

## MANIFESTATION OF VIOLATIONS FINE MOTOR SKILLS IN CHILDREN WITH CEREBRAL PALSY

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### **Main Part**

Recently, very often talk about the importance and necessity of the development of fine motor skills in children. Fine motor skills are especially important in children with cerebral palsy.

Many factors will depend on how fine motor skills of the hands are formed, such as the coordination of actions aimed at performing accurate small movements with the hands and fingers, which are necessary to dress, draw and write, as well as perform a large number of various household and educational activities; on the formation and development of the speech function of the child, in case of imperfection of these functions, the child may not socialize and adapt in society. Children with cerebral palsy have a number of features that characterize them; one of the features is a violation of the tone of the muscles of the hands, the presence of violent efforts, inaccuracy of hand movements and impaired limb formation [2]. Therefore, an important task for parents and teachers is the development of fine motor skills at an early and preschool age. What is fine motor skills and why is it so important in childhood and in particular for children with cerebral palsy?

The value of fine motor skills is very high. An important role in the success of the intellectual and psychophysical development of the child is played by the formed fine motor skills. The studies of M. M. Koltsova, L. V. Antakova - Fomina, scientists of the Institute of Physiology of Children and Adolescents of the API confirmed the connection between intellectual development and finger motor skills. Also significant studies on the development of fine motor skills belong to: A.V. Zaporozhets, I.M. Sechenov, M. Montessori, Z.P. Vasiltsova, F. Engels, L.A. Leontiev, I.P. Pavlov, A.R. Luria, M.I. Zvonareva, etc. A child with a high level of development of fine motor skills is able to reason logically, he has developed memory, thinking, attention, coordination, imagination, observation. Speech is directly related to the full development of fine motor movements, since the centers of the brain responsible for motor skills and speech are nearby. The development of fine motor skills is also important because the rest of the child's life will require the use of precise, coordinated movements of the hands and fingers.

Children have impaired coordination of fine, differentiated movements. The child cannot accurately grasp the object and place it in a given place. Studies have found that about 80% of

preschoolers with severe motor disabilities do not have personal hygiene and self-care skills. There are three main types of fine motor impairment:

1. Violation of the signal to perform the action,
2. signaling disorders,
3. Violation of signal transmission, such a deviation in motor development, is observed precisely in children with cerebral palsy.

I.N. Ivanitskaya believes that the term "cerebral palsy" combines a number of syndromes that have arisen in connection with brain damage and are manifested primarily by the inability to maintain a posture and perform voluntary movements. We can identify the main clinical symptom of cerebral palsy: impaired motor function associated with developmental delay and abnormal development of statokinetic reflexes, pathology of tone, paresis; for the second time during life, changes occur in the nerve and muscle fibers, joints, ligaments, cartilage. At the same time, the development of the child can be considered difficult and pathological, and it is also disturbed at each age stage. In children, one can notice the hands clenched into a fist, the thumb brought to the palm, the function of extension and spreading of the fingers of the hand is also weakened. All this interferes with the formation of various skills required for normal life, self-service, the implementation of object-playing, educational and labor activities. If these skills are not developed, the mental processes of the child will also be delayed .

Nancy R. Finney points out that the development of fine motor skills in children with cerebral palsy is not only slowed down, but may even stop at an early stage [3]. Games and exercises for the development of fine motor skills give us the opportunity to develop muscle and tactile sensations, broaden our horizons, and stimulate the development of creative imagination. Through a variety of games, the child receives a variety of sensory impressions, he develops attentiveness and the ability to concentrate. At preschool age, it is necessary to continue work on the development of fine motor skills and coordination of hand movements.

Classes for the development of fine motor skills of the hands are recommended to begin with the elements of self-massage of the hand and fingers. Let's pay attention to such an exercise as finger gymnastics. Finger games are a staging of any rhymed stories, poems, fairy tales with the help of fingers, and these are also various shadow games. The child repeats the movements of the fingers after the adult, thereby training or developing dexterity, the ability to control one's actions, and concentration. Equally important are exercises using various objects: picking up pyramids; work with manuals for fastening zippers, buttons; modeling; sand games.

**Conclusion .** In conclusion of this topic, we can say that the development of fine motor skills of hands in children with cerebral palsy is very important, especially in the preschool period and during the period of further socialization in society. To obtain positive dynamics, it is necessary to take into account the fact that classes on the formation of coordinated work of the fingers and hands should be held regularly. Classes can be held according to the principle from

simple to complex: it is necessary to think over the course of such a lesson, intensity, number of exercises and degree of difficulty. Learned finger games are planned depending on the individual characteristics of the children. In the process of classes, children master the technique of massage, memorize movements and words in finger games. Thus, the level of speech development of children increases.

### **Literature**

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