

ABSTRACT

Title: Effect of braces on the stereotype of the walk in patients with disorders of the peripheral nervous system.

Objective: The main objective of this work is to assess the improvement in walking patients with neurological disorders after application of braces that improve the stability and function of the weakened limbs.

Method: The work is processed mainly in the form of research. The work focuses on the theoretical part, which is written according to the used literature. In the theoretical part is the great attention paid to the individual stages of the walk, the anatomical structure of the lower limbs and neurological disorders of the peripheral nervous system. The practical part focuses on the status of patients after neurological damage and assessment of patients without the brace and walk with the orthosis and also the overall improvement in their walking exercise essential needed for daily needs.

Results: The results will improve, concerning individual patients after walking braces.

Keywords: neurological disorders, stands phase, controls swing phase, orthotics