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Título da dissertação: Alterações Dimensionais No Rebordo Ósseo Após Exodontia

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Palavras Chaves: tooth extraction, bone loss, CBCT scan

Resumo: The aim of this investigation was to describe dimensional bone alterations following tooth extraction on CBCT scans. Forty-six patients presenting a single edentulous area in the anterior region of the maxilla with corresponding contra-lateral tooth were included in this study. Alveolar cross-section area, height and width measurements were performed in Tooth and Edentulous sites. Patients were divided according to width of the buccal bone at 3mm below CEJ into: Thin (<1mm) and Thick (\geq 1mm) buccal walls groups. The differences between the groups were evaluated with the use of Wilcoxon rank-sum test ($\alpha=0.05$). All measurements displayed statistically significant differences when comparing both sites ($p<0.05$). In Edentulous site, 76% of the subjects exhibited an alveolar ridge that was <80mm² large and in 20% of the sample < 8mm high. The thin buccal wall group demonstrated greater % reduction area compared with Thick group (39% vs. 24%). In conclusion, alveolar bone suffers significant dimensional reductions after tooth extraction. It is suggested that lack of bone will occur following implant installation at anterior region of the maxilla and that ridge augmentation procedures should be considered to compensate such bone loss.

Biblioteca:

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