

SENSITIVITY TO GENOTOXIC EFFECTS OF BLEOMYCIN OF BLOOD LYMPHOCYTES OF PEOPLE RESIDING IN VILLAGES OF CHNPP EXCLUSION ZONE

T. V. Tsyganok

On purpose of comparative determination of cell repair system activity of people residing without permission in the villages of ChNPP exclusion zone and of Yahotyn district, Kiev region (control group) the chromosome sensitivity of peripheral blood lymphocytes to genotoxic effect of bleomycin in vitro was studied. Chromatid break frequency per cell was a criterium for the estimation. It was found a significantly higher sensitivity to bleomycin in ChNPP exclusion zone self-settlers' group due to cell reaction of people younger than 60. For the elderly people there was revealed no significant difference.