

## **SOME ASPECTS OF CREATION NEW NASAL GEL FOR TREATING OF ALLERGIC RHINITIS**

Medvedeva I.N., Rukhmakova O. A., Yarnykh T. G.  
The National University of Pharmacy, Kharkiv, Ukraine  
medvedeva\_inna12@mail.ru

Now the problem of the prevention and treatment of allergic diseases is considered as one of the most important aspects that directly affect the quality of patients' life.

The basis of allergic rhinitis is an inflammation of the nasal mucosa, which is based on the reaction caused by contact with allergens. Most often provoke allergic rhinitis: pollen, mites, yeast and molds, some food, home (portrait) dust, some drugs. Symptoms of the disease are presented by copious mucus - rhinorrhea, nasal congestion, watery eyes, frequent sneezing, and general poor health.

Modern range of drugs for the treatment of allergic rhinitis in the pharmaceutical market is represented by a number of different pharmaceutical groups. Thus, the vasoconstrictor sprays and drops reduce swelling of the mucous, and make it easy to restore nasal breathing. However, it is important to remember that these drugs relieve the symptoms but not the cause of the disease.

Representative of the antihistamine drugs group is combined medicine "Sanorin-Analergin", which consists of antazoline - selective blocker of H<sub>1</sub>-histamine receptors and naphazoline - with a strong vasoconstrictor action.

Homeopathy has been developing medicines to strengthen the body's defenses. The most frequently used representative of this group is "Sinupret" in different dosage forms.

But today more and more attention attract nasal gels. There are a number of advantages of this dosage form: fewer side effects, the presence of the dampening effect on the nasal mucosa, prolonged action.

One of the most commonly prescribed anti-allergic nasal gels is gel "Lorizan", but given its synthetic origin urgent task of pharmacy is to create a new domestic nasal gel based on natural compounds.

As active ingredients, we proposed to use dry licorice root extract and essential oils of eucalyptus and pine tree, which have strong anti-allergic, anti-microbial and anti-inflammatory properties.

Further aim of our work is to develop composition and technology of a new nasal gel based on natural raw materials for treating of allergic rhinitis.