

improve dental health and to prevent the development of possible diseases of the dental system of the mother, as well as of her child as a whole.

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**A COMPREHENSIVE TREATMENT OF CHRONIC GENERALIZED PERIODONTITIS
IN PATIENTS WITH FIXED DENTURES
AND COMORBID GASTRIC AND DUODENAL ULCERS**

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A comorbid course of chronic generalized periodontitis and gastric and duodenal ulcer disease, especially in the presence of fixed dentures, requires careful selection of a comprehensive treatment with correction of oxidant-antioxidant balance and restoration of metabolic processes of components of extracellular matrix in periodontium.

The aim of the study: to establish the effectiveness of usage of L-glutathione and connective tissue stabilizer (nemoliks C3) in the comprehensive therapy of chronic generalized periodontitis in the presence of fixed dentures at concomitant gastric and duodenal ulcer disease. Material and methods of research: 60 patients with chronic generalized periodontitis and concomitant gastric and duodenal ulcer disease in the cicatrization stage with fixed dentures were examined. Two groups of patients were formed: group 1 (25 people) who received L-glutathione in addition to traditional therapy and group 2 (35 people) who also received nemoliks C3. Clinical examination of the periodontal tissues and laboratory examination of patients were performed. The obtained results were statistically processed.

In the dynamics of treatment, a unidirectional and almost identical in strength decrease of the intensity of lipid peroxidation in patients of the 1st and 2nd groups ($p > 0.05$) was found. A more intensive effect of L-glutathione and nemoliks C3 on the natural system of antioxidant protection has been established. In patients of both groups after the course of treatment there was a significant increase in the content of reduced glutathione in erythrocytes (in 1.7 times, $p < 0.05$) with normalization of the value ($p > 0.05$). Analysis of the results of the study of cytokines in blood in the dynamics of treatment showed their reliable decrease in the 2nd group of patients: TNF- α , IL-1 – respectively in 2.2 and 2.9 times ($p < 0.05$) and increase of TGF- β_1 content – in 2.1 times ($p < 0.05$), while in patients of the 1st group changes were not reliable after treatment with the presence of intergroup difference ($p < 0.05$). According to the data obtained, the content of protein-bound hydroxyproline in the dynamics of treatment of patients of the 1st group remained unchanged ($p > 0.05$), but in patients of the 2nd group it increased in 1.7 times ($p < 0.05$) with normalization of the indicator. At the same time, the rate of free hydroxyproline in the blood of patients of the 1st group after treatment decreased by 11.5 %, and in patients of the 2nd group – by 28.6 % ($p < 0.05$) with normalization of the indicator ($p > 0.05$) and the presence of a difference with the indicator after treatment in the 1st group ($p < 0.05$).

Thus, the comprehensive therapy of patients with chronic generalized periodontitis and gastric and duodenal ulcer disease in the cicatrization stage with fixed metal-containing dentures with the inclusion of L-glutathione and nemoliks C3 helps to reduce lipid peroxidation, to reduce the level of proinflammatory cytokines, to restore the metabolic processes of components of extracellular matrix of periodontium.

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**STUDY OF LOCAL IMMUNITY IN PATIENTS WITH CHRONIC GENERALIZED
CATARRAL GINGIVITIS BEFORE AND AFTER COMPLEX THERAPY**

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Significant prevalence, especially among young people, the number of increasing of cases of long-term course with frequent exacerbations on the background of insufficiently effective treatment, make the problem of generalized catarrhal gingivitis one of the most relevant and