

Abstract

Title: Influence of race of horse and speed of it's walk on timing of muscles in hippotherapy

Purposes: The goal of study is to find out if race of horse and speed of it's walk approaches muscles timing in the reverse sitting position. We also pretend quadrupedal locomotion activation. That would substantiate hippotherapy with sitting-unable children.

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Methods: Surface Electromyography, physiotherapeutic screening

Results: Muscles timing was different with selected races as well as with different speed of walk. Quadrupedal locomotion was certified.

Keywords: hiporehabilitation, hippotherapy, reverse sitting, quadrupedal locomotion, race of a horse, surface electromyography