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Comparison of selected biomechanical variables and performance of national level judokas in kata guruma

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The purpose of this study was to measure the relationship of selected biomechanical variables to the performance of national level judokas in kata guruma. The subjects for this study were 60 male judokas who had represented their respective states in national tournaments (12 subjects from each team). Their age ranged from 19 to 25 years. All the subjects were right handed throwers. The data was analyzed by the use of analysis of variance and LSD test. The level of significance chosen to test the hypothesis was .05. None of the selected angular biomechanical (kinematic) variables that is ankle joint (right and left), knee joint (right and left), shoulder joint (right and left), elbow joint (right and left) and wrist (right and left), and hip joint (left and right) has significant difference also the performance of judokas in kata guruma. In case of Linear A biomechanical (kinematic) variable that is height of center of gravity at moment contact does not have significant difference in judokas in kata guruma.

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