

244 FP, Neusilin UFL and Aerosil) and lubricants (calcium stearate, Compritol 888 and sodium stearyl fumarate).

The tablet mass was prepared by mixing 0.3 g of DZOE per tablet with 0.165 g of the diluent and excipients from each group.

The effect of excipients on parameters such as bulk density, tapped density and Carr index of tablet mass, as well as disintegration, hardness and friability of the obtained tablets were studied.

Mathematical methods used to process the experimental data included: mathematical planning of the experiment, analysis of variance, regression analysis and methods based on the theory of vector optimization.

Results and discussion.. Based on the analysis of variance, the optimal excipients in the composition of tablets with ginger extract were selected: from the group of binders - Kollidon K30, as a moisture regulator - Neusilin UFL 2 and lubricant - calcium stearate.

Using a methodology based on the theory of multi-objective optimization, the optimal amounts of selected excipients were established, namely: Kollidon K30 - 3.5%, Neusilin UFL 2 - 1%, calcium stearate - 1%, which provided the necessary pharmacological indicators in accordance with the SPU requirements to tablets with dry ginger extract.

Conclusions. Thus, based on the method of mathematical planning and regression analysis, the optimal composition of tablets with dry extract of medicinal ginger under the conditional name "Imbitab" has been substantiated.

DEVELOPMENT OF CREAM FOR CORRECTION OF SEBOREA

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Introduction. Seborrhea or seborrheic dermatitis - a pathological process of chronic course, characterized by dysfunction of the sebaceous glands. Under such conditions, there is excessive production of sebaceous secretion, which is a favorable condition for fungal skin lesions (reproduction of pathogenic fungi). If the dysfunction of the sebaceous glands is to reduce the production of sebaceous secretion, there is a decrease in the protective mechanisms of the skin, which develops an inflammatory process. In both cases, seborrhea of the head is accompanied by extremely unpleasant symptoms and significantly reduces the quality of life. Widespread and steady increase in morbidity determines different approaches to treatment, the main purpose of which is to achieve long-term positive results. Seborrheic dermatitis is a serious disease of the scalp. The scalp is intensely flaky, the person is constantly bothered by itching, there is a need for frequent washing of the head to avoid this active peeling. Inflammation can join these displays. Treatment and prevention of seborrheic dermatitis is one of the most pressing problems of dermatology and cosmetology. The urgency of this problem is caused, first of all, by the prevalence and constant increase in the incidence of this nosology, as well as the difficulty of choosing an effective correction with a long-term positive result.

Now on the world market there are sufficient methods of seborrhea of the face and scalp, also use special cosmetics that contain complexes of substances.

After analyzing the market of cosmetics and medicines for skin care with seborrhea of the face and scalp, it was found a small number of tools (mostly from foreign manufacturers) that can combat this problem. Thus, we can conclude that the development of a cream for the treatment of

seborrhea of the face and scalp, which would perform the tasks, and was moderate in price, is relevant for the Ukrainian market of cosmetology

The aim is to study the properties of coconut and almond oil.

Research methods are literature sources and Internet resources.

Results and discussion. Consider the properties of coconut and almond oil. Coconut oil has a moisturizing effect on all skin types, also has regenerative properties, antibacterial and antifungal effect, helps fight skin irritation, stimulates collagen production and protects against ultraviolet rays. Coconut oil moisturizes hair, reduces its fragility and hair loss. Great for irritated scalp, stimulates hair growth and fights dandruff.

Coconut oil is a vegetable oil derived from copra. Traditionally used in soap making, for the manufacture of cosmetics. It is often made by hot pressing fresh dried coconut pulp. Less often it is carried out by a method of cold pressing of the dried copra. This method is more gentle, which allows you to save all the useful properties of the oil, but this method can get no more than 10% of all oils. The pour point is 19-23 ° C. When heated to 27 ° C it becomes transparent, liquid, straw-yellow.

Coconut oil has a number of health benefits. And the basis of this was a unique bio composition. The value of the product in the first place - in the content of 92% of saturated fatty acids. It is worth noting lauric (50%), myristic (20%), capric (5%), oleic (6%), stearic (3%) acids. Natural coconut oil is rich in Omega-3 linolenic acid and Omega-6 linoleic acid (0.5% each). It is a source of vitamins A, E, B1, B2, B3, K, C, micro- and macronutrients (C, K, Ca, Fe, P), betaine, monoglycerides, ethoxylates of esters.

Cosmetic almond oil is a valuable source of beauty and health not only for the skin, but also for hair, nails and even eyelashes. First of all, the tool is rich in vitamins A, E, F, B, which are responsible for the smoothness and elasticity of the skin, the strength and shine of the hair, the beauty and hardness of the nails. Vitamin E can significantly slow down the aging process of the skin and protect it from ultraviolet radiation.

Vitamin A moisturizes the skin well, and F normalizes the sebaceous glands. Almond oil is perfectly absorbed, does not leave an unpleasant greasy film. It can be used in its pure form without fear of an allergic reaction, as well as added to ready-made cosmetics.

The best beneficial property of almond oil is moisturizing the skin. The oil helps to restore the outer layer of the skin, prevents dehydration and rehabilitates dry skin, helps to even out skin tone and texture, prevents wrinkles and brightens complexion. Protects from ultraviolet rays. Redness, itching and rashes on the skin can be reduced by using almond oil.

Due to its properties, coconut and almond oil were used to develop a cream for the treatment of seborrhea, which can soften and moisturize the skin.

Conclusions. It is shown that - seborrhea is a polyetiological disease, the treatment of which is always complex, individually differentiated taking into account the localization and other factors.

It was found that the drug therapy of seborrhea of the face and scalp can be complex, taking into account the clinical course and individual characteristics of the client.

API analysis for local treatment of seborrhea of the face and scalp, which allows us to say that today the range of substances has expanded significantly, and high efficiency is based on a combination of components that provide a comprehensive and versatile effect of seborrhea of the face and scalp: with direct action, these ingredients provide exfoliating, anti-inflammatory, antioxidant effect.

It is revealed that the wide prevalence and constant growth of morbidity determines different approaches to treatment, the main purpose of which is to achieve a long-term positive result.