CORRECTION

Correction: Age-related changes in gait, balance, and strength parameters: A cross-sectional study

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The image for Fig 3 is incorrect. Please see the correct Fig 3 here.

In Table 1, the data in the columns 3 and 4 for the variable "RMS$(CoP)_{EC/EO}$" and "Path$(CoP)_{EC/EO}$" are incorrect. Please see the correct Table 1 here.

In the Bipedal subsection of the Results, there is an error in the third sentence of the second paragraph. The correct sentence is: The Romberg ratio (Path (CoP)EC/EO) was not related to Age or Sex ($R^2 = 0.09$, $p = 0.21$).

In the Unipedal subsection of the Results, there is an error in the fourth sentence of the paragraph. The correct sentence is: Unipedal standing duration, when normalized, declined at the rate of 21 (s/s) per decade in the non-dominant side ($R2 = 0.38$, $p < 0.001$) and at the rate of 17 (s/s) per decade in the dominant side ($R2 = 0.27$, $p = 0.004$) for both the sexes.

Reference

1. Rezaei A, Bhat SG, Cheng C-H, Pignolo RJ, Lu L, Kaufman KR. Age-related changes in gait, balance, and strength parameters: a cross-sectional study. PLoS One. 2024;19(10):e0310764. https://doi.org/10.1371/journal.pone.0310764 PMID: 39441815

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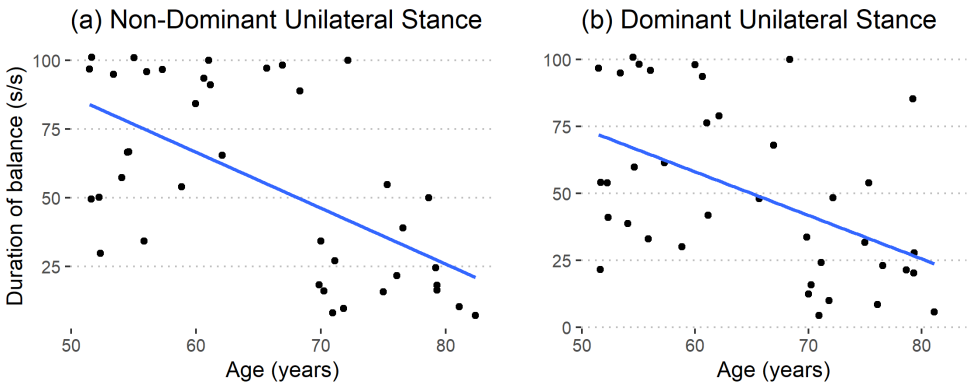

Fig 3. Unipedal standing duration for the (a) non-dominant ($R^2 = 0.38$, $p < 0.001$) and (b) dominant sides ($R^2 = 0.27$, $p = 0.004$).

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Table 1. Scaling techniques for the outcome measures according to Hof [35].

Variable	Definition	Unit	Scaling Parameters
Strength measures			
Dominant grip strength	Maximum dominant side grip strength value out of three trials	Kg	$(M)^{-1}$
Dominant knee strength	Maximum dominant side knee strength value out of three trials	N.m	$(M.g.l_1)^{-1}$
Bipedal standing balance			
$RMS(CoP)_{EO}$	Average standing postural sway with eyes open on both legs	m	$(l_1)^{-1}$
$RMS(CoP)_{EC}$	Average standing postural sway with eyes closed on both legs	m	$(l_1)^{-1}$
$RMS(CoP)_{EC/EO}$	Romberg ratio of the standing postural sway on both legs	–	–
$Path(CoP)_{EC}$	Amount of movement in the CoP with eyes open on both legs	m	$(l_1)^{-1}$
$Path(CoP)_{EO}$	Amount of movement in the CoP with eyes closed on both legs	m	$(l_1)^{-1}$
$Path(CoP)_{EC/EO}$	Romberg ratio of the amount of movement in the CoP when standing on both legs	–	–
Unipedal standing balance			
$RMS(CoP)_{Dominant}$	Average standing postural sway with eyes open on the dominant leg	m	$(l_1)^{-1}$
$RMS(CoP)_{NonDominant}$	Average standing postural sway with eyes open on the non-dominant leg	m	$(l_1)^{-1}$
$Duration(balance)_{Dominant}$	Duration of balance on the dominant leg	sec	$\left(\sqrt{l_1/g}\right)^{-1}$
$Duration(balance)_{NonDominant}$	Duration of balance on the non-dominant leg	sec	$\left(\sqrt{l_1/g}\right)^{-1}$
Gait parameters			
Gait speed	Distance traveled per time unit	$m.sec^{-1}$	$\left(l_1.\sqrt{l_1/g}\right)^{-1}$
Cadence	Number of steps per time unit	sec^{-1}	$\sqrt{l_1/g}$
Stride length	Sagittal distance between successive heel strikes of same foot	m	$(l_1)^{-1}$
Step width	Lateral distance between successive heel strikes of two feet	m	$(l_1)^{-1}$
Gait stability ratio	Cadence divided by gait speed	m^{-1}	l_1
Single support	One foot in touch with the ground	%	–
Double support	Both feet in touch with the ground	%	–
Dynamic gait balance			
$StepLength_{right}$	Distance between two consecutive steps on the right side	m	$(l_2)^{-1}$
$StepLength_{left}$	Distance between two consecutive steps on the left side	m	$(l_2)^{-1}$
DSM_{right}	Shortest distance from the xCoM to the BoS during the gait cycle for the right leg	m	$(l_2)^{-1}$
DSM_{left}	Shortest distance from the xCoM to the BoS during the gait cycle for the left leg	m	$(l_2)^{-1}$

Abbreviations: M: Body mass (units: Kg); l_1: Leg length (units: m); g: gravity (units: $m.s^{-2}$); l_2: Height (units: m).

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