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## To the question of the effectiveness of pediatric Plusoptix A-09 using early diagnosis in children with refractive errors

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**Aim:** Aim of this study is the evaluation of effectiveness of early diagnosis using “Plusoptix A-09” system in children with refractive disorders.

**Materials & Methods:** A total of 110 children (220 eyes) were studied; 72 (65.4%) were boys and 38 (34.6%) were girls. The median age was of 1 to 10 years. Patients were subdivided into the following groups: myopia-23 eyes (20.09%), myopic astigmatism-13 eyes (11.81%), hyperopia-38 eyes (34.5%), hyperopic astigmatism-26 eyes (23.06%) and mixed astigmatism-11 eyes (10%). The study was conducted in patients on the unit “Plusoptix A-09” with a narrow pupil, and performed with a wide skiascopy pupil.

**Results:** Clinical refraction in children surveyed groups on this unit corresponded investigated using skiascopy. The discrepancy between the results and autorefractometry skiascopy was 0.5-1.0 D in different age groups.

**Conclusion:** The use of pediatric contactless autorefractometry “Plusoptix A-09” is a convenient, accurate way to determine the clinical refraction of the eye at the children's children.

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**Notes:**