

Supplementary Materials: Influence of Occupational and Environmental Exposure to Low Concentrations of Polychlorobiphenyls and a Smoking Habit on the Urinary Excretion of Corticosteroid Hormones

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Table S1. Urinary concentrations of 17-KS in exposed subjects and controls subdivided by smoking habit.

17-KS (mg/L)	Smokers (N = 20)			Non Smokers + Ex Smokers (N = 36)		
	Mean ± SD	Median	Range	Mean ± SD	Median	Range
Total ^a	9.80 ± 4.42	9.27	2.15–17.49	7.21 ± 4.01	6.46	1.38–21.85
Glucuronides ^b	7.30 ± 4.03	6.48	1.24–15.48	4.47 ± 3.39	4.03	0.16–17.68
Sulfonates	2.50 ± 2.12	1.65	0.18–9.21	2.74 ± 1.60	2.65	0.15–7.36
Androsterone ^a	3.66 ± 1.68	3.58	0.66–6.09	2.83 ± 1.66	2.68	0.74–10.30
Glucuronide ^a	2.79 ± 1.65	2.48	0.37–6.09	1.77 ± 1.47	1.44	0.06–7.71
Sulfonate	0.87 ± 0.92	0.52	0–3.92	1.06 ± 0.58	0.99	0–2.59
Etiocolanolone ^b	2.99 ± 1.55	2.68	0.63–6.67	1.79 ± 0.85	1.78	0.24–3.32
Glucuronide ^c	2.66 ± 1.41	2.32	0.48–5.81	1.43 ± 0.85	1.52	0.05–3.09
Sulfonate	0.33 ± 0.48	0.18	0–2.04	0.36 ± 0.30	0.27	0.0–1.23
DHEA	0.31 ± 0.46	0.09	0.01–1.63	0.16 ± 0.31	0.06	0.01–1.74
Glucuronide ^a	0.11 ± 0.12	0.06	0.01–0.43	0.05 ± 0.07	0.03	<0.01–0.32
Sulfonate	0.20 ± 0.35	0.04	0–1.25	0.11 ± 0.26	0.03	0–1.42
11-hydroxyandrosterone	2.00 ± 0.85	1.98	0.40–3.74	1.86 ± 1.55	1.47	0.17–8.84
Glucuronide ^a	1.06 ± 0.80	0.82	0.06–3.02	0.79 ± 1.00	0.56	0.01–4.47
Sulfonate	0.94 ± 0.59	0.83	0.02–2.32	1.07 ± 0.92	0.85	0–5.00
11-ketoandrosterone ^b	0.11 ± 0.07	0.09	0.03–0.26	0.09 ± 0.15	0.05	0.01–0.76
Glucuronide ^a	0.07 ± 0.6	0.04	0.01–0.20	0.04 ± 0.06	0.02	<0.01–0.36
Sulfonate	0.04 ± 0.04	0.03	0–0.14	0.05 ± 0.13	0.01	0–0.75
11-ketoetiocholanolone ^a	0.75 ± 0.39	0.72	0.09–1.42	0.53 ± 0.52	0.38	0.05–2.73
Glucuronide ^b	0.62 ± 0.38	0.56	0.06–1.40	0.40 ± 0.48	0.24	0.01–2.73
Sulfonate	0.13 ± 0.20	0.01	0–0.74	0.13 ± 0.21	0.08	0–1.13

17-KS: 17-ketosteroids; DHEA: dehydroepiandrosterone; ^a p ≤ 0.05; ^b p ≤ 0.01; ^c p ≤ 0.001.

Table S2. Urinary concentrations of pregnanes in exposed subjects and controls subdivided by smoking habit.

PREGNANES (mg/L)	Smokers (N = 20)			Non Smokers + Ex Smokers (N = 36)		
	Mean ± SD	Median	Range	Mean ± SD	Median	Range
Total ^b	2.73 ± 1.41	2.56	0.69–5.64	1.84 ± 1.08	1.66	0.22–4.66
Glucuronides ^b	2.07 ± 1.30	1.68	0.50–5.26	1.19 ± 0.94	1.05	0.09–4.35
Sulfonates	0.66 ± 0.46	0.56	0.02–1.68	0.64 ± 0.39	0.55	0.12–2.19
Pregnanediol ^b	0.46 ± 0.33	0.32	0.12–0.34	0.24 ± 0.15	0.21	0.04–0.70
Glucuronide ^b	0.40 ± 0.31	0.28	0.10–1.28	0.18 ± 0.13	0.16	0.02–0.62
Sulfonate	0.06 ± 0.05	0.04	0–0.19	0.06 ± 0.05	0.04	0–0.20
α-pregnaneadiol	0.14 ± 0.14	0.11	0.01–0.60	0.10 ± 0.11	0.06	0.01–0.61
Glucuronide	0.09 ± 0.07	0.06	0.01–0.21	0.07 ± 0.06	0.05	0.01–0.26
Sulfonate	0.05 ± 0.10	0.02	0–0.39	0.03 ± 0.06	0.01	0–0.35
α-d5-pregnaneadiol ^a	0.55 ± 0.41	0.49	0.06–1.90	0.35 ± 0.36	0.19	0.01–1.56
Glucuronide ^b	0.47 ± 0.39	0.39	0.04–1.90	0.27 ± 0.31	0.15	0.01–1.29
Sulfonate	0.08 ± 0.09	0.06	0–0.39	0.08 ± 0.14	0.04	0–0.77
d5-pregnaneadiol ^a	0.16 ± 0.09	0.15	0.03–0.32	0.11 ± 0.08	0.11	0.01–0.33
Glucuronide ^a	0.08 ± 0.05	0.08	0.01–0.19	0.06 ± 0.05	0.04	<0.01–0.18
Sulfonate	0.08 ± 0.05	0.08	0.0–0.15	0.05 ± 0.05	0.03	0–0.22
Pregnanetriol	1.10 ± 0.57	1.10	0.18–2.26	0.80 ± 0.45	0.70	0.09–1.65
Glucuronide ^a	0.80 ± 0.58	0.70	0.14–1.98	0.46 ± 0.41	0.38	0.01–1.65
Sulfonate	0.30 ± 0.27	0.20	0–0.90	0.33 ± 0.22	0.29	0–1.02
d5-pregnanetriol	0.14 ± 0.17	0.12	0.01–0.80	0.08 ± 0.09	0.05	0.01–0.32
Glucuronide	0.14 ± 0.17	0.12	0.01–0.80	0.08 ± 0.09	0.05	0.01–0.32
Sulfonate	-	-	-	-	-	-
Pregnanetriolone	0.22 ± 0.15	0.19	0.01–0.55	0.20 ± 0.16	0.16	0.01–0.72
Glucuronide	0.12 ± 0.09	0.10	0.01–0.45	0.10 ± 0.13	0.05	0.01–0.72
Sulfonate	0.11 ± 0.10	0.10	0–0.36	0.10 ± 0.09	0.10	0–0.38

^a p < 0.05; ^b p ≤ 0.01.

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