

#### بحث رقم ( 4 )

#### عنوان البحث باللغة الانجليزية

### **Common vestibular disorders in children in Fayoum governorate: a cross-sectional study**

#### مكان و تاريخ النشر

*The Egyptian Journal of Otolaryngology (2022) 38:26*

<https://doi.org/10.1186/s43163-022-00222->

Background: Vertigo in paediatric age is not a rare condition. However, a lack of awareness about causes of dizziness in children besides the absence of standard diagnostic workup often leads to unnecessary procedures in managing these cases. The purpose of this cross-sectional study was to determine the prevalence and frequency distribution of balance abnormalities in dizzy children. Additionally, the questionnaire's utility as a screening tool and its predictive accuracy are discussed. Thus, an organized strategy can be allocated to assist the diagnostic process, which is likely to eliminate unnecessary and costly evaluations.

Results: This study comprised 848 children who presented with any of the dizzy symptoms referred to the Audio- Vestibular Unit, Fayoum University Hospital. The suggested diagnosis was 23.9% of the cases suffered from otitis media either alone or combined with other diseases, while 17.6% had benign paroxysmal vertigo of childhood. Migraine patients represented 11.2% of the cases. Only 5.5% of subjects had benign paroxysmal positional vertigo. 78.3% of cases with possible diagnosis showed agreement in diagnosis by both paediatric dizziness questionnaire and the final diagnosis reached by a full assessment of the patients. Conclusion: Diagnosing dizziness in children is challenging; nevertheless, a structured history taken in conjunction with a vestibular examination is crucial for establishing an accurate diagnosis. The questionnaire appears to be an even-handed tool for diagnosing dizzy children.