

The aim of the master thesis "Rehabilitation of cognitive functions in patients after brain injury" was to clarify these problems from a practical point of view. In the first chapter readers get acquainted with kinds of brain injury. The second chapter deals with cognitive functions and the third, most extensive, is dedicated to rehabilitation of patients after brain injury. The rehabilitation is conceived as a complex process involving care of patients in the biological, psychological, social and physical sphere.

The empirical part concentrates on training of attention. Patients after brain injury, who were involved in the study, were divided into two groups. Within three weeks one group practiced on computer (programme RehaCom) and the other attended occupational therapy. We investigated whether there are any differences in the influence of training of attention by means of computer programme or occupational therapy. In regard of a small sample (five patients in each group) and other conditions we came to the conclusion that the effect of training of attention appeared in neither group after three weeks.

The empirical part is completed with a questionnaire. We addressed the specialist who work with patients after brain injury and asked them what they thought about the training of attention by means of computer or occupational therapy. The results correspond, in a great deal, with what is stated in the theoretical part.

In the closure of the thesis we summarize results, to which we came, and mention possible factors which could influence these results.