

On the basis of the national import substitution programme and in order to expand the range of domestic medicines of this category, then analysis of literary sources was conducted in order to establish promising active pharmaceutical ingredients for the development of medicines for the treatment of acne.

The most promising raw material for the development of external dosage forms for the treatment of acne was established the essential oil of tea tree, essential oil of lavender, essential oil of grapefruit, essential oil of mint, essential oil of rosemary, oil solution of vitamin A and oil solution of vitamin E.

The proposed composition of active pharmaceutical ingredients was used to make an alginate mask. The obtained mask samples are homogeneous, of white colour with a specific odour. The organoleptic indicators of the obtained samples meet the requirements to this dosage form.

Conclusions. The analysis of the Ukrainian pharmaceutical market of medicines for the treatment of acne has shown that all currently registered drugs of this category are of synthetic origin and are mostly produced abroad(76.7 %). Conducted bibliosemantic analysis of literary sources allowed establishing a promising raw material for the further development of external dosage forms for the treatment of acne. The obtained samples of alginate mask on the basis of the proposed active pharmaceutical ingredients meet the requirements for this dosage form according to organoleptic parameters.

STUDY OF ASSORTMENT OF MEDICINES FOR TREATMENT OF RENAL SYSTEM DISEASES

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Introduction. The pathology of the kidneys is a major interdisciplinary problem that unites doctors of different specialties. Important is the issue of kidney damage in various diseases: diabetes mellitus, hypertension, and the like. Due to the proliferation of antibiotic resistance of pathogenic microbes, the number of patients with chronic inflammatory lesions of the genitourinary system with further renal insufficiency increases. In the general structure of renal system diseases, the proportion of urolithiasis, renal system disease in children and pregnant women increases.

Medicines for the treatment of renal system in Ukraine comes from foreign manufacturers: Spain, Russia, France. The manufacturers in Ukraine are the following companies: «Sperk-Ukraine» and «Monfarm» Ukraine. The main active ingredients of medicines are active pharmaceutical ingredients (API) of synthetic and plant origin.

Aim. Conducting an information retrieval and analysis of scientific literature data in a definite direction and on the basis of this development of the composition and technology of the medicinal extemporal medicines for the treatment of renal system disease.

Materials and methods. Study and analysis of scientific literature, analysis of «Compendium 2018», annotations to medicines, Internet source.

Results and discussion. Studies have shown that renal system diseases are used for: nephroprotection (renal cytoprotectors); medicinal substances that inhibition of the renin-angiotensin-aldosterone system (captopril, enalapril, lisinopril); antihypertensive (verapamil, diltiazem); medicines that normalization of lipid metabolism, with additional mechanisms of nephroprotective action (simvastatin, atorvastatin, lovastatin); hypouricemic inhibitors of uric acid synthesis (allopurinol); diuretics (loop – furosemide, osmotic – mannitol); total drugs on a natural basis from lespedeza bicolor and lespedeza capitata (lespenephriol, lespeflane), globe artichoke, begonias of reddish, ginkgo, ground elder, canadian goldenrod, restharrow, soy.

Conclusions. The nephroprotective effect is inherent in many API of plant origin. Perspective for the use in the extemporal formulation for the treatment of renal system disease is a combination of AFI of synthetic and plant origin. The list of the following plant raw materials: begonias of reddish, ginkgo, ground elder, Canadian butter-and-eggs, rest-harrow, soy is perspective in this connection.