

Optic Nerve Analysis

The optic nerve is damaged in glaucoma. For eyes that definitely have or are suspected to have glaucoma, the nerve head should be evaluated periodically.

The Heidelberg Retinal Tomograph (HRT) when used for Optic Nerve Head Analysis projects a harmless laser into the eye to measure the size, thickness and depth of the nerve fibers by scanning the entire nerve head in a few seconds.

The structure of the optic nerve is analyzed quickly and reliably. The HRT can detect early changes in the optic nerve that can mean progressive loss of the optic nerve fibers. Data captured by the scan simulates a three-dimensional view of the optic nerve head and the measurements are compared to a database of normal values obtained from non-glaucoma patients for reference.

