



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

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*report on the topic:*

### **1** *Relevance* **PROSPECTS FOR THE CREATION OF EXTEMPORANEOUS OINTMENT WITH UREA**

Urea-based medicines are used to moisturize and repair the skin of the face, body, hands and feet. The main task of the component is to maintain optimal moisture levels in the epidermis and body cells. The moisturizing and softening effect of urea is also used for certain skin diseases, such as eczema, psoriasis, diabetic dry skin, various neurodermatosis. Urea is interesting in that it changes physiological properties depending on concentration. At the concentration of 3 to 10 % in medicine, urea will act as an excellent natural moisturizer. Starting from a concentration of 10 %, a slight keratolytic effect can already be observed, which will increase with increasing the concentration. Medicines with a high concentration of urea of 15-20 % will be appropriate for the correction of severe keratoses of the feet. At a concentration of 20% to 35-40 % and higher, urea exhibits pronounced keratolytic properties.

### **2** *Conclusions*

An extemporal ointment with urea and vitamin A of keratolytic action for the treatment of corns was developed. Urea was introduced into the hydrophobic ointment base as an emulsion type and as a solution into hydrophilic base. The obtained samples were examined for organoleptic and physical-chemical indicators.