

Table (1): Treatment and dosage of the experimental groups

Group	Treatment	Dose
1 (negative control)	- NaCl (0.9%)	- 1ml/kg/day
2 (positive control)	- Nicotine	- 1mg/kg/day
3	- Nicotine	- 1mg/kg/day
	- N-acetyl-L-Lcysteine	- 100 mg/kg/day
4	- Nicotine	- 1mg/kg/day
	- N-acetyl-L-Lcysteine	- 200 mg/kg/day

Table (2): Effects of nicotine on serum levels total antioxidant, testosterone, FSH, LH and sperm count

Parameter	Normal rats (Negative control)	Nicotine treated rats (Positive control)
Serum total antioxidant level:		
- Mean \pm SD	1.89 \pm 0.11	0.40 \pm 0.09*
- Median	1.94	0.37
Serum testosterone level:		
- Mean \pm SD	6.75 \pm 0.88	2.87 \pm 1.04*
- Median	6.45	3.04
Serum FSH level:		
- Mean \pm SD	6.15 \pm 0.49	5.20 \pm 0.82
- Median	6.11	5.32
Serum LH level:		
- Mean \pm SD	5.43 \pm 0.37	3.46 \pm 0.92*
- Median	5.44	3.16
Sperm count (millions)	26x10 ⁶ \pm 7.9x10 ⁶	84.6x10 ⁶ \pm 9.2x10 ⁶ *