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The effect of flexible flat-footedness on selected physical fitness factors in female students aged 14 to 17 years Babak Nakhostin-Roohi, Soheila Hedayati, Azar Aghayari

Abstract

The purpose of this study was to evaluate influence of flexible foot flatness on several physical fitness factors that are necessary for sport performance. Fifty students were randomly selected from each group (Flatfoot and Normal group). Static balance (One Leg Test), Dynamic balance (Modified Bass Test), speed (45 Meter Dash Test) and agility (T Test) were selected as physical fitness factors. There were significant differences in agility and static balance records (P<0.05) but not significant differences in speed and dynamic balance records between groups (P>0.05). It seems foot as a last part of a close kinematic chain has very important role in dynamic and static position and affects physical fitness factors.

However, owing to presence of a plenty of controversies suggests more works in this domain.

Key words: Flexible Flatfoot,

Static balance, Dynamic Balance,

Agility

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