

CARDIOPROTECTION PROPERTY PREPARATION LATIRON IN MODEL CARDIOMYOPATHY

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One of the pathology of heart muscle is cardiomyopathy. The mechanism to form of the cardiomyopathy – activation free radical oxidation, therefore in the complex therapy to make use of antioxydants.

Investigation cardioprotective action of “Latiron” conducted in the model docsorubizine cardiomyopathy in the rats. The experimental rats will be separated into four groups by ten rats in each: 1-st group – intact control, 2-nd group – control pathology, 3-rd group animals with pathology treated with “Latiron” (40 mg/kg) , 4-th group – animals with pathology treated with preparation “Cverzetin” (5 mg/kg).

In the group of animals with control pathology changes peculiar for acute ischemic necrotic processes was of serious in myocardium. After in myocardium muscle development proliferation processes and fibrosis. At experimental animals after experiments registration of the ECG and biochemical index in the blood and homogenate myocardium muscle, what to confirm authentic increase coefficient mass heart on 37%, activation cytolysis in cardiomyocytes increase AsAT on 42% in serum.

In the ECG to mark decrease segment ST from isoline what to attest about ischemic myocardium.

Most express to brake peroxide oxygen lipids (POL) in myocardium descent under operation “Latiron” on 30%, “Cverzetin” on 28%.

At preamble investigation preparation noted increase action catalase in homogenate myocardium on 14 and 24% Cverzetine.

Analyses receive results to display, what preamble “Latiron” and “Cverzetine” recovery metabolic function myocardium in the middle on 10-14%.

Applicable “ Latiron” and “Cverzetine” increase survival animals in the middle on 50%, and mortality 10%.

“Latiron” to manifest moderate cardiothrophy action on the model docsorubizine cardiomyopathy.