

Influence of Orthodontists Gender and Experience on the Perception of Dentoskeletal Parameters Using Cephalometric Radiographs: A Questionnaire Study

Essam Nassef, Fouad A. El Sharaby

Abstract

AIM: The aim of the study was to evaluate the influence of orthodontist's gender and experience on the perception of dentoskeletal parameters through cephalometric radiographs.

METHODS: An online survey was developed using six laterals cephalometric radiographs. The survey included questions about clinicians' demographics as well as questions about the selected radiographs. The survey was distributed through Egyptian association of orthodontist's partner to 200 members.

RESULTS: Comparison between orthodontists with three level of experience showed there was a statistically significant difference between the three groups regarding total score of correct tracing [P-value = 0.004, Effect size = 0.085]. Pair-wise comparisons revealed that Orthodontists with more than 10 years of experience showed the statistically significantly highest median score. There was no statistically significant difference between Orthodontists with experience less than 5 years and those with 5 to 32 years of experience; both showed statistically significantly lower median scores.

CONCLUSIONS: Orthodontist with more than 10 year of experience showed higher prevalence of perception of dento- skeletal parameters on lateral cephalometric radiographs than the less experienced groups. No association was found between clinicians' gender and perception of dento-skeletal parameters.

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