

*White Paper Summary***OPTOPOL PTS 2000 Compared to HFA MODEL 860**

A recent study published in the Journal of Ophthalmology compared two threshold strategies for visual field assessment: ZETA Fast (Optopol Technology) and Humphrey SITA Fast (Carl Zeiss Meditec) in controls and subjects with glaucoma.



Optopol PTS 2000



Zeiss HFA 860

Excerpts:

“...the readings from the Optopol machine make it easier to distinguish between control and glaucomatous subjects than those from the Zeiss machine based on MD and PSD.”

“...in the glaucomatous subject population; Optopol’s accuracy (0.92) was more informative than guess the most prevalent category or no information rate (0.54, $p < 0.001$) for subjects with glaucoma.”

“In its entirety, this suggests that the ZETA Fast strategy is likely more sensitive in picking up earlier defects with a higher tendency for increased MD and PSD values with a lower VFI correlation. The fact that VFI is also higher in the control subject population again suggests that the strategy is superior and robust in identifying accidental invalid responses by subjects, leading to less nonspecific defects in healthy visual fields.”

“Another matter of interest is the ability of Optopol’s ZETA Fast to detect an MD of less than -2 while comparing its results to the Zeiss HFA SITA Fast strategy. This is an important aspect for a perimetric strategy, owing to its ability to pick up the earliest glaucomatous visual field defects with high sensitivity.”

“Therefore, ZETA Fast is an equivalent perimetric strategy in accurately diagnosing early glaucomatous defects when compared to the Zeiss HFA.”

Read the Full White Paper Here: <https://www.hindawi.com/journals/joph/2022/5675793/>