

**Направлявана тъканна регенерация в лечението на  
челюстни костни дефекти**

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**Guided tissue regeneration for treatment of jaw bone defects**

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**Abstract**

The purpose of the present study is to evaluate the effectiveness of a combined method of guided tissue regeneration with allogeneous dura mater and demineralized bone matrix for treatment of jaw bone defects. The combined treatment was applied to 218 patients with 263 defects of different size and etiology, including periodontal (n = 104) and endodontic defects (n = 64), odontectomies (n = 16), jaw bone cysts (n = 49) and benign tumors (n = 2), other types of alveolar defects (n = 6) and alveolar insufficiencies (n = 22). Two hundred and twenty one defects (84.03%) healed uneventfully. There were 28 dehiscencies (10.65%) with no influence on the regenerative therapy that healed per secundam after professional hygienic measures. Complications affecting the regenerative treatment were observed in 14 defects (5.32%) varying from dehiscence of the wound with suppuration and/or transplant rejection (n = 10; 3.8%) to abscess formation (n = 4; 1.52%). During the twelve-month follow-up period biometric measurements were made in the subgroup of complex furcation involvements which revealed bone gain of 51.72 % to 66.01 % responding to the treated pathology. The scheduled ra-

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