

IMMUNOLOGICAL FEATURES OF INFECTIOUS MONONUCLEOSIS OF EPSTEIN-BARR VIRAL ETIOLOGY IN CHILDREN

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Relevance. One of the urgent problems of modern medicine is the high incidence of herpesvirus infections. [1,5,2] The variety of clinical manifestations, the characteristics of pathogens, the possibility of their spread by all known ways allowed the WHO Regional Office for Europe to classify herpes infections as a group of diseases that determine the future of infectious pathology.[3,4,6] Herpes viruses are quite widespread in the human population, they can affect almost all organs and systems of the body, causing latent, acute, chronic and slow forms of infection.

The aim of the study was to study the immunological features of infectious mononucleosis Epstein-Barr virus etiology in children.

Materials and methods. A retrospective analysis of a hospital cohort of patients (146 sick children in total) with a diagnosis of Epstein-Barr virus infection was carried out, including 52 children diagnosed with Epstein-Barr virus infectious mononucleosis were included in this study, who were treated at the Results of the study and their discussion. The study of the content of IL-1 α , IL-1 β , IL-1Ra, IL-4, INF- γ was carried out in children of patients with Epstein-Barr viral infectious mononucleosis, acute bacterial tonsillitis, acute viral hepatitis "B" and relatively healthy children.) , IL- β (1.6 times) and INF- γ (4.3 times).

Conclusion. A comparative study of cytokines in clinically similar groups of patients requiring a differential diagnostic search revealed significant differences in the level of indicators. At the height of the disease in the blood serum of sick children with Epstein-Barr virus infectious mononucleosis, an increase in the content of pro-inflammatory cytokines IL-1 α (1.7 times), IL- β (1.6 times) and INF- γ (4.3 times) is characteristic. times).Specialized Clinical Infectious Diseases Hospital of the Bukhara region for the period 2019-2021.

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