

Amelioration of Titanium Dioxide nanoparticles induced injury on the cerebellum of the adult mice by a hydromethanolic root extract of *Withania Somnifera*

In this article which has been published on V.41 No.4 Decemebr 2018, the following tables and histogram are missing.

Table 1: Mean and SD of number of the Purkinje cells / 10000 mm² area of the Purkinje cell layer

Group	Mean	SD	Versus	P
Control	23	±0.73		
TiO ₂ nanoparticles group	6.5*	±2.26	Any of the other studied groups	< 0.01
TiO ₂ nanoparticles + WS root extract group	21.5**	±0.51	Control	< 0.05

* statistically significant difference

** highly statistically significant difference

Table 2: Mean and SD of astrocyte number / 20000 μm²

Group	Mean	SD	Versus	P
Control	16.3	±1.68		
TiO ₂ nanoparticles group	35.4*	±1.46	Any of the other studied groups	< 0.01
TiO ₂ nanoparticles + WS root extract group	18.4**	±2.47	Control	< 0.05

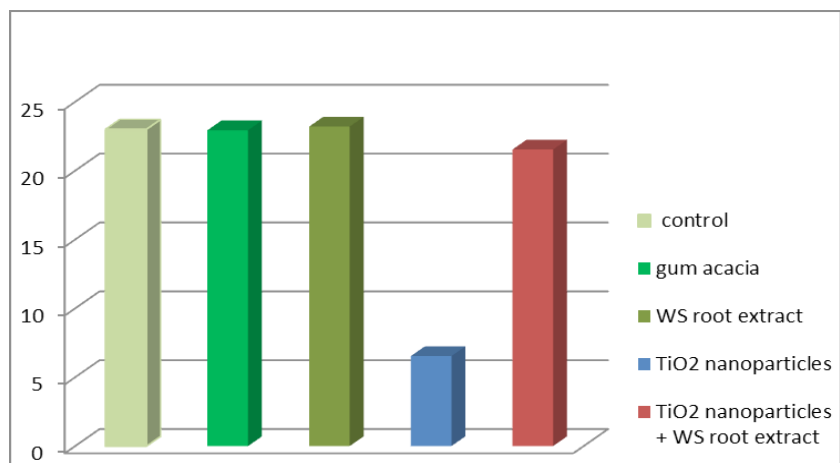
* statistically significant difference

** highly statistically significant difference

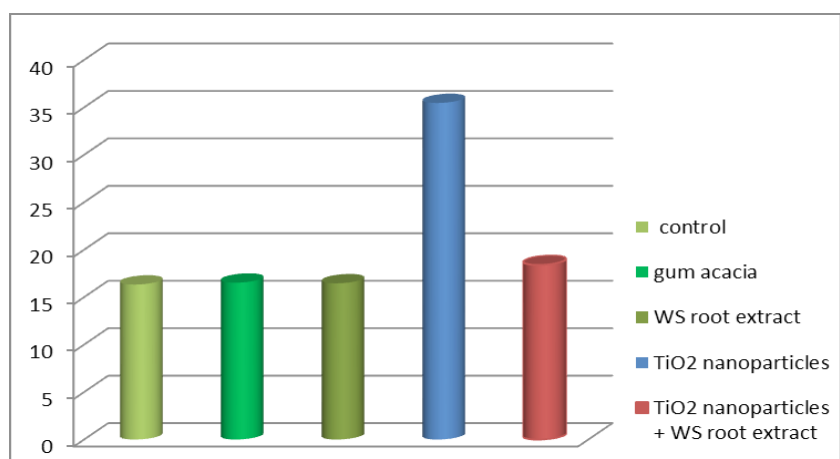
Table 3: Mean and SD of number the nNOS and iNOS positive Purkinje cells

Groups	nNOS	iNOS
Control	15±0.8	3±1.73
TiO ₂ nanoparticles group	7±0.4 ^a	14±2.26 ^a
TiO ₂ nanoparticles + WS root extract group	12±6 ^b	6±1.51 ^b

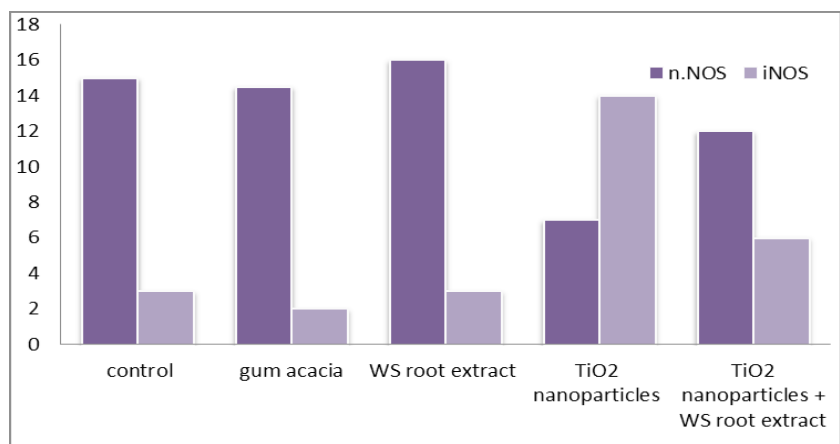
Data are expressed as mean ± SD. a Significantly different from control group, b significantly from TiO₂ nanoparticles group



Histogram 1: means of the Purkinje cells in studied groups



Histogram 2: means of astrocytes cells in studied groups



Histogram 3: means of the nNOS and iNOS positive Purkinje cells in studied groups

REFERENCE

Nermeen Mohammed Faheem and Amgad Gaber Elsaid. Amelioration of Titanium Dioxide nanoparticles induced injury on the cerebellum of the adult mice by a hydromethanolic root extract of *Withania Somnifera*. *Egyptian Journal of Histology*. 2018; V.41 No. 4: 398 - 410. 10.21608/ejh.2019.46233