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Service (sector) Trauma - Emergency Unit N° CEP

**Epidemiologic findings of ocular trauma in childhood in an emergency service.**

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Purpose : To describe the epidemiologic findings of ocular trauma in childhood in Emergency Unit. Method: Retrospective study. We revised patients files under 16 years old that were attended in Emergency Unit due ocular trauma accordind to age, gender, origin, circunstance and mechanism of injury, involved eye, initial visual acuity and management. Data underwent descriptive analysis and classification. Results : From september 2001 to october 2003 we included 138 patients in the study. The prevalent age group was 7 to 10 years (41%). Most of patients coming from Capital (74%). The right eye was affected in 53% of patients. The main cause was traumatism with extern objects like stone, iron or wood (25%) and the commonest place was at home (48%). Initial visual acuity was better than 0,8 in 49% of cases. Globe closed injury happened in 72% of accidents. Only 14% of cases needed surgery procedure. Conclusion : Most ocular trauma happened in domestic or leisure enviroment and were associated with stone, iron, wood or toys, being passive of prevention. Closed injuries was more frequently.