

THE RELEVANCE OF CREATION DENTAL GEL BASED ON NATURAL RAW MATERIALS FOR TREATING OF STOMATITIS

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Now it is considered that the stomatitis is a general term which includes inflammatory diseases, degenerative lesions of the oral mucosa of both infectious and non-infectious nature.

Stomatitis may occur in patients of all ages, but each age group has the specific form of this disease of the oral mucosa. For example, in childhood are more common acute aphthous and fungal stomatitis. In adolescence dominates catarrhal stomatitis. After 40 years the most frequently aphthous stomatitis is detected.

Considering the current approaches to the treatment of stomatitis, it should be noted that when the development of drugs for their treatment, they must possess antimicrobial, antiviral, anti-inflammatory and wound-healing pharmacological activity.

Today more and more dentists are advised to use in the treatment of stomatitis drugs based on natural plant material, the advantage of which is wide focused therapeutic action and the almost complete absence of side effects

Analyzing the current pharmaceutical market of drugs for topical treatment of stomatitis based on natural plant materials, it is worth noting that most of them are represented by liquid dosage forms (tinctures, solutions for external use, etc.). However, following the instructions on their use, the use of these drugs should be carried out at least 5-6 times a day, which affects the patients' compliance.

More modern dosage forms, such as dental gels based on natural compounds, are represented only by a few drugs. However, the herbs in their composition are only combined with synthetic substances; that in turn causes the relevance of development the new dental gel based on natural plant raw materials.

After examining the range and pharmacological properties of medicinal plants that can be used in the treatment of stomatitis, as active ingredients for development a dental gel for the treatment of this disease, we have chosen dry extract of licorice root and essential oils of sage and peppermint. These active ingredients have necessary antimicrobial, antiviral, anti-inflammatory and wound-healing pharmacological activities for the treatment of stomatitis.

Further aim of our work is to develop composition and technology of a new dental gel based on natural raw materials for treating of stomatitis.