

Figure 1) The mean serum glucose level in the studied groups in four weeks (the difference between all groups were significant)

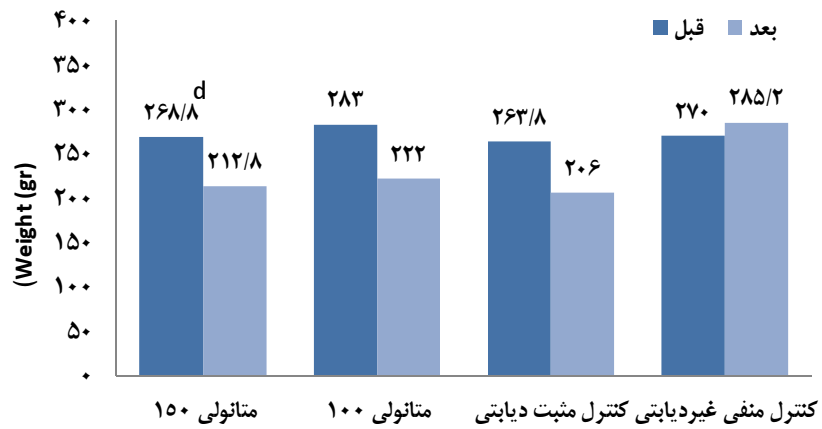


Figure 2) The mean weight of rats in the studied groups at the beginning and the end of the period (a: a significant difference with the methanolic extract group 150; significant difference with methanolic extract group 100; c: significant statistical difference with the diabetic positive control group; d: statistical significant difference with the non-diabetic negative control group)

Table 1) Mean comparison of biochemical indices in the four studied groups

150 mg /kg of Extract Group	100 mg/kg of Extract Group	Diabetic Positive Control Group	Non-Diabetic Negative Control Group
Cholesterol (mg/dl)			
66.43±6.19c	72.17±12.59c	110.00±20.27abd	64.60±1.82c
HDL (mg/dl)			
30.83±2.79d	37.80±4.82cd	23.80±4.21bd	50.80±15.72abc
Carbonyl Protein (nanomol per milligram)			
5.54±0.60c	7.61±1.08c	28.61±4.38 abd	5.27±0.88 c
Malondialdehyde (µM/dl)			
0.280±0.025bc	0.406±0.030acd	0.898±0.063abd	0.267±0.067bc
Paraoxonase Enzyme (µunit/l)			
163.92±18.80c	142.34±38.31c	101.73±32.65abd	168.26±0.39

a: significant statistical difference with methanolic extract group 150; b: significant statistical significant difference with methhonalic group 100; significant statistical significant difference with the diabetic positive control group; d: statistical significant difference with the non-diabetic negative control group