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## Correction: On the role of visual feedback and physiotherapist-patient interaction in robot-assisted gait training: an eye-tracking and HD-EEG study

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Correction: Journal of NeuroEngineering and Rehabilitation (2024) 21:211 https://doi.org/10.1186/s12984-024-01504-9

In this article [1], Figs. 3, 4, 5 and 6 were wrongly numbered. Figure 3 should have been Fig. 4; Fig. 4 should have been Fig. 5; Fig. 5 should have been Fig. 6 and Fig. 6 should have been Fig. 3. The correct version of the Figs. 3, 4, 5 and 6 with appropriate caption are shown below. The original article has been corrected .

The original article can be found online at https://doi.org/10.1186/s12984-024-01504-9.

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Fig. 3 Pie charts reporting the distribution of the number of fixations (related to SINGLE-FB session) across the three AoIs for each FB type and Pht-Pt interaction level



**Fig. 4** Boxplots reporting results of MANOVA univariate test related to the FB within factor for the ET metrics total duration of fixations (**a**) and number of fixations (**b**) computed in the three AoIs and extracted from SINGLE-FB session. The symbol (\*) indicates statistically significant differences between different levels of FB factor as revealed by Tukey's post-hoc test (p < 0.05)



**Fig. 5** Boxplots reporting results of MANOVA univariate test related to the FB within factor for time to exit saccade metric in monitor Aol (**a**) and for the time to first fixation metric in Pht and surrounding Aols (**b**), both extracted from SINGLE-FB session. The symbol (\*) indicates statistically significant differences between different levels of FB factor as revealed by Tukey's post-hoc test (p < 0.05)



Fig. 6 Boxplots reporting results of MANOVA univariate test related to the FBxIL interaction factor for the ET metrics total duration of fixations in Pht (a) and surrounding (b) Aols. The symbol (\*) indicates statistically significant differences between different levels of FB and IL factors as revealed by Tukey's post-hoc test (p < 0.05)

## Reference

 Patarini F, Tamburella F, Pichiorri F, Mohebban S, Bigioni A, Ranieri A, Tommaso F, Tagliamonte NL, Serratore G, Lorusso M, Ciaramidaro A, Cincotti F, Scivoletto G, Mattia D, Toppi J. On the role of visual feedback and physiotherapist-patient interaction in robot-assisted gait training: J NeuroEng Rehabil. 2024;21:211.

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