



## OPEN ACCESS

EDITED AND REVIEWED BY  
Pierpaolo Sansone,  
Pegaso University, Italy

\*CORRESPONDENCE  
Corrado Lupo  
✉ corrado.lupo@unito.it

RECEIVED 03 March 2025  
ACCEPTED 10 March 2025  
PUBLISHED 21 March 2025

## CITATION

Lupo C, Li Volsi D, Brustio PR and Ungureanu AN (2025) Corrigendum: Water polo coaches believe they gain an advantage by calling time-out before playing power-play, but is that really true? *Front. Psychol.* 16:1587001. doi: 10.3389/fpsyg.2025.1587001

## COPYRIGHT

© 2025 Lupo, Li Volsi, Brustio and Ungureanu. This is an open-access article distributed under the terms of the [Creative Commons Attribution License \(CC BY\)](https://creativecommons.org/licenses/by/4.0/). 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.

# Corrigendum: Water polo coaches believe they gain an advantage by calling time-out before playing power-play, but is that really true?

Corrado Lupo<sup>1,2\*</sup>, Damiano Li Volsi<sup>1,2</sup>, Paolo Riccardo Brustio<sup>1,3</sup> and Alexandru Nicolae Ungureanu<sup>1,4</sup>

<sup>1</sup>NeuroMuscularFunction Research Group, School of Exercise & Sport Sciences, University of Turin, Turin, Italy, <sup>2</sup>Department of Medical Sciences, University of Turin, Turin, Italy, <sup>3</sup>Department of Clinical and Biological Sciences, University of Turin, Turin, Italy, <sup>4</sup>Department of Life Sciences and Systems Biology, University of Turin, Turin, Italy

## KEYWORDS

technical indicators, tactical indicators, margin of victory, time-out, power-play

## A Corrigendum on

[Water polo coaches believe they gain an advantage by calling time-out before playing power-play, but is that really true?](#)

by Lupo, C., Li Volsi, D., Brustio, P. R., and Ungureanu, A. N. (2025). *Front. Psychol.* 16:1548905. doi: 10.3389/fpsyg.2025.1548905

In the published article, there was an error.

A correction has been made to **Introduction**, paragraph 3. This sentence previously stated:

“playing behaviors (Canossa et al., 2022), performance evaluation (Perazzetti et al., 2023), and rule changes (Sahrom et al., 2018).”

The corrected sentence appears below:

“playing (Canossa et al., 2022) and coaching (Perazzetti et al., 2023b; Barrenetxea-Garcia et al., 2024) behaviors, performance evaluation (Perazzetti et al., 2023a).”

A correction has been made to **Materials and methods**, *Procedures*, paragraph 1. This sentence previously stated:

“A notational analysis was successfully performed using LongoMatch video analysis software v.1.3.7. (Fluendo, Barcellona, Spain).”

The corrected sentence appears below:

“A notational analysis was successfully performed using LongoMatch video analysis software v. 1.3.7. (Fluendo, Barcellona, Spain), and after creating a specific dashboard for collecting data.”

A correction has been made to **Materials and methods**, *Procedures*, paragraph 2. This sentence previously stated:

“In addition, the percentage distribution of goals, opponent’s exclusions, penalties, and other no goal outcomes (e.g., shot without goal, ball stolen by an opponent, shot

clock violation, offensive fault, and off-side fault) were counted for each team performing power-plays played with and without a preceding time-out.”

The corrected sentence appears below:

“In addition, the percentage distribution of goals, opponent’s exclusions, penalties, and other no goal outcomes (e.g., shot without goal, ball stolen by an opponent, shot clock violation, offensive fault, and off-side fault) were counted for each team performing power-plays (i.e., all offensive actions following of the temporary exclusion of an opponent defensive player, regardless of the teams’ arrangements) played with and without a preceding time-out.”

A correction has been made to **Materials and methods, Procedures**, paragraph 2. This sentence previously stated:

“to calculate ICC for each variable and values of the same observer (ICC range = 0.95–1.00) and of all three observers (ICC range = 0.95–1.00), thus reporting the correspondent intra- and inter-observer reliabilities, respectively.”

The corrected sentence appears below:

“to calculate the Lin’s concordance correlation coefficient (CCC) for each variable, and values of the same observer (CCC range = 0.94–1.00) and of all three observers (CCC range = 0.94–1.00), thus reporting the correspondent intra- and inter-observer reliabilities, respectively.”

In the published article, there was an error.

A correction has been made to **Discussion**, paragraph 9. This sentence previously stated:

“Therefore, future research focused on the incidence of time-out on power-plays could provide further findings, especially whether new water polo rules will be applied.”

The corrected sentence appears below:

“Finally, no analysis has been applied for specific power-play actions played without the interruption of a timeout for being highly advantaging situations (e.g., one offensive player against the opponent goal keeper, or primary counterattacks such as 2 vs. 1,

or 3 vs. 2, etc.), and expected as more profitable than 6 (offensive) vs. 5 (defensive) players situations, usually played after a time-out. Conversely, also power-play originating during an offensive transition (i.e., swimming offensive phase toward opponent goal) has not specifically analyzed, despite they could expectable as less profitable than the 6 vs. 5 power-play (usually associated to time-out), being potentially characterized by late power-plays (with less than playing 20 seconds) with a complete offensive arrangement. Therefore, future research focused on the incidence of time-out on power-plays, even considering the above-mentioned specifications, or other power-play aspects (e.g., number of passes, assist side or shot side, etc.) as well as of the action before (leading to the temporary opponent exclusion), could provide further findings, especially whether new water polo rules will be applied.”

In the published article, there was an error. Two citations were missed.

([Barrenetxea-Garcia et al., 2024](#); [Perazzetti et al., 2023b](#)) were not cited in the article. The citations have now been inserted in **Introduction**, line 63.

The corresponding references were added to the References section.

The authors apologize for these errors and state that this does not change the scientific conclusions of the article in any way. The original 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.

## References

Barrenetxea-Garcia, J., Perazzetti, A., Nuell, S., Mielgo-Ayuso, J., de Villarreal, E. S., and Calleja-González, J. (2024). Perceptions and use of recovery strategies in water polo players and coaches: a worldwide survey. *J. Exerc. Rehabil.* 20:112. doi: 10.12965/jer.2448214.107

Perazzetti, A., Dopsaj, M., Nedeljković, A., Mazić, S., and Tessitore, A. (2023b). Survey on coaching philosophies and training methodologies of water polo head coaches from three different European national schools. *Kinesiology* 55, 49–61. doi: 10.26582/k.55.1.6