Common Types of Paediatric Ocular Injuries of two selected hospital in Sri Lanka

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ABSTRACT

Introduction: Ocular injuries are the most common cause of acquired ocular blindness in children. Trauma is the major cause of monocular blindness. Key themes in ocular injuries and its impact in pediatric population were; BETT: the terminology of ocular trauma, classification of ocular trauma, predicting the final vision of the injured eye, eye injury epidemiology and prevention of ophthalmic injuries, counselling the patient and the family.

Objectives: To assess the common types of pediatric ocular injuries prevalence for the causes of those injuries.

Methodology: Hundred patients who are attending OPD in selected hospitals at Colombo, patients who are admitted in selected hospital at Colombo and patients who are willing to participate in the study. A thorough ophthalmic examination which included presenting visual acuity measurement by Snellen’s chart, slit lamp examination to evaluate anterior segment injuries with fundus evaluation has done by indirect ophthalmoscopy and slit lamp biomicroscopy.

Results: Around 67\% of Pediatrics patients were urban dwellers and 30\% of pediatric patients were rural dwellers. Considering the children’s care taker from the total study samples 30\% had been state workers, employed in the non-state were 54\%, abroad were 4\% and self-employed were 12\%. Our study showed that a higher frequency of ocular trauma occurred at home (52\%), followed by school (34\%), playground (9\%), and finally the street (5\%). Among the mechanical
causes, ocular injuries common caused traumas buy hand of the others person of were 25%. Other commonest one is trauma by stone 17%. Followed by sharp objects 11%, while rest of injuries were caused by fall 09% and pencil 10%. Commonest age category was 0 to 5 years and trauma by hand is the common cause for injury. Even Some patients were come to the hospital within 24 hrs, but they had taken more than 12 hrs. It is considerable impact for the management and better prognosis of involved eye.

**Conclusion:** According to our findings, most common type of ocular trauma was blunt injury. Common pattern was closed globe injury. Preventions of paediatrics ocular trauma are important. Most of injury occurred at home.

**Key Words:** Common type, Ocular injuries, Pediatrics