

## **NONINVASIVE GLAUCOMA SCREENING TOOL IN GENERAL PRACTICE USING THERMAL IMAGING**

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In this paper we propose a methodology for early detection and recognition of Glaucoma in ocular thermographs. Ocular thermography is an efficient tool not just to capture temperatures of corneal surface, but likewise to detect and imagine any progressions on the Ocular surface temperature. The proposed method utilizes a linear transformation for pre-processing. Linear Square Support Vector Machine(LSSVM) based classifier with the features collected from Transverse Dyadic Wavelet Transform(TDWT) is utilized to group the given Ocular Infrared thermal image into Glaucoma from the ordinary eye. The viability of the proposed technique is demonstrated over various ocular thermal image tests.

