

## **Abstract**

**Title:** Rehabilitation of Child with Cerebral Palsy in the Preoperative and Postoperative Period

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**Objective:** During my practice I have met with a number of pediatric patients affected by cerebral palsy who underwent corrective orthopedic surgery, which in some cases were unfortunately unsuccessful. Based on the initial acquisition of information on this issue, I found a number of studies and articles on the success of orthopedic surgery in cerebral palsy. In many studies point out that the proper choice of physiotherapy has great benefit for orthopedic intervention, so I decide to map a connections orthopedic and physiotherapy approaches on the case and describe the elements of rehabilitation used in the treatment of selected patient.

In the first part of the thesis I process in detail neurological disorder cerebral palsy (CP) and surgical treatment of deformities resulting from the operation of this disease. The second part includes a case study that describes the rehabilitation work of the physiotherapist with a child patient who undergoes corrective surgery on the lower limb. The third section contains qualitative research, conducted on the parents. Using the survey was to determine the effect of parents' opinion and the whole course of therapy.

**The aim:** Demonstrate the importance of thoughtful, timely and long-term rehabilitative care following orthopedic surgery in children with cerebral palsy and evaluate the results of this care.

**Method:** Process a case study of a child patient with cerebral palsy, which was observed in the preoperative and postoperative treatment period. Evaluate the effect of the chosen therapy. To interview the parents and find out how to evaluate the success of therapy performed.

**Results:** During treatment, there was a significant improvement in the reporting boy. The effect of therapy was demonstrated by comparing the data collected from the preoperative and postoperative periods. Where the treatment pes equinus able to adjust the right lower limb and thereby improve the stability and gait. There was managed to increase the range of motion of the ankle and foot to engage their functions. This long-term case study is supplemented by interviews with parents. Which was evaluated surgical and rehabilitative treatment is very successful. And with the result of a year's work are very satisfied.

**Conclusion:** Our observation met targets. The results show that the chosen treatment was properly indicated and performed. Created a comprehensive example of a successful treatment, where I gained experience in future practice. Also because of this, I had the opportunity to work together with one family throughout the year and thus establish a closer relationship. In the future it would be interesting to see if the parents opt for hand surgery, which has so far been mentioned.

**Key words:** cerebral palsy (CP), orthopedic surgery, physiotherapy of children, pre-operative physiotherapy, post-operative physiotherapy