

Supplementary Materials

Table S1. Showing non-enzymatic antioxidant content, Hydrogen peroxide-H₂O₂, Nitric oxide and Acetylcholinesterase activities in the different treatment groups. Superscript (x) shows significance difference ($P < 0.05$) of vanadium exposure relative to control and ZA-II-05 treated group. NPT (Non-protein thiol).

Parameter	Groups				
	CONTROL	VANADIUM	VAN.+ZA.	WITHDRAWAL	ZA-II-05
AchE					
(mmole of substrate/min/mg/protein)	28.00±2.62	346.31±32.57 ^x	44.58±4.54	259.74±13.34	20.00±6.49
THIOL					
(nmoles/mg/protein)	28.14±2.10	22.08±1.01	25.06±4.68	23.82±1.10	28.62±6.72
NPT					
(nmoles/mg protein)	31.82±5.88	23.45±2.28	29.06±3.80	32.24±5.91	26.98±5.89
VIT. C					
(nmoles/mg protein)	0.18±0.02	0.162±0.01	0.20±0.04 ^x	0.16±0.02	0.17±0.02
H₂O₂					
(mmole H ₂ O ₂ /min/mg/protein)	43.73±2.40	46.02±0.29	39.30±4.17	38.89±2.67	39.15±3.49
NO					
(μmole/mg protein)	0.32±0.02	0.38±0.04	0.32±0.03 ^x	0.32±0.03	0.34±0.03

Profile of brain antioxidant enzymes, vitamin C, total thiol (PT), and non-protein thiol (NPT) levels in mice exposed to vanadium and ZA-II-05.