SUPervisor Assessment of the Diploma Thesis of:
Muscles activation during „shoulder mount“ pole acrobatic exercise.

Student: Sanni Modinat
Obor: physical therapy
Department of Anatomy and Biomechanics,
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Motion and muscular activity analysis belongs to basic theoretical knowledges for students who dealt with musculoskeletal biomechanics. Student Sanni Mondiat as a physical therapy student handled experimental work in biomechanics area. She was developing methodology for muscular activity analysis during not standard movement, pole acrobatic exercise.

The aim of present study was to analyse upper extremity muscle activity during specific performance – shoulder mount. The purpose was monitor the changes in two different conditions; with using kinesiotape and elbow brace and compare with the control condition for the reason of finding out their ability to affect the myoelectric activities of selected muscles.

She learn work wit experimental equipment, as EMG recording system and Qualisys motion capture system and organized all experimental data collection.

Student had to solve several problems with data collection and start experiments again and again. She learn post processing and interpretation of recorded data. Was shown, that student know use knowledges acquired during her master study. Even if collected data come from two specimens, experimental part of her thesis have not low quality.

The thesis manuscript is well-organized, and follows accepted thesis standards.

In consideration of above, the thesis titled, Muscles activation during „shoulder mount“ pole acrobatic exercise is suitable for defense by Sanni Modinat.

I recomend to classify it by degree

„very good“

Prague 18.1.2016

Ing. Miloslav Vilimek, Ph.D.
diploma thesis supervisor