# Check for updates

### **OPEN ACCESS**

EDITED AND REVIEWED BY Niklaus F Friederich, University of Basel, Switzerland

\*CORRESPONDENCE Youping Sun, ⋈ 1610732041@qq.com

RECEIVED 05 June 2025 ACCEPTED 25 June 2025 PUBLISHED 09 July 2025

### CITATION

Zheng B, Zhang Z, Zhang Z, Sun Y, Xiao Y and Li M (2025) Correction: Effects of mental fatigue on biomechanical characteristics and risk associated with non-contact anterior cruciate ligament injuries during landing. *Front. Bioeng. Biotechnol.* 13:1641483. doi: 10.3389/fbioe.2025.1641483

#### COPYRIGHT

© 2025 Zheng, Zhang, Zhang, Sun, Xiao and Li. This is an open-access article distributed under the terms of the Creative Commons Attribution License (CC BY). The use, distribution or reproduction in other forums is permitted, provided the original author(s) and the copyright owner(s) are credited and that the original publication in this journal is cited, in accordance with accepted academic practice. No use, distribution or reproduction is permitted which does not comply with these terms.

# Correction: Effects of mental fatigue on biomechanical characteristics and risk associated with non-contact anterior cruciate ligament injuries during landing

Bosong Zheng<sup>1,2</sup>, Zeyang Zhang<sup>1,2</sup>, Zeyi Zhang<sup>1,2</sup>, Youping Sun<sup>1,2</sup>\*, Yao Xiao<sup>3</sup> and Mengjie Li<sup>1,2</sup>

<sup>1</sup>College of Physical Education and Health, East China Normal University, Shanghai, China, <sup>2</sup>Key Laboratory of Adolescent Health Assessment and Exercise Intervention of Ministry of Education, East China Normal University, Shanghai, China, <sup>3</sup>College of Physical Education, Chengdu Sports University, Chengdu, China

### KEYWORDS

mental fatigue, stop-jump, single-leg landing, non-contact anterior cruciate ligament injury, sports biomechanics

# A Correction on

Effects of mental fatigue on biomechanical characteristics and risk associated with non-contact anterior cruciate ligament injuries during landing

by Zheng B, Zhang Z, Zhang Z, Sun Y, Xiao Y and Li M (2025). Front. Bioeng. Biotechnol. 13: 1582873. doi: 10.3389/fbioe.2025.1582873

In the published article, there was an error. The time unit was incorrectly presented as "40 m" (meters) instead of the correct "40 ms" (milliseconds).

A correction has been made to **Introduction**, *paragraph 2*. This sentence previously stated:

"Early studies have demonstrated that NC-ACLI typically occurs within approximately 40 m after SL and SJ maneuvers..."

The corrected sentence appears below:

"Early studies have demonstrated that NC-ACLI typically occurs within approximately 40 ms after SL and SJ maneuvers..."

In the published article, there was an error. The phrase "potential underlying mechanisms" was not optimally concise and has been revised to "possible underlying mechanisms."

A correction has been made to **Introduction**, *paragraph* 6. This sentence previously stated:

"Additionally, we provided a preliminary discussion of potential underlying mechanisms, drawing on existing literature to further our understanding of how psychological and psychiatric factors may contribute to NC-ACLI risk."

The corrected sentence appears below:

"Additionally, we provided a preliminary discussion of possible underlying mechanisms, drawing on existing literature to further our understanding of how psychological and psychiatric factors may contribute to NC-ACLI risk."

In the published article, there was an error. The anatomical location "internal ankle" was incorrectly included alongside "external ankle," when only "external ankle" should have been specified.

A correction has been made to **2.4 Data collection**, *2.4.1 Instrumentation and setup*, paragraph 1. This sentence previously stated:

"Reflective marker dots were placed on 16 body locations (left/ right anterior superior iliac spine, left/right anterior thigh, left/right lateral femoral condyles, left/right anterior tibialis, left/right posterior superior iliac spine, left/right internal/external ankle, left/right heel, and left/right ball of the foot)."

The corrected sentence appears below:

"Reflective marker dots were placed on 16 body locations (left/ right anterior superior iliac spine, left/right anterior thigh, left/right lateral femoral condyles, left/right anterior tibialis, left/right posterior superior iliac spine, left/right external ankle, left/right heel, and left/right ball of the foot)." In the published article, there was an error. The modal verb "can" was too definitive and has been revised to "may" to convey a more cautious interpretation.

A correction has been made to 4 Discussion, 4.2 Potential mechanisms, paragraph 2. This sentence previously stated:

"The distinct outcomes between SL and SJ can be attributed to their differing biomechanical demands."

The corrected sentence appears below:

"The distinct outcomes between SL and SJ may be attributed to their differing biomechanical demands."

The original version of this article has been updated.

# Publisher's note

All claims expressed in this article are solely those of the authors and do not necessarily represent those of their affiliated organizations, or those of the publisher, the editors and the reviewers. Any product that may be evaluated in this article, or claim that may be made by its manufacturer, is not guaranteed or endorsed by the publisher.

02