



IMPACT OF DAILY ACTIVITIES IN PATIENTS WITH SUPRATENTORIAL UNILATERAL STROKE IN THE CHRONIC PERIOD

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BACKGROUND AND AIMS

Kinesitherapy is one of the main therapeutic approaches in the treatment of stroke. There is evidence of its positive effect on the motor capabilities of patients, which is important evidence of the effect of kinesitherapy on their independence and self-care.

The aim of the study is to trace the effects of specialized kinesitherapeutic methodology (SKTM) on activities of daily living in patients with supratentorial unilateral stroke in the chronic period (SUSChP).

METHODS

The study was conducted with 67 patients with SUSChP (56 patients included in the experimental group - 32 men and 24 women, with duration of the disease 7.8 ± 2.0 months, and 11 patients in the control group - 9 men and 2 women, with duration of the disease 7.3 ± 1.5 months).

To evaluate the changes is used Functional Independence Measure test – FIM and balance test - Berg Balance Scale. In the patients from the experimental group is applied treatment with a specialized 10-day KT, continued later as an adapted exercise program at home for a period of 1 month. Control patients are following a conventional 10-day KT. Spearmans correlation analysis was used to search a connection between changes in the different metrics.

RESULTS

The results obtained from the total FIM score correlated positively with the observed changes in the total score of functional indicators for balance reaction ($r = 0.85$ and $p < 0.01$), with a significant correlation between the change in indicators throughout the follow-up period.

CONCLUSIONS

There is a significant correlation between the total amount of Berg and FIM, which is related to the pronounced immediate and long-lasting effect of the approved methodology.

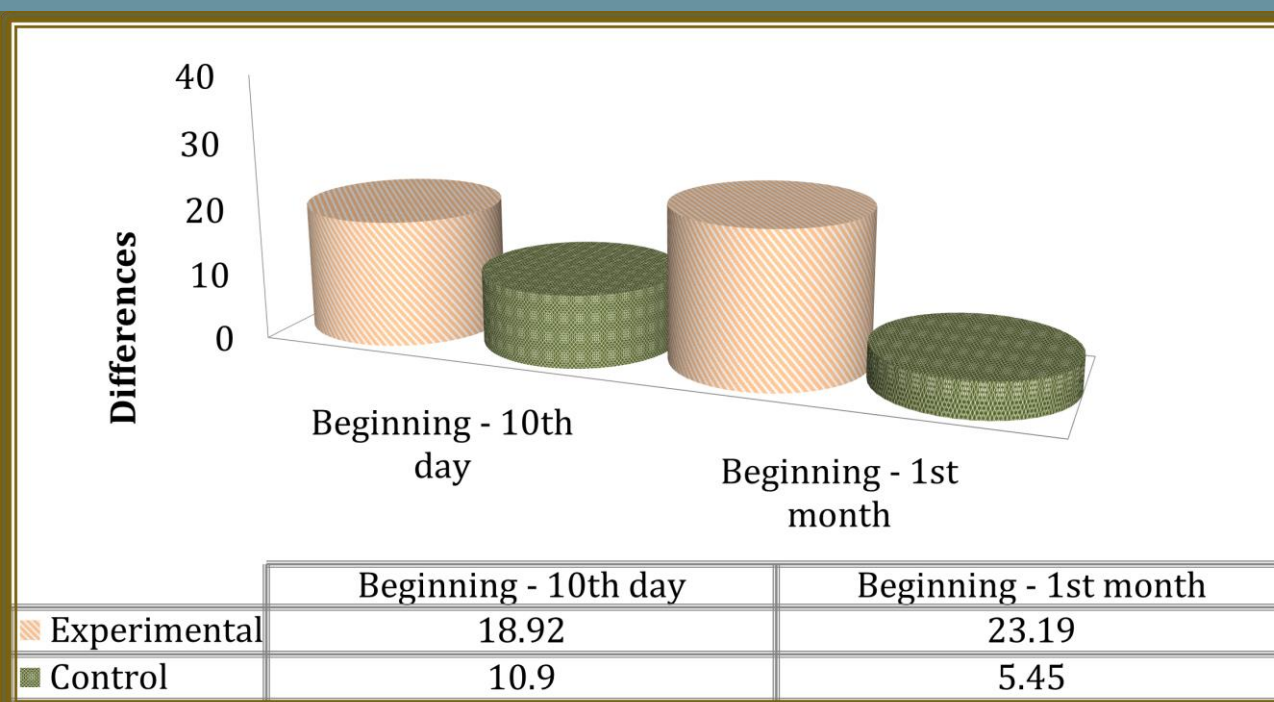


Fig. 1 Graphical representation of changes in FIM

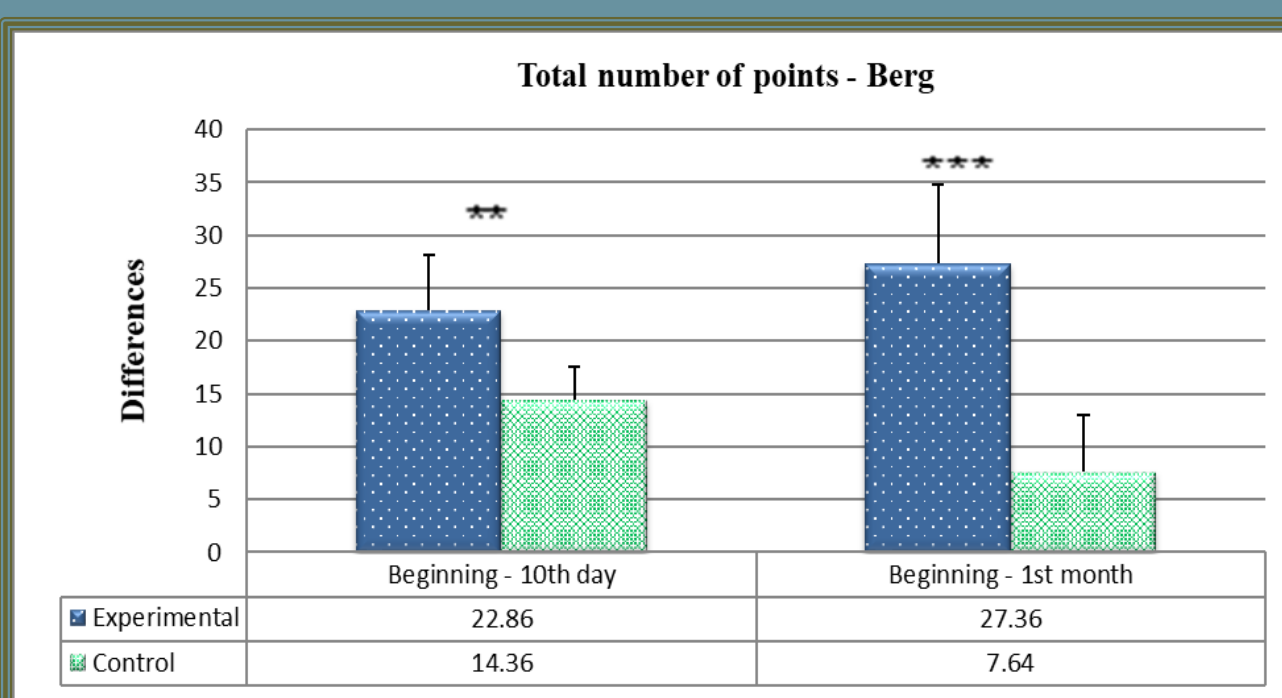


Fig. 2 Graphical representation of changes in BERG

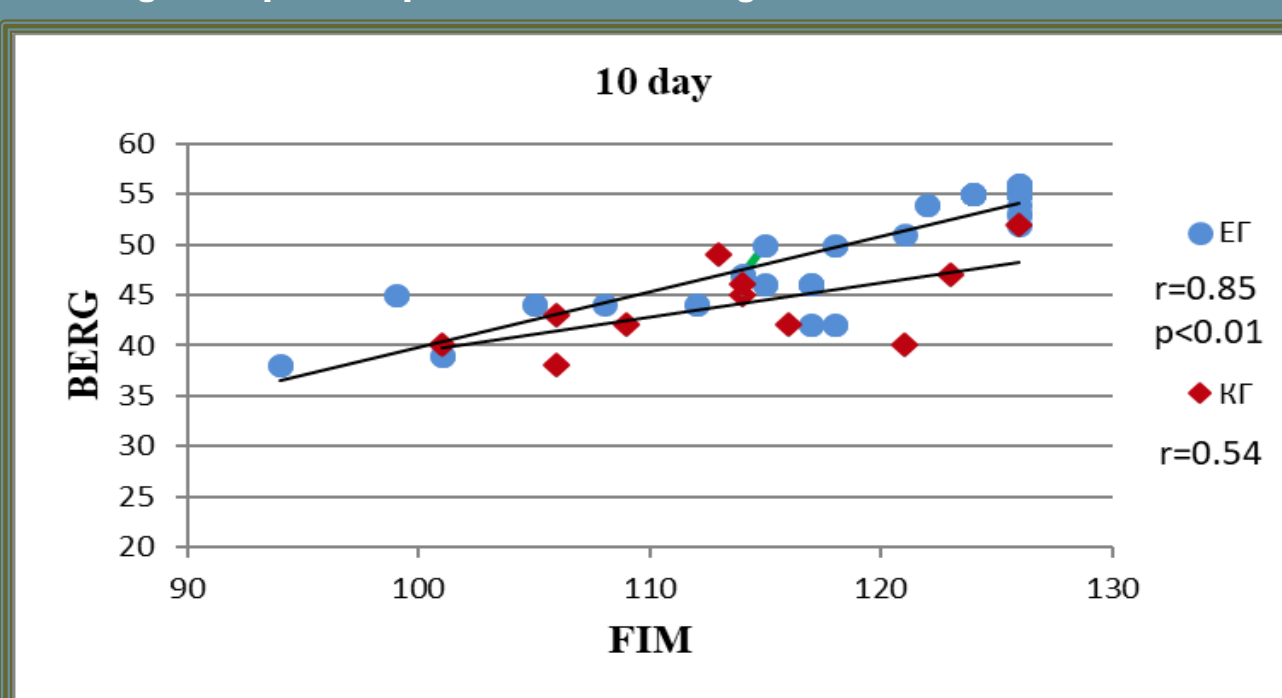


Fig. 3 Spearmans correlation analysis and connection between changes in FIM and BERG on 10th day

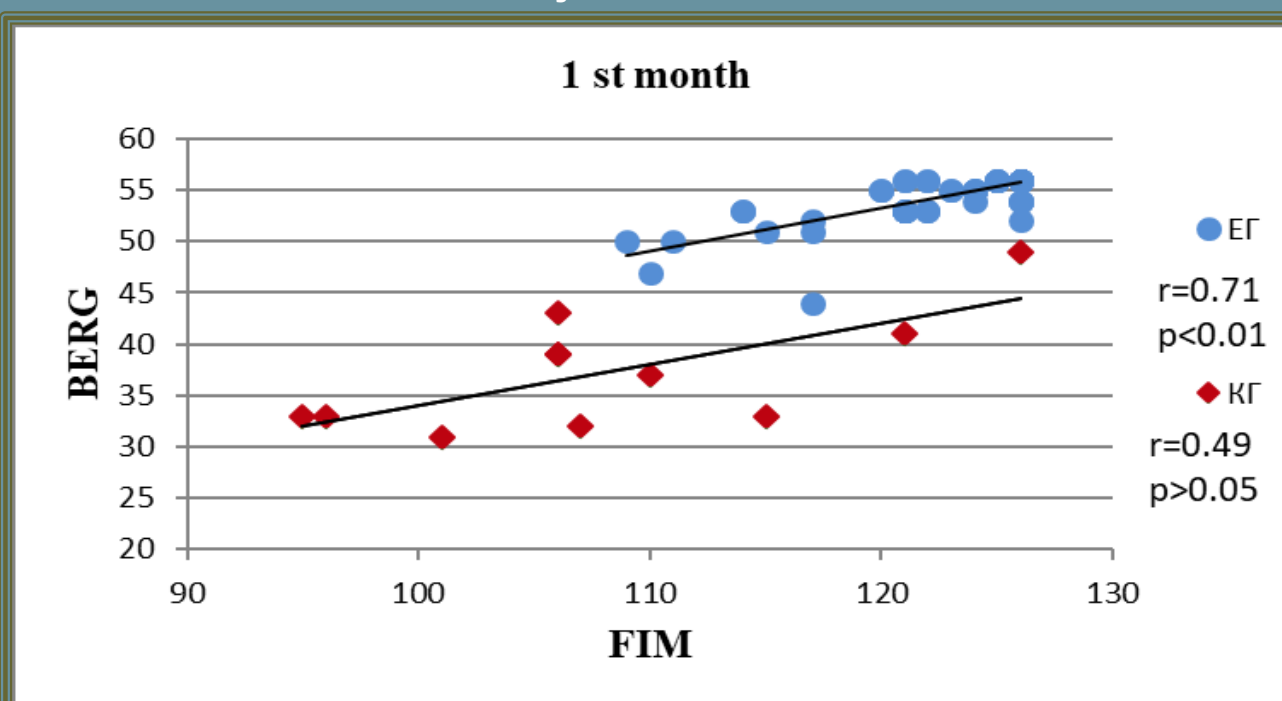


Fig. 4 Spearmans correlation analysis and connection between changes in FIM and BERG on 1st month