

SUPPORTING INFORMATION

“Thyroid endocrine status and biochemical stress responses in adult male Wistar rats chronically exposed to pristine polystyrene nanoplastics”

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S1: Table A

Turkey's multiple comparison of thyroid hormone levels, their ratios and TSH in Rats orally administered with PS NPs (6 animals in

	T3	T4	FT3	FT4	T3/T4	FT3/FT4	TSH
PS NPs	(ng/ml)	(ng/ml)	(pg/ml)	(pg/ml)	-	-	(m IU/ml)
Dose (mg/kg/day)							
0	1.37±0.06 ^a	51.25±5.41 ^a	2.66±0.04 ^a	34±1.14 ^a	0.03±0.03 ^a	0.61±0.09 ^{ab}	3.93±0.14 ^{ab}
1	1.29±0.06 ^a	37.75±9.42 ^a	2.14±0.03 ^b	25.6±0.6 ^b	0.04±0.04 ^b	0.84±0.1 ^{abc}	3.55±0.54 ^a
3	1.22±0.04 ^a	52.49±5.49 ^a	1.67±0.08 ^c	29.6±1.34 ^b	0.03±0.03 ^a	0.57±0.07 ^a	5.27±0.41 ^{bc}
6	1.22±0.04 ^a	50.15±5.3 ^a	2.33±0.11 ^b	25.8±0.69 ^b	0.03±0.03 ^a	0.91±0.11 ^{bc}	3.83±0.4 ^{ab}
10	1.15±0.06 ^a	51.46±7.07 ^a	0.92±0.07 ^d	8.4±0.79 ^c	0.03±0.03 ^a	1.13±0.13 ^c	5.64±0.36 ^c

each group). Results are expressed as means ± SEM *

* Different letters for the significances demonstrate that there are significant differences among groups ($p < 0.05$).

S2: Table B

Turkey's multiple comparison of biochemical parameters. Rats orally administered with PS NPs compared to the control group (6

	LDL	HDL	Cholesterol	Creatinine	GOT	GPT
PS NPs	(mg/dl)	(mg/dl)	(mg/dl)	(m IU/ml)	(U/L)	(U/L)
Dose (mg/kg/day)						
0	21.68±0.66 ^a	56.75±1.8 ^a	40.38±4.54 ^a	0.68±0.01 ^a	171.25±2.36 ^a	43.88±1.23 ^{ab}
1	22.20±1 ^a	48.25±7.16 ^a	56.50±0.55 ^b	0.73±0.02 ^a	172.5±3.57 ^a	41.0±0.91 ^a
3	44.83±4.4 ^b	20.25±1.11 ^c	60.00±2.18 ^b	0.73±0.02 ^a	173.75±1.38 ^a	47.25±0.43 ^{bc}
6	56.73±1.7± ^c	18.50±0.65 ^c	65.88±1.08 ^{bc}	0.88±0.05 ^b	189.75±6.12 ^b	48.88±0.94 ^c
10	58.00±1.67 ^c	18.00±1.29 ^c	75.13±3.54 ^c	1.00±0.05 ^b	193.25±3.07 ^b	52.88±0.83 ^d

animals in each group). Results are expressed as means ± SEM *

*Different letters for the significances demonstrate that there are significant differences among groups ($p < 0.05$).