

Causes of Childhood Vision Impairment in Greater Noida

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Purpose

This study aimed at identifying the causes of vision loss in children attending the ophthalmic division of Sharda University, Greater Noida the only hospital with pediatric ophthalmology services.

Methods

- A retrospective data review was conducted for all the children (< 16 years of age) who attended from January 2014 to December 2015.
- Causes of vision loss for children with vision impairment, visual acuity less than 6/18 for distance in the better eye, were analyzed.

Results

- The analysis of 1880 children revealed 98 children were visually impaired.
- Male to female ratio was 72:28

Results

- The leading causes of vision loss were due to
 - Corneal scars 26,
 - Cataract 20 ,
 - Refractive error and amblyopia 18,
 - Glaucoma 16,
 - Aphakia 5,
 - Adnexal problem 4,
 - Retinal problem in 3 eyes,
 - Recurrent uveitis in 3 eyes
 - Optic atrophy in 3 eyes .

Results

- Trauma was the most frequent cause leading to visual impairment in 32 eyes
- Other causes included
 - Hereditary factors 29 eyes,
 - Intrauterine factors 2
 - Other factors 25.
 - Over 40% blindness could have been avoided and in another 42 eyes it could have treated early to restore vision.

Conclusion

This study explored the causes of vision loss in children in a tertiary hospital where trauma is the frequent cause of Visual impairment

THANK YOU