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CLINICAL RESULTS OF LOCAL REMINERALIZES THERAPY
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Introduction. One of the main methods of treatment of acute initial caries is first application of remineralizing agents. The mission of our research was to study the clinical efficacy of local cream «JI SI MI Paste Plus» (made in Japan.) in patients with acute initial caries. This water-based cream contains Recaldent adding fluoride (CPP-ACP, casein phosphopeptide - amorphous calcium phosphate, sodium fluoride). The content of sodium fluoride is 0.2% (900ppm), which approximately corresponds to its concentration in toothpastes for adult patients. According to the prescribing information, CPP-ACP molecule in the oral cavity associated with biofilm, dental plaque, tooth enamel hydroxyapatite crystals deposited and soft tissue localizing bioavailable calcium, phosphate and fluoride. Salivation enhance the effectiveness of CPP-ACP, and flavoring agents, in turn, increase salivation. Efficiency also increases depending on length of stay CPP-ACP complex in the oral cavity. Dental Cream provides additional protection for the teeth, helps neutralize acid, acid-induced activity of plaque bacteria, as well as the acidity of other internal and external sources. The research involved 12 patients of both sexes aged 19-23 years (involves 4 patients pregnant women 20-28 weeks). Acute initial caries was diagnosed after clinical examination with the use of vital staining with 2% solution of methylene blue of affected teeth areas: fissures, cervical area, the interproximal surface. Oral hygiene index according to Fedorov-Volodkina and enamel resistance test was determined in all patients. Oral hygiene test indicators were within 1.2-1.7; enamel resistance test values of - 20- 30%. Treatment of acute initial caries was carried out according to the "Protocols dental care" applications using a 2.5% solution of calcium glycerophosphate daily. Following a professional oral hygiene, patients were trained in the individual oral hygiene recommendations on nutrition, appointed complex "Calcium-D3 Nycomed" for intake.

Results. Patients were divided into two groups: Ist group - with sensitive teeth to sweet and sour (5 persons); Group II^d - no symptoms of hypersensitivity (7 persons). Patients in Ist group further recommend use the cream «JI SI MI Paste Plus» according to the instructions at home. At the end of the month results of examination in the treatment process showed that the first group has almost disappeared tooth sensitivity, improved indicators TER-test (10%), carious spot has tended to decrease in diameter. Remineralization process the patients of the second group patients was slower going diameter of carious spots changed significantly, TER -test was within 10 - 20%.

Conclusion. According to the preliminary results, we can recommend a cream «JI SI MI Paste Plus» as an additional means in the treatment of acute initial caries.