

Hair cortisol as a hypothalamus-pituitary-adrenal axis biomarker in pregnant women with asthma: a retrospective observational study

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Table S1. Correlations for hair cortisol concentrations with potential confounders.*

	Controls					No ICS					ICS Treated				
	PC	T1	T2	T3	PP	PC	T1	T2	T3	PP	PC	T1	T2	T3	PP
Segment length	-0.248 0.194 29	. . 30	-0.279 0.176 25	-0.257 0.446 11	0.738 0.262 4	. . 29	-0.283 0.129 30	-0.155 0.492 22	-0.102 0.795 9	. . 3	. . 50	-0.079 0.571 54	-0.112 0.502 38	-0.446 0.055 19	-0.166 0.647 10
Hair sample age	-0.317 0.094 29	-0.376 0.04 30	-0.392 0.053 25	-0.082 0.811 11	0.8 0.2 4	-0.201 0.295 29	-0.268 0.152 30	-0.393 0.071 22	-0.833 0.005 9	-1 . 3	-0.244 0.088 50	-0.381 0.005 54	-0.367 0.023 38	-0.458 0.049 19	-0.455 0.187 10
Pregnant BMI	-0.325 0.085 29	-0.131 0.491 30	-0.112 0.593 25	-0.497 0.12 11	-0.8 0.2 4	0.069 0.755 23	-0.015 0.944 24	0.12 0.646 17	-0.143 0.76 7	1 . 2	0.303 0.065 38	0.214 0.184 40	0.15 0.437 29	0.174 0.553 14	0.2 0.747 5
Pre-pregnancy BMI	-0.19 0.323 29	-0.014 0.941 30	-0.147 0.483 25	-0.664 0.026 11	-0.8 0.2 4	0.196 0.37 23	0.149 0.488 24	0.24 0.353 17	0.286 0.535 7	1 . 2	0.429 0.006 39	0.382 0.014 41	0.246 0.198 29	0.216 0.459 14	0.3 0.624 5
PSS score	0.123 0.559 25	0.241 0.246 25	0.081 0.72 22	-0.546 0.102 10	-0.4 0.6 4	0.563 0.146 8	0.707 0.05 8	0.371 0.468 6	-0.3 0.624 5	-1 . 2	-0.103 0.667 20	0.042 0.853 22	0.153 0.571 16	0.021 0.948 12	0.1 0.873 5
No. of hair washes per week	-0.333 0.077 29	-0.277 0.138 30	-0.276 0.181 25	0.038 0.911 11	0.738 0.262 4	0.178 0.428 22	0.257 0.236 23	0.395 0.13 16	0.698 0.081 7	. . 2	-0.033 0.842 39	-0.027 0.867 41	0.051 0.791 29	-0.194 0.526 13	-0.1 0.873 5
No. days since last washing	0.365 0.056 28	0.175 0.374 28	0.03 0.885 25	0.103 0.763 11	0.775 0.225 4	-0.019 0.935 21	0.139 0.538 22	0.201 0.473 15	0.37 0.47 6	-1 . 2	0.062 0.727 34	0.01 0.955 36	-0.085 0.687 25	-0.259 0.416 12	-0.224 0.718 5
Chemical treatment ^b	-0.168 0.383 29	-0.171 0.365 30	-0.171 0.413 25	-0.331 0.320 11	-0.327 0.673 4	-0.318 0.130 24	-0.267 0.197 25	-0.152 0.547 18	-0.404 0.321 8	-0.983 0.116 3	-0.129 0.403 44	0.161 0.286 46	0.071 0.704 31	-0.108 0.714 14	-0.554 0.333 5

PC = preconception, T1 = first trimester, T2 = second trimester, T3 = third trimester, PP = postpartum, BMI = body mass index, PSS = perceived stress scale.

*Results listed top to bottom are the correlation coefficient, p-value^a, and *n*.

^ap-values are not adjusted for multiple comparisons.

^bColor or relaxer. All hair cortisol concentrations were natural log transformed and outliers were removed to normalize the data (which was unsuccessful for the ICS Treated PC results) in order to perform the point biserial correlation.