Correction to: Response to comments on: Perinatal exposure to a glyphosate-based herbicide impairs female reproductive outcomes and induces second-generation adverse effects in Wistar rats

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We report a mistake in the tables published in the original article. In Tables 1 and 2, the random effects mentioned were inaccurate, as they were different from those used for data analysis. We regret this error and the misinterpretations it may have caused, such as the comment by Plewis (2020), where he makes the point that the hierarchical structure of the data should be accounted for. It is noteworthy that our revised analysis (in the original article) was conducted with random intercepts, which were nested where appropriate, to take into account the hierarchical structure of our data, in which observations from some animals were not independent because they shared parents or grandparents. Tables 1 and 2 should be as follows:

Table 1 LMMs describing factors associated with the pre-implantation loss rate in control and GBH-exposed F1 female rats

Term	Coefficients	Standard error	p value
Model = Pre-implantation losses ~ treatment + random effect = ID dam F0			
Intercept	0.07000	0.01952	0.000688***
Treatment (GBH-LD)	0.05533	0.03491	0.118406
Treatment (GBH-HD)	0.09000	0.03671	0.017255*

Asterisks indicate statistical significance compared to the control group, as * $p < 0.05$; *** $p < 0.001$

GBH-LD: GBH-low dose group (2 mg of glyphosate/kg bw/day);
GBH-HD: GBH-high dose group (200 mg of glyphosate/kg bw/day)

To sum up, the results obtained in our re-analysis which are shown in our comment (in the original article) are the definite ones and our conclusions are maintained.

María M. Milesi and Virginia Lorenz contributed equally to this work.

The original article can be found online at <https://doi.org/10.1007/s00204-019-02609-0>.

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Table 2 LMMs describing factors associated with feto-placental parameters of F2 offspring from control and GBH-exposed F1 female rats

Term	Coefficients	Standard error	<i>p</i> value
Fetal weight			
<i>Model = Fetal weight ~ treatment + F2 pup number + random effect = ID dam F0/ID dam F1</i>			
Intercept	1517.534	95.739	1.74e−14***
Treatment (GBH-LD)	−102.316	34.550	0.00816**
Treatment (GBH-HD)	−133.576	39.028	0.00292**
#Number of F2 pups/litter	−17.526	8.167	0.04175*
Fetal length			
<i>Model = Fetal length ~ treatment + F2 pup number + random effect = ID dam F0/ID dam F1</i>			
Intercept	2.597370	0.093025	< 2e−16***
Treatment (GBH-LD)	−0.077174	0.036611	0.056262
Treatment (GBH-HD)	0.184193	0.040528	0.000352***
#Number of F2 pups/litter	−0.012408	0.007914	0.133495
Placental weight			
<i>Model = Placental weight ~ treatment + random effect = ID dam F0/ID dam F1</i>			
Intercept	360.072	11.837	< 2e−16***
Treatment (GBH-LD)	−8.702	17.910	0.6324
Treatment (GBH-HD)	34.445	19.679	0.0952
Placental index			
<i>Model = placental index ~ treatment + random effect = ID dam F0/ID dam F1</i>			
Intercept	0.27660	0.01315	2.14e−14***
Treatment (GBH-LD)	0.01023	0.01991	0.6131
Treatment (GBH-HD)	0.05774	0.02189	0.0159*

Asterisks indicate statistical significance compared to the control group, as **p* < 0.05, ***p* < 0.01, ****p* < 0.001

GBH-LD: GBH-low dose group (2 mg of glyphosate/kg bw/day); GBH-HD: GBH-high dose group (200 mg of glyphosate/kg bw/day). #Confounder factor

Reference

- Plewis I (2020) Comment on response from Milesi et al. to Perinatal exposure to a glyphosate-based herbicide impairs female reproductive outcomes and induces second-generation adverse effects in Wistar rats. Arch Toxicol 94:351–352. <https://doi.org/10.1007/s00204-019-02647-8>

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