

# PECULIARITIES OF BRONCHOALVEOLAR LAVAGE CELL COUNT UNDER THE INFLUENCE OF SMALL DOSES OF IONIZING RADIATION

***V. A. Sushko, L. I. Shvayko, I. V. Abramenko,  
A. S. Rjazska, E. N. Stadniychuk***

## *Summary*

The qualitative and quantitative characteristics of bronchoalveolar lavage (BAL) fluid morphological cell count in workers, involved in SSE ChNPP Shelter construction, were evaluated depending of absorbed radiation doses. The BAL fluid cell count was examined in 218 men, who were registered at State Institute "Research centre for radiation medicine". It was established the correlation between increasing number of macrophages with high coloration, decreasing number of neutrophils and irradiation dose. At early stages of influence of ionizing radiation on lung (probably, mainly inhalation exposure) an activation of phagocyte link (aimed on elimination of inhaled particles) was observed.