frontiers | Frontiers in Bioengineering and Biotechnology

TYPE Correction
PUBLISHED 09 July 2025
DOI 10.3389/fbioe.2025.1641483

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

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

Bosong Zheng[1,2], Zeyang Zhang[1,2], Zeyi Zhang[1,2], Youping Sun[1,2]*, Yao Xiao[3] and Mengjie Li[1,2]

[1]College of Physical Education and Health, East China Normal University, Shanghai, China, [2]Key Laboratory of Adolescent Health Assessment and Exercise Intervention of Ministry of Education, East China Normal University, Shanghai, China, [3]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