

[Specific cellular immune system and a human herpes virus infection in various forms of tubercular process.]

[Article in Russian]

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Tuberculosis (TB) is one of the most common infective diseases in history. In industrialized nations TB was well on its way to becoming extinct, however, TB rates started increasing again in the majority of developed countries today. There is a need to further understanding the role of a human herpes virus (HHV) in development and prognosis of TB. The goal of research was to study a condition of the specific immune system, frequency of activation of a HHV infection of 1 type and presence of infection HHV-2 at TB. The research show increased level of HHV-1 manifestation and HHV-2 presence in patients with different types of TB. It is revealed the statistically significant decrease of the CD4/CD8 ratio and percentage of CD3 +, CD4 + cells in patients with some types of TB and HHV in comparison with the group with activation HHV only. Obtained data show the independence of development of immune changes in TB process, activity of HHV infections, and from HHV antibody level. Moreover by the hierarchical cluster-analysis was shown similarities in the changes of the cellular immunity indices in majority of the TB types and HHV infection.

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