

Cortical bone in mandibular symphysis of class I subjects [Hueso cortical en sínfisis mandibular de sujetos de clase I]

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The aim of this research was to evaluate the relation between the cortical bone in the anterior and posterior area of the mandible. Were selected 18 subjects, male and female, with dental and skeletal class I; in all of them was realized a cone beam computed tomography to make a morphometric analysis in agreed with de canine, lateral incisor and central incisor in the right and left, side. Was analyzed the distance in cortical area in a line from the dental apex and the horizontal line was obtained 5 mm and 10 mm from the dental apex; statistical significance was obtained by ANOVA considering a p value <0.05 . Was observed that the cortical bone is thicker in the lingual side than the buccal side (1 mm difference approximately); the low cortical presented bigger size than anterior or posterior cortical bone; was not observed statistical differences between bone related to teeth. Its concluded that the buccal cortical bone is lower than lingual cortical bone; it is necessary an analysis about the surgical implications. © 2016, Universidad de la Frontera. All rights reserved.

Mandible morphology

Mandible osteotomy

Mandible symphysis