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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.

