

(NJC)**(Received on 9/3/2008)****(Accepted for publication 16/7/2008)**

(15)
 (20 - 25) (2 - 2.5)
 (B) (A)
 (D) (C)
 . (C , E) (E)
 (B)
 (B ,E) (A)
 (A) (B,D)
 -S - (D)
 . (A) (B, C, D, E)
 . (B ,D , E)

Abstract

This study included the effect of intake of some lipids on the antioxidant at (15) white male mice their ages between (2 – 2.5 month) , weights between (20 – 25 gm) . They divided into five groups which takes provender.

Group (A) as a control which takes a typical provender , group (B) takes olive oil with it , group (C) takes acorn oil with it group (D) takes an animal fat with it and group (E) takes an animal with it and vitamin C & E , after two weeks slays the animal and collect their blood to carry out the serum.

The results indicate a higher increase for total fats concentration for group (B) as a compared with its concentration in group (A). A high enzyme activity detected for arylesterase for each (B,E) groups and the concentration of malonaldehyde for (B , D) groups as a compared with (A) group, as well as low enzyme activity detected for arylesterase with (D) group and low enzyme activity for glutathione - S - transferase and glutathione concentration , as well as the activity of catalase for each (B,C,D,E) groups as compared with (A) group. The result shows an increased for animal weighs after consuming lipids to (B,E,D) groups.

The final results detected that all kinds of lipid which used in this research shows an effect on the antioxidant activity on the experimental animals.

(12)

-

(GST) -S (1 2 3)
(13)

(15) ⁽¹⁴⁾ و ⁽¹⁵⁾ A ,C, E (4 5)

(6)

(15 16)

E,C (7)
E,C (7)

(8)

E,C (9)

(10 11)

(12 7)

E	15%	(100) C	(100)	(1)
حسب الطريقة		الموضحة في (17)	(20)	(15) (3) Male Albino mice (2.0-2.5)
-S-		(18)	. 1	(- 25)
(19)			. 2	
(20)			. 3	
(21)			. 4	
(22)			. 5	
(23)			. 6	(A) . 1
				(B) . 2
		15 7		.15% (C) . 3
T-Test				.15% (D) . 4
				.15% (E) . 5

-S-

(GST)

E (P< 0.5)
A
E , C
(15 16)

(P< 0.5)
A C D
(26)

-S-

(1)
B , C , D , E
A
P< 0.)
B D,E (1
(P< 0.5) C

-S-

(24)

(P< 0.5)
P< 0.)
A B, C
D (1
(3)

-S-

(2)

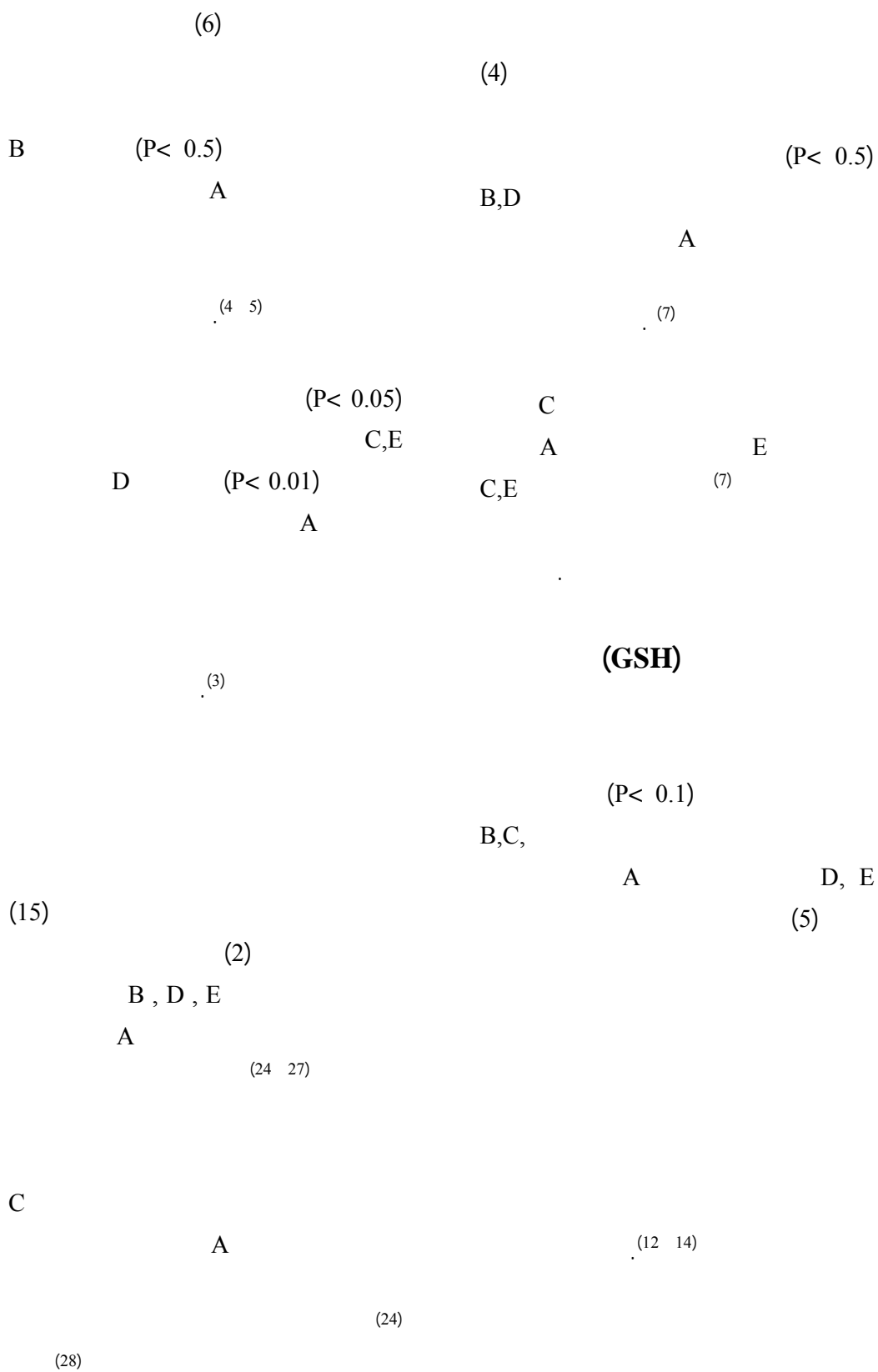
(P< 0.01)
A B
(7)

(5)

(2)

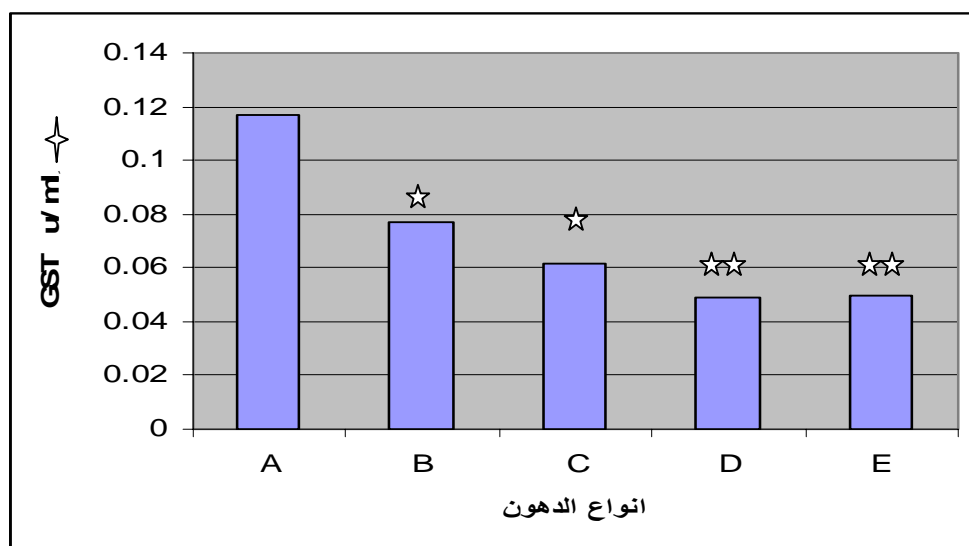
A E LDL
C, E HDL
(13)

(7)
HDL
(1 25)



(1)

(25 /)		
8.125	32.5	
5.000	20.0	
6.250	25.0	
2.500	10.0	
0.375	1.5	
2.500	10.0	
0.250	1.0	



☆ Significant at $P < 0.5$, ☆☆ Significant at $P < 0.1$

(U) : هي كمية الانزيم التي تعمل على تحويل مايكومول واحد من مادة الاساس

الى المادة الناتجة في الدقيقة الواحدة

D

C

B

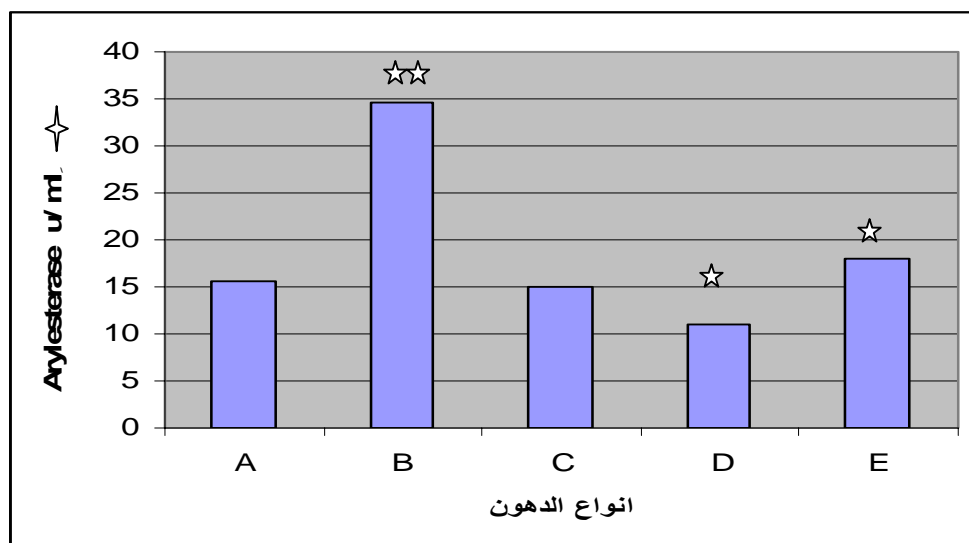
A

C, E

E

-S-

(1)

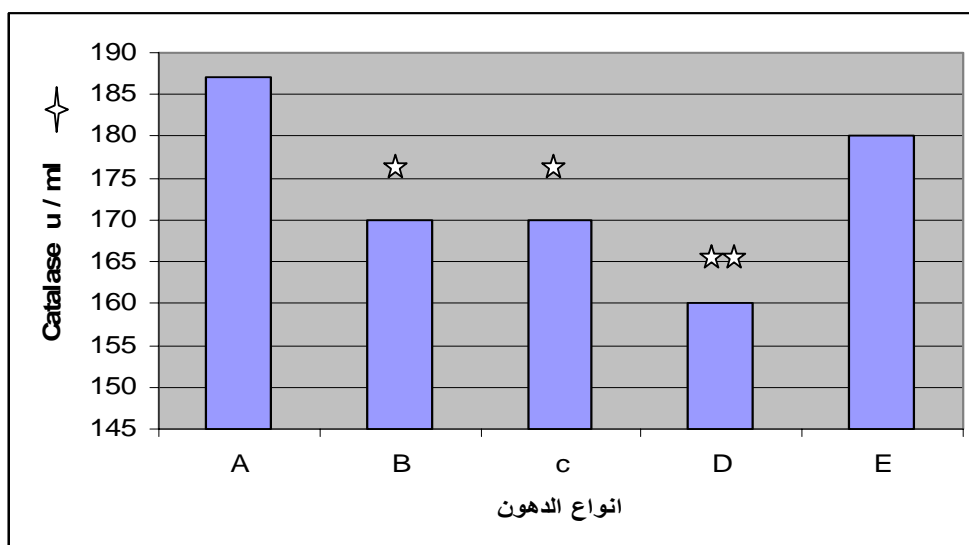


☆ Significant at $P < 0.5$, ☆☆ Significant at $P < 0.01$

(U) : هي كمية الانزيم التي تعمل على تحويل مايكومول واحد من مادة الاساس

الى المادة الناتجة في الدقيقة الواحدة

(2)

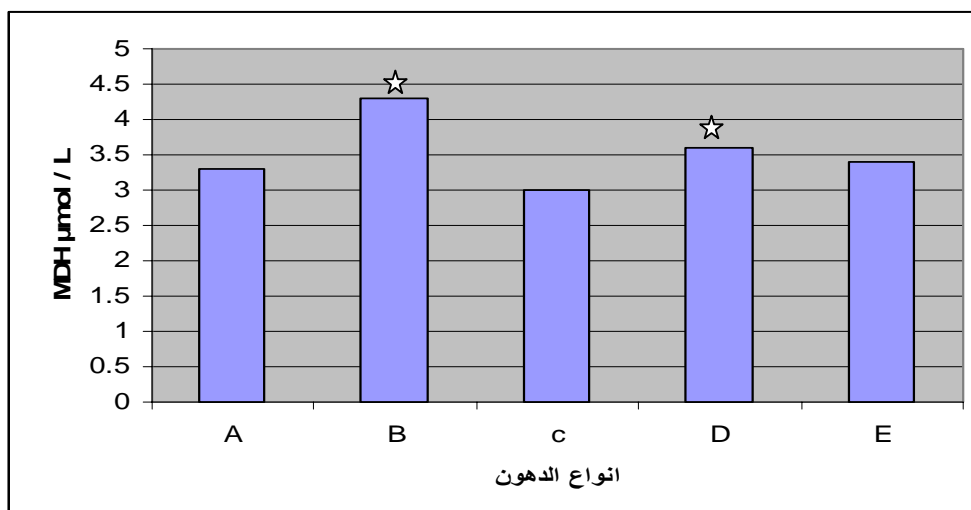


☆ Significant at $P < 0.5$, ☆☆ Significant at $P < 0.1$

(U) : هي كمية الانزيم التي تعمل على تحويل مايكومول واحد من مادة الاساس

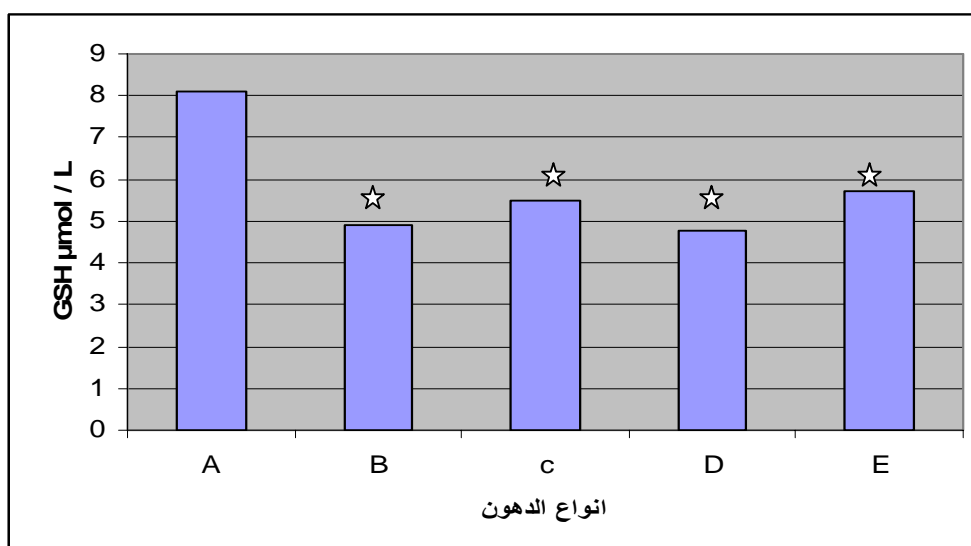
الى المادة الناتجة في الدقيقة الواحدة

(3)



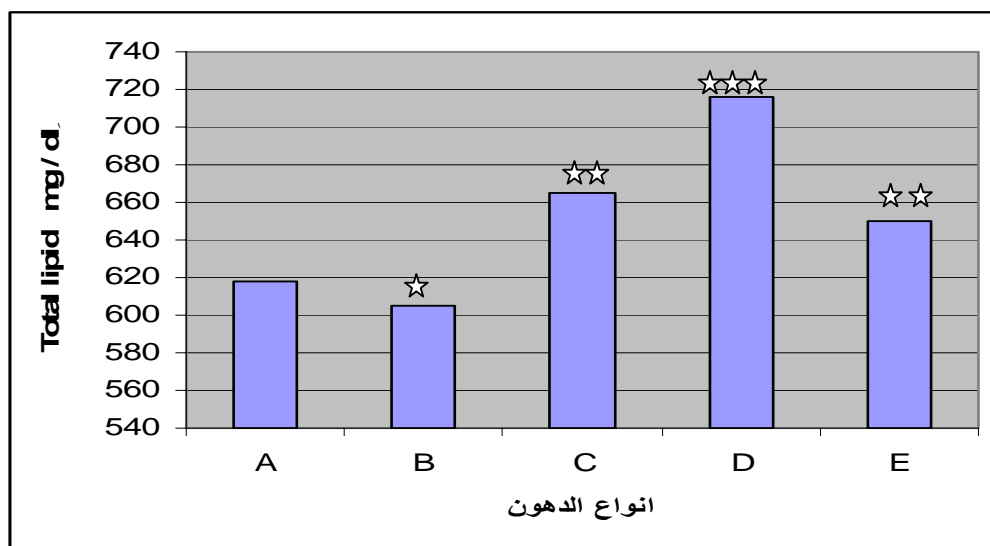
☆ Significant at $P < 0.5$,

(4)



☆ Significant at $P < 0.1$

(5)



☆ Significant at $P < 0.5$, ☆☆ Significant at $P < 0.05$, ☆☆☆ Significant at $P < 0.01$

(6)

(2)

15		7			
%		%			
5.9	25.0	2.9	24.3	23.6	A
10.6	25.0	6.1	24.0	22.6	B
6.5	21.3	2.5	20.5	20.0	C
23.8	26.0	9.5	23.0	21.0	D
9.0	26.5	5.3	25.6	24.3	E

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