

BIOPHYSICAL INDICATORS OF THE BLOOD RHEOLOGICAL PROPERTIES OF PATIENTS WITH BRONCHIAL ASTHMA

L.M. Kuryk

Summary. *The studies were first carried out the measurement and analysis of biophysical indicators of blood rheology in patients with bronchial asthma during standard treatment. It was shown, that these parameters in patients with asthma, lose their stability over time, depending on the phase of the disease. Was found, that exacerbation of disease is deterioration of the deformation ability and osmotic resistance of red blood cells due to growth and falling membranous potential and the charge of the erythrocyte membrane, that leads to the formation of a considerable number of functionally inactive «stomatocytes», who are unable to fulfil its role as a normal erythrocyte, and this in its causes a great enhancement of hypoxic processes of blood. In the future, it is necessary to improve the way of treatment for asthma in the light of the results to improve the quality of life for this group of patients.*

Key words: *asthma, membrane of erythrocytes.*