

ABSTRACT OF BACHELOR THESIS

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Title: Assessment of Peripheral Facial Nerve Palsy in Physiotherapy

Abstract:

This theoretical-practical thesis deals with assessment of peripheral facial nerve palsy in physiotherapy. The aim was to compare four selected assessing methods according to chosen criteria. Based on a literature research, the selected methods were three foreign clinical scales (House Brackmann Grading Scale, Sunnybrook Facial Grading System, Chuang's Smile Excursion Score) and the fourth scale was Janda's functional muscle test of the face.

Theoretical part is devoted in detail to the neuroanatomy of the facial nerve, describes the mimetic muscles and their functions and outlines possible types of the peripheral nerve damage. It also discusses peripheral facial palsy itself, including epidemiology, symptoms, etiology, diagnostics and treatment. Some of the possible physiotherapy methods that can be used for this condition are mentioned as well. The conclusion of the theoretical part is reserved for the evaluation methods applicable in physiotherapy. The four clinical scales are explained in detail to aid understanding of the practical part.

In the practical part, I worked with six patients with peripheral facial nerve palsy. I examined and assessed each patient's condition using the four clinical scales (House Brackmann Grading Scale, Sunnybrook Facial Grading System, Chuang's Smile Excursion Score and Janda's functional muscle test of the face).

According to ascertained information, the final evaluation was conducted, in which the results were presented based on the criteria. The results showed that the most suitable clinical scale out of the four evaluated was Sunnybrook Facial Grading System.

Key words: peripheral facial nerve palsy, assessment, physiotherapy, grading scales, mimetic muscles