

RESEARCH OF TOXIC PROPERTIES OF OINTMENTS BASED ON EXTRACTS OF SEEDS DAUCUS CAROTA

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Besides different investigations of pharmacological activity, new drugs are receiving increased requirements for their safety. So, research of acute toxicity and local irritant effect of the two samples of ointment made of seeds DAUCUS CAROTA became necessary stage of work.

Acute toxicity research of the two ointment samples which made of seeds DAUCUS CAROTA was conducted with the method of cutaneous application. Rats were used as experimental animals. On shaved area of the skin, larger than 50% of the total skin area, the ointment was applied at the rate 6 g / kg of body weight. During the two week observation after the rats signs of intoxication were not detected: animals were movable, active, food reflexes were normal, skin of all animals were normal, they did not lose weight. Results of toxicological research show us no toxic activity of the two ointment samples which made of seeds DAUCUS CAROTA using a single cutaneous application on rats. Local irritant effect of the two samples of ointment made of seeds DAUCUS CAROTA was investigated according to methodical recommendations. 1 drop of an aqueous solution of ointment was entered into the conjunctival sac of guinea pig eye. The other eye served as a control. Entering of the study drug (ointment) was one-off. Mucous membrane reaction was studied during the certain period of time: 15 min, 1 h, 24 h. Into account were taken the degree of congestion, edema, the amount of bleeding. Evaluation of damaging action was carried out with using the point system.

As a result of research of local irritant effect of ointment made of seeds DAUCUS CAROTA found that the entering of an aqueous solution of ointment in the amount of 1 drop in the conjunctival sac of guinea pig eyes did not cause visible changes of mucous membrane, which corresponds to 0 points. Animal's ophthalmic status was normal.