

DEVELOPMENT OF THE COMPOSITION OF A HERBAL MEDICINE FOR THE TREATMENT OF ACNE

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The development of herbal medicine for the treatment of dermatological diseases of the skin is an important area of research in medicine and pharmacy. Herbal medicine can be used to treat various dermatological diseases such as eczema, psoriasis, dermatitis, acne, and others.

The aim of this study is to develop the composition of a herbal remedy in the form of a cream for the treatment of acne.

Methods of the research: general scientific (analysis and structuring of scientific literature data).

Research results. Based on the conducted literature review, the main active components were established, which are promising for the creation of a new drug for acne treatment.

Bakuchiol is a natural plant-based ingredient that has been gaining popularity as a potential alternative to retinol. There have been a few studies that suggest that bakuchiol may be useful in the treatment of acne. For example, a study published in the Journal of Drugs in Dermatology found that a topical formulation containing bakuchiol was effective in reducing both inflammatory and non-inflammatory acne lesions. Bakuchiol is generally considered to be well-tolerated and may offer similar benefits to retinoids without the potential side effects.

In the composition of the developed product for the treatment of acne, two oils were selected that exhibit certain pharmacological characteristics and have a comedogenicity level of 0.

Rosehip oil (*Rosae oleum*) is an oil obtained from rosehip seeds by extraction with an organic solvent. Rosehip oil has a dermatoprotective effect due to the content of unsaturated fatty acids, which accelerates the repair of keratinocytes, reducing the recovery time of the skin.

Argan oil (*Oleum Arganiae*) is a golden to deep red oily liquid that smells of spices and nuts. Argan oil is obtained by cold pressing followed from prickly argan tree (*Argania spinosa*). Argan oil contains a large amount of: tocopherol acetate, carotene, squalene, mono- and polyunsaturated fatty acids - Omega-3, Omega-6, Omega-9 and other essential acids, natural antioxidants

Conclusions. As a result of the analysis, the main active components were established, which are promising for the creation of a new drug for acne treatment: bakuchiol, rosehip oil, argan oil.