Immunocytochemical study of interleukin 1β in gingival epithelial cells in chronic generalized periodontitis

A.I. Parfionov¹, Ya.Ya. Mazurova², Iu.A. Grukhin¹, V.Iu. Kravtsov¹

¹ The Russian Center of Emergency and Radiation Medicine, St. Petersburg;
² Territorial Medical Association № 54, St. Petersburg

Immunocytochemical study of interleukin 1β was performed in exfoliates from the surface of gingival sulcus in patients with chronic generalized periodontitis and in patients with healthy periodontium. IL-1β was found only in epithelial cells. According to the results of immunocytochemical study, IL-1β in the gingival sulcus epithelium of patients with chronic generalized periodontitis exceeded the level in the control group up to ten times. (Cytokines and Inflammation. 2012. Vol. 11. № 1. P. 101–104.)

Key words: chronic generalized periodontitis, IL-1beta, immunocytochemical method.