

R1 R2 R3 PG0 PG1 Estagiário Tecnólogo
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Service (sector) Strabismus N° CEP

Screening for Amblyogenic Factors Using the MTI PhotoScreener Preliminary Results from 3404 Children

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Purpose: To describe the preliminary results from a school vision screening program using the MTI PhotoScreener (Medical Technology and Innovations, Inc., Cedar Falls, IA).

Participants: A total of 3404 children from São Paulo city and São José dos Campos city

Methods: Volunteers from local Lions Clubs took photoscreening photographs of children. Results were interpreted by a team of ophthalmologists from the Universidade Federal de São Paulo using the Vanderbilt University Photoscreening Referral Criteria

Results: During the 2 days of the screening program, 3404 children from elementary school were screened in 10 screenings centers. The screening referred 232 children, and 208 children the photographs were unreadable. The pontetial amblyogenic problems found were strabismus 36 (16%), anisometropia 40 (17%), high hypermetropia 38 (16%), high astigmatism 87 (38%), high myopia 16 (7%), ptosis 7 (3%), cataract 7 (3%) and coloboma 1 cases.

Conclusions: The MTI PhotoScreener can be used by volunteers when doctors supervision is present. The exam is possible for preschool children to detect amblyogenic factors.

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