

## **ABOUT NECESSITY OF EXPANDING THE RANGE OF OINTMENTS FOR THE TREATMENT OF DERMATITIS WITH FUNGAL INFECTION**

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At present the problem of treatment of allergic skin diseases is of particular relevance in connection with the growing number of patients and an increase in the prevalence of severe and occurring resistant to treatment of dermatitis.

Dermatitis is a group of inflammatory and allergic diseases that can affect the scalp, smooth skin of the body, nails, and soles of the feet, groin and face. This is the most common human pathology that occurs at any age and in almost all countries.

Quite often, today there are allergic dermatitis complicated by a secondary fungal infection. The main agents of this form of the disease are different types of Trichophyton, Microsporum, and several species of Epidermophyton, united under the common name of dermatophytes. Also, there are skin lesions by fungi of the genus Candida.

Parasites multiply in the skin and its appendages. This disease is characterized by itching; often large bright red, scaly plaques clearly limited less than 5 cm in diameter, located singly or in groups.

Today in Ukraine there are a variety of drugs with anti-allergic and with anti-fungal action, but the range of medicines with combined pharmaceutical action is limited only by one name - ointment "Fladeks".

Treatment of allergic dermatitis complicated by a secondary fungal infection usually begins with the use of local drugs, namely, ointments, creams, solutions. Soft medicines provide the elimination of inflammatory and allergic processes, eliminate or reduce the symptoms of the disease. Drugs in the form of ointments have fewer side effects and act directly on the affected skin.

Thus, the aim of our future work is to develop an anti-allergic and anti-fungal ointment with such components:

- Licorice extract - natural phytoestrogen, which has an antimicrobial effect, but also in its composition contains glycyrrhizin acid that has anti-allergic properties. Its content also provides a skin-soothing effect.
  - Terbinafine hydrochloride - allylamine antifungal agent whose mechanism of action is associated with inhibition of production of ergosterol.
  - Lavender essential oil, which has antiseptic and antibacterial properties.
- In addition, promotes active wound healing effect.