

JUSTIFICATION OF THE COMPOSITION OF COMBINED DERMATOLOGICAL OINTMENTS

Platonova D. S., Azarenko Yu. M.

National University of Pharmacy, Kharkiv, Ukraine

platonova_dashka00@mail.ru

Introduction. The issue of treatment of skin diseases remains an important problem of modern medicine. Since the majority of pathogens fungal infections, infectious and parasitic skin diseases have sensitizing properties, they often cause the development of various secondary rashes or allergic transformation of certain clinical forms of skin infections in eczema. During the treatment process of skin diseases, there are frequently observed relapses, which are often accompanied by itching, as well as complications caused by secondary infection.

Aim. Before developing a new drug we analyzed the studying of needs of modern medical practices of local anti-inflammatory agents, antimicrobial and antiparasitic action.

In order to designate dermatological formulations containing antihistamines, anti-inflammatory, antiparasitic, drying, antimicrobial, and antibacterial, antifungal and hormonal drugs.

Materials and methods. According to it, the composition of a multicomponent ointment has been developed for the treatment of skin diseases (acne, rosacea, demodekoz) which contains: permethrin, metronidazole, zinc oxide, sulfur, salicylic acid, vitamins A and E, Suprastinum, vaseline and lanolin.

Results and discussion. As the dried ingredients ointments we offered to enter in its composition zinc oxide and salicylic acid. To extend the range of antimicrobial and antiinflammatory action of the ointment was introduced metronidazole. Also, composition of the ointment were included sulfur which has an antiparasitic effect, and permethrin - acaricidal formulation for topical application. Suprastin was introduced as a component of an antihistamine to suppress allergic reactions, which are quite often observed in the development of secondary infection.

Conclusions. An important characteristic of preparations for the local treatment are opportunities of vector which should be chemically and pharmacologically indifferent, must be compatible with the active ingredients sufficient to provide release of drug components from the dosage form. Taking into account the compatibility of the components of ointment and direction of action, as such a framework, we choose a mixture of vaseline and lanolin in a specific ratio.