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# Corrigendum: Prevalence of iron-deficiency anemia in pregnant women with various thalassemia genotypes: thoughts on iron supplementation in pregnant women with thalassemia genes

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## KEYWORDS

iron-deficiency anemia (IDA), pregnancy, prevalence, iron supplementation, thalassemia

## A corrigendum on

Prevalence of iron-deficiency anemia in pregnant women with various thalassemia genotypes: thoughts on iron supplementation in pregnant women with thalassemia genes

by Wang, M., Zhang, X., Zhao, Y., Zhang, Y., Lin, Y., Xiao, M., and Li, L. (2022). *Front. Nutr.* 9:1005951. doi: 10.3389/fnut.2022.1005951

In the published article, there was an error in the legend for [Table 2](#), “The levels of Hb and PF in APW with or without ID” as published. “=” should be written as “ $\geq$ ”; “PF: the PF levels in APW” should be written as “PF: the PF levels in all APW”. The corrected [Table 2](#) and its legend appears below.

In the published article, there was an error. A correction has been made to the section Results, subsection “Analysis of anemia prevalence and hematological phenotype indexes in pregnant women with various thalassemia genotypes”, paragraph 1. This sentence previously stated:

“The anemia rates of  $\alpha\alpha$ /-SEA,  $-\alpha^{3.7}/-\alpha^{3.7}$ ,  $-\alpha^{3.7}/-\alpha^{4.2}$ , and  $-\alpha^{4.2}/-\alpha^{4.2}$  ranged from 35.96 to 37.82% ( $P < 0.05$ ).”

The corrected sentence appears below:

“The anemia rates of  $\alpha\alpha$ /-SEA,  $-\alpha^{3.7}/-\alpha^{3.7}$ ,  $-\alpha^{3.7}/-\alpha^{4.2}$ , and  $-\alpha^{4.2}/-\alpha^{4.2}$  ranged from 35.96 to 37.82% ( $P > 0.05$ ).”

A correction has been made to the section Discussion, subsection “Analysis of anemia prevalence and hematological phenotype indexes of pregnant women with various thalassemia genotypes”, paragraph 1. This sentence previously stated:

“The anemia rate among carriers of  $\alpha\alpha$ / $-\alpha^{SEA}$ ,  $-\alpha^{3.7}/-\alpha^{3.7}$ ,  $-\alpha^{4.2}/-\alpha^{4.2}$ , and  $-\alpha^{3.7}/-\alpha^{4.2}$  ranged from 35.96 to 37.82% ( $P < 0.05$ ), and no significant differences were observed in Hb levels among those genotypes.”

The corrected sentence appears below:

“The anemia rate among carriers of  $\alpha\alpha$ / $-\alpha^{SEA}$ ,  $-\alpha^{3.7}/-\alpha^{3.7}$ ,  $-\alpha^{4.2}/-\alpha^{4.2}$ , and  $-\alpha^{3.7}/-\alpha^{4.2}$  ranged from 35.96 to 37.82% ( $P > 0.05$ ), and no significant differences were observed in Hb levels among those genotypes.”

A correction has been made to the section Discussion, subsection “Prevalence of iron deficiency in anemic pregnant women with various genotypes of thalassemia”, paragraph 1. This sentence previously stated:

“Although there is no large sample, multicenter randomized controlled study that has yet confirmed the need for routine iron supplementation in PW with thalassemia minor genotypes, we suggest that the iron load of APW with  $\beta$ -thalassemia minor genotypes should be monitored dynamically during iron supplementation”

The corrected sentence appears below:

“Although there is no large sample, multicenter randomized controlled study that has yet confirmed the need for routine iron supplementation in PW with thalassemia minor genotypes, we suggest that the ferritin levels of APW with  $\beta$ -thalassemia minor genotypes should be monitored dynamically during iron supplementation”

The authors apologize for these errors and state that this does not change the scientific conclusions of the article in any way. The original article has been updated.

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TABLE 2 The levels of Hb and PF in APW with or without ID.

Genotype	Hb <sup>PF &lt; 30</sup> (g/L)		Hb <sup>PF ≥ 30</sup> (g/L)		t	p	PF* (ng/mL)	PF (ng/mL)
	Mean ± SD	n	Mean ± SD	n			Mean ± SD	Median, (P <sub>25</sub> ; P <sub>75</sub> )
Normal	97.1 ± 11.0	160	102.6 ± 8.7	23	2.294	< 0.05	91.91 ± 64.40 <sup>a</sup>	11.70, (8.40; 17.60)
−α <sup>3.7</sup> (or 4.2)/αα	98.7 ± 9.2	49	105.1 ± 4.2	36	4.275	< 0.01	82.09 ± 46.62 <sup>a</sup>	18.20, (8.71; 57.80) <sup>a,c</sup>
α <sup>CS(or QS)</sup> α/αα	/	2	/	3	/	/	/	32.00, (9.37; 45.30) <sup>a</sup>
α <sup>WS</sup> α/αα	95.1 ± 14.6	14	/	4	/	/	/	13.25, (8.43; 28.33) <sup>a,c</sup>
αα/−SEA	99.6 ± 7.6	45	103.7 ± 4.8	56	3.181	< 0.01	96.82 ± 55.65 <sup>a</sup>	34.10, (17.10; 90.60) <sup>a,b,d</sup>
−α <sup>3.7</sup> (or 4.2)/−α <sup>3.7</sup> (or 4.2)	98.5 ± 9.1	16	101.6 ± 7.4	24	1.196	> 0.05	99.26 ± 81.13 <sup>a</sup>	38.40, (15.40; 87.40) <sup>a,b</sup>
α <sup>CS(or QS)</sup> α/−α <sup>3.7</sup> (or 4.2)	/	2	100.9 ± 4.9	9	/	/	135.90 ± 82.67	79.10, (30.80; 237.00) <sup>b</sup>
α <sup>WS</sup> α/−α <sup>3.7</sup> (or 4.2)	99.8 ± 8.2	16	/	3	/	/	/	13.80, (9.98; 20.90) <sup>a,c</sup>
α <sup>WS</sup> α/α <sup>WS</sup> α	/	2	/	0	/	/	/	/
α <sup>QS</sup> α/α <sup>QS</sup> α	/	0	/	1	/	/	/	/
−α <sup>3.7</sup> (or 4.2)/−SEA	/	0	88.27 ± 7.2	22	/	/	283.2 ± 131.3	270.90, (186.30; 353.00) <sup>b</sup>
α <sup>CS</sup> α/−SEA	/	0	/	1	/	/	/	/
α <sup>WS</sup> α/−SEA	/	1	99.80 ± 5.4	5	/	/	187.6 ± 129.6	95.65, (70.73; 317.80) <sup>b</sup>
β <sup>T4</sup> /β	94.9 ± 8.1	14	99.50 ± 6.9	115	2.325	< 0.05	122.9 ± 72.71 <sup>a</sup>	95.45, (53.05; 140.90) <sup>b</sup>
β <sup>−28(A &gt; G)</sup> /β	/	2	103.70 ± 4.1	18	/	/	119.00 ± 75.21 <sup>a</sup>	80.15, (52.00; 188.50) <sup>b</sup>
β <sup>CD26(GAG &gt; AAG)</sup> /β	/	0	/	1	/	/	/	/

Hb<sup>PF < 30</sup>: The Hb levels in APW with ID (PF < 30 ng/mL). Hb<sup>PF ≥ 30</sup>: the Hb levels in APW without ID (PF ≥ 30 ng/mL). PF\*: the PF levels in APW without ID (PF ≥ 30 ng/mL). PF: the PF levels in all APW. −α<sup>3.7</sup>(or 4.2)/αα, −α<sup>3.7</sup>/αα and −α<sup>4.2</sup>/αα were combined into one group. α<sup>CS(or QS)</sup>α/αα, α<sup>CS</sup>α/αα and α<sup>QS</sup>α/αα were combined into one group. −α<sup>3.7</sup>(or 4.2)/−α<sup>3.7</sup>(or 4.2); −α<sup>3.7</sup>/−α<sup>3.7</sup>, −α<sup>3.7</sup>/−α<sup>4.2</sup>, and −α<sup>4.2</sup>/−α<sup>4.2</sup> were combined into one group. α<sup>CS(or QS)</sup>α/−α<sup>3.7</sup>(or 4.2); α<sup>CS</sup>α/−α<sup>3.7</sup>, α<sup>CS</sup>α/−α<sup>4.2</sup>, α<sup>QS</sup>α/−α<sup>3.7</sup>, and α<sup>QS</sup>α/−α<sup>4.2</sup> were combined into one group. α<sup>WS</sup>α/−α<sup>3.7</sup>(or 4.2); α<sup>WS</sup>α/−α<sup>3.7</sup>, and α<sup>WS</sup>α/−α<sup>4.2</sup> were combined into one group. −α<sup>3.7</sup>(or 4.2)/−SEA; −α<sup>3.7</sup>/−SEA, and −α<sup>4.2</sup>/−SEA were combined into one group. β<sup>T4</sup>/β; β<sup>IVS-II-654(C > T)</sup>/β, β<sup>CD41/42(-TTCT)</sup>/β, β<sup>CD17(A > T)</sup>/β, and β<sup>CD71/72(+A)</sup>/β were combined into one group. <sup>a</sup>P < 0.05 vs. the group of −α<sup>3.7</sup>(or 4.2)/−SEA. <sup>b</sup>P < 0.05 vs. the Normal group. <sup>c</sup>P < 0.05 vs. the groups of β<sup>T4</sup>/β and β<sup>−28(A > G)</sup>/β. <sup>d</sup>P < 0.05 vs. the group of β<sup>T4</sup>/β. /: statistical analysis was performed when the sample size was greater than 5. Hb, hemoglobin; PF, plasma ferritin; APW, anemic pregnant women; ID, iron deficiency.