ABSTRAKT DIPLOMOVÉ PRÁCE

Jméno, příjmení: Bc. Šárka Altmanová

Vedoucí práce: PhDr. Kristýna Hoidekrová, Ph.D.

Title: Distance therapy and telerehabilitation in occupational therapy: contemporary use in patients after acquired brain injuries

Abstract:

Acquired brain injuries (ABI) are the most represented type of injuries in neurorehabilitation. In the Czech Republic, there is a shortage of outpatient occupational therapists. The involvement of telerehabilitation appears to be a possible solution to the lack of therapists. These methods are already being used with a good effect around the world. The aim of this thesis is to compare the possibilities of telerehabilitation against conventional occupational therapy in patients with ABI. A partial goal is to undertake a SWOT analysis of telerehabilitation and evaluate the communication platform eAmbulance.

There are four single case studies. The patients are aged between 27-81 years (two women and two men) with different severity of right-sided hemiparesis. These patients underwent interventions of 60 minutes per week for a period of four weeks. The content of each therapy was different. Patients filled in a feedback questionnaire following each intervention.

The results show that a large variation of approaches from conventional therapies can be used. The evaluation of the SWOT analysis was 0.85, which indicates a preponderance of positive factors. Feedback from patients shows that working with the eAmbulance service does not create any difficulties for patients. Technical difficulties were found to be a shortcoming (the author of the thesis also confirms this).

The inclusion of telerehabilitation appears to be a suitable way of maximising the effectiveness of occupational therapists, as well as extending these services to a larger number of patients. Patients are more motivated, when they assume greater responsibility for the final result.

Key words: telerehabilitation, acquired brain injuries, eAmbulance, development
of occupational therapy