

ABSTRACT

Correlation between Earphone Usage and Visiting Game Center with Hearing Threshold

Simon Nathanael Wicaksono, Linda Dewanti, Nyilo Purnami

Background: Noise-induced hearing loss is affecting more people than in the past. For the young adult NIHL is related to noises produced during recreational and leisure activity. In Surabaya, there are still little to no data regarding hearing loss related to recreational and leisure activity. The objective of this study was to know the correlation between earphone usage and visiting game center with hearing threshold

Methods: This observational analytic with cross sectional design study involved 16 students who visited game center in November 2016-January 2017 and fulfilled the inclusive criteria and exclusive criteria. The data collected using questionnaire and hearing threshold examination and analyzed using Spearman's rho test with p-value (p) <0.05 and confidence interval (CI) 95%.

Result: There were no significant correlation between volume of earphone usage with hearing threshold. There were no significant correlation between duration of earphone usage with hearing threshold. There were no significant correlation between frequency of earphone usage with hearing threshold. There were no significant correlation between duration of visiting game center with hearing threshold. There were no significant correlation between frequency of visiting game center with hearing threshold.

Conclusion: There were no correlation between earphone usage and visiting game center with hearing threshold.

Keywords: earphone, game center, hearing threshold, young adult