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Results According to CBCT 3-D results the necessary bone volume was present in 25 patients and implants were successfully installed. But in 5 cases after 6 month additional bone grafting was needed, because of the complications: graft exposure -2 patients, oro-nasal fistula -2 patients, insufficient formation of bone -1 patient.

Conclusion. Bone grafts from iliac crest, mandibular ramus and symphysis can be used with success in osteoplasty of alveolar congenital defects. There were no significant difference between this three graft sites, important is the recipient bone place. To gain more relevant conclusion in time the study is continuing.

Key Words cleft lip and palate, secondary bone grafting

301. IMPROVEMENT OF PERIODONTAL STATUS BY ADMINISTRATION OF LACTOBACILLUS REUTERI

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Introduction. Dental caries and periodontitis are the most common infectious diseases in humans. Recently, there has been increasing interest in probiotic control against these oral infections and a number of clinical trials have been conducted to elucidate the possible impact on oral health. The aim of this study was to evaluate the effects of Lactobacillus reuteri-containing probiotic tablets as an adjunct to scaling and root planing.

Materials and methods. Fifty nine chronic periodontitis patients with initial lesions, generally healthy, were recruited and monitored clinically (measures of periodontal pocket depth, clinical attachment level, gingival index, plaque index) and microbiologically (red complex + *Aggregatibacter actinomycetemcomitans*) at baseline and after 20 days after therapy. All patients received one-stage oral hygiene session and randomly divided in two groups: 1st group – at 29 patients was performed scaling and root planing; 2nd group - 30 patients with scaling and root planing + probiotic (1×10^8 CFU/day). The tablets were used once a day, in a period of 20 days.

Results. After periodontal therapy, measures indicated significantly reduced clinical and numerical microbiological parameters in scaling and root planing + probiotic.

Conclusions. Oral administration of L. Reuteri could contribute to the beneficial effects of periodontal conditions.

Key-words: probiotics, periodontitis, initial.