

FUNCTIONAL ACTIVITY AND APOPTOSIS OF PERIPHERAL BLOOD NEUTROPHILS IN PATIENTS WITH CHRONIC NON-SPECIFIC LUNG DISEASES

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Summary

Functional state of neutrophils of peripheral blood was studied in 42 patients with chronic non-specific lung diseases. It is found that in most patients besides the decreased absorption ability of neutrophils the higher level of apoptosis of these cells was observed. This could additionally deteriorate functional activity of neutrophils. In blood of patients with a duration of the disease of less than three years the highest level of apoptosis was found. In tests in vitro the normalizing influence of glucocorticosteroids on intensity of neutrophils apoptosis was established in patients with chronic non-specific lung diseases. It was concluded that further study the apoptosis level of neutrophils and influence of drugs on its intensity would be essential.