Original Paper

Comparison of head and shoulder posture in blind, deaf and ordinary pupiles

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Abstract

Background and Objective: Proprioceptive, vestibular and visual senses control human movements. This study was carried out to compare the posture of head and shoulder in blind, deaf and ordinary pupiles.

Materials and Methods: This descriptive and analytic study was done on 16 blind, 30 deaf and 60 ordinary pupiles in Ardabil city, Noth-west of Iran. Sagital and frontal planes Photos for each child was used for determination of head and shoulder deviation.

Results: Forward head in blind group significantly was lower than deaf and ordinary pupiles ($P<0.05$). Rounded shoulder in blind and deaf pupiles significantly was lower than ordinary pupiles ($P<0.05$). Uneven shoulders in deaf pupiles significantly was lower than ordinary and blind children ($P<0.05$). Lateral flexion of the head in blind and deaf pupiles significantly was higher than ordinary children ($P<0.05$).

Conclusion: There is a relationship between sensory impairment and postural problems paticularly in blindness Pupils.

Keywords: Forward head, Uneven shoulder, Rounded shoulder, Extended head, Blind, Deaf

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