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## » Journal Abstract

Interferences in visuo-spatial sketch pad and kinesthetic span


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Purpose of the study: In this experiment, I wanted to examine further the effects of interferences, which might occur when we have occupied visuo-spatial sketch pad and we try to build motor representation in kinesthetic span. It also deals with further examination of kinesthetic span. Methods: three groups of participants had to store information in their phonological loop, visuo-spatial sketch pad, and in kinesthetic span. They had all three subsystems occupied differently, which could have showed relations between working memory stores. While storing information in their visuo-spatial span (showed on monitor), they had to learn (memorize) sequences of completely new movement. Results: Data obtained in the experiment, did not show any differences between groups, either in numbers of digits remembered, numbers of sequences of the movement. Conclusion: The lack of any differences between groups may suggest that kinesthetic subsystem and visuo-spatial sketch pad have their own stores for visual representation, or they are stored differently in each subsystem.

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