

Actuality of amizon administration to the ointment with poplar extract

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Introduction. Despite the wide range of drugs for the treatment of purulent wounds inflammation, we conducted a search for combinations of active substances that could be active in all phases of the inflammatory process.

Use with inflammatory wounds lesions of soft medicinal forms, important today because they can create the necessary AFI concentration in the inflammation zone, eliminate systemic adverse events that often occur with oral and injectable routes of administration.

As we know from the literature data, combined soft dosage forms for the first phase of wound healing use should show antimicrobial, anti-inflammatory, analgetic activities and a maximum stimulating effect on the performance of non-specific resistance and immunoreactivity patient body. They must has a high osmotic activity, to provide technologically intensive outflow of fluid from the depth of wounds, necrotic tissue rejection and their removal from the wounds. Equally promising to be considered a development of complex ointments that combine in its composition antiseptic and component anti-inflammatory, immunomodulatory activity. To this aim, we used a Ukrainian NSAID - Amizon.

Aim. The purpose of research is studying Amizon as nonsteroidal anti-inflammatory and immunomodulating component for the technology and composition development of the ointment with poplar extract.

Materials and methods. Due to literary analysis, using agar diffusion method ointment components and their concentration were conducted.

Results and discussion. Introduction Amizon to ointment is important because it helps to stabilize the plasma membrane and lysosomal membranes, slows degranulation of basophilic granulocytes, exhibits antioxidant effect, normalizes the levels of prostaglandins, cyclic nucleotides, normalize metabolism and reduces vascular reactions, so reveals the anti-inflammatory effect. Amizon is low toxic substance with low toxicity the blood and absence of local irritating and mutagenic activities.

Conclusions. Conducted research allowed to argue that amizon in 2.5% concentration not shows negative impact on the antimicrobial properties of the components of the ointment.