

# Comparison of Motor Skills Among Students with Intellectual Disability, Stuttering, Articulation Problems and Normal Speech

- **Zohreh Raeghi**, MA of Exceptional children, Islamic Azad University, Urmia, Iran
- **Ali Zeinali\***, Associate Professor, Department of Psychology, Islamic Azad University, Urmia, Iran

## Abstract

**Objective:** This research aimed to compare the motor skills among students with intellectual disability, stuttering, articulation problems and normal speech. **Methods:** The study was a retrospective causal-comparative research. From among all elementary male students with intellectual disability in Urmia city, 90 students (30 students in each group) were selected. All groups completed the revised motor skills test of Lincoln-Oseretski. Data were analyzed using multivariate analysis of variance and analysis of variance methods.

**Results:** the finding showed significant differences between groups in all aspect of motor skills including dynamic general coordination, static general coordination, and dynamic hand coordination, speed of movement, voluntary synchronous symmetrical movements and voluntary asynchronous asymmetrical movements ( $P < 0.01$ ).

**Conclusion:** Due to the balanced development of motor abilities being the basis of next learning, correction of motor difficulty is necessary before the start of training other skill.

**Keywords:** Motor Skills, Intellectual Disability, Stuttering, Articulation Problems, Normal Speech

\* E-mail: a.zeinali@iaurmia.ac.ir