

**Лечение на костни дефекти на челюстите с комбинирана методика за  
направлявана тъканна регенерация с ензимно-обработена  
замразена лиофилизирана алогенна твърда мозъчна обвивка и  
деминерализиран костен матрикс.**

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**Treatment of jaw bone defects with combined technique for guided  
tissue regeneration with enzyme-processed freeze-dried lyophilized  
allogeneous dura mater and demineralized bone matrix.**

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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 radiographic examinations showed bone formation in all cases 9 – 12 months after the regenerative procedure. The authors conclude that combined treatment may benefit bone regeneration in many difficult situations commonly met in oral and maxillo-facial surgery.

*Key-words:* guided bone regeneration, resorbable barriers, enzyme-processed lyophilized dura mater, demineralized bone matrix.