

PULMONARY SURFACTANT IMPAIRMENT AS A CAUSE OF PATHOLOGICAL PROCESSES IN LUNGS

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Summary

There have been studied and evaluated the surface-active properties of lung surfactant under the influence of environmental factors in healthy people and pulmonary tuberculosis patients. The surface activity of surfactant was measured in exhaled air using Du-Nui method. It was determined that surfactant surface activity was inconstant and depended on body position. A smoking and low doses of radiation depress surface activity of surfactant, especially in right lung due to right principal bronchus anatomy. A lung surfactant properties depended upon clinical form of tuberculosis, location, extent and phase of pathological process.