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## 演題 The Influence of Binocular Vision on Sensomotor Learning Process

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The goal of the study is to identify a possible descriptively associative relation between sensomotor learning process and the quality of binocular vision. Realized on a homogeneous sample of students in sports, the research file was extended up to 72 probands, when compared with the pilot study (2012). To investigate the level of visual functions (single binocular vision), we used the troposcope, to determinate the level of sensomotor learning process we used the mirror drawing test. Following statistical processing of the gained data confirmed the significance of the relationship between visual functions and motor learning process is medium ( $r_s = 0.31$ ). After processing the collected data, a statistically significant relationship between the studied variables was ascertained. These operations were done using the software called Statistica 8.0. With regard to the limited sample size, this research cannot be generalized, and its results are considered to be valid in a group of students of physical education and sports at the age of 21 to 26 years.

Keywords: sensomotor learning, visual functions, neuromuscular coordination, mirror drawing, simple binocular vision, and stereopsis.



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