

Correction

Correction: A Liquid Chromatography-Mass Spectrometry Method for the Simultaneous Measurement of 15 Urinary Estrogens and Estrogen Metabolites: Assay Reproducibility and Interindividual Variability

In this article (1), which was published in the December 2008 issue of *Cancer Epidemiology, Biomarkers & Prevention*, the percentages in Table 1 are incorrect. The corrected table follows.

Table 1. Geometric mean concentrations, percentages of total EM, and rank order of 15 urinary estrogens and estrogen metabolites by menstrual/sex group

EM	Premenopausal women						Postmenopausal women			Men		
	Follicular phase (n = 10)			Luteal phase (n = 10)			(n = 15)			(n = 10)		
	Mean	(%)	Rank	Mean	(%)	Rank	Mean	(%)	Rank	Mean	(%)	Rank
E ₁	7,064	18.0	3	7,694	17.5	2	1,507	15.9	3	1,753	17.2	2
E ₂	3,623	9.2	4	5,234	11.9	4	758	8.0	5	1,028	10.1	4
Catechol estrogens												
2-OHE ₁	7,683	19.6	1	6,482	14.7	3	1,673	17.7	2	1,539	15.1	3
2-OHE ₂	1,264	3.2	10	1,294	2.9	10	434	4.6	8	356	3.5	7
4-OHE ₁	1,579	4.0	9	2,002	4.6	7	548	5.8	6	264	2.6	9
16 α pathway												
16 α -OHE ₁	2,115	5.4	7	1,971	4.5	8	290	3.1	10	257	2.5	10
17-epiE ₃	401	1.0	11	285	0.6	13	135	1.4	14	104	1.0	12
E ₃	7,319	18.6	2	10,177	23.2	1	1,844	19.5	1	2,675	26.2	1
16-ketoE	3,002	7.6	5	3,628	8.3	5	769	8.1	4	917	9.0	5
16-epiE ₃	2,310	5.9	6	1,940	4.4	9	416	4.4	9	756	7.4	6
Methoxy estrogens												
2-MeOE ₁	1,995	5.1	8	2,349	5.3	6	548	5.8	6	311	3.0	8
2-MeOE ₂	293	0.7	12	334	0.8	11	138	1.5	13	30	0.3	15
3-MeOE ₁	213	0.5	14	198	0.5	14	165	1.7	12	77	0.8	13
4-MeOE ₁	292	0.7	13	292	0.7	12	182	1.9	11	107	1.0	11
4-MeOE ₂ *	94	0.2	15	81	0.2	15	66	0.7	15	41	0.4	14
Total EM [†]	46,822			51,737			11,283			11,781		

NOTE: Mean concentrations are expressed as pg EM/mg creatinine. The percentages of total EM were calculated from arithmetic means using actual measurement, not logarithmically transformed data. For each group, percentages sum to 100.

*4-MeOE₂ concentrations were below the detection limit for three men.

[†]Geometric mean of total EM was not equal to the sum of the geometric means of individual EMs.

Reference

1. Falk RT, Xu X, Keefer L, Veenstra TD, Ziegler RG. A liquid chromatography-mass spectrometry method for the simultaneous measurement of 15 urinary estrogens and estrogen metabolites: assay reproducibility and interindividual variability. *Cancer Epidemiol Biomarkers Prev* 2008;17:3411-8.

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doi: 10.1158/1055-9965.EPI-09-1223