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Correction

Langeskov-Christensen, M., et al. Aerobic Capacity Is Not Associated with Most Cognitive Domains in Patients with Multiple Sclerosis-A Cross-Sectional Investigation. *Journal of Clinical Medicine* 2018, 7, 272

Langeskov-Christensen, Martin; Eskildsen, Søren; Stenager, Egon; Jensen, Henrik Boye; Nielsen, Helle Hvilsted; Petersen, Thor; Hvid, Lars Grøndahl; Hämäläinen, Päivi; Marstrand, Lisbet; Dalgas, Ulrik

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Correction

Correction: Langeskov-Christensen, M., *et al.* Aerobic Capacity Is Not Associated with Most Cognitive Domains in Patients with Multiple Sclerosis—A Cross-Sectional Investigation. *Journal of Clinical Medicine* 2018, 7, 272

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The authors wish to make the following corrections to this paper [1].

The authors have identified a statistical error regarding the number of cognitively impaired patients since incorrect standard deviations of the healthy reference population were unfortunately used when calculating the z-scores of the individual cognitive tests; the correct number of patients categorized as cognitively impaired therefore has to be adjusted from 29 (34.5%) to 37 (44.0%). Due to this error, all affected statistical analyses were performed again. As a consequence of this change, the cognitively impaired group (CI group) no longer had a lower aerobic capacity when compared to the cognitively nonimpaired group (CN group). All other results were unchanged. Hence, this finding is now in line with the overall findings of the regression analyses. Moreover, it has no impact on the conclusions of our paper.

Accordingly,

Table 2. Subject characteristics.

	Total Sample	Range	CI Group	CN Group
Sex (men/women)	35/49		15/14	20/35
Age (years)	44.9 ± 9.4	(23–64)	48.8 ± 8.1	42.9 ± 9.4 *
Height (cm)	173.9 ± 10.0	(154–198)	174.3 ± 10.9	173.7 ± 9.6
Weight (kg)	76.0 ± 16.8	(46–153)	74.3 ± 16.2	77.0 ± 17.2
Fat percent (%)	28.4 ± 9.1	(10–47)	25.7 ± 8.4	29.8 ± 9.3 *
BMI (kg/m ²)	25.0 ± 4.2	(17–39)	24.2 ± 3.8	25.4 ± 4.3
VO ₂ -max (L/min)	2.13 ± 0.6	(0.9–3.6)	1.9 ± 0.7	2.2 ± 0.5 *
Aerobic Capacity (ml O ₂ /min/kg)	28.4 ± 7.3	(11–42)	25.9 ± 6.7	29.7 ± 7.3 *
RER (VCO ₂ /VO ₂)	1.21 ± 0.08	(1.01–1.39)	1.20 ± 0.09	1.21 ± 0.08
HR _{max} (beats/min)	168 ± 15.8	(124–200)	162.7 ± 15.7	171.4 ± 15.1 *
RPE	17.2 ± 1.4	(13–20)	17.0 ± 1.5	17.4 ± 1.3
Education (years)	16.5 ± 2.8	(10–25)	15.1 ± 2.8	17.2 ± 2.5 *
DMT use (yes/no)	69/15		21/8	48/7
EDSS	2.67 ± 1.44	(0–6)	3.2 ± 1.4	2.4 ± 1.4 *
MS type (RR, PP, SP)	73/6/5		24/3/2	49/3/3
Disease duration (years)	9.9 ± 7.1	(0–38)	11.2 ± 8.2	9.3 ± 6.4

Values are means ± SD, (range) or number of subjects. CI: Cognitively impaired, CN Cognitively nonimpaired, VO₂-max: Peak oxygen consumption, RER: Respiratory Exchange Ratio, HR_{max}: Maximal Heart Rate, RPE: Rating of Perceived Exhaustion, DMT: Disease Modifying Treatment EDSS: Expanded Disability Status Scale, RR: Relapsing-Remitting, PP: Primary progressive, SP: Secondary Progressive. * CN significantly different from the CI group.

should be replaced with

Table 2. Subject characteristics.

	Total Sample	Range	CI Group	CN Group
Sex (men/women)	35/49		19/18	16/31
Age (years)	44.9 ± 9.4	(23–64)	47.5 ± 8.8	42.9 ± 9.4 *
Height (cm)	173.9 ± 10.0	(154–198)	174.6 ± 10.9	173.4 ± 9.3
Weight (kg)	76.0 ± 16.8	(46–153)	74.4 ± 14.9	77.3 ± 18.2
Fat percent (%)	28.4 ± 9.1	(10–47)	26.0 ± 8.9	30.3 ± 9.0 *
BMI (kg/m ²)	25.0 ± 4.2	(17–39)	24.3 ± 3.7	25.6 ± 4.5
VO ₂ -max (L/min)	2.13 ± 0.6	(0.9–3.6)	2.0 ± 0.7	2.2 ± 0.6
Aerobic Capacity (ml O ₂ /min/kg)	28.4 ± 7.3	(11–42)	26.9 ± 6.7	29.5 ± 7.6
RER (VCO ₂ /VO ₂)	1.21 ± 0.08	(1.01–1.39)	1.21 ± 0.08	1.21 ± 0.08
HR _{max} (beats/min)	168 ± 15.8	(124–200)	164.6 ± 14.2	171.4 ± 16.5 *
RPE	17.2 ± 1.4	(13–20)	17.1 ± 1.4	17.4 ± 1.4
Education (years)	16.5 ± 2.8	(10–25)	15.2 ± 2.6	17.5 ± 2.5 *
DMT use (yes/no)	69/15		28/9	41/6
EDSS	2.67 ± 1.44	(0–6)	3.1 ± 1.4	2.4 ± 1.4 *
MS type (RR, PP, SP)	73/6/5		31/3/3	42/3/2
Disease duration (years)	9.9 ± 7.1	(0–38)	10.6 ± 8.5	9.4 ± 5.8

Values are means ± SD, (range) or number of subjects. CI: Cognitively impaired, CN Cognitively nonimpaired, VO₂-max: Peak oxygen consumption, RER: Respiratory Exchange Ratio, HR_{max}: Maximal Heart Rate, RPE: Rating of Perceived Exhaustion, DMT: Disease Modifying Treatment EDSS: Expanded Disability Status Scale, RR: Relapsing-Remitting, PP: Primary progressive, SP: Secondary Progressive. * CN significantly different from the CI group.

The authors apologize for any inconvenience caused to the readers by these changes.

Reference

1. Langeskov-Christensen, M.; Eskildsen, S.; Stenager, E.; Boye Jensen, H.; Hvilsted Nielsen, H.; Petersen, T.; Grondahl Hvid, L.; Hamalainen, P.; Marstrand, L.; Dalgas, U. Aerobic capacity is not associated with most cognitive domains in patients with multiple sclerosis—a cross-sectional investigation. *J. Clin. Med.* **2018**, *7*, 272. [[CrossRef](#)] [[PubMed](#)]



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