

IMPROVEMENT OF TECHNOLOGY OF EXTEMPORE SUSPENSIONS

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Introduction. The analysis of a pharmaceutical market of Ukraine showed that for treatment of dermatological diseases the prepared medications are widely used as ointments, creams, gels.

Among plenty of the prepared preparations found out by us only 3 facilities in form suspensions (Zinc Olive, Cindol, Maksideks), which are produced foreign producers. From our point of view for upgrading medical service of population expedient is the uses as ready so extemporal of medications.

Aim. As suspensions have higher bioavailability by comparison to ointments, consider after actual to recommend their use in therapy of dermatological diseases.

The analysis of composition of extempore suspensions showed a presence the row of difficulties in their technology.

Found out by us the laboured samples of writing of suspensions subject physical and chemical and to technological research with the purpose of improvement of their technology.

Materials and methods. By us it was collected and analysed extempore compounding from 8 pharmacies of Ukraine.

All samples of writing were classified after the types of medical forms. It is set that suspensions on water and non-aqueous solvents make swingeing majority among liquid extempore of medical forms.

Results and discussion. One of the laboured cases there is introduction of two-bit of hydrophobic matters in a suspension water-based. By us were the conducted researches in relation to possibility of previous formation of eutecticum mixture of these matters.

The conducted researches on the change of solvent set that offered technical receptions allow to get more stable suspension which guarantees homogeneity of dosage of medications.

Conclusion. For the high-quality providing of patients of extempore medications necessary are permanent researches in relation to perfection of composition and technology of different medical forms. Researches are conducted by us allow to recommend application of such technological receptions, as a receipt of eutecticum mixtures of hydrophobic matters and replacement of solvents on non-aqueous or mixed. Application of such technological receptions is instrumental in the increase of stability of suspensions and improvement of them biological availability.