

**Abstract:**

The main goal of this thesis was to design a computer program applicable in occupational therapy in cognitive rehabilitation. I designed a PC program focused on shopping practice. Its main advantages are: the absence of any charges, the possibility of using it on an ordinary PC and the accessibility via the Internet. The designed program, named Trénink nakupování (~Shopping training), had been implemented in a beta version. Afterwards, it was tested and evaluated with a questionnaire by five stroke patients. The results show that all patients evaluated the program very positively and they believe in its benefits for the rehabilitation. The theoretical part describes cognitive training and shopping from the perspective of an occupational therapist. Four PC training programs focused on shopping training are described. Other sections provide detailed information about the designed program. The practical part consists of testing, the evaluation of questionnaires and suggesting ways to improve the program in the future.

**Key words:**

cognitive rehabilitation, cognitive training, iADL, shopping, program design, computer-assisted training, PC program, brain injury