



Clinical-immunological assessment of therapy effect of the neuro-sensory-motor integration program of reflex patterns in airway chronic inflammatory diseases

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Airway chronic inflammatory diseases and recurrent exacerbations are mainly caused by damage of immune regulation mechanisms. Treatment of chronic inflammatory diseases of respiratory tract in children and adults was carried out by combining complimentary therapy using the method of neuro-sensory-motor reflex patterns integration (NRI), which works with primary motor system activation and conventional treatment; the parameters of the immune status and the cortisol level in children suffering from of a recurrent obstructive bronchitis are studied, as well as the assessment of therapy efficiency based on NRI method is done. It is established that combining the therapy using primary motor system/reflex integration with the conventional treatment allows correcting the immune system mechanisms' damage to a certain extent mainly to normalize the amount of T lymphocytes (CD3, CD4, CD8) and NK-cells, metabolic function of leukocytes, the level of regulatory and anti-inflammatory cytokines. The therapy based on neuro-sensory-motor reflex patterns integration (NRI) improves the effect of standard therapy on immune system cells and strengthens the polarization of immune response to Th-1 type. It decreases the frequency of airway viral inflammatory diseases, leads to positive dynamics of chronic respiratory diseases and prolongs their remission.

Keywords: Airway chronic inflammatory diseases, damage of immune regulation, neuro-sensory-motor reflex patterns integration, chronic respiratory diseases, remission

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