



## EFFECT OF ISMIZHEN DRUG ON BODY IMMUNITY

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Acute respiratory viral infections (ARVI) are a group of diseases with predominantly affects the upper respiratory tract, which affects all layers population regardless of gender and age. The causative agents of ARVI include more than 200 types of respiratory viruses, including influenza viruses (types A, B, C), parainfluenza (4 type), adenoviruses (about 60 serotypes), rhinoviruses (more than 100 serotypes), coronaviruses (4 serotypes), respiratory syncytial viruses (2 serotypes), etc. By According to statistics, viral respiratory diseases are among the most common infectious diseases and are the most common pathology among children and adults. The modern approach to the prevention and treatment of ARVI is to use drugs that increase the body's defenses and help create a barrier on the route of entry of the virus. These drugs include interferons, inducers interferons and immunostimulants are agents of pathogenetic action. In contrast from specific chemotherapy drugs interferons, interferon inducers and immunostimulants exhibit a nonspecific effect in acute respiratory viral infections, which allows apply them against various types of respiratory viruses without accurate laboratory testing diagnostics and expands clinical capabilities. Immunostimulants are used not only in the complex therapy of ARVI, but also in as part of complex prevention along with specific immunization (vaccination). The action of immunostimulants is aimed at activating natural and correction of adaptive immunity and refers to methods of nonspecific protection population.

An example of a drug that has an immunostimulating effect is drug Ismizhen. This is an immunostimulant based on bacterial lysate, which increases the body's resistance to infections due to an increase in the amount plasma and secretory antibodies, activation of cellular and humoral factors nonspecific immunity. This leads to a reduction in the incidence and severity course of respiratory infections, there is no need to use antibiotics. Ismizhen has a dual mechanism of action. Firstly, it activates nonspecific resistance (rapid protection within 2–4 weeks from onset taking Ismizhen) due to membrane antigens that are part of the drug, by activating dendritic cells, neutrophils, macrophages and NK cells; induction phagocytosis and cell lysis by stimulating the adhesion of macrophages to bacteria. Due to its



immunostimulating effect, Ismizhen reduces the number and intensity of cases of ARVI in children, which are frequent and prolonged get sick, and also reduces the number of exacerbations of COPD per year and the severity of their course. Ismizhen is used to treat infections resistant to antibiotic therapy and complications of bacterial and viral infections. The drug is allowed to be used in combinations with other drugs (antibiotics and mucolytic means). Course of conservative therapy consisting of 5 sessions of washing the lacunae of the mygdaloids 10.0 ml 0.02% Rozchinu dekasana. In addition, quartz and ultraviolet were considered empty throat until 10 sessions per treatment course with exposure 1-5 minutes. The same illness was treated with tonsipret, 1 tablet. 3 times for the supply lasting 10 days. Laser tonsillotomy was performed with the same laser device, triviality with local anesthesia it was 15-20 minutes. There was no deterioration during the operation or in the postoperative period. Fifteen patients underwent laser tonsilotomy with further follow-up during the postoperative period of immunomodulatory mechanical bacterial lysate (Ismizhen), which is permitted for storage in Ukraine. The drug was administered sublingually, 1 tablet. 1 time per day until the end rozmoktuvannya. Course dose – 10 tablets. Group IV suffered from illnesses, and an initial tonsillectomy was performed using the conventional technique.

All ailments were recognized by a reliable otorhinolaryngological examination. In this case, the truth was revealed or the prevalence of scars, objective signs of illness, the severity of halal intoxication in the body.

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