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# Corrigendum: The Gambian Bone and Muscle Ageing Study: Baseline Data From a Prospective Observational African Sub-Saharan Study

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**Keywords:** bone, ageing, Africa, muscle, dual energy X-ray absorptiometry, non-communicable disease, Gambia

## A corrigendum on

### The Gambian Bone and Muscle Ageing Study: Baseline Data from a Prospective Observational African Sub-Saharan Study

by Zengin A, Fulford AJ, Sawo Y, Jarjou LM, Schoenmakers I, Goldberg G, et al. *Front Endocrinol* (2017) 8:219. doi: 10.3389/fendo.2017.00219

There was a mistake in the values in **Table 4** in the parameters total % fat, android fat mass, gynoid fat mass, aLM, android lean mass, and gynoid lean mass. The correct version of **Table 4** appears below. The authors apologize for the mistake. This error does not change the scientific conclusions of the article.

The nutritional intake data in **Table 2** was incorrectly labeled. The correct version of **Table 2** appears below. We have also edited the interpretation of the data in the Results section from:

Overall, women had higher intakes of all micronutrients. Some notable sex differences include a 21% greater daily habitual calcium intake in women than in men (**Table 2**). The greatest sex difference

**TABLE 2** | Nutritional intake of men and women.

	Men (n = 225) <sup>a</sup>	Women (n = 242) <sup>a</sup>	p-value
Calcium (mg/day)	378.0 ± 176.0	295.9 ± 175.9	<0.0001
Phosphorus (mg/day)	836.4 ± 275.4	620.2 ± 243.4	<0.0001
Iron (mg/day)	37.2 ± 25.8	25.0 ± 16.5	<0.0001
Zinc (mg/day)	9.3 ± 3.0	7.0 ± 2.8	<0.0001
Dietary fibres (mg/day)	44.4 ± 14.2	33.9 ± 12.4	<0.0001
Phytate (g/day)	1.3 ± 0.5	1.0 ± 0.4	<0.0001
Potassium (mg/day)	2,409.0 ± 868.9	1,800.1 ± 705.4	<0.0001
Magnesium (mg/day)	527.3 ± 192.9	388.4 ± 150.4	<0.0001

Values are mean ± SD.

Bold indicates significance.

Dietary intakes were estimated from 2-day weighed diet diaries, and intakes calculated from Gambian food tables.

<sup>a</sup>21 participants did not have dietary information available.

**TABLE 4** | Anthropometry and body composition in women.

	40–44 (n = 28)	45–49 (n = 32)	50–54 (n = 30)	55–59 (n = 31)	60–64 (n = 31)	65–69 (n = 33)	70–74 (n = 30)	75+ (n = 34)	$\beta$ -coefficient (95% CI)	p-value
Weight (kg)	58.1 ± 11.5	60.8 ± 11.4	57.1 ± 10.8	53.8 ± 9.6	53.4 ± 7.2	53.5 ± 9.6	52.2 ± 9.9	49.3 ± 8.5	−0.26 (−0.35, −0.16)	<0.0001
Height (cm)	159.3 ± 5.1	159.8 ± 6.1	158.6 ± 6.2	158.1 ± 5.8	157.6 ± 4.9	160.1 ± 5.7	154.8 ± 5.7	154.0 ± 5.7	−0.14 (−0.20, −0.09)	<0.0001
Sitting height (cm)	81.7 ± 2.8	81.2 ± 3.5	80.4 ± 2.9	79.1 ± 3.8	79.5 ± 3.1	80.2 ± 3.5	77.8 ± 3.3	76.5 ± 3.3	−0.13 (−0.16, −0.09)	<0.0001
Sit:Stand height ratio	0.51 ± 0.02	0.51 ± 0.01	0.51 ± 0.02	0.50 ± 0.02	0.50 ± 0.01	0.50 ± 0.02	0.50 ± 0.02	0.50 ± 0.01	−0.0004 (−0.0005, −0.0002)	<0.0001
BMI	22.9 ± 4.4	23.9 ± 4.4	22.7 ± 4.3	21.4 ± 3.1	21.4 ± 2.3	20.8 ± 3.2	21.7 ± 3.7	20.7 ± 2.8	−0.07 (−0.10, −0.03)	<0.0001
Waist circumference (cm)	70.7 ± 10.1	75.7 ± 9.7	72.0 ± 8.6	70.6 ± 6.6	71.4 ± 6.3 <sup>(n=29)</sup>	71.0 ± 7.1 <sup>(n=29)</sup>	73.3 ± 8.5 <sup>(n=23)</sup>	68.4 ± 5.4 <sup>(n=19)</sup>	−0.06 (−0.14, 0.03)	0.203
Total body fat mass (kg)	18.4 ± 8.7 <sup>(n=27)</sup>	20.7 ± 9.3	18.3 ± 8.3	16.3 ± 6.7 <sup>(n=30)</sup>	16.0 ± 4.8	16.1 ± 6.8	16.4 ± 6.7 <sup>(n=29)</sup>	14.1 ± 5.5 <sup>(n=30)</sup>	−0.12 (−0.20, −0.05)	<b>0.001</b>
Total % fat	30.3 ± 8.1 <sup>(n=27)</sup>	32.5 ± 10.0	30.8 ± 8.7	29.3 ± 8.2 <sup>(n=30)</sup>	29.6 ± 6.0	29.0 ± 7.6	30.4 ± 7.9 <sup>(n=29)</sup>	27.9 ± 7.1 <sup>(n=30)</sup>	−0.07 (−0.15, 0.01)	0.09
Android fat mass (kg)	1.1 ± 0.9 <sup>(n=27)</sup>	1.3 ± 0.8	1.2 ± 0.8	0.9 ± 0.5 <sup>(n=30)</sup>	0.9 ± 0.4	1.0 ± 0.6	1.0 ± 0.6 <sup>(n=29)</sup>	0.8 ± 0.5 <sup>(n=31)</sup>	−0.008 (−0.01, −0.001)	<b>0.02</b>
Gynoid fat mass (kg)	4.1 ± 1.5 <sup>(n=27)</sup>	4.3 ± 1.6	3.9 ± 1.3	3.4 ± 1.2	3.5 ± 1.0	3.4 ± 1.2	3.2 ± 1.1	2.9 ± 1.0 <sup>(n=33)</sup>	−0.03 (−0.04, −0.02)	<0.0001
FMI (kg/m <sup>2</sup> )	7.2 ± 3.4 <sup>(n=27)</sup>	8.1 ± 3.7	7.3 ± 3.4	6.5 ± 2.6 <sup>(n=30)</sup>	6.4 ± 1.8	6.2 ± 2.5	6.9 ± 2.7 <sup>(n=29)</sup>	6.0 ± 2.2 <sup>(n=30)</sup>	−0.04 (−0.07, −0.01)	<b>0.009</b>
Total body lean mass (kg)	36.7 ± 4.1 <sup>(n=27)</sup>	37.0 ± 4.4	35.7 ± 4.0	35.0 ± 4.5 <sup>(n=30)</sup>	34.7 ± 3.6	34.7 ± 3.4	33.4 ± 4.7 <sup>(n=29)</sup>	32.5 ± 4.3 <sup>(n=30)</sup>	−0.11 (−0.16, −0.07)	<0.0001
aLM (kg)	16.9 ± 2.3 <sup>(n=27)</sup>	16.9 ± 2.2	16.1 ± 2.3	15.6 ± 2.3	15.4 ± 2.1	15.3 ± 2.0	14.7 ± 2.4	14.1 ± 2.2	−0.07 (−0.10, −0.05)	<0.0001
Android lean mass (kg)	2.3 ± 0.3 <sup>(n=27)</sup>	2.4 ± 0.4	2.3 ± 0.3	2.2 ± 0.3 <sup>(n=30)</sup>	2.2 ± 0.2	2.2 ± 0.2	2.2 ± 0.4 <sup>(n=29)</sup>	2.2 ± 0.3 <sup>(n=31)</sup>	−0.006 (−0.009, −0.003)	<b>0.001</b>
Gynoid lean mass (kg)	5.2 ± 0.9 <sup>(n=27)</sup>	5.2 ± 0.7	5.0 ± 0.6	4.7 ± 0.8	4.8 ± 0.7	4.8 ± 0.7	4.5 ± 0.7	4.4 ± 0.6 <sup>(n=33)</sup>	−0.02 (−0.03, −0.01)	<0.0001
aLMI (kg/m <sup>2</sup> )	6.6 ± 0.8 <sup>(n=27)</sup>	6.6 ± 0.8	6.4 ± 0.7	6.2 ± 0.6	6.2 ± 0.7	5.9 ± 0.6	6.1 ± 0.8	5.9 ± 0.7	−0.02 (−0.03, −0.01)	<0.0001

Values are mean ± SD.

$\beta$ -coefficients are calculated with age as a continuous variable.

Superscript values indicate the group numbers.

Bold indicates significance.

BMI, body mass index; FMI, fat mass index, calculated as whole body fat mass divided by height squared; aLM, appendicular lean mass; aLMI, appendicular lean mass index, calculated as appendicular lean mass divided by height squared.

was seen in daily habitual iron intake, where women had a 33% greater daily iron intake compared to men. Across the age bands, daily habitual calcium intake [mean (SD)] was 295.9 (175.9) mg/day in men and 378.0 (176.0) mg/day in women (**Table 2**).

To:

Overall, men had higher intakes of all micronutrients. Some notable sex differences include a 21% greater daily habitual calcium intake in men than in women (**Table 2**). The greatest sex

difference was seen in daily habitual iron intake, where men had a 33% greater daily iron intake compared to women. Across the age bands, daily habitual calcium intake [mean (SD)] was 378.0 (176.0) mg/day in men and 295.9 (175.9) mg/day in women (**Table 2**).

This error does not change the scientific conclusions of the article in any way.

The original article has been updated.

**Conflict of Interest Statement:** The authors declare that the research was conducted in the absence of any commercial or financial relationships that could be construed as a potential conflict of interest.

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