

SUPERVISORS REPORT OF MASTER THESIS

Jméno vedoucího:

doc. PhDr. Martin Musálek, Ph.D.

Jméno diplomanta:

Bc. Joe Truesdale

Title:

The Effect of Kinesio Tape on the Muscle Activation of the Long Head of the Biceps in Baseball Players

Aim fo thesis:

The aim of this thesis is to verify that the application of KT to the skin located superficially to the Long Head of the Biceps increases its activity in the baseball throwing motion.

1. Tomic demands:	average	aboveaverage
* theoretical knowledge		*
* theoretical outcomes	*	
* methods	*	

2. Criterias:	stupeň hodnocení			
	excellent	very good	fair	poor
Passing the aim		*		
Students independecny		*		
Logical structure		*		
Using literature sources		*		
Relevance of methods		*		
Formal and graphical editing		*		
Stylistic form		*		

3. Practical usefulness:	average	aboveaverage
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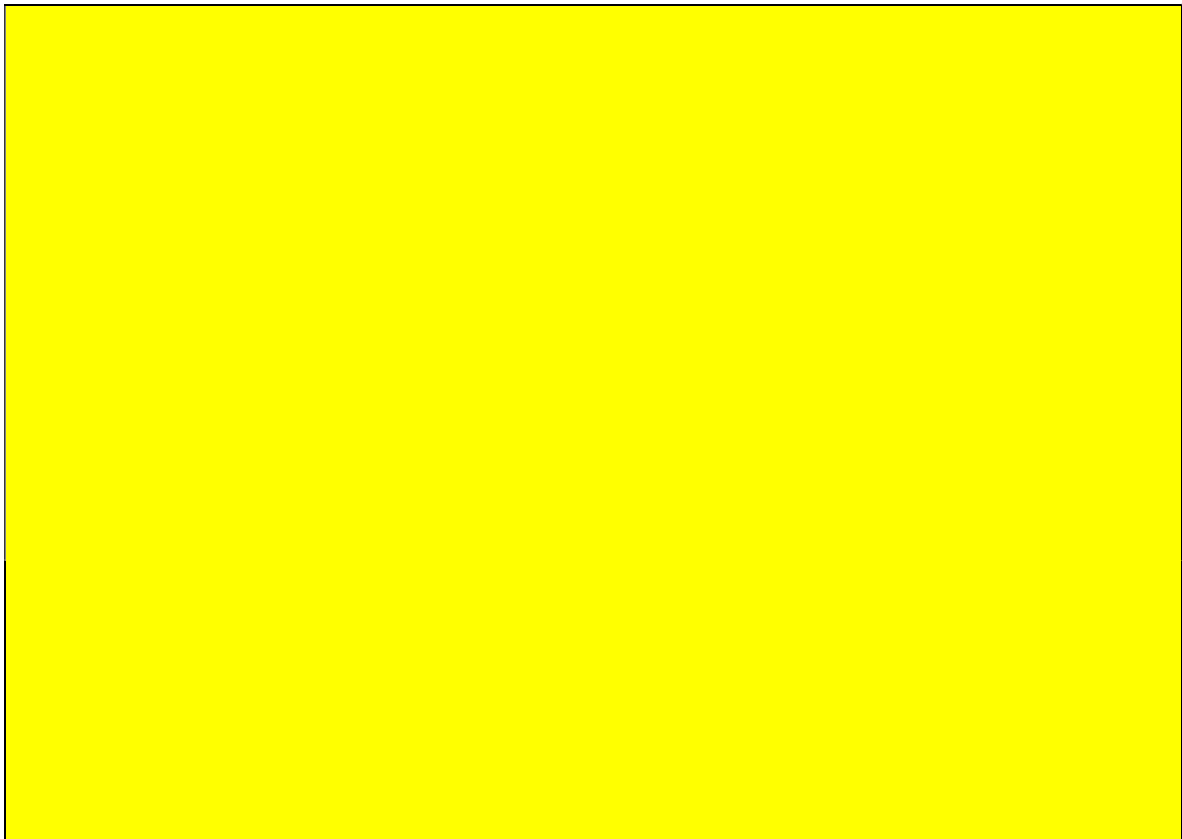
The master thesis itself is 59 pages long, which is a standard length for a master thesis. First, we need to mention that there is the usual amount of typing errors and formal errors. The topic and the subsequent empirical study is in concordance with the study programme in physiotherapy. In addition, I assume that original empirical studies with experimental

design are highly demanded in the field of physiotherapy. The theoretical outcomes are presented in six chapters and in my opinion no important information required in own empirical design of a research study is missing. I would however suggest leaving out the effects of kinesiotape which are currently included in chapter 2.5 and make this into a separate main chapter. In the current form it looks like this is of secondary importance even though it is the main source of information about what has been done in previous empirical research and which formulation of the research hypothesis we can assume.

In the methodology section of the study I am not sure whether the author had all covariates under control. Previous research suggests that surface EMG is not a very stable diagnostic tool unless rigorous conditions are ensured. Therefore, I believe there is a certain danger that the form of the required movement without any pilot testing may have been one of the reasons why the results were unexpected according to the author.

On the other hand, in the context of the applied methods and used statistical approaches I do not see any serious violation in data interpretation. However, in my opinion, the author should have given more attention to the interpretation of data which really represent outliers and devote more time to discussing the causes.

In the Discussion and Conclusion part author compare and sufficiently summarizes the main outcomes of the research study.



5. Recommendation for defense:

Yes	No
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6. Final evaluation

Very good

Date: 6. 1. 2021

doc. PhDr. Martin Musálek, Ph.D.

Signature of supervisor