

It should be noted that antimicrobials play an important role in the treatment of rhinitis, since bacterial infections very often join in the phase of transition of rhinitis to the chronic form.

Aim. The aim of our work was the development of the composition of phytoointment for the treatment of rhinitis based on the extract of celandine – an antimicrobial agent and peppermint oil, a component that has an antiseptic and deodorizing effect.

Materials and methods. Using biopharmaceutical, microbiological and technological research methods, experimental ointment samples were studied. The degree of release of active substances was studied by the method of «diffusion into agar». The obtained data were confirmed with the help of microbiological studies, by comparing the level of antimicrobial activity of the drug in relation to rhinitis pathogens.

Results and discussion. The results of a comparative analysis of the degree of release of the active substances and the correlating data from the study of the antimicrobial activity of the experimental samples made it possible to determine the concentrations of the active and auxiliary substances in the composition of phytoointment.

Conclusions. The etiological factors and the clinical picture of rhinitis were analyzed. The chemical composition and pharmacological properties of biologically active substances of celandine and peppermint oil were investigated. Based on the conducted research the composition of extemporal ointment for the treatment of rhinitis was developed.

APPLICATION CORIANDRUM SATIVUM FOR HOMEOPATHIC MEDICINES PREPARATION

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Introduction. The Department of Pharmaceutical Technology of Drugs of NUPh closely cooperates with production pharmacies, including homeopathic ones. The department assists them in the development of regulatory documentation for the preparation and standardization of drugs in pharmaceutical conditions.

In their work, pharmacies and small enterprises of the homeopathic profile use raw materials of natural origin in the production of homeopathic drugs, as the raw material base for their manufacture, as a rule, is not limited. However, homeopathic pharmacies also encounter certain difficulties that are associated with the presence of a regulatory framework for the manufacture of medicines and their standardization.

Aim. The purpose of this work was to study the possibilities of using coriander in homeopathy, as well as the development of the composition and technology of homeopathic medicines based on it.

Materials and methods. The object of research in this work is coriander seed, an annual herb more commonly known as cilantro. In the course of the work the librarian, analytical, modern physicochemical, and pharmaco-technological methods of analysis were used, and the results were statistically processed.

Results and discussion. Analysis of domestic and foreign literature showed that coriander seed is used in traditional and folk medicine. The essential oil is obtained from the fruits of the plant. Coriander is part of soothing, anti-inflammatory and choleric species. Dry extract, which is used as a sedative and antihypertensive drugs, is obtained from the herb of coriander. Infusions and decoctions for internal and external use are also made from this plant. In the scientific literature the information on the use of coriander for the preparation of homeopathic medicines is very small. We have developed the composition and technology of matrix tincture based on coriander seed. Preparation of tinctures was based on maceration method, which is most appropriate for obtaining basic drugs in homeopathic pharmacies, in addition, this method is pharmacopoeial. Based on the matrix tincture various dilutions were made. Physicochemical studies of the obtained drugs are currently underway.

Conclusions: The data of literary sources on the use of coriander in traditional and folk medicine are studied and summarized. On the basis of the plant the composition and technology of basic homeopathic tincture, from which various dilutions are made, was developed. At this stage, the development of methods for their standardization is performed.