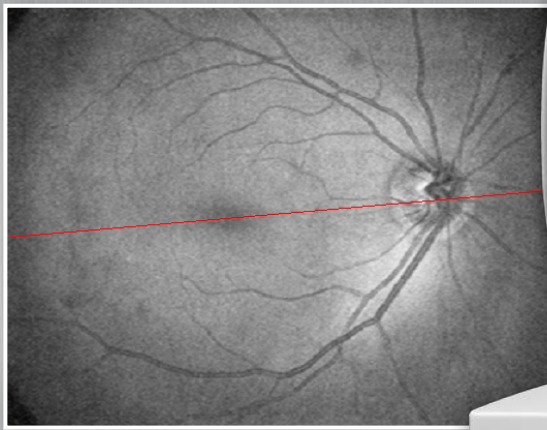


AVANTI™

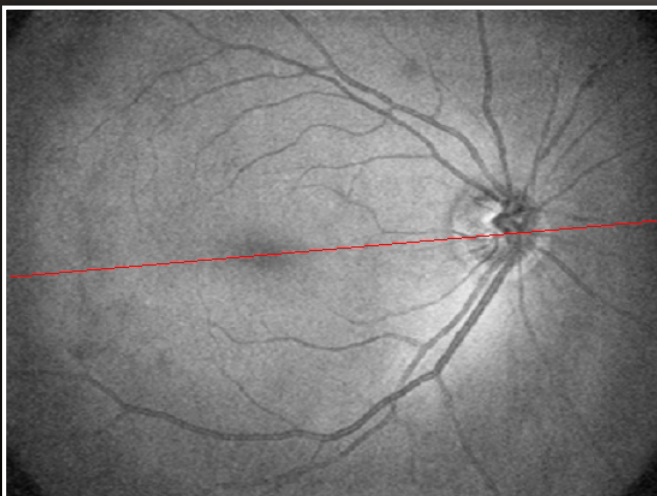
RTVUE XR



Widefield Enface OCT



From front to back,
we've got you covered.



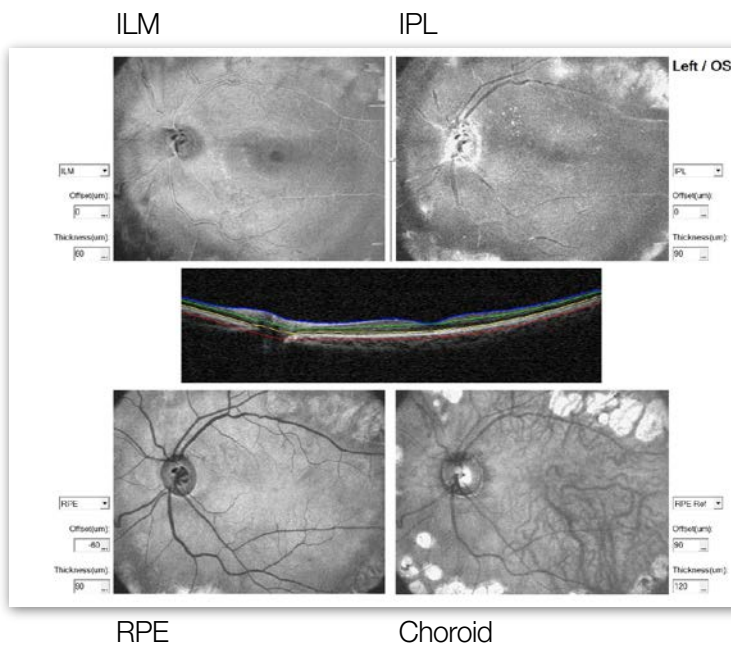
40° Widefield Enface Fundus Image

THE AVANTI ADVANTAGE

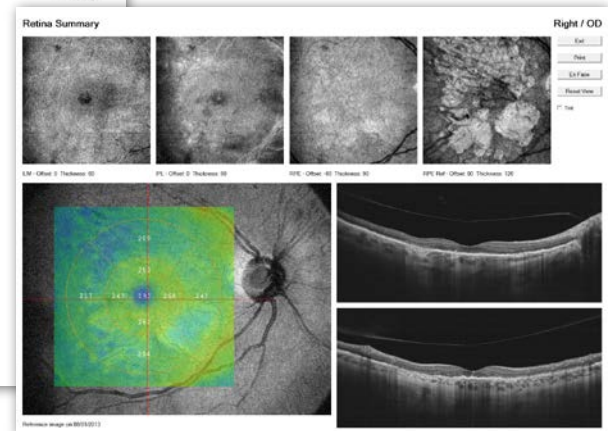
- Widefield Enface OCT with SMART™ Motion Correction
- Simultaneous Multi-Layered Assessment of Peripheral Retina Pathology
- Forward-Thinking Platform for Future Innovations

Retina

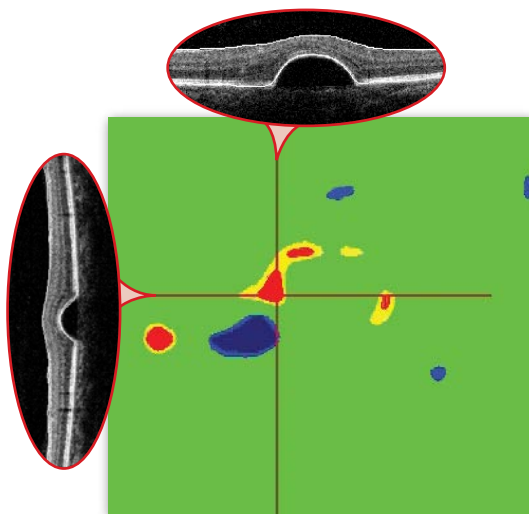
For documentation and monitoring of ocular disease



Multi-layered assessment of peripheral pathology at various levels in the retina and choroid.



Retina Summary Report - 40° Widefield enface, multi-layered enface analysis, and high resolution Cross Line in one, easy-to-read report.

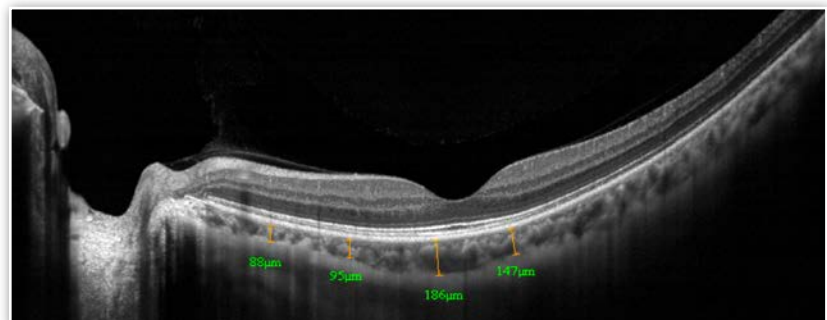


Intelligent Macular Mapping

- Full Retina Thickness comparison to the Normative Database
- Visualize small structural changes
- Click on location to present vertical and horizontal B-scans
- Change Analysis to monitor retina based ocular disease
- Volumetric Analysis

Retina Tracking

Avanti's 3mm scan depth and 40° scanning with V^{TRAC} active eye-tracking provides the detail and clarity you need to assess the retina, monitor your patients and track disease progression.

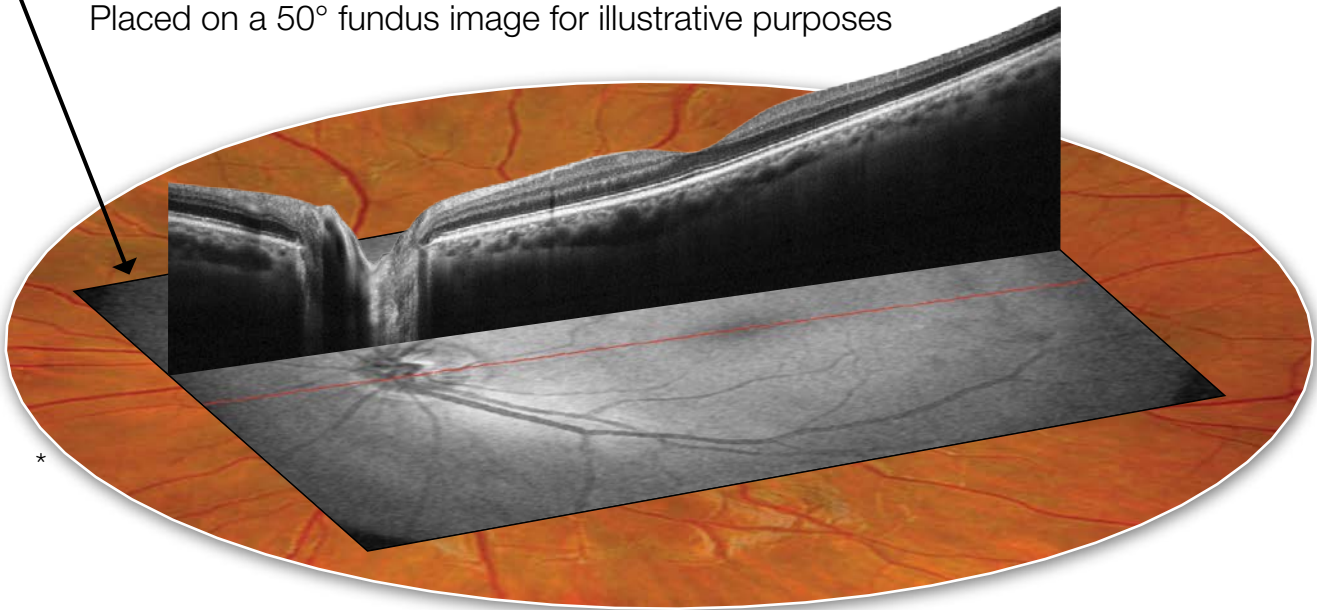


Track B-scan with Deep Choroidal Imaging (DCI™) & Measurement

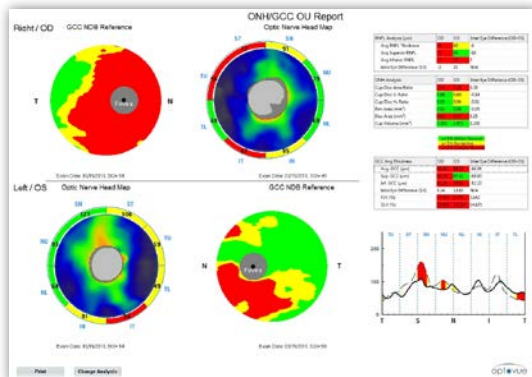
Widefield

40° Coverage from Widefield 3D OCT Scan

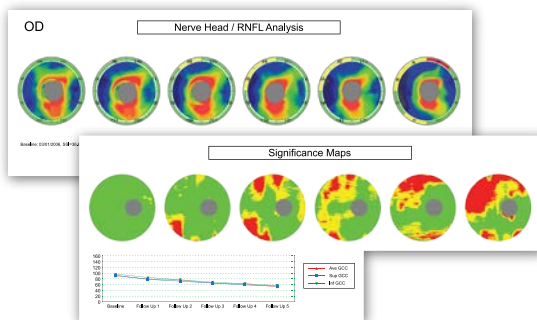
Placed on a 50° fundus image for illustrative purposes



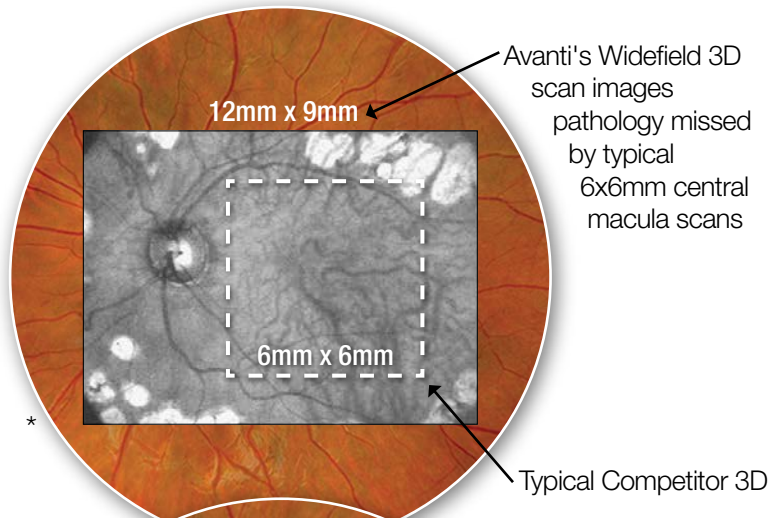
Glaucoma



OU Combo Report with Optic Nerve Head and Ganglion Cell Complex

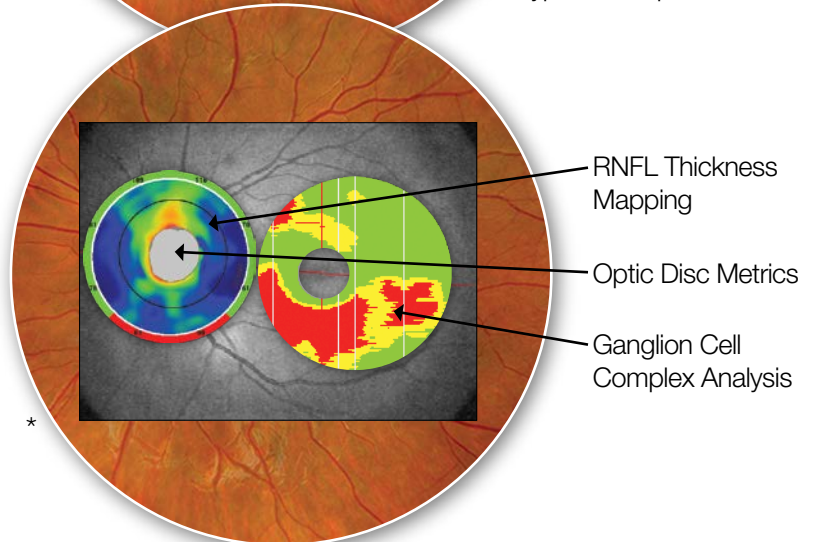


RNFL, Optic Nerve Head & Ganglion Cell Complex Change/Trend Analyses to track disease progression.



Avanti's Widefield 3D scan images pathology missed by typical 6x6mm central macula scans

Typical Competitor 3D

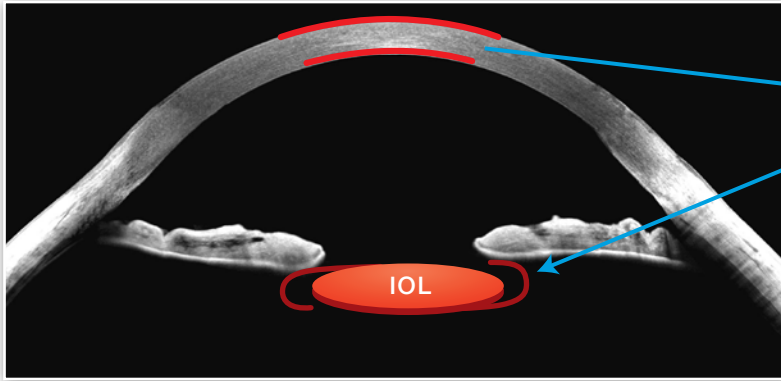


*For illustration purposes only.

Cornea / Anterior Segment

For non-contact Anterior Segment Assessment

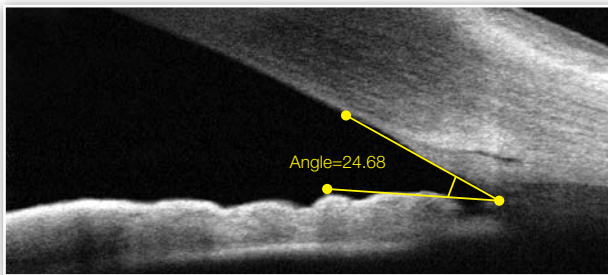
TCP®: Total Cornea Power



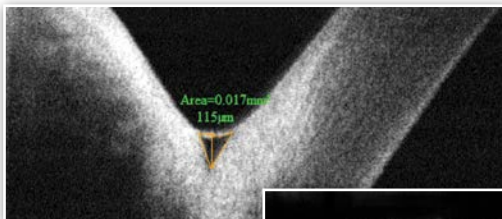
TCP®: Total Cornea Power enhances post-refractive IOL calculations for greater confidence in surgical outcomes.

The Cornea Power Upgrade allows evaluation of patients with prior refractive procedures. Standard topography only calculates the front curvature and then extrapolates posterior curvature. Using the Cornea Power Upgrade, both the anterior and posterior curvatures are measured directly to obtain cornea powers.

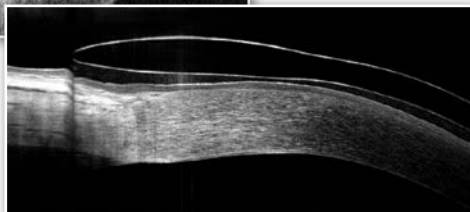
Angles



Angle Visualization and Measurement

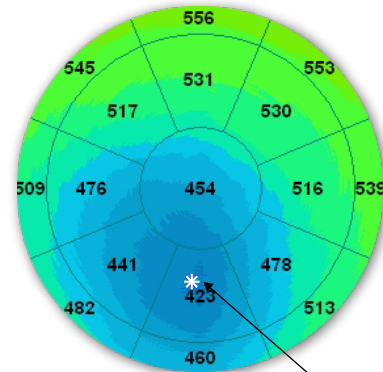


Tear Film Analysis



Contact Lens Imaging

Pachymetry



Pachymetry - Full 6mm diameter corneal thickness mapping with minimum thickness indicator



9mm Cornea slice with post refractive measurement

AVANTI™ RTVue XR



SPECIFICATIONS

OCT Camera : **70,000 A-SCAN/SECOND**

Optical Resolution: (in tissue)

Depth: 5.0 μ m

Beam Spot Size: 22 μ m

Image Sampling Rate:

Depth: 3.0 μ m Digital Resolution

Scan Range:

Depth: ~3mm

Transverse: 2mm to 12mm

Scan Beam Wavelength:

$\lambda=840\pm 10$ nm

Exposure Power at pupil: 750 μ W maximum

Patient Interface:

Working Distance: 22mm

Motorized Focus Range: -15D to +20D

Computer:

CPU: i7, 3.2 GHz, Windows 7®

RAM: 16 GB

Hard Disk: 2 TB

Back-up Hard Disk: 2 TB

OPTOVUE INNOVATIONS

Cataract Surgeon ▶ Total Cornea Power (TCP®)

Glaucoma Specialist ▶ The Original Ganglion Cell Complex (GCC®) Analysis

Retina Specialist ▶ Widefield Enface Analysis



DEFINING THE OCT REVOLUTION

OPTOVUE, INCORPORATED | 2800 BAYVIEW DRIVE, FREMONT, CA 94538 USA | PH: +1 510.623.8868 | FX: +1 510.623.8668
OPTOVUE, EUROPE GMBH | GERHART-HAUPTMANN-STR. 38, 69221 DOSSENHEIM, GERMANY | PH: +49 6221 5860 661 | FX: +49 6221 5860 664