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Appendix (1)

Serum malondialdhyde (MDA) concentrations (nmol/ml) in all different studies groups

Number of cases	Control Group (Group I)		Vitamin-treated Group (Group II)	
	Before chemotherapy (n=20)	After chemotherapy (n=20)	Before chemotherapy (n=25)	After chemotherapy (n=25)
1	8.819	12.673	11.448	6.551
2	12.67	14.714	12.714	8.795
3	7.979	11.653	9.612	4.285
4	5.122	10.632	10.69	7.979
5	10.836	15.0	6.714	3.714
6	9.612	14.918	10.87	6.142
7	10.857	14.102	12.67	8.367
8	13.0	14.918	8.816	4.285
9	10.408	13.734	12.673	12.285
10	14.408	16.183	7.571	3.897
11	14.489	12.857	10.877	6.551
12	12.489	16.142	12.265	8.367
13	8.102	14.06	12.897	8.918
14	10.04	12.061	11.653	8.163
15	12.673	10.285	9.224	5.938
16	14.489	12.653	9.408	7.183
17	12.061	12.865	10.632	5.938
18	9.653	12.011	10.02	7.979
19	8.102	10.523	11.32	8.698
20	8.795	9.92	9.225	6.836
21			11.874	9.6122
22			10.0	7.265
23			12.045	9.224
24			11.5	9.15
25			12.3	8.71

Appendix (2)

Serum carbonyl protein (CP) concentration ($\mu M^{-1}cm^{-1}$) in all different studies groups

Number of cases	Control Group (Group I)		Vitamin-treated Group (Group II)	
	Before chemotherapy (n=20)	After chemotherapy (n=20)	Before chemotherapy (n=25)	After chemotherapy (n=25)
1	16.745	5.836	15.927	9.854
2	15.836	19.65	16.927	11.29
3	17.545	25.127	16.309	9.618
4	14.381	34.909	16.381	11.49
5	16.018	31.29	14.4	7.454
6	13.781	33.672	16.545	9.472
7	14.963	19.636	15.872	13.29
8	13.29	26.036	13.472	9.472
9	16.927	27.654	15.49	10.909
10	14.49	31.29	16.945	14.58
11	13.4	24.018	15.854	9.654
12	15.618	24.127	13.818	8.48
13	17.109	28.49	16.781	13.29
14	15.963	31.54	17.145	13.472
15	16.8	27.654	15.909	9.836
16	16.8	24.381	14.145	9.145
17	15.872	28.381	16.727	13.49
18	14.52	27.12	6.745	13.09
19	12.021	25.012	15.924	9.836
20	10.3	16.9	16.2	11.272
21			14.145	8.181
22			16.745	11.436
23			15.7	12.4
24			16.3	13.9
25			13.8	9.7

Appendix (3)

The total antioxidant capacity (ug/ml) in different studies groups

	Control Group (Group I)		Vitamin-treated Group (Group II)	
Number of cases	**Before chemotherapy (Group Ia) (n=20)**	**After chemotherapy (n=20)**	**Before chemotherapy (n=25)**	**After chemotherapy (n=25)**
1	0.98	0.854	0.933	1.918
2	0.985	0.856	1.72	2.5
3	1.002	0.654	1.81	2.76
4	1.2	0.632	1.23	1.429
5	0.985	0.521	1.43	2.105
6	0.935	0.785	1.373	2.364
7	1.325	0.846	1.302	2.075
8	1.523	0.528	2.137	2.804
9	1.231	0.698	1.92	1.431
10	1.256	0.541	1.2	2.364
11	0.854	0.879	1.21	1.702
12	1.652	1.002	0.973	1.644
13	1.023	0.658	1.017	2.364
14	1.654	0.209	1.0172	2.102
15	0.254	1.589	0.182	2.768
16	0.897	0.98	1.381	1.871
17	1.987	1.003	1.973	2.831
18	1.532	0.589	2.275	3.426
19	0.954	0.79	1.918	1.918
20	0.97	0.73	1.05	1.12
21			1.11	1.91
22			0.76	1.77
23			0.809	1.34
24			1.25	2.12
25			1.03	2.56

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دور الامداد بفيتامينات أ وهـ فى التوازن الأوكسيدى فى مريضات سرطان الثدى

رسالة مقدمة

بقسم كمياء طبية تطبقية / معهد البحوث الطبية –جامعة الإسكندرية

ضمن متطلبات درجة

الماجستير

فى

الكيمياء الطبية التطبيقية

من

فردوس خميس مصطفى

بكالوريوس علوم ٢٠٠٤

معهد البحوث الطبية
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٢٠١٤

دور الامداد بفيتامينات أ وهـ فى التوازن الأوكسيدى فى مريضات سرطان الثدى

مقدمة من

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للحصول على درجة

الماجستير

فى

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