

**COMBINED APPLICATION OF ACUPUNCTUAL AND LASER
REFLEXOTHERAPY IN TREATMENT OF SOMATOFORM AUTONOMIC
DYSFUNCTION IN 7 TO 10 YEAR-OLD CHILDREN**

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The article focuses on examination and treatment of 7-10 year-old children suffering from somatoform autonomic dysfunction syndrome (SADS). We monitored ECG results, functional diagnostic tests (bicycle ergometry, orthostatic and clinostatic tests), estimation of vegetal status due to basic indexes of vegetal tonus and vegetal responsiveness in dynamic for treatment of 7 to 10 year-old children with somatoform autonomic dysfunction using the method of combined lazerreflexotherapy and BAK therapy.

The complex method of complex lazerreflexotherapy and BAK therapy is based on a combined implementation of lazerreflexotherapy and bioakustikal (BAK) regulation. Recent researches proved the vegetal correcting effect and stress-limiting effect of complex lazerreflexotherapy and BAK.

The objective of the clinical trial was to evaluate the impact of the complex lazerreflexotherapy on vegetal status (initial vegetative tonus, vegetative responsiveness) and bioakustikal (BAK) regulations effects of vegetative disorders (cardialgia, cardiac rhythm variability, etc.).

107 patients (children aged 7 to 10) suffering from somatoform autonomic dysfunction were enrolled in the trial. They were subdivided into three comparison groups. The control group (n=17) was treated using traditional (classic) medicine therapy. The first basic group (n=30) - received combined lazerreflexotherapy. The second basic group (n=30) received bioakustikal (BAK) therapy. The third basic group (n=30) received bioakustikal (BAK) therapy and combined lazerreflexotherapy. The investigation revealed more significant effect of combined reflexotherapy and BAK therapy on vegetative dysfunctions, vegetal tonus and vegetal responsiveness. This combined method proved to eliminate negative vegetative responses (including stress) normalizing cardiac rhythm (up to 75,8% improvement). third

Key words: somatoform autonomic dysfunction, autonomic nervous system, cardiology, children aged 7 to 10, combined lazerreflexotherapy, BAK therapy.

Earlier researches prove that 25-80% of children and teenagers suffer from **autonomic disturbances** in the form of somatoform syndrome dysfunction of involuntary nervous system SSDVNS. In accordance with ICD (Edition 10). This disease is classified as a *neuropsychic disease* and referred to G90.8, Paragraph *Other Nervous System Disorder*. Basically aetiopathogenesis of SSDVNS includes constitutional characteristics as well as psychophysiological and corticovisceral disorders. Sympathetic and parasympathetic vegetative nervous system is activated with the formation of compensatory strain of regulatory mechanisms (incl. homeostatic and homeoreologic) causing suprasedimentary nervous breakdown. And this is called segmentary autonomic disturbance. In case of emotional overstrain or stress, adaptation

and regulatory function (hypol and pituitarium system) are impaired resulting in formation of compensatory and non-substitutive reactions.

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