


## ERRATUM: Body fat evaluation in Colombian Paso horses: body condition score and morphometric and ultrasound measurements

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Due to author's honest mistake the article "Body fat evaluation in Colombian Paso horses: body condition score and morphometric and ultrasound measurements" (DOI <https://doi.org/10.11606/issn.1678-4456.bjvras.2020.171082>), published in Braz J Vet Res Anim Sci., 2020;57(4):e171082, was published with an error.

On page 1, where the text reads:

6.4 ± 1.1

It should read:

41 ± 11.2

On page 4, where the Table 2 shows:

Table 2 – Morphometric and ultrasound measurements obtained from the study population of Colombian Paso horses (n = 69)

Variable	Mean	Minimum value	Maximum value
Circumference of the neck [cm]	99.1 ± 9.4	61	114
Perimeter of the thorax [cm]	163.7 ± 7.9	138	193
Chest width [cm]	34.2 ± 4.0	24	44
Body length [cm]	154.2 ± 10.9	138	216
Height at the withers [cm]	138.6 ± 3.2	130	148
Weight [kg]	350.7 ± 36.2	268	486
SFT-75% of neck length [mm]	7.5 ± 2.3	2.1	13.4
SFT-lumbar region [mm]	7.0 ± 2.2	3.2	13.2
SFT-gluteal region [mm]	7.1 ± 2.1	3.4	14
Gluteus muscle thickness [mm]	77.3 ± 12.2	42.2	98.9
Body fat percentage	6.4 ± 1.1	4.3	10.1

SFT = Subcutaneous fat thickness.

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SFT-lumbar region [mm]	7.0 ± 2.2	3.2	13.2
SFT-gluteal region [mm]	7.1 ± 2.1	3.4	14
Gluteus muscle thickness [mm]	77.3 ± 12.2	42.2	98.9
Body fat percentage	41 ± 11.2	21.3	79.2

SFT: Subcutaneous fat thickness.

On page 4, where the Table 3 shows:

Table 3 – Mean and standard deviation (SD±) for ultrasound measurements, the circumference of the neck, ultrasound measurements, body fat percentage (BF%), and body mass index (BMI), according to Henneke's body condition score (BCS) in the study population of Colombian Paso horses (n = 69)

Henneke's BCS	Circumference of the neck [cm]	SFT-75% of neck length [mm] <sup>at</sup>	SFT-lumbar region [mm]	SFT-gluteal region [mm] <sup>bt</sup>	BF%	BMI [kg/m <sup>2</sup> ]	n
3/9	90 ± 11	3.7 ± 2.2	4.0 ± 1.1	4.7 ± 1.8	5.0 ± 1.0	157 ± 0.0	2
5/9	87 ± 27	6.1 ± 1.5	5.1 ± 0.1	5.7 ± 0.1	5.6 ± 0.0	171 ± 0.0	2
6/9	93 ± 14	6.6 ± 1.7	6.3 ± 2.0	5.6 ± 1.3	5.5 ± 0.7	172 ± 11	8
7/9	99 ± 7.3	7.5 ± 2.2	7.2 ± 2.2	7.1 ± 1.8	6.3 ± 1.0	178 ± 13	32
8/9	103 ± 6.3	8.1 ± 2.3	7.4 ± 2.2	7.9 ± 2.3	6.8 ± 1.2	194 ± 15	25

BCS = Body condition score; SFT = Subcutaneous fat thickness; BF% = Body fat percentage; BMI = Body mass index. <sup>†</sup>Statistical significance according to ANOVA analysis (p ≤ 0.05); <sup>a</sup>p = 0.0042; <sup>b</sup>p = 0.0127.

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Table 3 – Mean and standard deviation (SD±) for ultrasound measurements, circumference of the neck, ultrasound measurements, body fat percentage (BF%), and body mass index (BMI), according to Henneke's body condition score (BCS) in the study population of Colombian Paso horses (n = 69).

Henneke's BCS	Circumference of the neck [cm]	SFT-75% of neck length [mm] <sup>at</sup>	SFT-lumbar region [mm]	SFT-gluteal region [mm] <sup>bt</sup>	BF%	BMI [kg/m <sup>2</sup> ]	n
3/9	90 ± 11	3.7 ± 2.2	4.0 ± 1.1	4.7 ± 1.8	28 ± 12.7	157 ± 0.0	2
5/9	87 ± 27	6.1 ± 1.5	5.1 ± 0.1	5.7 ± 0.1	34 ± 9.9	171 ± 0.0	2
6/9	93 ± 14	6.6 ± 1.7	6.3 ± 2.0	5.6 ± 1.3	33 ± 11.3	172 ± 11	8
7/9	99 ± 7.3	7.5 ± 2.2	7.2 ± 2.2	7.1 ± 1.8	41 ± 11.4	178 ± 13	32
8/9	103 ± 6.3	8.1 ± 2.3	7.4 ± 2.2	7.9 ± 2.3	46 ± 11.2	194 ± 15	25

BCS: Body condition score; SFT: Subcutaneous fat thickness; BF%: Body fat percentage; BMI: Body mass index. <sup>†</sup>Statistical significance according to ANOVA analysis (p ≤ 0.05); <sup>a</sup>p = 0.0042; <sup>b</sup>p = 0.0127.

On page 5, where the Table 5 shows:

Table 5 – Mean of the calculated values for morphometric measurements, according to gait and gender in the study population of Colombian Paso horses (n = 69)

	GC:HW	NC:HW	BF%
Trot			
Female	1.21	0.71	6.2
Male	1.16	0.74	6.8
Trocha			
Female	1.19	0.69	6.5
Male	1.16	0.73	6.1
Paso Fino			
Female	1.18	0.69	6.2
Male	1.18	0.76	6.3

GC:HW = Girth circumference: height at withers ratio; NC:HW = Neck circumference: height at withers ratio; BF% = Body fat percentage.

It should show:

Table 5 – Mean of the calculated values for morphometric measurements, according to gait and gender in the study population of Colombian Paso horses (n = 69).

	GC:HW	NC:HW	BF%
Trot			
Female	1.21	0.71	40
Male	1.16	0.74	46
Trocha			
Female	1.19	0.69	43
Male	1.16	0.73	39
Paso fino			
Female	1.18	0.69	40
Male	1.18	0.76	41

GC:HW: Girth circumference:height at withers ratio; NC:HW: Neck circumference:height at withers ratio; BF%: Body fat percentage.

On page 5, where the Table 7 shows:

Table 7 – Mean and standard deviation (SD±) of the body fat percentage (BF%) according to the age group in the study population of Colombian Paso horses (n = 69)

Age [years]	BF% mean	Minimum value	Maximum value	n
2 to 6	6.4 ± 1.0	29	66	27
6 to 10	6.4 ± 1.2	21	79	32
>10	6.0 ± 1.3	23	60	10

BF% = Body fat percentage.

It should show:

Table 7 – Mean and standard deviation (SD±) of the body fat percentage (BF%) according to the age group in the study population of Colombian Paso horses (n = 69).

Age [years]	BF% mean	Minimum value	Maximum value	n
2 to 6	44 ± 11.3	29	66	27
6 to 10	39 ± 11.2	21	79	32
>10	38 ± 11.3	23	60	10

BF%: Body fat percentage.

On page 5, where the Table 8 shows:

Table 8 – Mean and standard deviation (SD±) of the body fat percentage (BF%) according to the weight in the study population of Colombian Paso horses (n = 69)

Weight [kg]	BF% mean	Minimum value	Maximum value	n
≤ 300	5.8 ± 0.6	29	43	4
301-350	6.0 ± 0.9	21	66	38
≥ 351	6.9 ± 1.3	27	79	27

BF% = Body fat percentage.

It should show:

Table 8 – Mean and standard deviation (SD±) of the body fat percentage (BF%) according to the weight in the study population of Colombian Paso horses (n = 69).

Weight [kg]	BF% mean	Minimum value	Maximum value	n
≤ 300	35 ± 4.6	29	43	4
301-350	38 ± 11.2	21	66	38
≥ 351	47 ± 11.4	27	79	27

BF%: Body fat percentage.

On page 5, where the Table 9 shows:

Table 9 – Mean and standard deviation (SD±) of the subcutaneous fat thickness (SFT) and the body fat percentage (BF%) according to gender in the study population of Colombian Paso horses (n = 69)

	Females (n=39)	Males (n=30)	p-value*
SFT-75% of neck length	6.83 ± 1.93	8.29 ± 2.41	0.164
SFT-lumbar region	7.16 ± 2.27	6.84 ± 2.13	0.481
SFT-gluteal muscle	7.03 ± 2.16	7.21 ± 1.94	0.221
Gluteus muscle thickness	74.53 ± 12.51	80.94 ± 11.06	0.409
BF%	6.32 ± 1.18	6.41 ± 1.06	0.541

SFT = Subcutaneous fat thickness; BF% = Body fat percentage. \*Statistical significance according to Pearson analysis ( $p \leq 0.05$ ).

It should show:

Table 9 – Mean and standard deviation (SD±) of the subcutaneous fat thickness (SFT) and of the body fat percentage (BF%) according to gender in the study population of Colombian Paso horses (n = 69).

	<b>Females (n=39)</b>	<b>Males (n=30)</b>	<b>p-value*</b>
SFT-75% of neck length	6.83 ± 1.93	8.29 ± 2.41	0.164
SFT-lumbar region	7.16 ± 2.27	6.84 ± 2.13	0.481
SFT-gluteal muscle	7.03 ± 2.16	7.21 ± 1.94	0.221
Gluteus muscle thickness	74.53 ± 12.51	80.94 ± 11.06	0.409
BF%	41 ± 11.3	42 ± 11.2	0.541

SFT: Subcutaneous fat thickness; BF%: Body fat percentage. \*Statistical significance according to Pearson analysis ( $p \leq 0.05$ ).

The authors apologize for the errors.