

ABSTRACT:

Title:

The impact of exercise at Vojta's movement activities in area of shoulder girdle in cerebral palsy diagnosis.

Objective: The aim of this study is to compare the quality of locomotion for handicapped individuals single stimulation musculoskeletal Vojta method of locomotion for this individual monthly periodic stimulation of this technique.

Method: Qualitative analysis of movement. Intraindividual qualitatively quantitative comparison locomotion. Surface polyelektomyografické monitoring of selected muscle groups with 2D kinematic analysis based on synchronized video.

Results: In comparison with a single therapeutic intervention occurred during prolonged regular therapy tested in both a more pronounced effect on locomotion shoulder girdle ontogenetically the desired motion stereotypes. The hypothesis was confirmed.

Keywords: axial body, spine differentiation, key joints, global movement patterns postural reactivity, fixes punctum, punctum mobile, ontogeny, differentiation crossover pattern