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**Determination of the concentration of calcium under lecithin-calcium complex
in persons with multiple caries**

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The aim of our study was to investigate the influence of lecithin-calcium complex "Lecithin-2" containing calcium citrate and lecithin as a source of phosphorus □ on biochemical indices of oral fluid in patients with multiple dental caries.

Materials and methods. Of troops surveyed were allocated into two groups: basic - 52 patients with a diagnosis of multiple cavities, which are placed on the basis of the clinical examination, the test - 12 healthy patients without severe dental and somatic pathology. The monitoring team conducts routine dental health. Patients of the group from the first day the survey received the drug "Lecithin-2", produced by NPA "Odessa Biotechnology". Patients were "Lecithin-2" 3 times a day for half an hour before meals and 1 tablet to complete resorption of the mouth, a course of 30 days. Patients in the first day of the test, and then a month later collected unstimulated saliva. In the supernatant was determined following biochemical indicators - party system □ remineralization calcium, one of the factors of antioxidant enzyme catalase □. For comparison, using saliva from 12 healthy patients.

The results of the study. In patients with caries significantly reduced the concentration of calcium, which, after treatment returned to normal, indicating that restoration of function remineralizing saliva. In patients with dental caries in more than 2-fold reduced activity of one of the antioxidant enzymes catalase, and after a course of "Lecithin-2" the figure returns to normal.

Conclusions. As a result of our research found that patients with multiple dental caries observed reduction in antioxidant defense system and reduce the concentration of calcium in saliva. Admission for the month lecithin-calcium complex "Lecithin-2" rose to the normal level of antioxidant-prooxidant system and the calcium concentration in the oral fluid.

