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The influence of the collection of plant material on the physical endurance and recovery processes in mice in the experiment re-diving

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Abstract

The influence of natural polyphenolic compounds included in a new combination of herbal medical product on the physical endurance of mice in the test of the re-swim was studied. It has been found that the course application of aqueous extract of herbal medical product combination in the experimental group of mice did not affect on the duration of the primary swim, but increased to 1.7 times the length of re-swimming compared with the same parameter in the control group ($p < 0.001$). This result demonstrates the positive effect of proposed combination herbal medical product on recover processes after physical activity (actoprotective action). It is assumed that actoprotective action of combination herbal medical product due to antioxidant properties of biologically active substances in its composition.