

The use of BRT in the complex treatment of children  
with organic lesion of the central nervous system  
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The medical center in Athens has many years of experience in the use of BRT in children:

- 1) with organic damage to the central nervous system: cerebral palsy, consequences of traumatic brain injury, consequences of neuroinfection;
- 2) with diseases of the peripheral nervous system: damage to the shoulder plexus, limb neuritis is possible;
- 3) with hereditary neuromuscular diseases: progressive muscular dystrophy, Charcot-Marie neural dystrophy;
- 4) with diseases of the musculoskeletal system: osteochondrodystrophy, congenital dislocations of the hip joints.

In the complex treatment of children, along with drug therapy, physiotherapy exercises, massage, hydrotherapy, acupuncture, bioresonance therapy (BRT) was used.

Over the past five years, 650 children with various forms of cerebral palsy (spastic diplegia; double hemiplegia; hemiparetic form; hyperkinetic form; cerebellar form) and varying degrees of severity of the disease, with deviations in the emotional-volitional sphere, with intellectual disabilities developmental and speech defect.

All children received 4-6 courses of treatment (an average of 12 sessions of therapy per course). All children treated with BRT showed significant improvement in physical and mental health. In children with spastic forms of cerebral palsy, muscle tone decreased, gait improved, and the range of motion in the joints of the extremities increased. With the hyperkinetic form of cerebral palsy, there was a decrease in hyperkinesia, improved coordination of movements and manipulative function of the hands. Children with cerebellar atonic-ataxic cerebral palsy also showed improved coordination of movements and manipulative function of the hands. It should be noted the general motor activation in all children who received BRT.

The best treatment results were observed in patients with speech disorders (dysarthria, salivation, speech underdevelopment), - the state of the articulatory apparatus improved, muscle spasticity, salivation decreased, the pronunciation of words and sentences improved.

An improvement in the emotional state of patients should be noted. Against the background of the therapy, the children became calmer, more benevolent, their cognitive activity increased.

Especially important when working with young patients is the absence of pain when using the BRT method, so children of different ages willingly agree to have procedures.

The experience of our medical center gives grounds to use the BRT method in the treatment of children with organic lesions of the central nervous system, since it has

significant advantages over other types of therapy.

In the treatment, we used private and general BR-drugs according to the method of Yu.V. Gotovsky.

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IMEDIS ", 2013, vol. 2 - C.251-253