

Table (1): Effect of different *Phoenix dactylifera* extracts repeated administration of different extracts for 65 day on body weight gain (g) in rats.

Weight gain in gram after	Groups									LSD	
	Control (I)	Alc. Pollen (II)	Aq. Pollen (III)	Alc. Leaves (IV)	Aq.leaves (V)	Alc. Fruits (VI)	Aq.fruits (VII)	Alc. Pits (VIII)	Aq.pits (IX)	at 5% level	at 1% level
2 nd week	8.0±0.57	10.0 ±0.42	23.0± 1.73**	11.0 ± 1.16*	12.3± 1.73**	36.2± 3.46**	12.0± 1.15**	13.7± 1.2**	11.0±1.23*	2.816	3.857
4 ^h week	9.0 ±1.22	10.0 ±1.62	27.0±2.3**	27.3±2.75**	15.5±0.57*	25.1±2.76**	19.6±1.19**	26.4±2.3**	38.8±4.37**	5.433	7.44
6 th week	7.0± 0.58	33.5 ± 1.15**	32.0 ±1.42**	14.2±1.72*	32.2±2.7**	46.9± 1.72**	15.0± 1.13**	14.0± 2.64*	33.0± 2.31**	5.835	7.994
8 th week	19.9 ± 0.57	42.4 ± 1.15**	27 ± 2.68**	35.57± 2.2**	30.4± 2.8**	26.0± 3.78**	45.7± 1.7**	50.6± 2.2**	25.0 2.78**	2.402	3.291
9 th week	10.3 ± 0.63	16.1± 1.19**	24.6± 2.1**	29.4± 2.3**	17.0± 4. 4**	16.0±1.89**	15.7± 1.7**	27.2± 3. 6**	36.5± 1.55**	3.52	4.82

Table (2): Effect of different *Phoenix dactylifera* extracts on semen picture, hormones and some biochemical parameters in male albino rats. (n=5).

parameter	Groups									LSD	
	Control (I)	Alc. Pollen (II)	watery Pollen (III)	Alc. Leaves (IV)	watery leaves (V)	Alc. Fruits (VI)	watery fruits (VII)	Alc. Pits (VIII)	watery pits (IX)	at 5 % level	at 1 % level
Sperm Motility%	74.8 ± 0.49	76.6± 0.68*	78.2± 0.58**	73.8± 0.58	74.6 ± 0.51	74.2± 0.61	76.6 ± 0.4*	73.2 ± 0.32	76.8± 0.97*	1.72	2.31
Sperm Count x10 ⁶ /epididymis	196.2± 3.26	235 ± 5.22**	248.6± 3.71**	206.8± 6.34	190.8± 1.69	194.08± 3.41	230.6± 4.53**	208.08± 3.22	238 ± 6.52**	12.9	17.4
Sperm Live %	86.8± 1.89	91.8±1 .44**	92.6± 1.70**	87.6± 0.75	90.2± 1.02	89± 1.64	91.8± 0.71**	89.6± 0.81	92.4± 1.06**	3.50	4.65
Sperm Abnormalities%	4.60± 0.295	3.60± 0.342*	2.40± 0.255**	1.20± 0.119**	2.80± 0.283*	4.0± 0.354	3.70± 0.467*	4.70± 0.361	4.20± 0.255	0.912	1.288
FSH (iu/ml)	3 ± 0.116	6± 1.16*	7.5 ± 0.224**	4.5 ± 0.866	3± 0.577	3 ± 0.115	6.1 ± 0.866*	4.5 ± 0.577	6.7± 1.2**	2.23	3.05
LH (iu/ml)	2.8 ± 0.116	3.45 ± 0.087*	3.6 ± 0.058**	3.3 ± 0.173	2.5 ± 0.289	2.7± 0.404	3.45 ± 0.231*	3.3 ± 0.115	3.45 ± 0.288*	0.601	0.8
Testosterone (ng/ml)	1.13 ± 0.35	1.6 ± 0.58*	4.2 ± 0.56**	1.3 ± 0.43	1.2 ± 0.48	1.3 ± 0.55	3.7 ± 0.51**	1.9 ± 0.48**	2 ± 0.49**	0.385	0.527
ALT (U/L)	43.7 ± 4.37	48 ± 6.03	48.3 ± 5.67	52 ± 5.69	34.3± 1.86	27.7± 1.76*	27.3± 1.2*	37.7± 4.84	52.3± 7.06	14.05	19.24
Creatinine	0.97± 0.033	1.07± 0.033	1.03± 0.067	0.93± 0.033	0.87± 0.033	0.9± 0.58	0.83± 0.07	0.87± 0.033	0.9± 0.58	0.144	0.197

Table (3): Effect of different *Phoenix dactylifera* extracts on weight of sex organs in male albino rats. (n=5).

Organs (wt. (g))	Groups									LSD	
	Control (I)	Alc. Pollen (II)	Aq. Pollen (III)	Alc. Leaves (IV)	Aq.leaves (V)	Alc. Fruits (VI)	Aq.fruits (VII)	Alc. Pits (VIII)	Aq.pits (IX)	at 5% level	at 1% level
Testis	1.397 ± 0.011	1.52 ± 0.035**	1.53 ± 0.01**	1.439 ± 0.004*	1.397 ± 0.092	1.36 ± 0.009	1.439 ± 0.008*	1.44 ± 0.009*	1.445 ± 0.009**	0.041	0.056
Epididymis	0.478 ± 0.017	0.513 ± 0.009*	0.518 ± 0.005**	0.54 ± 0.007**	0.504 ± 0.008	0.478 ± 0.086	0.51 ± 0.01*	0.526 ± 0.006**	0.533 ± 0.005**	0.027	0.037
Seminal Vesicle	1.42 ± 0.021	1.58 ± 0.028**	1.963 ±0.04**	1.53 ± 0.04*	1.44 ± 0.053	1.405 ± 0.039	1.59 ± 0.044**	1.36 ± 0.015**	1.695 ± 0.032**	0.105	0.142
prostate	0.592 ± 0.062	0.693 ± 0.014**	0.847 ± 0.019**	0.8 ± 0.01**	0.61 ± 0.019	0.55 ± 0.007	0.66 ± 0.018*	0.625 ± 0.014	0.646 ± 0.2*	0.053	0.071

