

## **Ultrasonic Densitometry of Bone Tissue of Jaws and Phalanges of Fingers in Patients after Orthodontic Treatment**

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**Abstract :** The ultrasonic densitometry (RU patent № 2541038) was used to assess the density of the bone tissue in the jaws of patients after orthodontic treatment. In addition, by ultrasonic densitometry assessed the state of the bone tissue in the region III phalanges of middle fingers in above mentioned patients. A comparative study was carried out in healthy volunteers of same age. It was established a significant decrease of the ultrasound wave speed and bone mineral density after active period of orthodontic treatment. Statistically, significant differences in bone mineral density of the fingers by ultrasonic densitometry in both groups of patients were not detected.

**Keywords :** intraoral ultrasonic densitometry, bone tissue density of jaws, bone tissue density of phalanges of fingers, orthodontic treatment

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