

EMULGEL COMPOSITION SUBSTANTIATION FOR THE DRY SKIN TREATMENT

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Introduction. One of the frequent complaints of patients that cosmetologists and dermatologists encounter in their practice is a complaint of dry skin - xerosis. Dry skin is a very common problem that every person faces at one time or another. This condition can be both transient and permanent, it can be generalized and limited.

Selection and appointment of adequate therapy, including a moisturizing one, is one of the most important tasks of any dermatologist or cosmetologist.

Emulgels are transparent, isotropic, thermodynamically stable gels consisting of appropriate emulsifiers, as well as lipophilic and hydrophilic components.

Aim. The purpose of the work was to substantiate the emulgel composition for the dry skin treatment.

Materials and methods. Database of scientific articles and Internet resources were used for search materials. During the work, the following general scientific methods of research were used: analysis, synthesis, comparison, generalization, comparison, systematization for processing literary data.

Results and discussion.

For the gel composition development, the properties of the following API were used: dry extract of *Fucus vesiculi*, Lavender oil. Olive oil, emulsifier Aristoflex AVC and water purified were used as additives.

Based on literature data, dry extract of *Fucus vesiculata* contains micro and macro elements, amino acids, vitamins, organic acids, fiber, polysaccharides (alginates, laminaran, fucoidan), polyphenols. *Fucus vesica* contains a significant amount of fucoidan - a sulfated heteropolysaccharide. And exhibits anticoagulant, antibacterial, antiviral, antioxidant, hypolipidemic, anti-inflammatory, antitumor, immunomodulating activities, strengthens the walls of blood vessels, stimulates intracellular processes, which can predict a regenerative effect, cleanses, moisturizes and tones the skin, helps to regulate fat metabolism and strengthen the skin structure.

Lavender oil is an essential oil obtained by distillation from the flower spikes of certain species of lavender. Lavender oil has been used as a perfume, aromatherapy, and skin application. Lavender oil contain monoterpeneoid and sesquiterpeneoid alcohols.

Conclusions. Therefore, when choosing products for moisturizing therapy, preference should be given to natural components with a high affinity for the skin, low toxicity, and taking into account the needs of patients with a dermatological profile.

Resulting we can conclude that emulgel with dry extract of *Fucus vesiculi*, Lavender oil, Olive oil, Aristoflex AVC and water can be used for dry skin (xerosis) treatment.