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RECEIVED 13 October 2024 ACCEPTED 24 October 2024 PUBLISHED 05 November 2024

CITATION

Tang H, Yang X, Li Z, Zhang Y, Chen H, Dai M and Shao C (2024) Corrigendum: Association between female infertility and stroke mortality: evidence from the PLCO cancer screening trial. *Front. Endocrinol.* 15:1510810. doi: 10.3389/fendo.2024.1510810

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Corrigendum: Association between female infertility and stroke mortality: evidence from the PLCO cancer screening trial

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KEYWORDS

infertility, stroke, mortality, female, long-term impact

A Corrigendum on

Association between female infertility and stroke mortality: evidence from the PLCO cancer screening trial

By Tang H, Yang X, Li Z, Zhang Y, Chen H, Dai M and Shao C (2024). *Front. Endocrinol.* 15:1433930. doi: 10.3389/fendo.2024.1433930

In the published article, there was an error in **Table 1** and **Figure 3** as published. The terms 'Former' and 'Current' were inadvertently transposed within the smoking status category. The corrected **Table 1** and **Figure 3** and its caption appear below.

The authors apologize for this error 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 1 Baseline characteristics of the subjects by the history of infertility at baseline.

Sample size 64,774 (85.47) 11.004 (14.53) 0.368 Age (year) 62 (58,67) 62 (57,67) 0.368 Race 0.001 0.001 White 57,190 (88.29) 9,978 (90.68) 0.001 Other * 7,584 (11.71) 1,026 (9.32) 0.001 Ever married or living with partner 62,138 (96.07) 10,974 (99.85) 0.001 Never married 2,543 (3.93) 16 (01.5) 0.001 Missing 93 14 0.0001 Under university 30,899 (47.66) 4,706 (42.84) 0.0001 At least university 33,836 (52.34) 6,280 (57.16) 0.001 Missing 129 18 0.001 Never 36,215 (55.91) 5,956 (54.13) 0.001 Never 36,215 (55.91) 5,956 (54.13) 0.001 Never 36,215 (55.91) 3,994 (36.30) 0.001 Body mass index (kg/m²) 0 0.001 Missing 5 0 0.001 Underweight or normal 26	Characteristic	Unexposed n, % or Mean (IQR)	Infertility n, % or Mean (IQR)	p value
Race .0010 White 57,190 (88.29) 9978 (90.68)	Sample size	64,774 (85.47)		
White 57,190 (88.39) 9978 (90.68) Image: Content of the content of	Age (year)	62 (58, 67)	62 (57, 67)	0.368
Other " 7.584 (11.71) 1.026 (9.32) Condition Marital status (-0.001) <0.001	Race			<0.001
Marital status Ca.001 Ever married or living with partner 62.138 (96.07) 10.974 (99.85) Never married 2.543 (393) 16 (0.15) Missing 93 14 Education level	White	57,190 (88.29)	9,978 (90.68)	
Ever married or living with partner 62,138 (96.07) 10,974 (99.85) (10.15) Never married 2,543 (3.93) 16 (0.15) (10.00) Missing 93 14 (10.00) Education level	Other #	7,584 (11.71)	1,026 (9.32)	
Never married 2,543 (3,93) 16 (0.15) ————————————————————————————————————	Marital status			<0.001
Missing 93 14 Education level <0.001	Ever married or living with partner	62,138 (96.07)	10,974 (99.85)	
Education level < <0.001	Never married	2,543 (3.93)	16 (0.15)	
Under university 30,809 (47.66) 4,706 (42.84) At least university 33,836 (52.34) 6,280 (57.16) Missing 129 18 Smoking status <0.001	Missing	93	14	
At least university 33,836 (52,34) 6,280 (57,16)	Education level			<0.001
Missing 129 18 <0.001	Under university	30,809 (47.66)	4,706 (42.84)	
Smoking status < 0.001	At least university	33,836 (52.34)	6,280 (57.16)	
Never 36,215 (55,91) 5,956 (54,13) Current 6,296 (9,72) 1,054 (9,58) Former 22,258 (34,37) 3,994 (36,30) Missing 5 0 Body mass index (kg/m²) 0.001 Underweight or normal 26,219 (41,04) 4,627 (42,54) Overweight 21,954 (34,36) 3,734 (34,33) Obesity 15,715 (24,60) 2,516 (23,13) Missing 886 127 Hypertension 0.525 No 42,516 (65,98) 7,258 (66,29) Yes 21,924 (34,02) 3,691 (33,71) Missing 334 55 Heart attack 0.186 No 61,303 (95,20) 10,381 (94,91)	Missing	129	18	
Current 6,296 (9.72) 1,054 (9.58) Former 22,258 (34.37) 3,994 (36.30) Missing 5 0 Body mass index (kg/m²) 0.001 Underweight or normal 26,219 (41.04) 4,627 (42.54) Overweight 21,954 (34.36) 3,734 (34.33) Obesity 15,715 (24.60) 2,516 (23.13) Missing 886 127 Hypertension 0.525 No 42,516 (65.98) 7,258 (66.29) Yes 21,924 (34.02) 3,691 (33.71) Missing 334 55 Heart attack 0.186 No 61,303 (95.20) 10,381 (94.91)	Smoking status			<0.001
Former 22,258 (34.37) 3,994 (36.30) Missing 5 0 0 0.001 Body mass index (kg/m²) 0.001 Underweight or normal 26,219 (41.04) 4,627 (42.54) Overweight 21,954 (34.36) 3,734 (34.33) Obesity 15,715 (24.60) 2,516 (23.13) Missing 886 127 Hypertension 0.525 No 42,516 (65.98) 7,258 (66.29) Yes 21,924 (34.02) 3,691 (33.71) Missing 334 55 Heart attack 0.186 No 61,303 (95.20) 10,381 (94.91)	Never	36,215 (55.91)	5,956 (54.13)	
Missing 5 0 Body mass index (kg/m²) 0.001 Underweight or normal 26,219 (41.04) 4,627 (42.54) Overweight 21,954 (34.36) 3,734 (34.33) Obesity 15,715 (24.60) 2,516 (23.13) Missing 886 127 Hypertension 0.525 No 42,516 (65.98) 7,258 (66.29) Yes 21,924 (34.02) 3,691 (33.71) Missing 334 55 Heart attack 0.186 No 61,303 (95.20) 10,381 (94.91)	Current	6,296 (9.72)	1,054 (9.58)	
Body mass index (kg/m²)	Former	22,258 (34.37)	3,994 (36.30)	
Underweight or normal 26,219 (41.04) 4,627 (42.54) Overweight 21,954 (34.36) 3,734 (34.33) Obesity 15,715 (24.60) 2,516 (23.13) Missing 886 127 Hypertension 0.525 No 42,516 (65.98) 7,258 (66.29) Yes 21,924 (34.02) 3,691 (33.71) Missing 334 55 Heart attack 0.186 No 61,303 (95.20) 10,381 (94.91)	Missing	5	0	
Overweight 21,954 (34.36) 3,734 (34.33) Obesity 15,715 (24.60) 2,516 (23.13) Missing 886 127 Hypertension 0.525 No 42,516 (65.98) 7,258 (66.29) Yes 21,924 (34.02) 3,691 (33.71) Missing 334 55 Heart attack 0.186 No 61,303 (95.20) 10,381 (94.91)	Body mass index (kg/m²)			0.001
Obesity 15,715 (24.60) 2,516 (23.13) Missing 886 127 Hypertension 0.525 No 42,516 (65.98) 7,258 (66.29) Yes 21,924 (34.02) 3,691 (33.71) Missing 334 55 Heart attack 0.186 No 61,303 (95.20) 10,381 (94.91)	Underweight or normal	26,219 (41.04)	4,627 (42.54)	
Missing 886 127 Hypertension 0.525 No 42,516 (65.98) 7,258 (66.29) Yes 21,924 (34.02) 3,691 (33.71) Missing 334 55 Heart attack 0.186 No 61,303 (95.20) 10,381 (94.91)	Overweight	21,954 (34.36)	3,734 (34.33)	
Hypertension 0.525 No 42,516 (65.98) 7,258 (66.29) Yes 21,924 (34.02) 3,691 (33.71) Missing 334 55 Heart attack 0.186 No 61,303 (95.20) 10,381 (94.91)	Obesity	15,715 (24.60)	2,516 (23.13)	
No 42,516 (65.98) 7,258 (66.29) Yes 21,924 (34.02) 3,691 (33.71) Missing 334 55 Heart attack 0.186 No 61,303 (95.20) 10,381 (94.91)	Missing	886	127	
Yes 21,924 (34.02) 3,691 (33.71) Missing 334 55 Heart attack 0.186 No 61,303 (95.20) 10,381 (94.91)	Hypertension			0.525
Missing 334 55 Heart attack 0.186 No 61,303 (95.20) 10,381 (94.91)	No	42,516 (65.98)	7,258 (66.29)	
Heart attack 0.186 No 61,303 (95.20) 10,381 (94.91)	Yes	21,924 (34.02)	3,691 (33.71)	
No 61,303 (95.20) 10,381 (94.91)	Missing	334	55	
	Heart attack			0.186
V 2000 (100)	No	61,303 (95.20)	10,381 (94.91)	
res 3,090 (4.80) 557 (5.09)	Yes	3,090 (4.80)	557 (5.09)	
Missing 381 66	Missing	381	66	
Diabetes mellitus 0.063	Diabetes mellitus			0.063
No 60,343 (93.66) 10,201 (93.19)	No	60,343 (93.66)	10,201 (93.19)	
Yes 4,082 (6.34) 745 (6.81)	Yes	4,082 (6.34)	745 (6.81)	
Missing 349 58	Missing	349	58	
Birth control pill use <0.001	Birth control pill use			<0.001
No 29,239 (45.17) 5,399 (49.11)	No	29,239 (45.17)	5,399 (49.11)	
Yes 35,493 (54.83) 5,594 (50.89)	Yes	35,493 (54.83)	5,594 (50.89)	

(Continued)

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TABLE 1 Continued

Characteristic	Unexposed n, % or Mean (IQR)	Infertility n, % or Mean (IQR)	p value
Missing	42	11	
Hormone replacement therapy			<0.001
No	22,050 (34.21)	3,282 (29.97)	
Yes	42,408 (65.79)	7,668 (70.03)	
Missing	316	54	
Endometriosis			<0.001
No	57,220 (92.76)	8,878 (84.71)	
Yes	4,464 (7.24)	1,602 (15.29)	
Missing	3,090	524	
First menstrual period (year)			0.003
≤11	13,026 (20.14)	2,381 (21.67)	
12-13	34,862 (53.91)	5,797 (52.75)	
≥14	16,779 (25.95)	2,812 (25.58)	
Missing	107	14	
Pregnancy history			<0.001
No	4,036 (6.23)	1,629 (14.88)	
Yes	60,698 (93.77)	9,321 (85.12)	
Missing	40	54	

Continuous variables are presented as median (IQR, interquartile range), while categorical variables are presented as counts or percentages. Other includes Black, Hispanic, Asian, Pacific Islander, American Indian.

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	Number of Events/ Subjects			Unadjusted		_	Adjusted		
Subgroups	No infertility	Infertility		HR (95% CI)	p value		HR (95% CI)	p valu	
Age level (years)			1			1			
<65	310/41,859	62/7,031	⊢	1.20 (0.91 - 1.58)	0.191	H-1	1.21 (0.90 - 1.62)	0.217	
≥65	648/ 22,915	134/ 3,973		1.19 (0.99 - 1.43)	0.070		1.20 (0.98 - 1.46)	0.082	
Race									
White	817/ 57,190	171/ 9,978	⊢	1.21 (1.02 - 1.42)	0.025	←■	1.18 (0.99 - 1.41)	0.065	
Other	141/7,584	25/ 1,026	-	- 1.27 (0.83 - 1.94)	0.272	-	→ 1.38 (0.87 - 2.18)	0.174	
Marital status									
Ever married or living with partner	922/ 62,138	196/ 10,974	⊢ ■	1.21 (1.03 - 1.41)	0.017		1.19 (1.01 - 1.41)	0.038	
Never married	33/ 2543	0/ 16		NA			NA		
Education level									
Under university	506/ 30,809	105/ 4,706	⊢	1.36 (1.10 - 1.68)	0.004	⊢	1.35 (1.08 - 1.70)	0.009	
At least university	448/ 33,836	90/ 6,280		1.10 (0.88 - 1.38)	0.421		1.07 (0.84 - 1.37)	0.583	
Smoking status									
Never	522/ 36,215	106/ 5,956		1.24 (1.01 - 1.53)	0.042	-	1.22 (0.97 - 1.54)	0.081	
Current	115/ 6,296	23/ 1,054	-	1.21 (0.78 - 1.90)	0.396	-	→ 1.22 (0.74 - 2.01)	0.427	
Former	321/22,258	67/ 3,994	 	1.16 (0.89 - 1.51)	0.274		1.16 (0.87 - 1.53)	0.313	
Body mass index (kg/m²)									
Underweight or normal	418/ 26,219	94/ 4,627		1.28 (1.02 - 1.60)	0.031	H =	1.22 (0.95 - 1.55)	0.117	
Overweight	282/ 21,954	57/ 3,734	-	1.20 (0.90 - 1.59)	0.217	-	1.24 (0.92 - 1.68)	0.163	
Obesity	235/ 15,715	41/ 2,516		1.10 (0.79 - 1.53)	0.583	-	1.14 (0.81 - 1.62)	0.447	
Birth control pills									
No	578/ 29,239	129/ 5,399	-	1.21 (1.00 - 1.47)	0.050	-	1.23 (1.00 - 1.52)	0.049	
Yes	377/ 35,493	67/ 5,594	-	1.14 (0.88 - 1.47)	0.340	-	1.14 (0.86 - 1.51)	0.356	
Hormone replacement therapy									
No	417/ 22,050	77/ 3,282	-	1.24 (0.97 - 1.58)	0.083	-	1.21 (0.93 - 1.58)	0.152	
Yes	533/ 42,408	118/ 7,668		1.23 (1.01 - 1.50)	0.040	-	1.20 (0.96 - 1.48)	0.105	
Endometriosis									
No	842/ 57,220	155/ 8,878		1.19 (1.00 - 1.41)	0.050	H	1.15 (0.96 - 1.37)	0.138	
Yes	53/ 4,464	29/ 1,602		→ 1.56 (0.99 - 2.45)	0.054	-	→ 1.71 (1.07 - 2.74)	0.026	
First menstrual period									
≤11	166/ 13,026	30/ 2,381	-	0.99 (0.67 - 1.46)	0.948	-	0.98 (0.64 - 1.50)	0.923	
12-13	494/ 34,862	95/ 5,797	-	1.16 (0.93 - 1.44)	0.186	-	1.14 (0.90 - 1.44)	0.279	
≥14	296/ 16,779	70/ 2,812		1.42 (1.09 - 1.84)	0.008		1.41 (1.06 - 1.88)	0.017	
Pregnancy history				,			. ,		
No	52/ 4,036	31/ 1,629		→ 1.51 (0.97 - 2.36)	0.068		→ 1.57 (0.90 - 2.75)	0.116	
Yes	904/ 60,698	165/ 9,321	⊢	1.19 (1.01 - 1.40)	0.041	-	1.17 (0.98 - 1.39)	0.085	
			0.5 1	2		0.5 1	2		
			Low risk High risk	→		Low risk High risk	→		

FIGURE 3

Subgroup analysis and forest plot for stroke-cause mortality in women with and without infertility. This forest plot shows the number of deaths and subjects, unadjusted and adjusted hazard ratios (HR) with 95% confidence interval (CI), according to baseline characteristics. Hazard ratios were adjusted for age, race, marital status, education level, smoking status, body mass index, history of hypertension, history of heart attack, history of diabetes mellitus, birth control pill use, hormone replacement therapy, endometriosis, first menstrual period and pregnancy history. NA, not available.