

LIPIDS PEROXIDATION PROCESSES AND SUPEROXIDDISMUTASE ACTIVITY IN PATIENTS WITH CHRONIC OBSTRUCTIVE PULMONARY DISEASE AND SECONDARY IMMUNE DEFICIENCY

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Summary

The study among 149 patients with chronic obstructive pulmonary disease (COPD) revealed a significant disturbances in oxidation-antioxidation balance. The severity of these changes depended on the manifestations of secondary immune deficiency. The patients of the 1st group demonstrated compensative potential of the antioxidant defense system, particularly superoxid-dismutase, over elevated activity of lipids peroxidation processes. Intensification of the initial stages of lipoperoxidation on the background of normal levels of malone dialdehyd and low activity of superoxid-dismutase was found in COPD patients of the 2nd group. In 3rd group of patients the intensity of secondary product of lipids peroxidation (malone dialdehyd) accumulation was more significant.