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**Original article:**

**Central Corneal Thickness-An important variable for prognostication in Primary Open Angle glaucoma; A Kolkata based study in Eastern India**

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**Abstract:**
Introduction:Few studies have been conducted to find out any relationship between central corneal thickness (CCT) and other parameters of Glaucoma. In the present work we have tried to find out any possible relationship between CCT and severity of visual field loss in Primary Open Angle Glaucoma(POAG )patients and we have used Glaucoma Staging System for categorizing the POAG patients under study according to visual field loss.

Methods: Informed consent was taken from all patients selected for the study. 50 patients diagnosed as having POAG were included in the study and both eyes were examined as POAG is a disease affecting both eyes. Patients who were one-eyed or one eye not matching the inclusion criteria of this study were excluded. These were all under treatment for POAG in the Glaucoma Clinic of Regional Institute of Ophthalmology, Kolkata.

Conclusion: Patients with thinner CCT showed worse visual field damage than those with thicker CCT..Patients with worse visual field loss had thinner CCT than those with better visual fields.Strong negative correlation between visual field damage and CCT was noted.

**Keywords:** central Corneal Thickness, POAG, Prognostication