

عنوان مقاله:

Assessment of IOTN in patients under treatment in ۴ Tehran dental schools and ۲ private offices, ۲۰۰۴-۲۰۰۶

محل انتشار:

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خلاصه مقاله:

Aim: Awareness of orthodontic treatment need is very important in hygienic planning and dentistry insurance. This study determined the rate of orthodontic treatment need based on IOTN index in ۱۲-۱۶ year old patients undergoing orthodontic treatment in ۴ Tehran dental schools and ۲ orthodontic private offices in ۲۰۰۴-۲۰۰۶. Materials and Methods: In this descriptive research, study casts and charts for ۲۰۹ patients aging ۱۲-۱۶ in ۴ dental schools of Tehran and ۲ orthodontic private offices were surveyed based on IOTN index in different ages and in terms of gender. Classifications (CI,II,III), overjet, openbite, deepbite, crossbite, contact displacement, supernumerary, ankylosed, impacted and missing teeth, cleft lip, cleft palate and lip, cleft palate, and facial asymmetry were evaluated, and compared with IOTN results achieved from ۲۲, educational districts of Tehran. Chi-square, Fisher's Exact and ratio equality tests were used to analyze the data. Results: Among ۲۰۹ patients under treatment, ۲۲.۵% needed very severe treatment (grade۵), ۳۳% severe (grade۴), ۴.۳۶% average (grade۳) and ۸.۲% needed less or no treatment (grades۱&۲). The number of girls being treated was more than boys (۶۶.۵%); most of the patients under treatment were ۱۲ years old (۶۷ persons= ۳۲.۱%); the most common causes of orthodontic treatment were contact displacement ۵۷.۴%, overjet ۲۲.۵ and deepbite ۱۷.۷%. Conclusion: Regarding treatment need among patients under treatment, we concluded that most of the treated patients needed treatment based on IOTN and the number of .patients needing simple treatment was very small, so treatment decisions were made according to IOTN

کلمات کلیدی:

Malocclusion, treatment need, IOTN

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