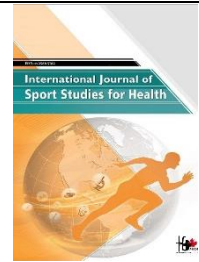


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Comparison of the Effect of Exercise Types on Perceptual-Motor Performance in Boys with Down Syndrome

Farnaz. Torabi^{1*}, Reza. Khodarahmi¹

¹ Department of Physical Education and Sport Sciences, Payame Noor University, Tehran, Iran

* Corresponding author email address: Torabi@Pnu.ut.ac.ir

Editor	Reviewers
Luis Felipe Reynoso-Sánchez ¹ Department of Social Sciences and Humanities, Autonomous University of Occident, Los Mochis, Sinaloa, Mexico felipe.reynoso@uadeo.mx	Reviewer 1: Masoud Mirmoezi ¹ Department of Physical Education and Sport Sciences, Islamic Azad University, Central Tehran Branch, Tehran, Iran. Email: massoudmirmoezi@live.com Reviewer 2: Yaghob Badriazarin ¹ Associate Professor of Sport Sciences, Tabriz University, Tabriz, Iran. Email: badriazarin@tbzmed.ac.ir

1. Round 1

1.1 Reviewer 1

Reviewer:

The statement "Given the above points, experimental research on the effects of various exercise methods on body mass index and motor performance in individuals with Down syndrome is crucial" lacks specificity. It would be helpful to clearly outline the research gaps this study addresses.

The presentation of data in Figure 1 (BMI changes) could be enhanced by adding error bars to illustrate variability. This would provide a clearer understanding of data dispersion.

The sentence "Further analysis revealed that resistance training had a greater effect on upper limb coordination" lacks detail. It would be helpful to elaborate on the physiological or biomechanical reasons for this observation.

Author revised the manuscript and uploaded the updated document.

1.2 Reviewer 2

Reviewer:

In the introduction, the discussion of previous studies (e.g., Rahmani & Shahrokhi, 2011) is somewhat limited. Expanding on the mechanisms behind the observed effects of aerobic and resistance training in this population would strengthen the background context.

The description of the training protocols (e.g., "Aerobic training was conducted at 50% of maximum heart rate...") lacks justification for the chosen intensity levels. Please explain why these particular intensities were selected for boys with Down syndrome.

The results discussion mentions p-values several times. Ensure that the interpretation of these p-values is consistent with the hypothesis being tested, and clarify the clinical significance where possible, not just statistical significance.

In the discussion of gross and fine motor skills, you compare your findings to other studies. It would be beneficial to discuss potential reasons for any discrepancies in outcomes, such as variations in exercise protocols or participant characteristics.

Author revised the manuscript and uploaded the updated document.

2. Revised

Editor's decision after revisions: Accepted.

Editor in Chief's decision: Accepted.