**Frequency of strabismic amblyopia in school going and non-school**

**going children among age group of 5 to 15 years.**

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**ABSTRACT**

**Objective:** To find out the frequency of association of amblyopia with strabismus in school going and non-school going children among age group of 5 to 15 years.

**Study Design:** A descriptive cross sectional study.

**Place and Duration:** Al Ibrahim Eye Hospital, Karachi, from 26th May 2018 to 26th November 2018.

**Methodology:** After interviewing the respondents all the respondents were underwent visual acuity assessment with Snellen acuity chart with and without correction, Cardiff card, cover/uncover test, cycloplegic refraction with cyclopentolate 1%, ocular movement examination, pinhole visual acuity and fundus examination was performed. Data was collected from both genders on a structured close ended questionnaire. The frequency of strabismic amblyopia in academic and non-academic children was assessed.

**Results:** A total of 351 respondents were interviewed. In which 66 % were girls while 34% were boys. School going children were 54.3 % while non-school going children were 21.4 %. The mean age was found to be 9.62 ± 3.1 (ranging between 5 to 15 years). Eye examination was done in 106 eyes of 53 respondents. Frequency of strabismic amblyopia was found to be 15 % and 31.4% respondents were in the age group of 5 to 8 years.

**Conclusion:**Many children suffering from amblyopia due to different causes, strabismus (esotropia) is one of the main cause of amblyopia mostly in school going children. And high prevalence of moderate amblyopia was found which should be treated immediately to recover their vision.

## Keywords: Strabismus, Amblyopia, School going children, non-schooled children, Esotropia, Exotropia

**How to Cite This:**

SaleemA, KaziU, Nehal I. Frequency of strabismic amblyopia in school going and non-school going children among age group of 5 to 15 years.Isra Med J. 2019; 11(5): 394-397.

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