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Study of variations of the dental dimensions depending on angle occlusal classes, sex and homologous tooth

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The present study was performed on a sample of 140 Moroccan dental models in the orthodontics Department of the Faculty of Dental Medicine of Rabat. It consists of measuring of maxillary and mandibular dental-dimensional with the digital caliper in samples which were separated into male and female teeth, left and right teeth of the same arch, occlusal classes I, II and III. Results are reported and statistically processed using SPSS version 18 software. The aim of this study is to check the existence of a change in the dental dimensions according to the various parameters such as sex, right and left teeth or Angle occlusal classes. The results are statistically significant only for the maxillary arch in Class I and III. ($p < 0.05$). However, they are not significant between males and females and confirmed also a symmetry of the homologous teeth ($P > 0.05$).

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