

Table 1: Histological changes' scoring for brain tissues among different groups.

Group	Prefrontal cortex	Hippocampus
Control	0	0
Doxorubicin (4 mg/kg) + Cyclophosphamide (40 mg/kg)	3	2
Doxorubicin + Cyclophosphamide + L-carnitine (150 mg/kg)	3	1
Doxorubicin + Cyclophosphamide + L-carnitine (300 mg/kg)	1	1
L-carnitine (300 mg/kg)	0	0

Effect of L-carnitine on chemobrain induced by Doxorubicin and Cyclophosphamide in rats. Doxorubicin (4 mg/kg) and Cyclophosphamide (40 mg/kg) were administered IV, once weekly for 3 weeks. L-carnitine was administered once daily, 5 days per week for 3 weeks in doses of 150 mg/kg and 300 mg/kg. Scorings of histopathological changes were determined in terms of nuclear pyknosis, degeneration in neurons, focal gliosis, and encephalomalacia where;

0: indicates normal histological structure (no damage).

1: indicates mild damage.

2: indicates moderate damage.

3: indicates severe damage.