

Comparison of the Effectiveness of Computer-Based Cognitive Rehabilitation and Cognitive-Behavioral Play Therapy on Risk-Taking in Children with Attention Deficit/Hyperactivity Disorder

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1. Round 1

1.1. Reviewer 1

Reviewer:

The prevalence rates mentioned, such as "5.3% globally and between 3.5% to 4.9% in Iran," should be updated with the latest available statistics if possible. Specify the year of the data to provide temporal context.

The Balloon Analogue Risk Task (BART) description is clear, but the underlying rationale for selecting this task over others should be provided. How does it specifically align with the study objectives?

For the Conners' Child Behavior Rating Scale, briefly discuss how cultural factors might influence the tool's reliability and whether it was validated for the study population.

The section on "Session 1: Introduction and Spatial Auditory Recall" should explain how each exercise links to specific cognitive deficits in ADHD. Make these connections explicit to support the therapy's efficacy.

When discussing "a significant difference in the risk-taking variable," specify the effect size to give readers a better understanding of the intervention's impact.

The explanation of how "computer-based cognitive rehabilitation creates stable synaptic changes" could benefit from referencing more detailed neuroplasticity mechanisms or recent studies to strengthen the argument.

Authors revised and uploaded the document.

1.2. Reviewer 2

Reviewer:

In the paragraph starting with "As a cognitive disorder, ADHD increases the likelihood of impulsive and harmful behaviors," consider adding a brief explanation of the theoretical basis linking ADHD and risk-taking behavior.

The paragraph discussing "working memory located in the anterior cingulate cortex" needs more elaboration on how specific brain areas are targeted by the proposed interventions.

The criteria are briefly mentioned, but the reasoning behind excluding children with physical disabilities and those on medication needs elaboration. Consider discussing how these factors might confound the results.

The results mention using the Scheffé test. Explain why this method was chosen over other post-hoc tests and how it manages the risk of Type I errors.

The paragraph starting "In comparison with the control group, a significant reduction in risk-taking..." should engage more with other studies' findings. Discuss similarities and differences more explicitly.

Authors revised and uploaded the document.

2. Revised

Editor's decision after revisions: Accepted.

Editor in Chief's decision: Accepted.