

Abstract

Title: The influence of ballistic vests for coordinating ability of the Czech Republic`s policemen.

Aims: The aim of this thesis is to compare different types of protective ballistic vest with the same degree of ballistic protection within their influence on the coordination abilities of probands and the following comparisons and evaluation of results.

Methods: This is an empirical thesis of observational character. The standardized motoric test for coordination skills was performed and its results were statistically processed. These data were then compared using the t-test. The comfort during using vest was also evaluated by interviewing.

Results: From the measured data, it was found that the difference between two of the three tested vests was not statistically significant (Petris and Eagle). Their results were relatively balanced. Highly significant statistical difference was between these two vests and the third test vest (Global Armour). The Global Armour vest came out of the test the worst. This fact is also confirmed by the result of questioning when all ten probands evaluated better the vest Petris and nine probands evaluated better the vest Eagle, than Global Armour vest due to the comfort. I would state, that this difference is insignificant in practice due to the purposes and conditions under which are these vests used.

Key Words: protective ballistic vests, motoric tests, coordination skills