

ABSTRACT

Does gender have an effect in the prevalence of types of glaucoma in Pakistani population?

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Objective: To assess the prevalence of various types of glaucoma, blindness and severity of disease with respect to gender differences.

Study Design: A hospital based retrospective study.

Patients and Methods: Study included 3021 patients presenting to glaucoma clinic. Type and severity of glaucoma in the patients was analyzed to determine the gender inequality. Data was analyzed with the statistical software SPSS.

Results: It was found that overall the ratio of males affected with glaucoma was higher than females (2.3: 1). Males had a more prevalent POAG whereas females were suffering more from PCAG glaucoma. Although the overall prevalence was higher in males but the blindness rate in all types of glaucoma was greater in females. Due to severity in POAG surgery of greater number of females was performed. PEXG and NTG were more pronounced in males.

Conclusion: Females have more prevalent PCAG while males have POAG. Overall the blindness rate in different types of glaucoma was high in females therefore the results of present study indicated that gender does have an effect in the prevalence and blindness due to different types of glaucoma. Al-Shifa Journal of Ophthalmology 2010; 6(1): 30-36 © Al-Shifa Trust Eye Hospital, Rawalpindi, Pakistan.