



## 8<sup>th</sup> Global Ophthalmology Meeting

### Ocular morbidity profile among visually impaired children in Delhi- a community based study

#### Dr. Meenakshi Wadhvani

*Chacha Nehru BAL Chikitsalya, New Delhi, India*

A population based cross sectional study was planned in 40 clusters of urban Delhi. It aimed for visual acuity screening of 20,000 children aged 0-15 years using age appropriate visual acuity charts. All the children with visual acuity of < 6/12 in any eye in age group between 3-15 years and inability to follow light in age less than 3 years were referred for detailed ophthalmic examination. The interim results for the study in 26 clusters reveal that out of 13,998 children aged between 3-15 years a total of 600 children have been referred and 2 have been referred with inability to follow light for ophthalmic examination. Amongst these 600 children a total of 78 children have been found to have presenting visual acuity < 6/18 in better eye. The prevalence of visual impairment (VI) was 0.55%. The main anatomical cause of VI was posterior segment disorders (9%) followed by optic nerve abnormalities (3.8%). The main etiological cause of VI in these children was refractive error (91%).

#### Biography

Meenakshi Wadhvani is working as an assistant professor of ophthalmology in Chacha Nehru Bal Chikitsalya, Geeta Colony, New Delhi since 2018. She completed M.B.B.S. and M.S ophthalmology from the prestigious Lady Hardinge Medical College, New Delhi. She pursued her Postgraduate ship (2013) and Ph.D. (2020) from Dr Rajendra Prasad Centre for ophthalmic Sciences, AIIMS, New Delhi. Her Ph.D. topic was related to causes and prevalence of childhood visual impairment along with development of an age appropriate visual function questionnaire.