

THE DEVELOPMENT OF THE SYRUP COMPOSITION WITH CHOLERETIC AND ANTHELMINTIC ACTION BASED ON HERBAL INGREDIENTS FOR PEDIATRIC USE.

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Introduction. Today the lack of medicines for children is one of the important problems of modern pharmacy. Among the arsenal of existing drugs on the Ukrainian market herbal products become increasingly popular, due to factors such as the small number of side effects, low toxicity, successful experience using many of them in traditional medicine, and so on. A significant proportion of compound herbal remedies constitute the herbal products, often presented in the form of syrups, teas and capsules. Currently, there is a "window" on market of herbal multicomponent pediatric medicines of domestic production that would combine the choleric and anti-inflammatory action, given that the disease of the gastrointestinal tract is one of the most common problems among children 3 to 12 years.

Aim. It is the development of a syrup combined with plant extracts for use in pediatric as choleric and anthelmintic remedy.

Materials and methods. The object of the study was inflorescences of tansy (*Tanacetum vulgare*) and fruits of rowan (*Sorbus aucuparia*) as raw materials for reception of extracts, fructose, sucrose, sorbitol, preservatives and flavoring agents of taste and smell. First, we conducted research on development methods of producing liquid extracts of tansy and rowan, providing optimal output extractives. Then we develop the rational drug composition as a syrup, and conducted tests of its taste properties and microbial stability.

Results and discussion. For extracts have been studied and selected the degree of grinding of raw materials – tansy inflorescences and fruits of rowan, concentration of the extractant – 70% ethanol, substantiated the extraction method – percolation. Multicomponent herbal medication consists of alcohol extracts of the aforementioned plant material dissolved in sugar syrup and combined with flavoring composition "Grapefruit". Microbiological stability of the product during storage is provided by the addition of sorbic acid, the amount of which is substantiated reduced by its presence in the composition of the extract of rowan.

Conclusions. We have proposed the composition of the multicomponent syrup for use in paediatrics as choleric and anthelmintic remedy. The presence of rowan extract in syrup also serves a dual function as the active ingredient and preservative of plant origin. The further step in our work is to study the basic indicators of the quality of the plant syrup proposed composition according to the requirements of the State Pharmacopoeia.