

# BACHELOR THESIS OPPONENT'S REFERENCE

Study program: SPECIALIZATION IN HEALTH SERVICE - Bachelor degree

Study branch: PHYSIOTHERAPY

Opponent's name:

PhDr. Helena Vomáčková, Ph.D.

Author's name:

Husam Aldin Barakat

Supervisor's name:

Mgr. Gabriela Kočí

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The title of the bachelor thesis:

Case study of physiotherapy treatment of a patient after ischemic stroke in basal ganglia with right sided spastic hemiparesis

The aim of the bachelor thesis:

This thesis aims to consolidate theoretical insights into ischemic stroke and present a detailed case report of a patient experiencing right-sided hemiparesis following an ischemic stroke in the basal ganglia

1. Scope:

number of thesis / text pages	102/ 113			
number of used sources	37			
others	tables	figures	graphs	supplements
	33	1	1	3
<b>1. Formal and language level of thesis:</b>	excellent	very good	good	unsatisfactory
fulfilment degree of the thesis goal	x			
work with literature, use of citation standard	x			
work editing (text, graphs, pictures, tables)			x	
<i>Incorrect page numbering in the table of contents. Inconsistent formal alignment of text on the page. Formal part of the thesis (font size in headings, separation of main chapters on separate pages, ...)</i>				
level of the text style		x		

3. Evaluating criteria of the thesis:

	degree of evaluation			
	excellent	very good	good	unsatisfactory
<b>quality of the theoretical content and processing</b>	x			
<i>The quality of processing corresponds to the demands of the bachelor's thesis, the theoretical part is processed on 15 pages of text. In the theoretical part of the thesis, the knowledge and outcomes of current modern physiotherapeutic procedures tested on EBM are systematically organized.</i>				
<b>logical structure of the thesis and balance of the chapters</b>	x			
<i>The theoretical part of the thesis is logically organized into chapters describing the characteristics of ischemic stroke. The anatomy of the basal ganglia is also mentioned very briefly in the chapter. At the same time, the theoretical part briefly discusses the types of causes and consequences of stroke. Part of the theoretical part is devoted to hemiparesis and its physiotherapeutic treatment. At the same time, the theoretical part also briefly deals with general physiotherapeutic approaches, which are complemented by published results of currently used therapeutic approaches and innovative techniques. The methodology of the thesis is written without specifying the type of work and from which sources the background for the theoretical part was drawn.</i>				
<b>chosen examination techniques, design and their recording</b>		x		
<i>The examination techniques chosen for the initial and final examinations in kinesiology correspond to the knowledge of the Bachelor's degree programme. Their selection is appropriate to the diagnosis. Some of the therapeutic procedures, although described in great detail, lack a specification of the direction of therapy (most often peripheral joint mobilisation according to Lewit).</i>				
<b>ability to evaluate the intervention and interpretation of the results</b>	x			
<i>The evaluation of the treatment is presented in a separate chapter (chapter 3.6.14-3.6.15, pages 97-100), including a summary of the treatment results in tables (table 31-33, graph 1). A successful discussion (chapter 4) referring to the incorporation of EMB techniques into the treatment plan is also included. The prognosis of the patient is missing.</i>				
<b>level of the work evaluation in relation to current knowledge</b>	x			
<i>In the conclusion of the thesis, the student evaluates the fulfilment of the objectives of the thesis itself and adds a personal perspective on the therapy and the possibility of increasing its expertise in a patient with spastic hemiparesis.</i>				

**4. Additional commentary and evaluation, questions for the defence:**

*The thesis meets the requirements for knowledge and therapeutic approaches of physiotherapy at bachelor level. I am convinced that Mr. Husam Aldin Barakat approached the care of the patient with right-sided hemiparesis in a very comprehensive way. I recommend the thesis for defence and ask the student to A) comment on the therapeutic technique that he feels is most beneficial for the patient; B) suggest a therapy utilizing physical therapy that would increase the patient's functional capacity.*

**5. Statement of the opponent:**

I declare that all referenced sources are properly cited or paraphrased in the thesis. The thesis has been evaluated by the similarity test (Theses - Turnitin). The similarity protocols of the thesis are part of the electronic documentation of the thesis (in SIS) and reflects a 19% overall similarity (Theses.cz) and a 17% overall similarity (Turnitin).

**6. Recommendation for the defence:**

yes	yes with reservations	no
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**7. Proposed classification level:**

*excellent (according to the defence)*

**In Prague December 27th 2023.**

PhDr. Helena Vomáčková, Ph.D.

**opponent's signature**