



## The effect of chasbino package on motor development of preschool children

### Oral Presentation

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### Abstract

**Introduction:** Providing conditions to experience fundamental motor skills plays an important role in improving the motor development of children.

**Purpose:** The aim of this study was to determine the effect of the Chasbino package on the motor development of preschool children.

**Method:** For this purpose, 28 preschool children, 4-6 years. In Tehran city were selected and divided into groups of experimental (n=15) and control (n=13). TGMD2 test included two subscales (locomotion and object control) was used for testing gross motor development. The experimental group played for eight weeks (3 times a week and each session 90 min.). Chasbino package is made of Hook & Loop strips, consists of two linear polyester strips which are easy to be attached together. The formulated and unique design of hooks and loops increase the bonding strength of Hook & Loop Tape. The researchers designed different active games using bonding characteristics of Hook & Loop Tapes, including locomotion, manipulation, and stability skills. Chasbino package has been registered in Iran's Children and Adolescent Intellectual Development Center. After completed play sessions, the pre-test tasks were conducted in both experimental and control groups. To analyze the data, the analysis of covariance, Shapiro-Wilk test, and Leven tests were used in a significant level of 0.05 using SPSS 17 software.

**Results:** The results showed that eight weeks of physically play with Chasbino can significantly improve some locomotion skills such as running ( $p = 0.003$ ), bound ( $p = 0.005$ ), and galloping ( $p = 0.012$ ) and some object control skills such as striking a stationary ball ( $p = 0.021$ ), overhand throw ( $p = 0.004$ ) and underhand roll and ( $p = 0.01$ ).

**Conclusion:** Eight weeks of playing with Chasbino can enrich the environment and significantly improve some basic motor skills of children. Pre-school educators can use Chasbino to improve some locomotion and object control skills of preschool children.

### Keywords

Play; Chasbino; preschoolers