

OPPONENT'S EVALUATION REPORT OF DIPLOMA THESIS

Study program: SPECIALIZATION IN HEALTH SERVICE - Master degree

Study branch: PHYSIOTHERAPY

Opponent's name:

Mgr. Helena Vomáčková, Ph.D.

Author's name:

Bc. Saad Amathami

Supervisor's name:

PhDr. Tereza Nováková, Ph.D

Consultant's name:

The title of the diploma thesis:

Effect of open and closed loop cueing on gait function in Parkinson disease

The aim of the diploma thesis:

The objective of this study is to evaluate the effectiveness of opened and closed loop cueing intervention on Parkinson disease patients gait function focusing on the temporal and spatial parameters of gait and to define the most effective cueing approach for different gait parameters and finally to examine the closed loop feedback system for regular usage in regular physiotherapy clinics or patients own homes.

1. Scope:

number of pages of the thesis / text	88/50			
number of used sources	94			
others	tables	fig./photos	graphs	supplements
	10	2	0	0

2. Formal and language level of the thesis:

	excellent	very good	good	unsatisfactory
choice and definition of the topic, originality	x			
degree of fulfilment of the goal of the thesis	x			
logical structure of the thesis		x		
<i>The abstract presented in the work is not structured, the Czech version is missing. Incorrect numbering of the chapter "supplements".</i>				
work with literature, use of citation standard		x		
<i>Inconsistency of the citation standard used.</i>				
work editing (text, graphs, pictures, tables)		x		
stylistic level of the text	x			

3. Evaluating criteria of the theoretical part of the thesis:

	excellent	very good	good	unsatisfactory
analysis and interpretation of literary review		x		
application of bibliography results for connection to the experimental part	x			

4. Evaluating criteria of the special part of the thesis:

	degree of evaluation			
	excellent	very good	good	unsatisfactory
research set - adequacy of selection	x			
<i>The study includes 37 articles, following given inclusion and exclusion criteria.</i>				
methodology - used evaluation methods and their quality	x			
<i>Methodological criteria of the chosen type of work - systematic review - are adequately chosen (research strategy, data extraction, objectivities, ...).</i>				
results - presentation and interpretation	x			
<i>The analysis of individual used articles is performed precisely, p-values and individual statistical levels of significance are given. The text of Chapter 4 has a logical sequence and the results are discussed in Chapter 5 - Discussion.</i>				
discussion - interpretation of results in relation to current knowledge		x		
<i>The text discusses all types of cueing (closed loop, open-loop, auditory, visual, somatosensory, attentional) and other monitored parameters in relation to the improvement of patients in their home environment.</i>				
conclusion - self-evaluation level of the thesis	x			
<i>There is well defined conclusions in the thesis. And at the same time, the inconsistency of published test procedures is discussed and pointed out, which is one of the limits of the results of the presented work.</i>				

4. Usefulness of the results of the thesis in practice:

above average average below average

5. Additional commentary and evaluation, questions for the defence:

The thesis meets the requirements of the diploma thesis. It is clear from the text of the thesis that the student Saad Amathami is able to work with theoretical knowledge that he could transfer to the practical work of a physiotherapist. Defence questions: do you have practical experience with patients with PD? What specific therapeutic approach do you consider most often used to improve patient mobility?

6. Statement of the opponent:

I declare that all referenced sources are properly cited or paraphrased in the thesis.

7. Recommendation for defence:

yes	yes with-reservations	no
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8. Proposed classification level:

excellent

In Prague: 3.9.2021

opponent's signature