

## Abstract

**Title:** Speech fluency and motor system relations as the outcome of physiotherapy in comprehensive stuttering treatment

**Objectives:** The aim of this thesis is to summarize the accessible literary sources about functional and structural etiology of developmental dysfluency and its effects on motor system. The next aim of this paper is to research current position of physiotherapy in comprehensive stuttering therapy.

**Methods:** The thesis used literature research method, the specific criteria for the selection of literary sources were stated. The first part contains theoretical ground regarding general issues of dysfluency. The second, descriptive and analytical part contains several chapters describing many studies dealing with functional and organ cause of stuttering, features of stutter motor system of stutterers and the current state of physiotherapy in the issue of stuttering.

**Results:** The thesis points out the fundamental meaning of motor system, particularly motor planning in the ethiopathogenesis of stuttering. Certain variations in the structure and function of the CNS of stuttering people have been described. These deviations are specifically manifested on the motor system effectors. The research shows that physical therapy in the complex treatment of stuttering has no clearly defined role so far. But it constitutes the basis for hypotheses formation that could change this situation.

**Key words:** developmental dysfluency, stuttering, speech motor system, speech disorders physiotherapy