

عنوان مقاله:

Comparing the mesiodistal crown size of permanent teeth in male and female orthodontics patients

محل انتشار:

دوفصلنامه انسان، سلامت و معیارهای حلال، دوره 1، شماره 2 (سال: 1399)

تعداد صفحات اصل مقاله: 6

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خلاصه مقاله:

Background and objective: In orthodontics, reconstructive and aesthetic dentistry, knowing about size of teeth can help in better reconstruction. Tooth size is mainly affected by two factors of genetic and environment. The aim of this study is determination of mesiodistal size of casts prepared from permanent teeth in both sides of jaw in male and female patients. Materials and methods: A descriptive-analytical study was conducted on 250 diagnostic alginate casts prepared from orthodontics patients. The biggest mesiodistal size, from medially anatomic contact point to distally anatomical contact point, was recorded with a digital caliper. One person did the measurements and accuracy was calculated as 0.01. Results and conclusion: In maxillary teeth, higher size was recorded than mandibular teeth. Mesiodistal size of right canine teeth (in both jaws) and mesiodistal size of the mandibular second premolar (in both sides) in men was significantly higher than women. Total mesiodistal size of maxillary and mandibular teeth at both right and left sides in men and women was same. The results can be useful in reconstructive purposes when a natural size is required by dentists.

کلمات کلیدی:

Crown size, mandibular teeth, maxillary teeth, permanent teeth, Sexual dimorphism

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