

disease; 2 being of I degree and one of II degree. 6 out of 20 patients had head trauma without loss of consciousness. The protective factors were: daily coffee intake (3-4 cups) found in one person, and tobacco use in the past, found in another 4 patients.

**Conclusions.** We observed a domination of causal factors in relation to protective factors.

**Key words:** Parkinson's disease, risk factors, protective factors

## **60. KINESIO TAPING AND MASSAGE THERAPY AS A METHOD OF REHABILITATION OF CHILDREN WITH CEREBRAL PALSY (CP) OUTSIDE OF THE HOSPITAL**

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**Introduction.** Among the causes of disability in children central nervous system pathology ranks first. The lesion of this system often leads to child CP. According to statistical data, 13238 children are suffering from CP in the Republic of Kazakhstan (as of January 1, 2015).

**Aim of the study.** Exploring modern methods of rehabilitation for children with CP.

**Materials and methods.** This research was designed as a randomized, controlled research. 30 children with unilateral spastic CP were included, and were equally divided between the Kinesio Taping (KT) group and the control group that received usual care. KT is an additional study to increase proprioceptive feedback and improve fitness, gross motor function, and activities of daily life in children with CP. The next study included 31 cerebral palsied children scored as of level III, IV or V according to gross motor functional classification system. Children were randomly separated into two study groups (KT and physiotherapy) and a control group (only physiotherapy) for 12 weeks.

**Results.** A total of 60 children with CP were randomly assigned to the treatment group and the control group equally. All were treated with rehabilitation training, but massage with SMKT was carried out additionally for those in the treatment group, five times every week and 3 months as a therapeutic course. All children showed significant improvement in GMFM-66 after treatment. Massage with SMKT manipulation shows a better effect compared to rehabilitation training therapy alone in treating spastic CP. We can use kinesio taping and massage therapy as a method of rehabilitation for children with CP out of the hospital, which is more convenient and cost effective for parents (guardians). Time of children with CP is limited in a hospital or rehabilitation center, and rehabilitation of children with this pathology requires a long time. It should be noted that the massage therapist's services are not always possible for parents because of the financial situation in different families. We have worked and analyzed studies of foreign scientists on the topic of children CP.

**Conclusions.** The result suggested that in clinical settings KT may be a beneficial treatment approach when combined with physiotherapy. We also came to the conclusion that the complex of KT and massage therapy is effective in the treatment of children suffering from CP. In addition, the use of these methods can prevent the harmful possible outcomes of CP.

**Key words:** rehabilitation, massage, kinesio taping

## **61. CURRENT ACHIEVEMENTS IN REPORTING BRAIN IMAGING IN ISCHEMIC STROKE: ZONES AND SCORE ASPECTS**

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