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28 (/ 6) (6-5)
(/ 250)
28

Effect of Oak Leaves Bioled Extract on Some Physiological and Biochemical Parameters in Local Male Rabbits

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ABSTRACT

This study was conducted to investigate the effect of boiled extract of oak (*Quercus aegilops*) leaves on blood glucose, cholesterol levels, total count of leuko cyte, erythrocyte and haemoglobin concentration in male rabbits. The animals were divided into 2 groups of six animals each. The first group was treated daily for 28 days with oak leaves boiled extract (250 mg/kg B. wt.) orally. The second group treated with distilled water served as control. The results showed

that treatment with oak leaves boiled extract caused a significant decrease in blood glucose and cholesterol levels as compared with the control group. The results also showed a significant increase in the total white blood cells count.

(Mugola, 1988)

700 (Gonzalez *et al.*, 1992)

(Day, 1990)

(Lupton *et al.*, 1996) (Paterson, 1993)

(Fernandez *et al.*, 1996) Vanillic acid Ellagic acid Gallic acid

(Abdul-Rahman *et al.*, 2001)

(Fagaceae) *Quercus aegilops*

(2000)

(%30.08) (%53.6) (%7.72)

(1997)

(25) (2.5) (8)

4 / (250)

6) (6-5)

(/ 3) (/

...

: 28

(785) :

. (gavage needle) / 2 (/ 250)

/ 2 (810) :

(RANDOX, United Kingdom)

(BioMerieux, France)

.(Jain, 1986)

Duncan test

. (Steel and Torrie, 1980) (p<0.01)

. (1)

:1

(100/)	(100/)	
3.77 ± 187.65	9.90 ± 101.40	
4.66 ± 42.17	7.12 ± 65.02	250)
		28 (/

6 = / . ± :

. (p<0.01)

Tannic

(Fernandez *et al.*, 1996)

(Nastis and Malechek, 1981)

(%8.7)

acid

. (Day *et al.*, 1990)

. (Abdul-Rahman *et al.*, 2001)

()

(Ahmed *et al.*, 1994)

.(Abdul-Rahman *et al.*, 2001)

)

.(2

:2

100/	/	/	
0.43 ± 10.98	0.19 ± 5.08	292 ± 9465	
0.88 ± 11.00	0.20 ± 5.97	114 ± 9933	/ 250) 28 (

...

. 6= / . ± -

. (p<0.01)

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(Paterson, 1993)

hypocholesterolemic

hypoglycemic

. 1997

. () .

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