

The immune status of the military (Biomedical and administrative aspects)

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Abstract

© 2016, International Journal of Pharmacy and Technology. All rights reserved. Introduction. The soldiers - a special category of employed persons who are subject to strict professional selection, planning and screened systematically sent to the preventive treatment and get prompt medical attention. On the other hand, the military experience significant physical and emotional stress, are exposed to a complex environment factors maximal expression - extreme weather conditions, high chemical load, background radiation, etc. Materials and methods. We analyzed the results of the analysis of peripheral blood from 72 healthy male military personnel aged 36 ± 2.7 years. Determined the total number of erythrocytes, hemoglobin, platelet count, leukocyte terms leukocyte formula, erythrocyte sedimentation rate, as well as parameters characterizing the immune status of: the number of lymphocytes, of which - T lymphocytes, CD4 + - T-lymphocyte helper cells, CD8 + - T suppressor lymphocytes, immunoregulatory index is calculated; B-lymphocytes, serum immunoglobulins A, G, M; the number of circulating immune complexes; picked phagocytic activity of neutrophils. Results of the study. In this paper, we highlighted features of peripheral blood and immune status of persons in the military. Noting the views expressed voltage active humoral immunity, which allows you to assign the survey group 2 step changes in the immune classification R.V. Petrov status. Discussion. Investigation of the features of tension links of immunity in different occupational groups, in particular military personnel, will improve the existing professional selection criteria to optimize the preclinical diagnosis of diseases, improve the efficiency of primary prevention hygiene.

Keywords

Deficiency in cellular and phagocytic immunity, Immunological status, Primary prevention, Soldiers