

International Congress on Sport Sciences &Interdisciplinary research / semi-virtual



11_12 Nov.

2021

Do geographical Regions have a different effect on motor development? *Poster Presentation*

1Mahmoud Sheikh; 2Davoud Houminiyan Sharif Abadi; 3Majid Mohammadi^{*}; 3Noman Moradizadeh

1Professor, Department of Motor Development, University of Tehran, Tehran, Iran

2Assistant Professor, Department of Motor Development, University of Tehran, Tehran, Iran

3Ph.D. student in Motor Development, University of Tehran, Tehran, Iran(mmohammadi23@ymail.com)

Abstract

Introduction: A geographical Region is a part of the earth that is similar to its own geographical features and is separated from other areas by these features (1). Although geographical Regions play an important role in the formation of movement and the occurrence of behavioral patterns, there are few studies in this field in which contradictory results have been reported (2). The aim of this study was to compare children's Fundamental movement skills according to geographical regions.

Methods: The statistical population included students of Tehran, Lorestan, Khuzestan, and Kurdistan provincial centers, and 240 people (120 girls, 120 boys) participated in this study as a sample. Ulrich's motor development test (2015) was used to assess basic motor skills, and multivariate analysis of variance test was used to analyze the data using SPSS software version 22.

Results: The results of multivariate analysis of variance showed that in the total transfer score of students in Khorramabad, the score was significantly higher than students in Ahvaz (P = 0.001), and students in Sanandaj had higher scores than Students of Khorramabad and Tehran obtained (P = 0.001), but no significant difference was observed between other cities. In the total manipulation score, the score of children in Lorestan province was significantly higher than the children of Khuzestan (P = 0.001), and the children of Kurdistan province scored higher than the children of Lorestan (P = 0.001), but the difference No significance was observed between other provinces.

Conclusion: One of the factors affecting the development of children's movement patterns is the geographical Regions. The results of the present study showed that the effects of geographical Regions on the Fundamental movement skills are different. The findings of this part of the study are consistent with the results of studies by Emma et al. (3), Rosa et al. (4). According to Levin et al. (1970), the theory of behavior regulation, living space, and environmental conditions affect a child's behavior because different conditions provoke different reactions, and growth occurs in a wide range of environmental contexts. Cultural environment Where the person is and issues such as beliefs, etiquette, attitudes affect the child's motor development.

Keywords

Geographical Regions; motor development; Fundamental movement skills

Reference:

1. Kezban T. Comparison of gross motor development of 3-7 years old children in different geographical regions: Turkish Journal of Sport and Exercise.2018:20 (16):174-183.

2. Bilgili M. Sosyal bilimler felsefesi açısından Türkiye'deki üniversitelerde bölgesel coğrafya öğretimi. Marmara Coğrafya Dergisi. 2016; 33:(54): 114-134

3. Emma L. J. Eyre, Leanne Jaye Walker, and Michael J. DuncanFundamental Movement Skills of Children Living in England: The Role of Ethnicity and Native English Language: Perceptual and Motor Skills. Vol.2018: 125(1) 5–20.

4. Rosa M. Angulo-Barroso, Lauren Schapiro, Weilang Liang, Onike Rodrigues, Tal Shafir, Niko Kaciroti1. Motor Development in 9-Month-Old Infants in Relation to Cultural Differences and Iron Status: Published in final edited form as: Dev Psychobiol.;2011: 53(2): 196–210. doi:10.1002/dev.20512