



Press release 27th May 2011

## Innovative early glaucoma detection

**Glaucoma Staging Program (GSP)** is the latest software enhancement available for the OCULUS Easyfield®, Centerfield® 2 and Twinfield® 2 perimeters. The visual field data analysis tool is readily available in the new devices, and can be installed as an upgrade for the ones already in use.

**GSP** performs a multi-level classification of the examination findings into visual field classes (*Normal, Glaucomatous, Artifactual* and *Neuro*) based solely on their appearance and into risk classes (*Normal, Suspect, Pre-perimetric, Mild, Moderate* and *Severe*) corresponding to different possible glaucoma severity levels. The results are presented in color-coded bar charts displaying the confidence level of the classification.

The striking novelty of **GSP** is represented by its ability to detect subtle changes in the visual field associated with early stages of glaucoma. These changes present in findings belonging to the *Suspect* and *Pre-perimetric* classes are not perceivable for the mere eye of the examiner, and certainly not picked up by the standard generalized perimetric indices.

A single parameter summary of the glaucoma risk classification is offered by the **Glaucoma Likelihood Index (GLI)**, assuming values continuously from 0 (*Normal*) to 5 (*Severe*).

For more information on GSP, please visit [www.ocus.de](http://www.ocus.de).