

USE OF STEM CELLS PREPARATIONS FOR THE TREATMENT OF PATIENTS SUFFERING FROM MULTIPLE SCLEROSIS AND IMMUNOLOGICAL CONTROL OF TREATMENT EFFICIENCY

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The data are presented on the efficiency of treatment of patients suffering from multiple sclerosis with proteins purified from stem cells. The level of antibodies to encephalitogenic protein before and after treatment served an immunological control. It was shown that treatment with stem cells preparations was effective in patients with multiple sclerosis. 2-4 courses of stem cells preparations prevented the development of new neurological defects and resulted in subsequent restoration of motor, sensory and coordination functions. Remission of multiple sclerosis induced by stem cells preparations lasted for 1.5 years (up to the present time). Before the beginning of the treatment all the patients had high levels of antibodies to encephalitogenic protein, which decreased progressively during the treatment and reached its minimum after 2-4 courses. Thus the level of antibodies to encephalitogenic protein could serve a criterium of treatment efficiency.