

The Relationship between Age and Selected Kinematic Parameters of Standing Long Jump Test*

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ABSTRACT The aim of this study is to determine the relationship between age and selected kinematic parameters of standing long jump. The sample consisted of 120 male respondents aged 4 to 18 years. The control group comprises of 20 students of Faculty of Kinesiology. The sample of variables consisted of 21 kinematic parameters. The relationship between age and selected kinematic parameters was determined by polynomial regression analysis. The results showed statistically significant relationship between age and six kinematic parameters in preparatory phase ($F = 15.66$; $F = 4.37$; $F = 5.62$; $F = 40.86$; $F = 6.30$; $F = 13.00$), six in take-off phase ($F = 16.78$; $F = 17.81$; $F = 12.98$; $F = 395.31$; $F = 5.62$; $F = 13.02$) and one in landing phase ($F = 22.37$). It can be concluded that standing long jump is a complex motor task, which is developing with the age of respondents.