

THE INFLUENCE OF TROMBOVAZIM ON CHANGES OF LIVER STRUCTURE AND FUNCTIONS OF PHAGOCYtic CELLS IN DECOMPRESSION PERIOD OF EXPERIMENTAL CRUSH SYNDROME

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The results of studies on liver structural changes and functions of phagocytic cells of Wistar rats in decompression period of Crush syndrome (CS) and their correction with trombovazim have been presented in the article. It has been revealed that the structural failure of rats' liver in decompression period of CS caused by the development of thrombosis in blood vessels and changes of functional condition of phagocytosed cells. The results testify to the effectiveness of the therapeutic effect of trombovazim in CS due to its fibrinolytic and antithrombotic actions as well as its ability to modulate oxidative-metabolic and phagocytic functions of blood leukocytes and Kupffer cells. It has been found that the trombovazim introduction prevents the development of liver structural disorders by improving hepatic hemodynamics and changing functional properties of phagocytic cells. The pathogenesis of CS and mechanisms of trombovazim therapeutic effect have been discussed.

Key words: phagocytosis, oxygen active metabolites, Crush syndrome, hemostasis, liver, trombovazim.

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