optovue

DEFINING THE OCT REVOLUTION
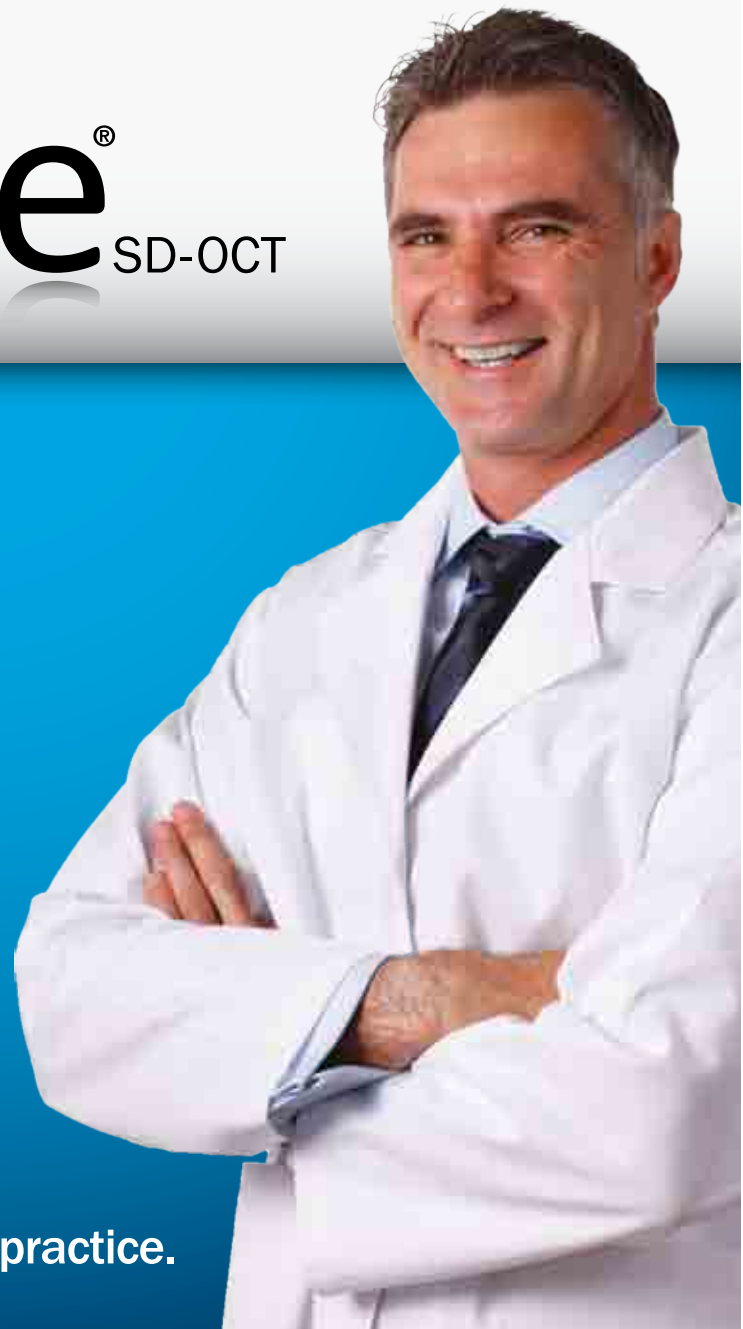
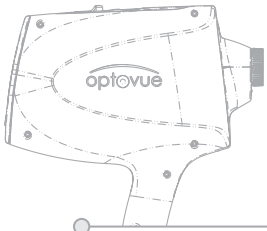Simple.

Portable.
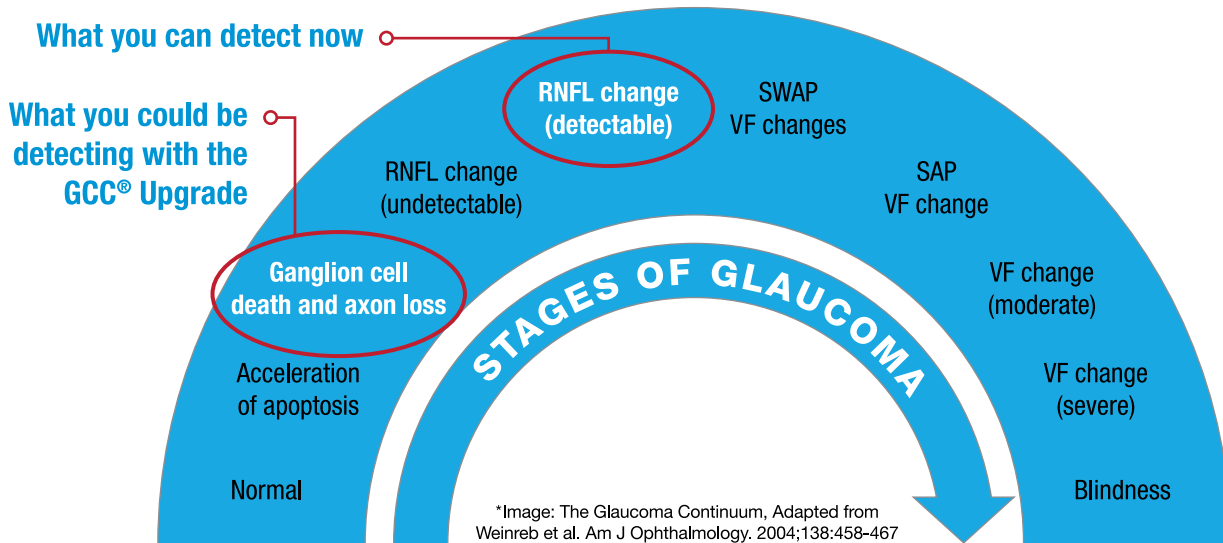
Powerful.

*i*Vue®
SD-OCT

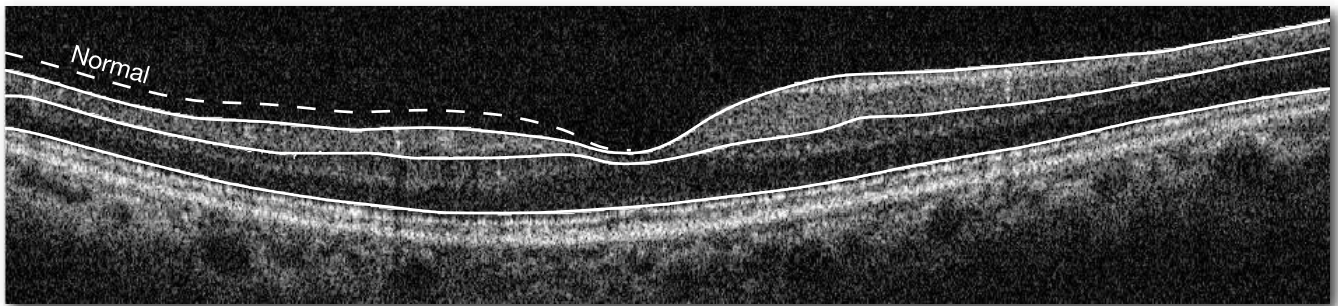**Bring the power of iVue SD-OCT to your practice.**

Ganglion Cell Complex (GCC®) Upgrade

for early glaucoma management

The power of the GCC Upgrade can identify ganglion cell loss which may be an early indication of glaucoma. GCC loss precedes RNFL loss based on The Glaucoma Continuum.*

What you can detect now

What you could be detecting with the GCC® Upgrade

RNFL change (detectable)

SWAP VF changes

RNFL change (undetectable)

SAP VF change

Ganglion cell death and axon loss

STAGES OF GLAUCOMA

VF change (moderate)

Acceleration of apoptosis

VF change (severe)

Normal

Blindness

*Image: The Glaucoma Continuum, Adapted from Weinreb et al. Am J Ophthalmology. 2004;138:458-467

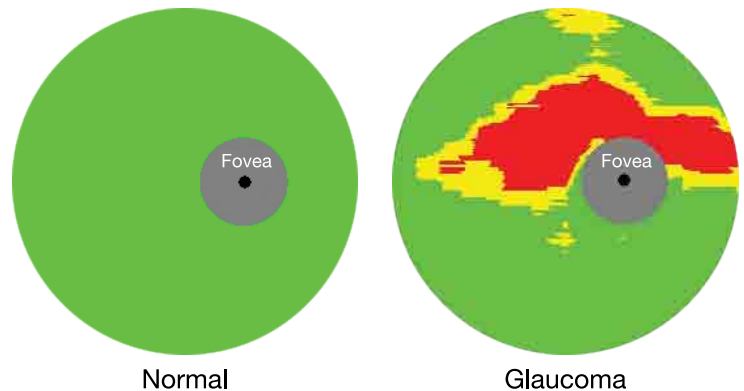## Ganglion Cell Complex Thinning in Glaucoma
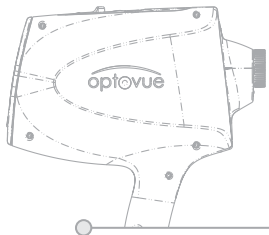
Normal

Glaucoma patient with thinner GCC

GCC® Thickness Mapping

Fixation for the GCC map shifts the scan pattern to increase sensitivity to structural changes that correlate to a nasal step defect.
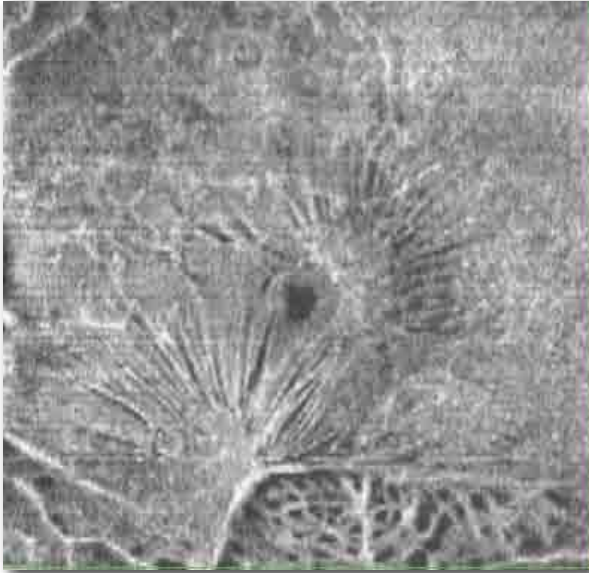
In addition to Glaucoma, the GCC Scan also helps to identify retinal and neurological disorders.

GCC Significance Maps
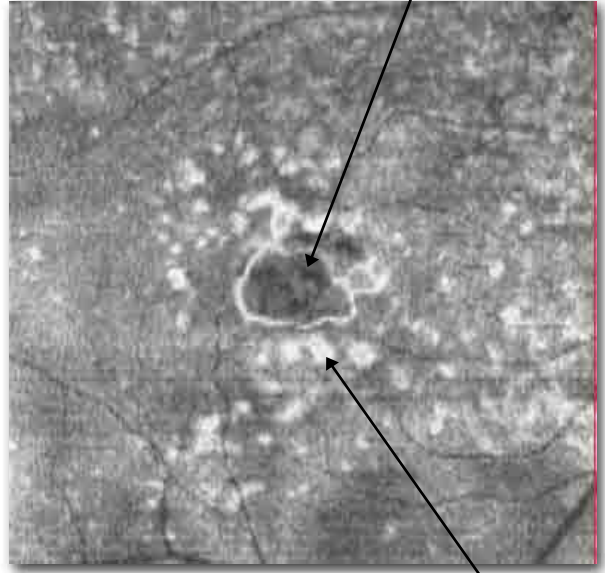
Fovea

Fovea

Normal

Glaucoma

3D/En Face Analysis Upgrade

for early retina diagnostics
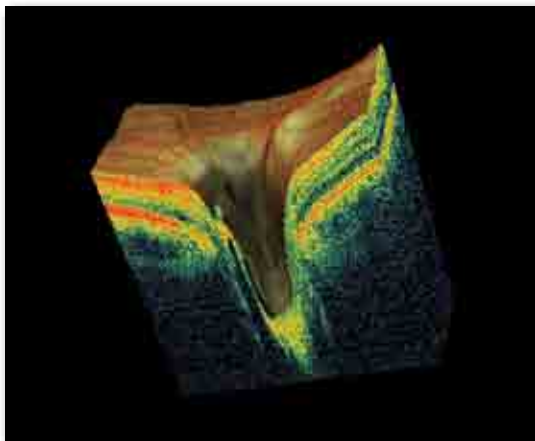
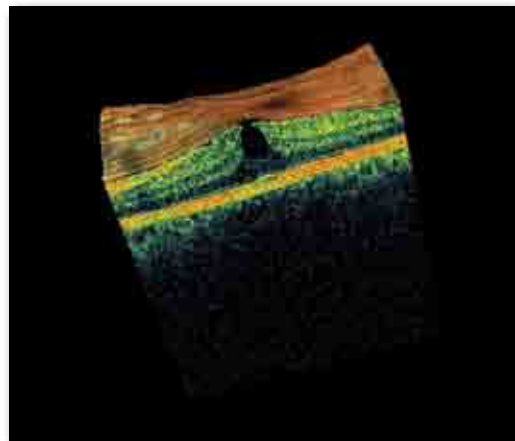Epiretinal Membrane from En Face Analysis

Pigment Epithelial Detachment

Drusen

- Virtual dissection of the retina and optic disc
- 512 X 128 dense cube with 67 million data points
- Unveil epiretinal membranes, microaneurysms, hard exudates, choroidal neovascular membranes, and more
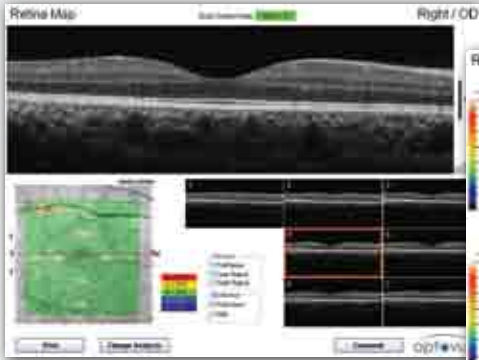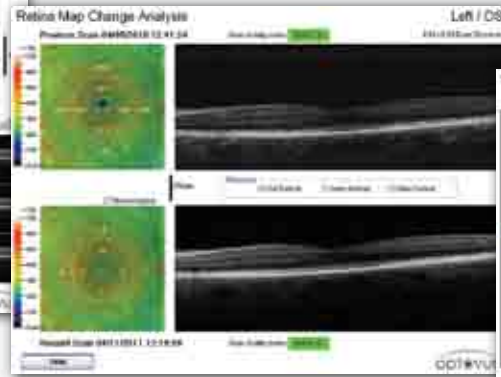
3D Optic Disc

Macular Hole from 3D Macula Scan

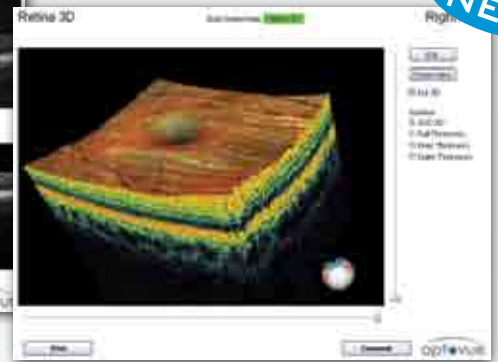Enhanced 3D evaluation to detect micro pathology earlier.

RETINA

Retina Mapping

6 x 6mm Retinal Thickness map with
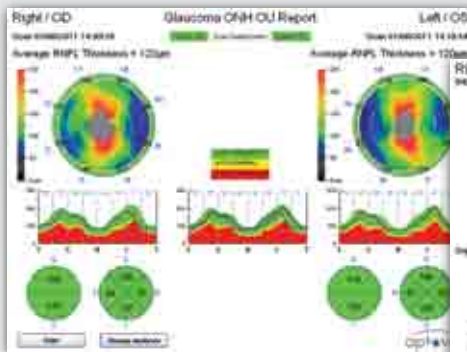   Normative Database comparison
7 Line Hi-res Raster
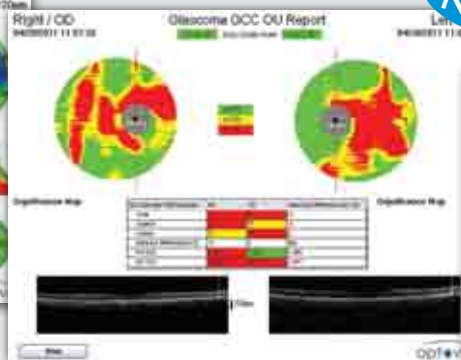250 micron separation

Retina Change Analysis

NEW

3D Macula - *Upgrade Now Available*
512 x 128 Cube - 67 Million Data Points

GLAUCOMA

OU/Symmetry

RNFL Mapping with Change & Symmetry
Analysis and Normative Database
comparison

NEW

Ganglion Cell Complex Significance Mapping
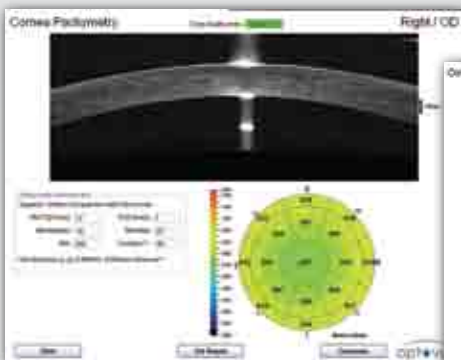- *Upgrade Now Available*
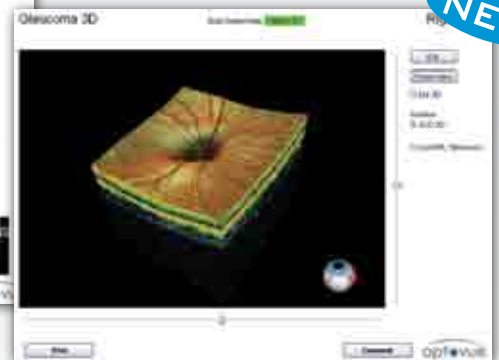
NEW

3D Optic Disc - *Upgrade Now Available*
512 x 128 Cube - 67 Million Data Points

CORNEA/ANTERIOR SEGMENT

Pachymetry Mapping

Full 6mm diameter Corneal Thickness Map
Cornea B-scan slice

Angle with FDA Cleared Measurement

OU Angle
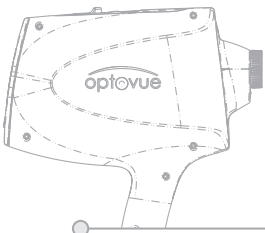
Cornea/Anterior Segment Features

for non-contact Anterior Segment Assessment
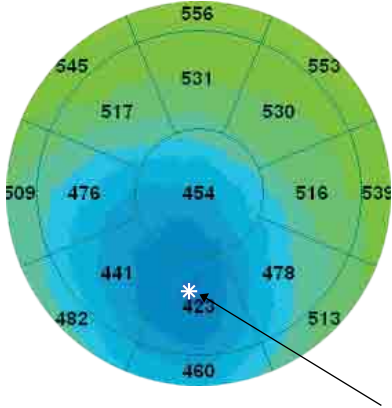
Pachymetry - Full 6mm diameter corneal thickness mapping with minimum thickness indicator (example of Keratoconus)
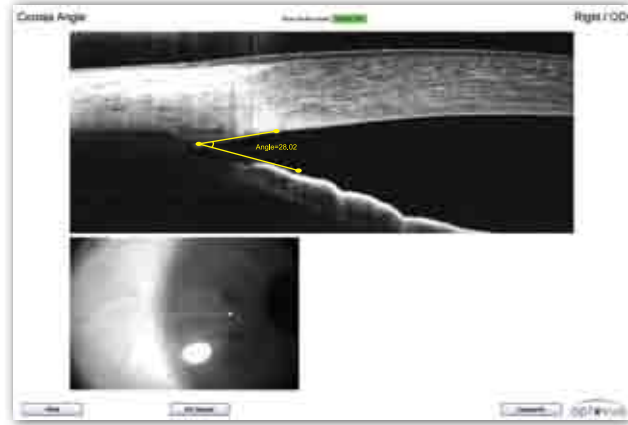
Angle Visualization with FDA Cleared Measurement

Contact Lens Fitting

*i*Vue Versatility

expand your OCT World

Optional *i*Stand

for universal *i*Vue positioning such as supine scanning

Optional Rolling Case
26" x 18" x 17" @ 24 lbs.

iVue®

The next wave of the revolution **is here**

The first Spectral-Domain OCT for every clinical practice. The iVue SD-OCT is the next phase in advanced OCT product design and the first true WorldOCT™.
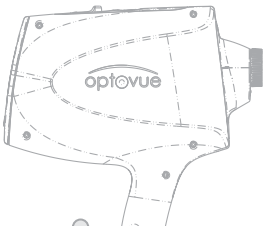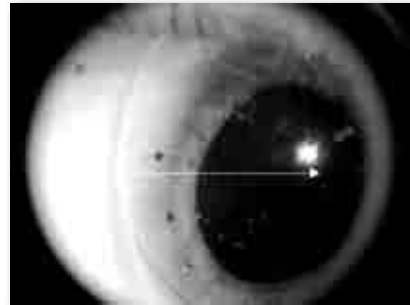
With the complete offering of retina, glaucoma and anterior segment scanning as standard, iVue is the perfect advanced, yet easy-to-use OCT for clinical practices. The streamlined user interface, small foot print, and familiar slit lamp style delivery design all contribute to fast and efficient clinical use and patient throughput.

Specifications:

iVue Scanner:
  OCT Image: 26,000 A-scan/second
  Frame Rate: 256 to 1024 A-scan/Frame
  Depth Resolution (in tissue) : 5.0 µm
  Transverse Resolution: 15µm (retina)
Scan Range:
  Depth: 2 - 2.3mm (retina)
Scan Beam Wavelength:
  λ=840±10nm
Exposure Power at pupil:
  750µW
OCT Fundus Image (En Face):
  FOV: 21°(H) x 21°(V)
  Minimum Pupil diameter: 2.5mm
External Image (Live IR)
  FOV: 13mm x 9mm
Patient Interface:
  Working Distance: 22mm / 15mm
  Motorized Focus Range: -15D to +12D
Computer:
  Laptop PC
  Intel Core i5 Processor
  15.6" Screen
  RAM: 4GB

Scanner LCD touchscreen (not shown)

Scanner head shown with Cornea-Anterior Module (CAM) attached *(Included with iVue system)*

Footswitch Included

optovue

DEFINING THE OCT REVOLUTION

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