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The Impact of Performance Fatigue on Visual Perception, Concentration, and Reaction Time in Professional Female Volleyball Players

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E d i t o r	R e v i e w e r s
Khadijeh Irandoust  Associate Professor, Department of Sport Sciences, Imam Khomeini International University, Qazvin, Iran irandoust@ikiu.ac.ir	Reviewer 1: Ali Choori  Assistant Professor of Sports Management, Faculty of Humanities and Sports Sciences, Gonbadkavos University, Gonbadkavos, Iran. Email: choori@gonbad.ac.ir Reviewer 2: Masoud Mirmoezi  Department of Physical Education and Sport Sciences, Islamic Azad University, Central Tehran Branch, Tehran, Iran. Email: massoudmirmoezi@live.com

1. Round 1

1.1 Reviewer 1

Reviewer:

Expand the literature review to include a broader range of studies related to fatigue, particularly in volleyball. This would provide a more comprehensive backdrop and highlight the novelty of your study more effectively.

The references used in the introduction could be more current to reflect ongoing research trends. Consider incorporating more recent studies that have been conducted after 2018 to ensure the relevance of the literature review.

Clarify why the age range of 18 to 25 was chosen for your participants. Including the rationale for this specific age group would strengthen the methodological foundation of the study.

Provide a statistical power analysis to justify the sample size of 24 participants. This would enhance the credibility of your study results and ensure that the sample size was sufficient to detect a significant effect.

Detail any steps taken to control for external variables that could influence the results, such as the participants' nutritional status, sleep quality, and psychological state during the tests.

Develop a deeper discussion of the theoretical implications of your findings, particularly how they contribute to existing theories of sports performance and fatigue.

Expand on the practical applications of the findings, specifically how coaches and trainers can implement your insights in training regimens and fatigue management.

Author revised the manuscript and uploaded the updated document.

1.2 Reviewer 2

Reviewer:

Include more specific information about the Vienna Test System tests used to measure visual perception, concentration, and reaction time. A detailed description will help in replicating the study and understanding the measures' sensitivity.

Consider presenting the results with additional graphical representations (e.g., bar charts or line graphs) to visually summarize the findings, making them more accessible and easier to interpret for readers.

Elaborate on the choice of statistical tests and include a discussion about any adjustments made for multiple comparisons, which is crucial in controlling the Type I error rate.

Strengthen the discussion by explicitly linking your findings to previous studies mentioned in the introduction. This would help in contextualizing your results within the existing literature.

Author revised the manuscript and uploaded the updated document.

2. Revised

Editor's decision after revisions: Accepted.

Editor in Chief's decision: Accepted.