Report thumbnail view

DRI OCT Triton series

Detailed comprehensive reports

TOPCON
YOUR VISION. OUR FOCUS.
12 mm x 9 mm 3D Wide scan
One rapid scan can cover both the macular and disc areas providing more information for efficient diagnosis. This mode provides macular analysis, thickness map of RNFL, GCL+IPL, RNFL+GCL+IPL and a significance map; all data supporting the diagnosis of macular abnormality and glaucoma.

Combination scan
This new scan pattern provides both 3D wide scan (12 mm x 9 mm) and Line / 5 Line Cross / Radial scan. Previous OCT models do not offer the option to capture B-scan and 3D images at the same time. The new combination scan provides a thickness map and a clear B-scan image / images from the 3D data.

Hood
The newly added glaucoma screening report, which was validated by Dr. Donald C. Hood, Professor of Visual Sciences at Columbia Univ., N.Y. provides visual field test points overlaid by the RNFL thickness significance map that can assist in observing for the probability of glaucoma progression in the patient’s visual field.

Glaucoma
By a taking 3D wide scan (12mm x 9mm), an efficient diagnosis report for glaucoma is available. Fundus photography, various peripapillary parameters, thickness map, reference database and significance map of RNFL, GCL+IPL and RNFL+GCL+IPL are provided.

3D Disc analysis
Disc topography combining fundus photography, various peripapillary parameters, and RNFL thickness is available. A normative RNFL database is also incorporated.

Trend analysis (RNFL)
3D disc scans can be compared and analyzed over time, which is useful for glaucoma follow up.
**3D Macula glaucoma analysis**
With vertical box scan of the macular area, Ganglion Cell Complex (GCC) analysis is available and a normative database for Retinal Nerve Fibre Layer (RNFL), GCC and retina thickness is incorporated.

**Trend analysis (3D Macula analysis)**
Macular analysis of up to 4 sets of macular data (8 results for both eyes), is shown in a report, enabling you to compare old and new patient data.

**Analysis of 3D Macula**
A horizontal box scan can be captured in the macular area, allowing a 3D image to be created; useful for fully understanding the form of the macular area. A thickness map and normative database for retinal thickness are also available.

**Radial scan**
This rapidly captures 12 radial scans of the target area, allowing detailed understanding of a particular area.

**Line scan**
This captures a high resolution B-scan with a maximum of 128 overlapping slices.

**5 Line Cross scan**
This captures 5 line scans horizontally and 5 line scans vertically. This is useful for screening and follow up as it will not miss the target position during quick scanning.
Anterior Line scan
Limbus to limbus capture of anterior segment through 16 mm scan.

Anterior Radial scan
12 radial scans of the cornea to comprehensively examine the condition of the central cornea. Corneal thickness maps are available.

*The anterior module is optional

OCT Angiography scan
OCT Angiography scans can visualize the retinal microvascular network. It is easy to compare the OCT Angiography image (Superficial, Deep, Outer retina, Choriocapillaris) with the color fundus and B-scan image on a single report. Using IMAGEnet 6, an OCT Angiography image can be overlaid on the color fundus image. Scan area: Macula / Center / Disc (3.0 mm x 3.0 mm / 4.5 mm x 4.5 mm / 6.0 mm x 6.0 mm / 9.0 mm x 9.0 mm / 12.0 mm x 12.0 mm).

*Topcon’s Swept Source OCT Angiography module is optional

Rich scan protocols
A wide range of scan patterns are clearly laid out, allowing the operator to quickly select the correct pattern.