

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:

Wonjun Lee

Supervisor's name:

PhDr. Tereza Nováková, Ph.D.

The title of the bachelor thesis:

Case study of physiotherapeutic treatment of a patient after Total Knee Replacement

The aim of the bachelor thesis:

The thesis put its purpose in understanding anatomy, kinesiology, and biomechanics of physiological human knee. It, further, covers theoretical information of osteoarthritis and total knee replacement. Finally, the thesis aims to put together theoretical knowledge and physiotherapeutic methods to explore rehabilitation procedure of a patient after total knee replacement

1. Scope:

number of thesis / text pages	71/56			
number of used sources	37			
others	tables	figures	graphs	supplements
	17	4	0	4

2. Formal and language level of thesis:

	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			
level of the text style		x		

3. Evaluating criteria of the thesis:

	degree of evaluation			
	excellent	very good	good	unsatisfactory
quality of the theoretical content and processing	x			
<i>The quality of processing corresponds to the demands of the bachelor's thesis; the theoretical part is processed on 22 pages of text. The theoretical part is mostly composed of current published sources.</i>				
logical structure of the thesis and balance of the chapters	x			
<i>The theoretical part of the work is logically compiled in chapters describing the functional anatomy of the knee joint, kinesiology and biomechanics of the knee joint, the risk factors, ethiology, clinical symptoms, imagining methods, diagnosis, treatment, education, conservative and surgical treatment of knee osteoarthritis and the indication contraindication, pre and post operative management of total knee replacement; the content of individual chapters exceeds the requirements of the bachelor's thesis. The formal structure of the bachelor's thesis is appropriate to bachelor thesis.</i>				
chosen examination techniques, design and their recording		x		
<i>The selected examination techniques within the initial and final kinesiology examination correspond to the knowledge of the bachelor's study program. Their choice is adequate for diagnosis but their record not all the details as design and author. The chapter "Anamnesis" (p. 30) completely lacks a chief complaint and other details describing actual patient's condition; the examination of posture is missing in the initial examination (p. 31)</i>				
chosen therapeutic techniques, design and their recording		x		
<i>The selected therapeutic techniques correspond to the basic knowledge at the bachelor's level, the description of the techniques lacks an author, the manual techniques lack an exact description of the direction of mobilization and the analytical therapy is repeated identically in the individual therapeutic units.</i>				
ability to evaluate the intervention and interpretation of the results		x		
<i>The evaluation of therapy is performed very briefly in chapter (3.7.), unfortunately without specifying the values of improvement (extent of flexion in the knee joint, muscle strength, length of shortened muscles). The patient's prognosis is not described in the evaluation of therapy. (p. 61)</i>				
level of the work evaluation in relation to current knowledge		x		
<i>The conclusion of the thesis does not refer to current knowledge and approaches, although this information often appears in the text of the thesis (introduction, chapter 3.3.2).</i>				

4. Usefulness of the thesis results in practice:

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

Despite the above-mentioned theses, it corresponds to the requirements for the elaboration of a bachelor's thesis. The student demonstrated knowledge and practical skills of the bachelor's degree. I recommend the thesis for defense. As part of the diploma work defense, I ask student Wonjun Lee to answer the question: whether he can design a physical therapy that would be beneficial for the patient at the condition he had met.

6. Statement of the supervisor:

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

7. Recommendation for the defence:

yes	yes with reservations	no
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8. Proposed classification level:

very good

In Prague 9th January 2022.

PhDr. Helena Vomačková, Ph.D.

opponent's signature