

# EFFECTIVENESS OF ORAL HYGIENE INSTRUCTION MEDIA ON PERIODONTAL HEALTH AMONG HEARING IMPAIRED CHILDREN

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**Abstract.** The objective of this study was to evaluate the effectiveness of oral hygiene instruction media on periodontal health in hearing impaired children over a period of three months. The study was carried out among 66 hearing impaired children (aged 6-10 years). The children were randomly divided into 4 groups by oral hygiene instruction media type: video presentation group, illustrated book group, both video presentation and illustrated book group, and control group. The gingival index (GI), gingival bleeding index (BI), and plaque index (PI) were recorded at baseline and at 3 months follow-up. After three months, there was a significant reduction from baseline in the mean values for GI, BI, and PI in all groups including the control group ( $p < 0.001$ ). Further studies to determine what factors resulted in this reduction are necessary.

**Keywords:** hearing impaired children, oral hygiene instruction media, tooth brushing, illustrated book, video presentation

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