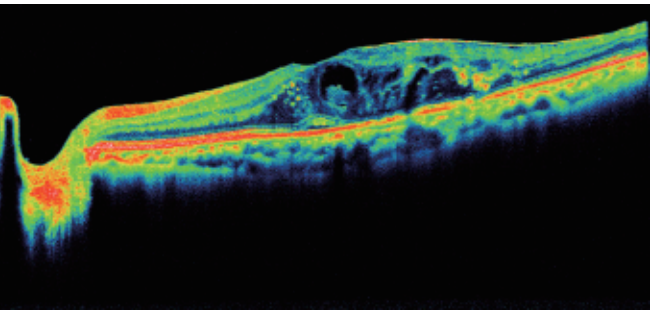
Vitreomacular traction syndrome (VMT)



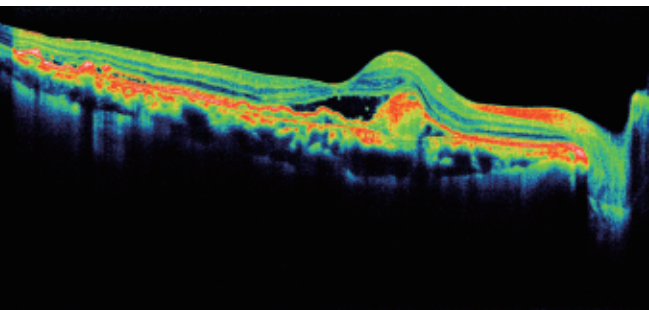
Central serous chorioretinopathy (CSC)



Macular hole



Diabetic retinopathy (DR)



Polypoidal choroidal vasculopathy (PCV)

EARLY DETECTION OF RETINAL DISEASES

Early detection of some retinal diseases is important, such as macular retinopathy, glaucoma, etc. With OSE-2800, It not only provides detailed cross-sectional images of the retina for subtle changes but also with quantitative analysis.

