

# Determination of the prevalence of childhood allergic conjunctivitis in eight elementary schools in the Southern Cone of Lima, Peru

Carlos Carrión Ojeda

INSN Breña, Perú



## Abstract

**Statement of the Problem:** In Perú are seven millón children and in Lima with a population of almost three million children it has been not reported until now child allergy prevalence studies.

**The purpose of this study:** To determine current epidemiological characteristics of children's eye allergy in te poor elementary students in South cone of Lima.

**Methodology & Theoretical Orientation:** We took significant sample to students from eight primary schools in three districts in the South of Lima, with 120,000 children. A cross-sectional and observational study was made, assessed and considered, on-site at each school 2,011 elementary students. For the calculation of samples we use Excel 2003 and for analysis we use SPSS 15.0.

**Findings:** With an increase in the frequency of eye allergy that increases with age. Eye allergy is more correlated with the blepharitis and the chalazion.

**Conclusion & Significance:** The prevalence of eye allergy 16.3% is moderate in the primary school population of Lima South, the eye allergy behavior is rising as advances school age ( $Y = 0.0305$   $X=0.0638$ ); It could be related to a longer exposure to allergens, as well as the lifestyle of the teenage pre peculiarities.

**Recommendations:** To do studies on the association of allergic conjunctivitis and other eye diseases such as ametropia and chalazion, the association of allergic conjunctivitis and lens use, as well as school dropout for this pathology.

## Biography:

Carlos Carrion Ojeda is a pediatric ophthalmologist and strabologist member of the Latin American strabismus council. He is the member of the Peruvian society of ophthalmology, has his expertise in evaluation and passion in improving the ocular health and wellbeing of pediatric population. He has many years of experience in research, evaluation, teaching and administration both at National Institute of Child Health - Breña of Lima and San Marcos National University, as invited teacher. He is also an inventor of amblyopia treatment syrup patented in Peru. He has written a book on pediatric allergic conjunctivitis and has several research papers published in scientific journals. He has practiced pediatric ophthalmology more than 20 years ago at the National Institute of child Health and other pediatric clinics.

## Publications

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