



FUNCTIONAL POSSIBILITIES IN PATIENTS WITH DIABETIC POLYNEUROPATHY

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PURPOSE

To monitor the effect of a functional possibilities in patients with diabetic polyneuropathy.

MATERIAL AND METHODS

The study was conducted with 11 patients with diagnosed diabetic polyneuropathy have been examined (6 women and 5 men, average age 59.3 ± 6.6 years).

The functional research shows a decreased movement volume in the joints od the lower limbs and muscle weakness.

The patients have been selected by a few criteria, to have research equality. For the purposes of the study, a complex od functional tests is applied, the results evaluated from the 1-st, 10-th day, and 1-st month since the treatment started.

RESULTS

After applying the kinesitherapeutic methods, the highest improvement tendency in functional recovery has been noticed at the 1 months mark, with a significance level of $p < 0.001$.

CONCLUSION

Therapeutic exercises, continued later as a home exercise program, significantly improves the functional capabilities of patients with diabetic polyneuropathy, and the effectiveness of the application is expressed in an improvement in movement volume, an increase in endurance and muscle strength and pain reduction.

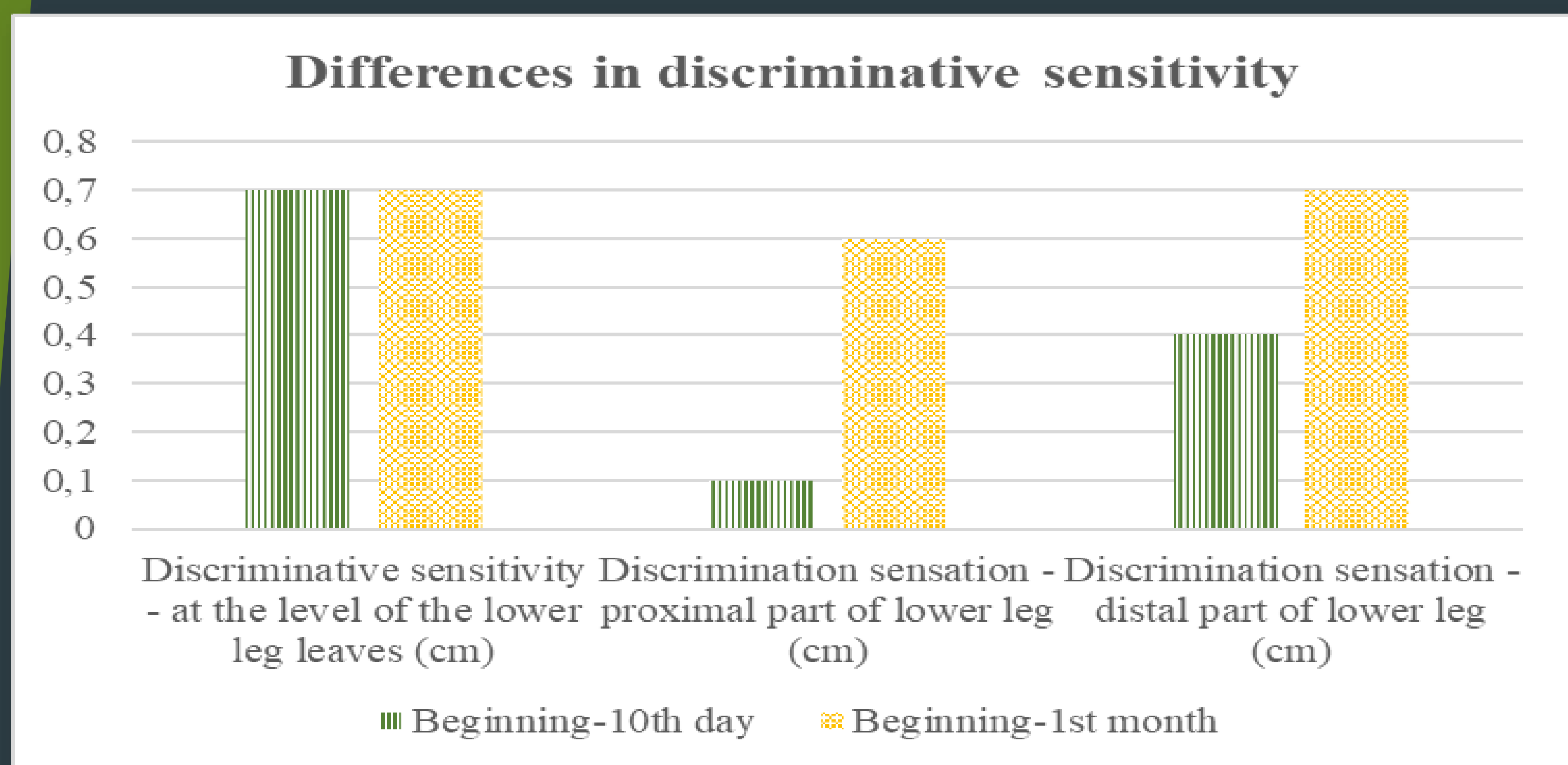


Fig. 1 Graphical representation of differences in changes in discriminative sensitivity

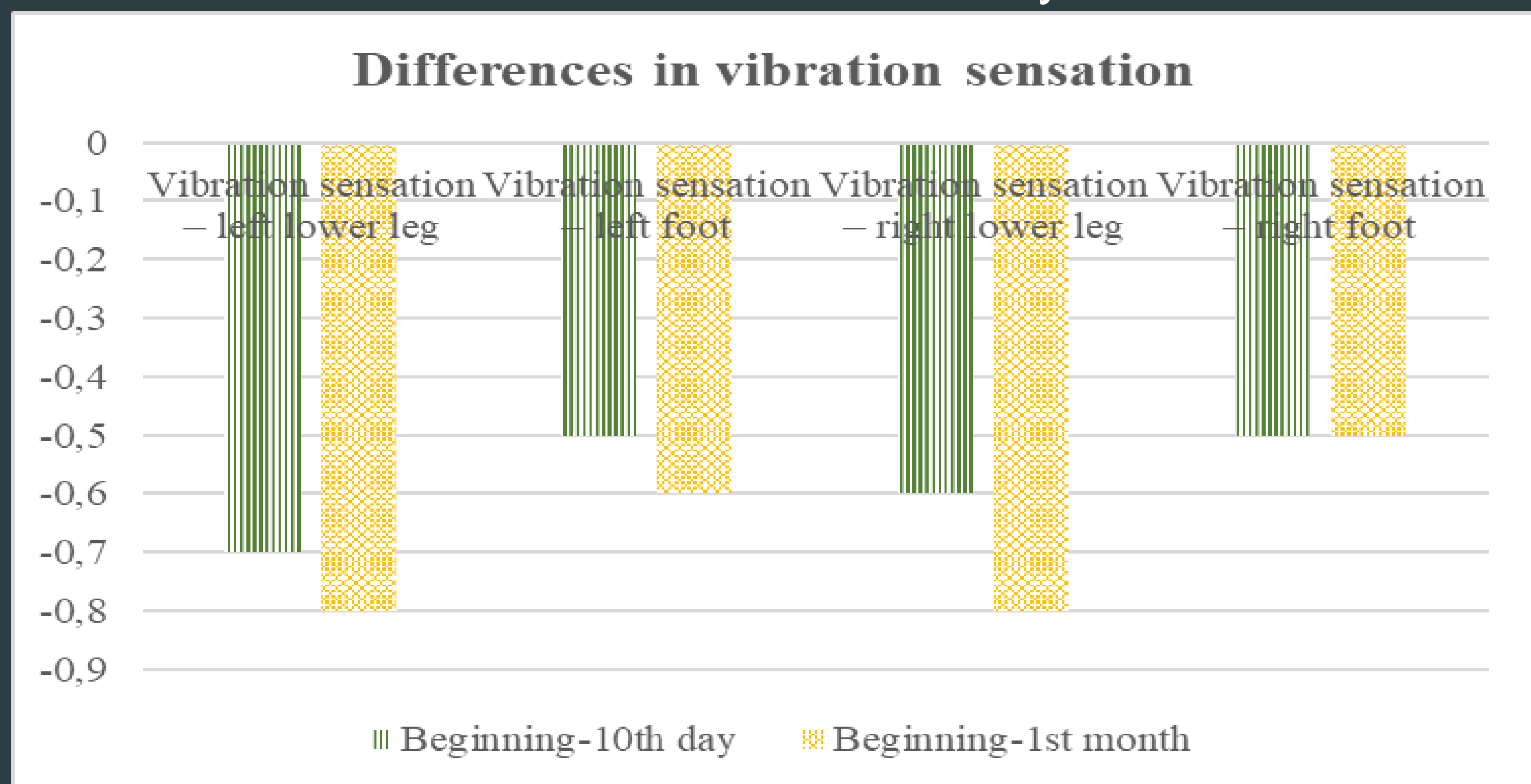


Fig. 2 Graphical representation of differences in changes in vibration sensation

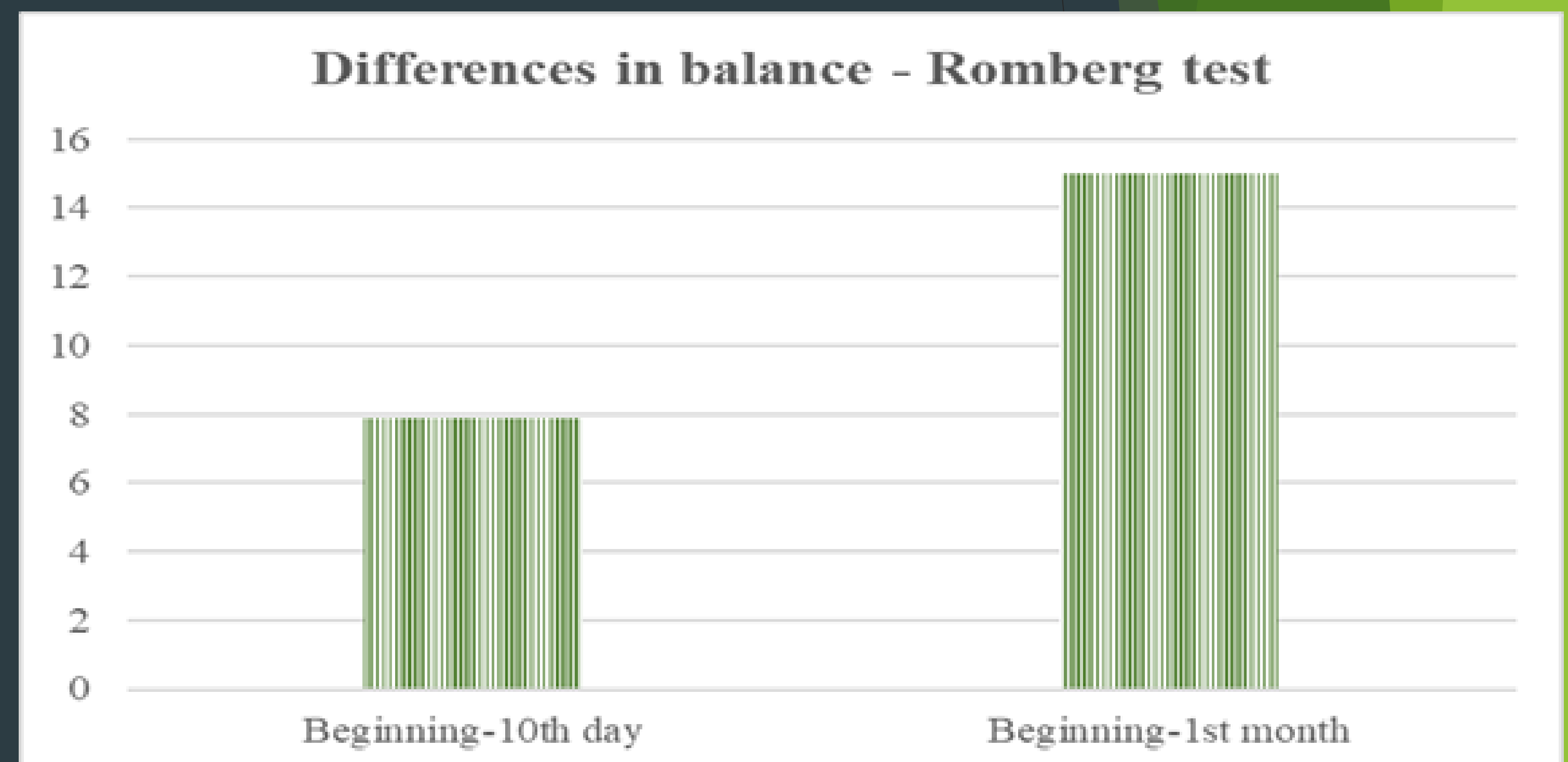


Fig. 3 Graphical representation of differences in changes in balance reactions

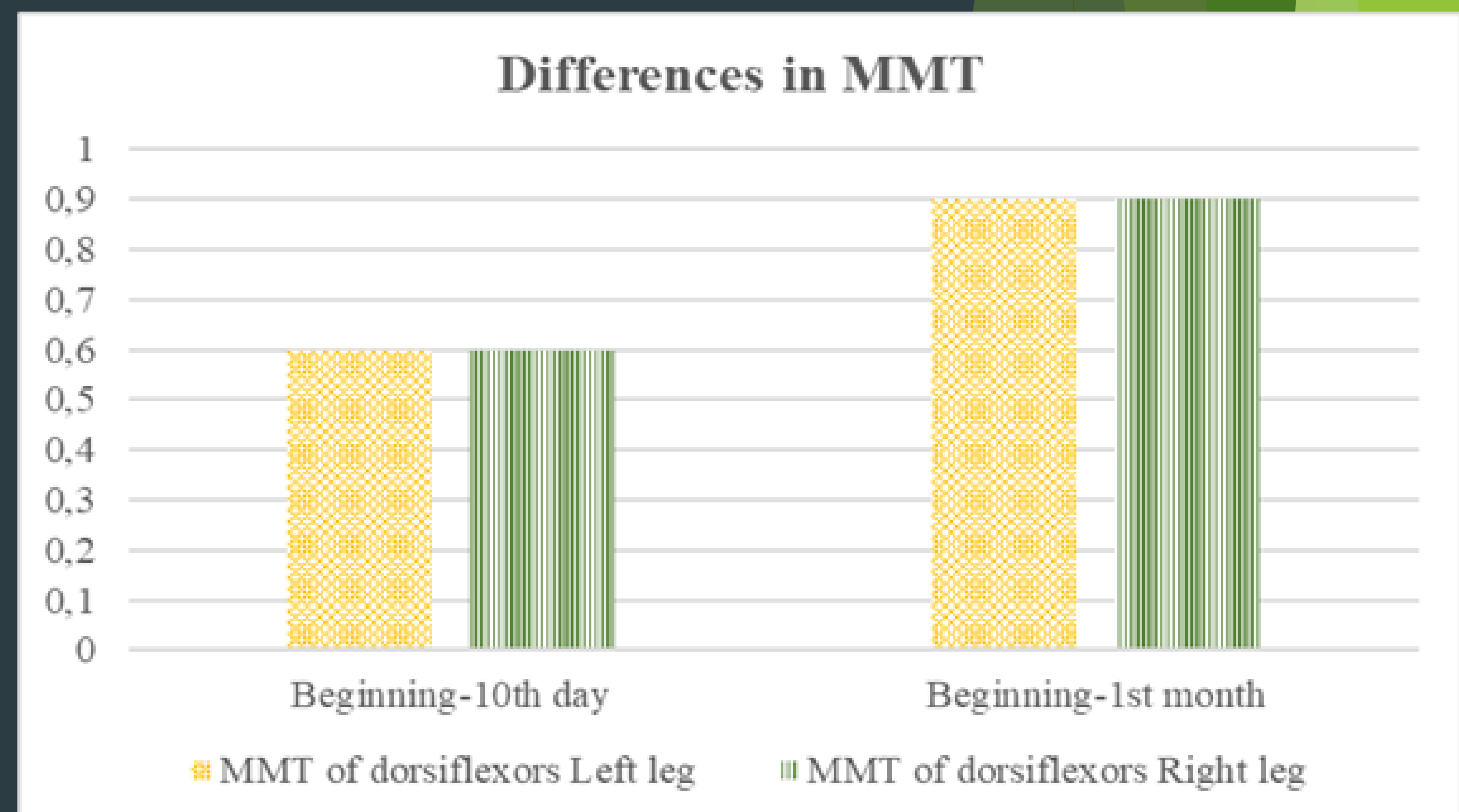


Fig. 4 Graphical representation of differences in changes in MMT grades

FUNCTIONAL CAPABILITIES

KINESITHERAPY

DIABETIC NEUROPATHY