

# IN VITRO INFLUENCE OF DEXAMETHASON ON FUNCTIONAL ACTIVITY OF THE IMMUNOCOMPETENT CELLS IN PATIENTS WITH LUNG TUBERCULOSIS

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## *Summary*

The results of the in vitro studies of the influence of dexamethason on apoptotic and proliferative activity of lymphocytes and their ration, and the intensity of the neutrophilic granulocytes apoptosis in 34 patients with lung tuberculosis are presented. Different sensitivity of immunocompetent cells to the action of glucocorticoids in vitro has been determined. In most patients dexamethason reduced in vitro the intensity of apoptosis and suppressed proliferative activity of lymphocytes, substantially violating proportion of these processes. The in vitro influence of dexamethason on the intensity of apoptosis of neutrophilic granulocytes had different directions and did not depend on the initial level of the apoptotic activity of the cells.