Analytical synthetic activity is featured not only of the central nervous system, but also of the peripheral nervous system and even to individual cells in a primitive form. Therefore, in the corresponding exteroceptive devices of the skin, direct and reverse transmission of efferent impulses occurs, as a result which the optimal interrelation of the organism with the external environment is established. It was established by electrophysiological methods, that in response to the disease, the skin reacts by changing all its electrical features. It is also confirmed the value of the study of the electrical features of the skin to characterizing the condition of the organism on which electropuncture diagnostics method (The method of Nakatani) based on. This method allows to determine the functional condition of the body according to the characteristics of 24 biologically active points located on the hands and feet on both sides. Electropuncture diagnostics Method by Nakatani is a method characterized by non-invasiveness, accessibility and great informativeness. We examined 124 children with functional diseases (neuroses, MMD, VSD, migraines, etc.) and 40 children with organic CNS lesions/leptomeningitis, post-traumatic encephalopathy, epilepsy, etc.) and 30 healthy children (control group). The results of investigation showed that the average electrical conductivity in healthy children is 64.1±1.52, while in both groups of patients there’s a significant increase to 79.0±2.3 (P 0.005). There was an increase in electrical conductivity in the meridians of the liver, gall bladder, triple heater, thick and small intestine in functional damages, whereas in organic damages was an increase in electrostatic tension in the pericardial meridian with an asymmetry of indicators on the right and left sides of the trunk, more expressed on the right. Thus, one can consider the functional state of the organism by changing the bioenergetic features of the human body, differentiate functional and organic damages and the method of diagnostics can complete the existing various damages of the nervous system.

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