



Experimental Ground of Application of Extract from Saffron Inoculum under Heart Ischemia

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Abstract: According to studies the extract of saffron (*Crocus sativus* L) introduced per of prior to pituitary spasm, realizes anti-ischemic effect, levelling deviations in ECG indicators. In order to evaluate the mechanism of therapeutic action we studied the saffron's influence towards the intensity of lipid peroxydation, the condition of antioxidant system of the organism itself and the system of blood coagulation in rats during experimental cardiac ischemia. Our experimental data indicate that saffron delays the production of free radicals during ischemia increases the activity of antioxidant systems therefore presenting the destabilization of cell membrane of cardiomyocytes. At the same time saffron positively effects on blood coagulation of rats with experimental ischemia. So, the antioxidant functions are one of the most important components in realization of medical action of saffron in heart ischemic disorders, what prognoses the possibility of its application an effective medical preparation for prophylaxis and the treatment of CHD.

Key words: Saffron, spasm, anti-ischemic effect, ECG indicators, cardiomyocytes.

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