

عنوان مقاله:

The Use of IOTN in Determining Orthodontic Treatment Needs of Turkish Adolescents

محل انتشار:

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خلاصه مقاله:

Background To evaluate orthodontic treatment need (OTN) in a juvenile populace, utilizing the Index of Orthodontic Treatment Need (IOTN), including sexual orientation contrasts evaluation. **Methods** The example involved ۲۲۵۰ young people, ۱۳.۱ - ۱۷.۴ years of age (mean age, ۱۴ years and ۶ months). The examinations were done on the study models and all encompassing radiographs taken from every subject. The dental health (DHC) and aesthetic (AC) segments of the IOTN were applied as an evaluation measure of the requirement for orthodontic treatment. The agreement (kappa measurements) was ascertained to examine the understanding between the DHC and the AC of the IOTN. **Results** Utilizing the DHC of the IOTN, the extent of subjects assessed to have an incredible or extremely extraordinary treatment need was ۲۸.۷%, and ۱۶.۷% were in need (grades ۸ - ۱۰) as indicated by the AC (IOTN). No sexual orientation contrasts were noted, with the exception of no need class of the IOTN (more successive in young men) as per the DHC (chi-square: ۶.۸۳, df: ۱, $P = ۰.۰۱$). There was a moderate agreement between the DHC and the AC of the IOTN (kappa = ۰.۴۹, ۹۵% CI, ۰.۴۷ - ۰.۶۳). **Conclusions** Using the IOTN, approximately a third of the adolescent school children were being found to be qualified for treatment in open programs.

کلمات کلیدی:

Orthodontic Treatment Need, Adolescent, IOTN

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