



Ministry of Health of Ukraine
National University of Pharmacy
Department of Drugs Technology



IRYNA HERASYMOVA, TETYANA YARNYKH, ALINA AKOPYAN

REPORT ON THE TOPIC

THE RELEVANCE OF THE CREATION OF ANTIHISTAMINE MEDICINES FOR EXTERNAL USE

Relevance. The creation of highly effective antihistamine drugs is one of the most important tasks of medical and pharmaceutical science. Modern approaches to the treatment of allergic dermatoses involve the use of soft dosage forms, mainly glucocorticosteroids, which have rather serious side effects and require constant medical supervision.

Naturally, the need arose to obtain such antihistamines that, firstly, would have a high affinity for H₁ receptors, providing strong binding to receptors and a long-term therapeutic effect; secondly, they would have a high selective blockade of H₁ receptors without affecting the receptors of other physiological mediators, which would allow one to get rid of the side effects of H₁ antagonists of the 1st and 2nd generation: actions on the cardiovascular system, vision, gastrointestinal intestinal tract and central nervous system.

Fexofenadine is a 3-generation antihistamine with powerful anti-allergic activity and additional anti-inflammatory, anti-edema and antipruritic effects. The use of fexofenadine in medical practice has confirmed its safety profile, high therapeutic efficacy, the ability to significantly improve the quality of life of patients, but also has additional antiallergic properties.

Conclusions. Considering the small share of currently existing external dosage forms on the Ukrainian pharmaceutical market, as well as the absence of a soft dosage form of fexofenadine, the development of a new dermatological form with fexofenadine will expand both its pharmacological spectrum and the range of antihistamine ointments, which is undoubtedly an urgent task in the development of modern pharmaceutical market.