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**&**

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**Assessment of osteoporotic alterations in Type 2 Diabetes: A retrospective study**

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**Aim:** The present study aimed to analyze the influence of Type 2 diabetes on bone mineral density (BMD) and panoramic radiomorphometry in postmenopausal females, comparing with results from nondiabetic postmenopausal females.

**Methods:** A total of 228 postmenopausal females (mean age: 59.51 ± 11.08 years) were included in this study. Demographics, T scores and Z scores from peripheral dual X-ray absorptiometry (DXA) and mandibular cortical index (MCI) from panoramic radiographs were assessed. Mean comparison between results for diabetics and non-diabetics was carried out with the Student's t-test. In addition, non-parametric correlations between MCI and DXA results were carried out with Spearman's test, at a level of significance of 5%.

**Results:** Mean Z score values were significantly higher in diabetics than in non-diabetics (p 5 0.001). T and Z score values were also significantly correlated with MCI (r 5 0.428, p 5 0.001, and r 5 0.356, p 5 0.022, respectively).

**Conclusions:** Within the limitations of this study, the present results suggest that Type 2 diabetes might increase BMD in postmenopausal females.

**Biography**

Nagano C P has been graduated from Dental School of the University of Sao Paulo (FOUSP), as a Dentist, with Master degree in Oral Pathology & Stomatology (FOUSP), including specialization in Implantology (Military Hospital of Sao Paulo). She served as a Dentist at the Stomatology Service, Hospital das Clínicas, Medical School of the University of Sao Paulo (HC-FMUSP). Currently working in her Doctorate degree in Oral Diagnosis at the Dental School (FOUSP), with interuniversity exchange doctorate at University of Paris VII (Paris Diderot), where she has been developing her research.

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