

## **Correlation Among Optic Nerve Head Changes, Visual Field Changes and Retinal Nerve Fiber Layer Thickness in Primary Open Angle Glaucoma**

**Jitendra Kumar, Rajesh Kumar Shakya**

**Department of Ophthalmology, MLB Medical College, Jhansi, UP, India**

### **ABSTRACT**

**A prospective cross-sectional non interventional type of study was conducted among cases of primary open glaucoma (POAG).The purpose of the study was to understand correlation among optic nerve head changes, visual field changes and retinal nerve fiber layer thickness in cases of primary open angle glaucoma. This study, conducted among 72 patients with 138 eyes, established a positive correlation between mean vertical CDR (r 0.5726) as compared with mean RNFL thickness and a negative and weak positive correlation between mean vertical CDR compared to visual field parameter mean defect MD (r - 0.2364) and PSD (r 0.3516) respectively. The p value between CDR and RNFL thickness was 0.00001, which was statistically significant.**