

APOPTOSIS OF NEUTROPHILIC GRANULOCYTES IN LUNG TUBERCULOSIS PATIENTS

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Summary

The data of blood neutrophilic granulocytes apoptosis intensity study, conducted in 21 newly diagnosed lung tuberculosis during the course of treatment (considering clinical course peculiarities and functional condition of phagocytes), have been presented. At the beginning of treatment spontaneous apoptosis intensity had the trend to increase. Under specific stimulation the apoptosis increased. There was revealed a correlation between apoptosis intensity and the variant of disease, the presence of destruction cavity and bacilli excretion. There was also an interrelation between functional and apoptosis activity of neutrophils. Augmented apoptosis level at the beginning of treatment served as prognostic criterion of unfavorable course of the disease.