

## APPENDICES

### APPENDIX A

#### DPPH Antioxidant Scavenging Assay:

##### Ascorbic acid

##### Control Absorbance

Abs 1	Abs 2	Abs 3	Average	SD
2.762	2.773	2.766	2.767	0.006

##### Ascorbic acid Absorbance

Abs 1	Abs 2	Abs 3	Average	SE
0.109	0.110	0.135	0.118	0.606
0.120	0.117	0.120	0.119	0.622
0.125	0.125	0.122	0.124	0.631
0.120	0.128	0.130	0.126	0.605
0.137	0.125	0.155	0.139	0.508
1.915	1.901	1.965	1.927	0.242
2.309	2.307	2.320	2.312	0.243
2.444	2.440	2.469	2.451	0.244

##### Ascorbic acid Standard Inhibition Percentage

CONCENTRATION $\mu$ gram/ml	% inhibition
200.00	95.74
100.00	95.70
50.00	95.52
25.00	95.45
12.50	94.98
6.25	30.36
3.13	16.44
1.56	11.42

## Methanol

### Control Absorbance

Abs 1	Abs 2	Abs 3	Average	SD
3.613	3.618	3.613	3.612	0.007

### Methanol Extract Absorbance

Abs 1	Abs 2	Abs 3	Average	SE
1.353	1.347	1.404	1.368	0.018
1.879	1.870	1.855	1.868	0.007
2.834	2.892	2.926	2.884	0.027
2.994	3.028	3.035	3.019	0.013
3.181	3.197	3.213	3.197	0.009
3.352	3.301	3.280	3.311	0.021
3.391	3.428	3.387	3.402	0.013
3.493	3.476	3.357	3.442	0.043

### Methanol Inhibition Percentage

CONCENTRATION $\mu$ gram/ml	% inhibition
200.00	62.13
100.00	48.28
50.00	20.16
25.00	16.42
12.50	11.49
6.25	8.33
3.13	5.81
1.56	4.72

## Water

### Control Absorbance

Abs 1	Abs 2	Abs 3	Average	SD
2.541	2.529	2.535	2.535	0.006

### Water Extract Absorbance

Abs 1	Abs 2	Abs 3	Average	SE
2.442	2.427	2.444	2.438	0.005
2.439	2.420	2.434	2.431	0.006
2.371	2.367	2.387	2.375	0.006
2.335	2.384	2.304	2.341	0.023
2.258	2.269	2.265	2.264	0.003
2.076	2.072	2.077	2.075	0.002
1.559	1.541	1.559	1.553	0.006
1.015	1.020	1.070	1.035	0.018

### Water Inhibition Percentage

CONCENTRATION $\mu$ gram/ml	% inhibition
200.00	59.17
100.00	38.74
50.00	18.14
25.00	10.69
12.50	7.65
6.25	6.31
3.13	4.10
1.56	3.83

## Chlorofoam

### Control Absorbance

Abs 1	Abs 2	Abs 3	Average	SD
3.583	3.614	3.603	3.600	0.016

### Chlorofoam Extract Absorbance

Abs 1	Abs 2	Abs 3	Average	SE
2.350	2.372	2.385	2.369	0.010
2.696	2.683	2.694	2.691	0.004
3.288	3.237	3.252	3.239	0.015
3.306	3.315	3.306	3.309	0.003
3.327	3.348	3.333	3.336	0.006
3.442	3.420	3.413	3.424	0.009
3.439	3.455	3.456	3.450	0.006
3.436	3.471	3.458	3.455	0.010

### Chlorofoam Inhibition Percentage

CONCENTRATION $\mu$ gram/ml	% inhibition
200.00	34.19
100.00	25.24
50.00	10.03
25.00	8.08
12.50	7.33
6.25	4.89
3.13	4.17
1.56	4.03

## Petroleum Ether

### Control Absorbance

Abs 1	Abs 2	Abs 3	Average	SD
3.427	3.430	3.451	3.436	0.013

### Petroleum Ether Extract Absorbance

Abs 1	Abs 2	Abs 3	Average	SE
2.712	2.695	2.744	2.717	0.014
3.064	3.075	3.074	3.071	0.003
3.209	3.210	3.235	3.218	0.008
3.259	3.250	3.259	3.256	0.003
3.270	3.252	3.252	3.258	0.006
3.276	3.279	3.285	3.280	0.003
3.298	3.293	3.294	3.295	0.002
3.303	3.304	3.311	3.306	0.003

### Petroleum Ether Inhibition Percentage

CONCENTRATION $\mu$ gram/ml	% inhibition
200.00	20.92
100.00	10.62
50.00	6.34
25.00	5.24
12.50	5.18
6.25	4.54
3.13	4.10
1.56	3.79

## **APPENDIX B**

### **Ferric Reducing Power Assay**

#### **BHA**

Concentration µg/ml	Abs 1	Abs 2	Abs 3	Average	SE
0	0.064	0.061	0.069	0.065	0.002
125	0.157	0.156	0.149	0.154	0.003
250	0.168	0.158	0.158	0.161	0.003
375	0.161	0.166	0.149	0.157	0.005
500	0.195	0.19	0.183	0.189	0.004

#### **Methanol Extract**

Concentration µg/ml	Abs 1	Abs 2	Abs 3	Average	SE
0	0.056	0.058	0.059	0.058	0.001
125	0.090	0.086	0.085	0.087	0.002
250	0.126	0.134	0.135	0.132	0.003
375	0.142	0.147	0.146	0.145	0.002
500	0.169	0.161	0.157	0.162	0.004

#### **Water Extract**

Concentration µg/ml	Abs 1	Abs 2	Abs 3	Average	SE
0	0.071	0.069	0.061	0.067	0.003
125	0.091	0.087	0.088	0.089	0.001
250	0.095	0.097	0.094	0.095	0.001
375	0.099	0.094	0.099	0.097	0.002
500	0.103	0.110	0.105	0.106	0.002

#### **Chlorofoam Extract**

Concentration µg/ml	Abs 1	Abs 2	Abs 3	Average	SE
0	0.056	0.058	0.059	0.058	0.001
125	0.080	0.080	0.08	0.080	0
250	0.095	0.116	0.095	0.102	0.007
375	0.098	0.100	0.105	0.101	0.002
500	0.143	0.120	0.124	0.129	0.007

## Petroleum Ether Extract

Concentration µg/ml	Abs 1	Abs 2	Abs 3	Average	SE
0	0.049	0.051	0.051	0.050	0.001
125	0.073	0.078	0.076	0.076	0.001
250	0.076	0.075	0.074	0.075	0.001
375	0.087	0.085	0.085	0.086	0.001
500	0.088	0.089	0.085	0.087	0.001

## APPENDIX C

### Metal Chelating Assay

#### EDTA

Concentration µg/ml	Abs 1	Abs 2	Abs 3	Average	SE	%
0	2.29	2.26	2.382	2.311	0.037	0
20	2.005	2.088	1.959	2.017	0.037	12.7
40	1.101	0.998	1.098	1.066	0.034	53.9
60	0.110	0.100	0.096	0.102	0.004	95.6
80	0.055	0.056	0.052	0.054	0.001	97.7
100	0.047	0.046	0.047	0.047	0.001	98

#### Methanol Extract

Concentration µg/ml	Abs 1	Abs 2	Abs 3	Average	SE	%
0	2.005	2.008	2.035	2.016	0.010	0
20	1.895	1.880	1.892	1.889	0.005	6.3
40	1.703	1.699	1.716	1.706	0.005	15.4
60	1.460	1.454	1.487	1.467	0.010	27.2
80	1.332	1.339	1.352	1.341	0.006	33.5
100	1.299	1.290	1.281	1.290	0.005	36

#### Water Extract

Concentration µg/ml	Abs 1	Abs 2	Abs 3	Average	SE	%
0	1.973	1.940	2.078	1.997	0.042	0
20	1.889	1.920	1.936	1.915	0.014	4.1
40	1.850	1.902	1.843	1.865	0.019	6.6
60	1.817	1.832	1.820	1.823	0.005	8.7
80	1.682	1.639	1.647	1.656	0.013	17.1
100	1.646	1.657	1.635	1.646	0.006	17.6

#### Chlorofoam Extract

Concentration µg/ml	Abs 1	Abs 2	Abs 3	Average	SE	%
0	1.991	1.954	1.992	1.979	0.013	0
20	1.904	1.896	1.96	1.920	0.020	3
40	1.896	1.907	1.945	1.916	0.015	3.2
60	1.906	1.909	1.885	1.900	0.008	4
80	1.888	1.855	1.837	1.860	0.015	6
100	1.729	1.705	1.672	1.702	0.013	14

#### Petroleum Ether Extract



Concentration µg/ml	Abs 1	Abs 2	Abs 3	Average	SE	%
0	1.980	1.92	2.025	1.984	0.030	0
20	1.920	1.904	1.945	1.926	0.012	2.9
40	1.901	1.919	1.945	1.919	0.013	3.3
60	1.924	1.872	1.877	1.891	0.017	4.7
80	1.895	1.782	1.840	1.805	0.033	9
100	1.757	1.733	1.754	1.746	0.030	12

## ***APPENDIX D***

### **Total Flavonoid Contents (TFC)**

Quercetin (mg/ml)	Abs 1	Abs 2	Abs 3	Mean	SE
<b>0</b>	0.000	0.000	0	0	0
<b>0.5</b>	0.287	0.303	0.283	0.291	0.006
<b>1.0</b>	0.566	0.577	0.648	0.597	0.026
<b>1.5</b>	0.906	0.857	0.736	0.833	0.05
<b>2.0</b>	0.954	1.130	1.159	1.081	0.06
<b>2.5</b>	1.307	1.311	1.315	1.311	0.002

### Extract

Extarct	Abs 1	Abs 2	Abs 3	Mean	SE
Water	1.000	0.953	1.012	0.988	0.018
Methanol	0.860	0.868	0.870	0.866	0.003
Petroleum	0.816	0.809	0.805	0.810	0.003
Chlorofoam	0.204	0.234	0.203	0.214	0.010

**APPENDIX E****Total Phenolic Contents (TPC)**

Concentration gallic acid [ug/ml]	Absorbance 765nm			Mean SD
	1	2	3	
0	0.002	0.003	0.002	0.002
25	0.272	0.289	0.276	0.189
50	0.448	0.410	0.410	0.353
75	0.648	0.653	0.654	0.497
100	0.641	0.67	0.671	0.665
125	0.799	0.745	0.762	0.814

Concentration gallic acid [ug/ml]	Absorbance 765nm			Mean SD	Total Phenolic Content (mg/g dry mass)
	1	2	3		
Gallic acid	0.541	0.670	0.571	0.594	-
Water	0.450	0.447	0.420	0.439	62.714 ± 0.009
Methanol	0.077	0.078	0.087	0.080	11.428 ± 0.003
Chlorofoam	0.082	0.103	0.092	0.092	13.143 ± 0.006
Petroleum Ether	0.089	0.088	0.080	0.086	12.285± 0.002

**APPENDIX F**

BSLA

Table: Water crude extract of *Rhodomyrtus tomentosa*

<b>Concentration Sample [µg/ml]</b>	<b>Total No of Shrimp</b>	<b>Number of Dead</b>	<b>Percentage Mortality (%)</b>	<b>LC<sub>50</sub> [µg/ml]</b>	<b>95 percent confidence</b>
1000	10	6	60	616.083	141.674 – 1215910
100	10	2	20		
10	10	1	10		

<b>Concentration</b>	<b>Reading 1</b>	<b>Reading 2</b>	<b>Reading 3</b>	<b>Average</b>	<b>SE</b>
1000	5	6	6	6	0.333333
100	3	1	2	2	0.57735
10	1	2	1	1	0.333333

Table: Methanol crude extract of *Rhodomyrtus tomentosa*

<b>Concentration Sample [µg/ml]</b>	<b>Total No of Shrimp</b>	<b>Number of Dead</b>	<b>Percentage Mortality (%)</b>	<b>LC<sub>50</sub> [µg/ml]</b>	<b>95 percent confidence</b>
1000	10	7	70	316.228	75.036 – 14612.65
100	10	3	30		
10	10	1	10		

Concentration	Reading 1	Reading 2	Reading 3	average	SE
1000	7	5	8	7	0.881917
100	3	3	3	3	0
10	1	1	2	1	0.333333

Table: Crude chlorofoam extract of *Rhodomyrtus tomentosa*

<b>Concentration Sample [µg/ml]</b>	<b>Total No of Shrimp</b>	<b>Number of Dead</b>	<b>Percentage Mortality (%)</b>	<b>LC<sub>50</sub> [µg/ml]</b>	<b>95 percent confidence</b>
1000	10	8	80	100	11.413 – 876.213
100	10	5	50		
10	10	2	20		

Concentration	Reading 1	Reading 2	Reading 3	average	SE
1000	8	8	9	8	0.333333
100	5	4	6	5	0.57735
10	3	2	2	2	0.333333

Table: Crude petroleum ether extract of *Rhodomyrtus tomentosa*

<b>Concentration Sample [µg/ml]</b>	<b>Total No of Shrimp</b>	<b>Number of Dead</b>	<b>Percentage Mortality (%)</b>	<b>LC<sub>50</sub> [µg/ml]</b>	<b>95 percent confidence</b>
1000	10	10	100	31.623	4.706 – 89.698
100	10	7	70		
10	10	3	30		

Concentration	Reading 1	Reading 2	Reading 3	average	SE
1000	10	10	10	10	0
100	8	7	5	7	0.881917
10	3	4	3	3	0.333333

**APPENDIX G**

MTD

MALE RABBITS

**One-Sample Statistics**

	N	Mean	Std. Deviation	Std. Error Mean
Weight	4	2400.0000	35.82364	17.91182

**One-Sample Test**

	Test Value = 0					
	t	df	Sig. (2-tailed)	Mean Difference	95% Confidence Interval of the Difference	
					Lower	Upper
Weight	133.990	3	.000	2400.00000	2342.9966	2457.0034

FEMALE RABBITS

**One-Sample Statistics**

	N	Mean	Std. Deviation	Std. Error Mean
Weight	4	2479.0000	31.94787	15.97394

**One-Sample Test**

	Test Value = 0					
	t	df	Sig. (2-tailed)	Mean Difference	95% Confidence Interval of the Difference	
					Lower	Upper
Weight	155.190	3	.000	2479.00000	2428.1638	2529.8362

## Organ Weight

### Heart

#### Descriptives

Treatment

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
1.00	6	4.6667	.51640	.21082	4.1247	5.2086	4.00	5.00
2.00	6	6.6667	.81650	.33333	5.8098	7.5235	6.00	8.00
3.00	6	6.3333	.51640	.21082	5.7914	6.8753	6.00	7.00
4.00	6	5.3333	1.21106	.49441	4.0624	6.6043	4.00	7.00
Total	24	5.7500	1.11316	.22722	5.2800	6.2200	4.00	8.00

#### ANOVA

Treatment

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	15.167	3	5.056	7.583	.001
Within Groups	13.333	20	.667		
Total	28.500	23			



### Multiple Comparisons

Treatment

Bonferroni

(I) Group	(J) Group	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
1.00	2.00	-2.00000*	.47140	.002	-3.3799	-.6201
	3.00	-1.66667*	.47140	.012	-3.0465	-.2868
	4.00	-.66667	.47140	1.000	-2.0465	.7132
2.00	1.00	2.00000*	.47140	.002	.6201	3.3799
	3.00	.33333	.47140	1.000	-1.0465	1.7132
	4.00	1.33333	.47140	.062	-.0465	2.7132
3.00	1.00	1.66667*	.47140	.012	.2868	3.0465
	2.00	-.33333	.47140	1.000	-1.7132	1.0465
	4.00	1.00000	.47140	.280	-.3799	2.3799
4.00	1.00	.66667	.47140	1.000	-.7132	2.0465
	2.00	-1.33333	.47140	.062	-2.7132	.0465
	3.00	-1.00000	.47140	.280	-2.3799	.3799

\*. The mean difference is significant at the 0.05 level.

## Liver

### Descriptives

Treatment

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean	
					Lower Bound	Upper Bound
1.00	6	57.3333	4.96655	2.02759	52.1213	62.5454
2.00	6	131.1667	14.64809	5.98006	115.7944	146.5389
3.00	6	110.8333	4.70815	1.92209	105.8924	115.7742
4.00	6	90.0000	6.48074	2.64575	83.1989	96.8011
Total	24	97.3333	29.04370	5.92852	85.0693	109.5974

### ANOVA

Treatment

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	17884.333	3	5961.444	78.595	.000
Within Groups	1517.000	20	75.850		
Total	19401.333	23			

### Multiple Comparisons

Treatment

Bonferroni

(I) Group	(J) Group	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
1.00	2.00	-73.83333*	5.02825	.000	-88.5516	-59.1150
	_ 3.00	-53.50000*	5.02825	.000	-68.2183	-38.7817
	4.00	-32.66667*	5.02825	.000	-47.3850	-17.9484
2.00	1.00	73.83333*	5.02825	.000	59.1150	88.5516
	_ 3.00	20.33333*	5.02825	.004	5.6150	35.0516
	4.00	41.16667*	5.02825	.000	26.4484	55.8850
3.00	1.00	53.50000*	5.02825	.000	38.7817	68.2183
	_ 2.00	-20.33333*	5.02825	.004	-35.0516	-5.6150
	4.00	20.83333*	5.02825	.003	6.1150	35.5516
4.00	1.00	32.66667*	5.02825	.000	17.9484	47.3850
	_ 2.00	-41.16667*	5.02825	.000	-55.8850	-26.4484
	3.00	-20.83333*	5.02825	.003	-35.5516	-6.1150

\*. The mean difference is significant at the 0.05 level.

## Kidney

### Descriptives

Treatment

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
1.00	6	10.8333	.75277	.30732	10.0433	11.6233	10.00	12.00
2.00	6	10.8333	.75277	.30732	10.0433	11.6233	10.00	12.00
3.00	6	12.8333	1.72240	.70317	11.0258	14.6409	10.00	15.00
4.00	6	12.6667	2.58199	1.05409	9.9570	15.3763	10.00	17.00
Total	24	11.7917	1.81729	.37095	11.0243	12.5590	10.00	17.00

### ANOVA

Treatment

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	22.125	3	7.375	2.740	.070
Within Groups	53.833	20	2.692		
Total	75.958	23			

### Multiple Comparisons

Treatment

Bonferroni

(I) Group	(J) Group	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
1.00	2.00	.00000	.94722	1.000	-2.7726	2.7726
	_ 3.00	-2.00000	.94722	.285	-4.7726	.7726
	4.00	-1.83333	.94722	.403	-4.6060	.9393
2.00	1.00	.00000	.94722	1.000	-2.7726	2.7726
	_ 3.00	-2.00000	.94722	.285	-4.7726	.7726
	4.00	-1.83333	.94722	.403	-4.6060	.9393
3.00	1.00	2.00000	.94722	.285	-.7726	4.7726
	_ 2.00	2.00000	.94722	.285	-.7726	4.7726
	4.00	.16667	.94722	1.000	-2.6060	2.9393
4.00	1.00	1.83333	.94722	.403	-.9393	4.6060
	_ 2.00	1.83333	.94722	.403	-.9393	4.6060
	3.00	-.16667	.94722	1.000	-2.9393	2.6060

**APPENDIX D**

**Body Weight of Experimental Animals at Different Time**

**Body Weight Week 0**

**Descriptives**

Treatment

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
G1	6	2079.1667	96.30247	39.31532	1978.1034	2180.2299	2000.00	2270.00
G2	6	2265.0000	158.39823	64.66581	2098.7712	2431.2288	2060.00	2505.00
G3	6	2383.3333	168.95759	68.97665	2206.0232	2560.6434	2215.00	2645.00
G4	6	2105.0000	82.09750	33.51617	2018.8440	2191.1560	2005.00	2240.00
Total	24	2208.1250	176.36926	36.00122	2133.6508	2282.5992	2000.00	2645.00

**ANOVA**

Treatment

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	367186.458	3	122395.486	7.029	.002
Within Groups	348254.167	20	17412.708		
Total	715440.625	23			

Continue

**Multiple Comparisons**

Treatment

Bonferroni

(I) Group	(J) Group	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
G1	G2	-185.83333	76.18554	.145	-408.8375	37.1708
	_ G3	-304.16667*	76.18554	.004	-527.1708	-81.1625
	G4	-25.83333	76.18554	1.000	-248.8375	197.1708
G2	G1	185.83333	76.18554	.145	-37.1708	408.8375
	_ G3	-118.33333	76.18554	.816	-341.3375	104.6708
	G4	160.00000	76.18554	.292	-63.0041	383.0041
G3	G1	304.16667*	76.18554	.004	81.1625	527.1708
	_ G2	118.33333	76.18554	.816	-104.6708	341.3375
	G4	278.33333*	76.18554	.009	55.3292	501.3375
G4	G1	25.83333	76.18554	1.000	-197.1708	248.8375
	_ G2	-160.00000	76.18554	.292	-383.0041	63.0041
	G3	-278.33333*	76.18554	.009	-501.3375	-55.3292

\*. The mean difference is significant at the 0.05 level.

## Body Weight Week 5

### Descriptives

Treatment

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
G1	6	2141.6667	88.69423	36.20927	2048.5878	2234.7456	2015.00	2255.00
G2	6	2720.0000	196.92638	80.39486	2513.3384	2926.6616	2405.00	3005.00
G3	6	2740.8333	65.14727	26.59626	2672.4655	2809.2012	2610.00	2780.00
G4	6	2396.6667	116.08905	47.39315	2274.8387	2518.4946	2225.00	2570.00
Total	24	2499.7917	279.34115	57.02027	2381.8362	2617.7471	2015.00	3005.00

### ANOVA

Treatment

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	1472886.458	3	490962.153	30.510	.000
Within Groups	321837.500	20	16091.875		
Total	1794723.958	23			



Continue

**Multiple Comparisons**

Treatment

Bonferroni

(I) Group	(J) Group	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
G1	G2	-578.33333*	73.23905	.000	-792.7128	-363.9539
	— G3	-599.16667*	73.23905	.000	-813.5461	-384.7872
	G4	-255.00000*	73.23905	.014	-469.3794	-40.6206
G2	G1	578.33333*	73.23905	.000	363.9539	792.7128
	— G3	-20.83333	73.23905	1.000	-235.2128	193.5461
	G4	323.33333*	73.23905	.002	108.9539	537.7128
G3	G1	599.16667*	73.23905	.000	384.7872	813.5461
	— G2	20.83333	73.23905	1.000	-193.5461	235.2128
	G4	344.16667*	73.23905	.001	129.7872	558.5461
G4	G1	255.00000*	73.23905	.014	40.6206	469.3794
	— G2	-323.33333*	73.23905	.002	-537.7128	-108.9539
	G3	-344.16667*	73.23905	.001	-558.5461	-129.7872

\*. The mean difference is significant at the 0.05 level.

## Body Weight Week 10

### Descriptives

Treatment

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
G1	6	2365.0000	51.18594	20.89657	2311.2837	2418.7163	2320.00	2445.00
G2	6	2873.3333	150.08886	61.27352	2715.8247	3030.8419	2600.00	3005.00
G3	6	2765.0000	90.88454	37.10346	2669.6225	2860.3775	2630.00	2855.00
G4	6	2634.1667	78.82999	32.18221	2551.4397	2716.8937	2540.00	2735.00
Total	24	2659.3750	215.02938	43.89269	2568.5761	2750.1739	2320.00	3005.00

### ANOVA

Treatment

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	865361.458	3	288453.819	29.121	.000
Within Groups	198104.167	20	9905.208		
Total	1063465.625	23			

Continue

**Multiple Comparisons**

Treatment

Bonferroni

(I) Group	(J) Group	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
G1	G2	-508.33333*	57.46074	.000	-676.5278	-340.1389
	_ G3	-400.00000*	57.46074	.000	-568.1944	-231.8056
	G4	-269.16667*	57.46074	.001	-437.3611	-100.9722
G2	G1	508.33333*	57.46074	.000	340.1389	676.5278
	_ G3	108.33333	57.46074	.444	-59.8611	276.5278
	G4	239.16667*	57.46074	.003	70.9722	407.3611
G3	G1	400.00000*	57.46074	.000	231.8056	568.1944
	_ G2	-108.33333	57.46074	.444	-276.5278	59.8611
	G4	130.83333	57.46074	.204	-37.3611	299.0278
G4	G1	269.16667*	57.46074	.001	100.9722	437.3611
	_ G2	-239.16667*	57.46074	.003	-407.3611	-70.9722
	G3	-130.83333	57.46074	.204	-299.0278	37.3611

\*. The mean difference is significant at the 0.05 level.

**APPENDIX E**

**Triacylglycerides (TG) Level of Experimental Animal**

**Triacylglycerides Week 0**

**Descriptives**

Treatment

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
G1	6	.4000	.10954	.04472	.2850	.5150	.20	.50
G2	6	.4000	.08944	.03651	.3061	.4939	.30	.50
G3	6	.5333	.13880	.05667	.3877	.6790	.37	.70
G4	6	.5167	.17224	.07032	.3359	.6974	.30	.80
Total	24	.4625	.13819	.02821	.4041	.5209	.20	.80

**ANOVA**

Treatment

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.095	3	.032	1.829	.174
Within Groups	.345	20	.017		
Total	.439	23			

Continue

**Multiple Comparisons**

Treatment

Bonferroni

(I) Group	(J) Group	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
G1	G2	.00000	.07579	1.000	-.2219	.2219
	_ G3	-.13333	.07579	.563	-.3552	.0885
	G4	-.11667	.07579	.836	-.3385	.1052
G2	G1	.00000	.07579	1.000	-.2219	.2219
	_ G3	-.13333	.07579	.563	-.3552	.0885
	G4	-.11667	.07579	.836	-.3385	.1052
G3	G1	.13333	.07579	.563	-.0885	.3552
	_ G2	.13333	.07579	.563	-.0885	.3552
	G4	.01667	.07579	1.000	-.2052	.2385
G4	G1	.11667	.07579	.836	-.1052	.3385
	_ G2	.11667	.07579	.836	-.1052	.3385
	G3	-.01667	.07579	1.000	-.2385	.2052

## Triacylglycerides Week 5

### Descriptives

Treatment

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
G1	6	.4667	.18619	.07601	.2713	.6621	.30	.70
G2	6	1.3000	.36878	.15055	.9130	1.6870	.80	1.90
G3	6	.5967	.20037	.08180	.3864	.8069	.42	.89
G4	6	.3133	.14445	.05897	.1617	.4649	.20	.60
Total	24	.6692	.44641	.09112	.4807	.8577	.20	1.90

### ANOVA

Treatment

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	3.425	3	1.142	19.711	.000
Within Groups	1.158	20	.058		
Total	4.583	23			

Continue

**Multiple Comparisons**

Treatment

Bonferroni

(I) Group	(J) Group	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
G1	G2	-.83333*	.13895	.000	-1.2401	-.4266
	_ G3	-.13000	.13895	1.000	-.5367	.2767
	G4	.15333	.13895	1.000	-.2534	.5601
G2	G1	.83333*	.13895	.000	.4266	1.2401
	_ G3	.70333*	.13895	.000	.2966	1.1101
	G4	.98667*	.13895	.000	.5799	1.3934
G3	G1	.13000	.13895	1.000	-.2767	.5367
	_ G2	-.70333*	.13895	.000	-1.1101	-.2966
	G4	.28333	.13895	.329	-.1234	.6901
G4	G1	-.15333	.13895	1.000	-.5601	.2534
	_ G2	-.98667*	.13895	.000	-1.3934	-.5799
	G3	-.28333	.13895	.329	-.6901	.1234

\*. The mean difference is significant at the 0.05 level.

## Triacylglycerides Week 10

### Descriptives

Treatment

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
G1	6	.5500	.15166	.06191	.3908	.7092	.30	.70
G2	6	.7167	.17224	.07032	.5359	.8974	.50	1.00
G3	6	.8950	.54519	.22257	.3229	1.4671	.51	1.94
G4	6	.5583	.26806	.10944	.2770	.8396	.30	1.00
Total	24	.6800	.33521	.06842	.5385	.8215	.30	1.94

### ANOVA

Treatment

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.476	3	.159	1.504	.244
Within Groups	2.109	20	.105		
Total	2.584	23			



Continue

**Multiple Comparisons**

Treatment

Bonferroni

(I) Group	(J) Group	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
G1	G2	-.16667	.18747	1.000	-.7154	.3821
	_ G3	-.34500	.18747	.484	-.8938	.2038
	G4	-.00833	.18747	1.000	-.5571	.5404
G2	G1	.16667	.18747	1.000	-.3821	.7154
	_ G3	-.17833	.18747	1.000	-.7271	.3704
	G4	.15833	.18747	1.000	-.3904	.7071
G3	G1	.34500	.18747	.484	-.2038	.8938
	_ G2	.17833	.18747	1.000	-.3704	.7271
	G4	.33667	.18747	.526	-.2121	.8854
G4	G1	.00833	.18747	1.000	-.5404	.5571
	_ G2	-.15833	.18747	1.000	-.7071	.3904
	G3	-.33667	.18747	.526	-.8854	.2121

**APPENDIX F**

**Total Cholesterol (TC) Level of Experimental Animal**

**Total Cholesterol Week 0**

**Descriptives**

Treatment

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
G1	6	.9500	.38859	.15864	.5422	1.3578	.50	1.40
G2	6	1.3667	.39328	.16055	.9539	1.7794	.90	1.80
G3	6	1.3833	.17224	.07032	1.2026	1.5641	1.20	1.60
G4	6	1.1167	.33116	.13520	.7691	1.4642	.80	1.60
Total	24	1.2042	.36173	.07384	1.0514	1.3569	.50	1.80

**ANOVA**

Treatment

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.785	3	.262	2.351	.103
Within Groups	2.225	20	.111		
Total	3.010	23			

Continue

**Multiple Comparisons**

Treatment

Bonferroni

(I) Group	(J) Group	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
G1	G2	-.41667	.19257	.257	-.9803	.1470
	_ G3	-.43333	.19257	.215	-.9970	.1303
	G4	-.16667	.19257	1.000	-.7303	.3970
G2	G1	.41667	.19257	.257	-.1470	.9803
	_ G3	-.01667	.19257	1.000	-.5803	.5470
	G4	.25000	.19257	1.000	-.3137	.8137
G3	G1	.43333	.19257	.215	-.1303	.9970
	_ G2	.01667	.19257	1.000	-.5470	.5803
	G4	.26667	.19257	1.000	-.2970	.8303
G4	G1	.16667	.19257	1.000	-.3970	.7303
	_ G2	-.25000	.19257	1.000	-.8137	.3137
	G3	-.26667	.19257	1.000	-.8303	.2970

## Total Cholesterol Week 5

### Descriptives

Treatment

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
G1	6	.9500	.17607	.07188	.7652	1.1348	.60	1.10
G2	6	24.8833	.33714	.13764	24.5295	25.2371	24.30	25.20
G3	6	12.6333	4.12052	1.68219	8.3091	16.9576	8.40	18.20
G4	6	15.9667	8.33347	3.40212	7.2212	24.7121	4.70	24.20
Total	24	13.6083	9.77147	1.99459	9.4822	17.7345	.60	25.20

### ANOVA

Treatment

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	1763.228	3	587.743	27.157	.000
Within Groups	432.850	20	21.643		
Total	2196.078	23			

### Multiple Comparisons

Treatment

Bonferroni

(I) Group	(J) Group	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
G1	G2	-23.93333*	2.68592	.000	-31.7953	-16.0713
	_ G3	-11.68333*	2.68592	.002	-19.5453	-3.8213
	G4	-15.01667*	2.68592	.000	-22.8787	-7.1547
G2	G1	23.93333*	2.68592	.000	16.0713	31.7953
	_ G3	12.25000*	2.68592	.001	4.3880	20.1120
	G4	8.91667*	2.68592	.021	1.0547	16.7787
G3	G1	11.68333*	2.68592	.002	3.8213	19.5453
	_ G2	-12.25000*	2.68592	.001	-20.1120	-4.3880
	G4	-3.33333	2.68592	1.000	-11.1953	4.5287
G4	G1	15.01667*	2.68592	.000	7.1547	22.8787
	_ G2	-8.91667*	2.68592	.021	-16.7787	-1.0547
	G3	3.33333	2.68592	1.000	-4.5287	11.1953

\*. The mean difference is significant at the 0.05 level.

## Total Cholesterol Week 10

### Descriptives

Treatment

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
G1	6	.7333	.20656	.08433	.5166	.9501	.60	1.00
G2	6	25.9833	1.40914	.57528	24.5045	27.4621	23.80	27.70
G3	6	17.0500	1.02518	.41853	15.9741	18.1259	15.50	18.20
G4	6	16.0667	1.59391	.65071	14.3940	17.7394	13.60	18.00
Total	24	14.9583	9.33699	1.90591	11.0157	18.9010	.60	27.70

### ANOVA

Treatment

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	1977.028	3	659.009	469.056	.000
Within Groups	28.099	20	1.405		
Total	2005.128	23			

Continue

**Multiple Comparisons**

Treatment

Bonferroni

(I) Group	(J) Group	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
G1	G2	-25.25000*	.68434	.000	-27.2531	-23.2469
	_ G3	-16.31667*	.68434	.000	-18.3198	-14.3135
	G4	-15.33333*	.68434	.000	-17.3365	-13.3302
G2	G1	25.25000*	.68434	.000	23.2469	27.2531
	_ G3	8.93333*	.68434	.000	6.9302	10.9365
	G4	9.91667*	.68434	.000	7.9135	11.9198
G3	G1	16.31667*	.68434	.000	14.3135	18.3198
	_ G2	-8.93333*	.68434	.000	-10.9365	-6.9302
	G4	.98333	.68434	.997	-1.0198	2.9865
G4	G1	15.33333*	.68434	.000	13.3302	17.3365
	_ G2	-9.91667*	.68434	.000	-11.9198	-7.9135
	G3	-.98333	.68434	.997	-2.9865	1.0198

\*. The mean difference is significant at the 0.05 level.

**APPENDIX G**

**Low Density Lipoprotein (LDL) Level on Experimental Animal**

**Low Density Lipoprotein Week 0**

**Descriptives**

Treatment

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
G1	6	.2317	.19874	.08113	.0231	.4402	.04	.57
G2	6	.3300	.17866	.07294	.1425	.5175	.14	.62
G3	6	.4317	.26814	.10947	.1503	.7131	.05	.76
G4	6	.4483	.29444	.12021	.1393	.7573	.11	.87
Total	24	.3604	.24064	.04912	.2588	.4620	.04	.87

**ANOVA**

Treatment

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.182	3	.061	1.054	.391
Within Groups	1.150	20	.058		
Total	1.332	23			



Continue

**Multiple Comparisons**

Treatment

Bonferroni

(I) Group	(J) Group	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
G1	G2	-.09833	.13845	1.000	-.5036	.3069
	_ G3	-.20000	.13845	.984	-.6053	.2053
	G4	-.21667	.13845	.800	-.6219	.1886
G2	G1	.09833	.13845	1.000	-.3069	.5036
	_ G3	-.10167	.13845	1.000	-.5069	.3036
	G4	-.11833	.13845	1.000	-.5236	.2869
G3	G1	.20000	.13845	.984	-.2053	.6053
	_ G2	.10167	.13845	1.000	-.3036	.5069
	G4	-.01667	.13845	1.000	-.4219	.3886
G4	G1	.21667	.13845	.800	-.1886	.6219
	_ G2	.11833	.13845	1.000	-.2869	.5236
	G3	.01667	.13845	1.000	-.3886	.4219

## Low Density Lipoprotein Week 5

### Descriptives

Treatment

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
G1	6	.0933	.03077	.01256	.0610	.1256	.04	.13
G2	6	23.2950	.33399	.13635	22.9445	23.6455	23.09	23.97
G3	6	11.6467	4.24353	1.73242	7.1934	16.1000	7.19	17.26
G4	6	15.3050	7.73994	3.15982	7.1824	23.4276	5.77	23.56
Total	24	12.5850	9.47372	1.93382	8.5846	16.5854	.04	23.97

### ANOVA

Treatment

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	1674.148	3	558.049	28.608	.000
Within Groups	390.134	20	19.507		
Total	2064.282	23			

Continue

**Multiple Comparisons**

Treatment

Bonferroni

(I) Group	(J) Group	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
G1	G2	-23.20167*	2.54995	.000	-30.6657	-15.7377
	_ G3	-11.55333*	2.54995	.001	-19.0173	-4.0893
	G4	-15.21167*	2.54995	.000	-22.6757	-7.7477
G2	G1	23.20167*	2.54995	.000	15.7377	30.6657
	_ G3	11.64833*	2.54995	.001	4.1843	19.1123
	G4	7.99000*	2.54995	.031	.5260	15.4540
G3	G1	11.55333*	2.54995	.001	4.0893	19.0173
	_ G2	-11.64833*	2.54995	.001	-19.1123	-4.1843
	G4	-3.65833	2.54995	1.000	-11.1223	3.8057
G4	G1	15.21167*	2.54995	.000	7.7477	22.6757
	_ G2	-7.99000*	2.54995	.031	-15.4540	-.5260
	G3	3.65833	2.54995	1.000	-3.8057	11.1223

\*. The mean difference is significant at the 0.05 level.

## Low Density Lipoprotein Week 10

### Descriptives

Treatment

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
G1	6	.0567	.02338	.00955	.0321	.0812	.03	.08
G2	6	24.7050	2.26633	.92523	22.3266	27.0834	20.60	26.90
G3	6	17.5717	.83574	.34119	16.6946	18.4487	16.40	18.90
G4	6	15.2933	1.65432	.67537	13.5572	17.0294	13.10	17.43
Total	24	14.4067	9.27725	1.89371	10.4892	18.3241	.03	26.90

### ANOVA

Treatment

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	1936.689	3	645.563	301.241	.000
Within Groups	42.860	20	2.143		
Total	1979.550	23			

Continue

**Multiple Comparisons**

Treatment

Bonferroni

(I) Group	(J) Group	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
G1	G2	-24.64833*	.84519	.000	-27.1223	-22.1744
	— G3	-17.51500*	.84519	.000	-19.9890	-15.0410
	G4	-15.23667*	.84519	.000	-17.7106	-12.7627
G2	G1	24.64833*	.84519	.000	22.1744	27.1223
	— G3	7.13333*	.84519	.000	4.6594	9.6073
	G4	9.41167*	.84519	.000	6.9377	11.8856
G3	G1	17.51500*	.84519	.000	15.0410	19.9890
	— G2	-7.13333*	.84519	.000	-9.6073	-4.6594
	G4	2.27833	.84519	.083	-.1956	4.7523
G4	G1	15.23667*	.84519	.000	12.7627	17.7106
	— G2	-9.41167*	.84519	.000	-11.8856	-6.9377
	G3	-2.27833	.84519	.083	-4.7523	.1956

\*. The mean difference is significant at the 0.05 level.

**APPENDIX H**

**High Density Lipoprotein (HDL) Level on Experimental Animal**

**High Density Lipoprotein Week 0**

**Descriptives**

Treatment

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
G1	6	.5600	.19677	.08033	.3535	.7665	.35	.87
G2	6	.6700	.07563	.03088	.5906	.7494	.58	.77
G3	6	.6083	.05269	.02151	.5530	.6636	.54	.67
G4	6	.5267	.06683	.02728	.4565	.5968	.44	.60
Total	24	.5912	.11947	.02439	.5408	.6417	.35	.87

**ANOVA**

Treatment

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.070	3	.023	1.802	.179
Within Groups	.258	20	.013		
Total	.328	23			

Continue

**Multiple Comparisons**

Treatment

Bonferroni

(I) Group	(J) Group	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
G1	G2	-.11000	.06563	.656	-.3021	.0821
	_ G3	-.04833	.06563	1.000	-.2404	.1438
	G4	.03333	.06563	1.000	-.1588	.2254
G2	G1	.11000	.06563	.656	-.0821	.3021
	_ G3	.06167	.06563	1.000	-.1304	.2538
	G4	.14333	.06563	.246	-.0488	.3354
G3	G1	.04833	.06563	1.000	-.1438	.2404
	_ G2	-.06167	.06563	1.000	-.2538	.1304
	G4	.08167	.06563	1.000	-.1104	.2738
G4	G1	-.03333	.06563	1.000	-.2254	.1588
	_ G2	-.14333	.06563	.246	-.3354	.0488
	G3	-.08167	.06563	1.000	-.2738	.1104

## High Density Lipoprotein Week 5

### Descriptives

Treatment

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
G1	6	.5750	.16778	.06850	.3989	.7511	.38	.88
G2	6	.5867	.05922	.02418	.5245	.6488	.52	.69
G3	6	.6283	.09432	.03851	.5293	.7273	.52	.74
G4	6	.6117	.15132	.06177	.4529	.7705	.50	.86
Total	24	.6004	.11936	.02436	.5500	.6508	.38	.88

### ANOVA

Treatment

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.010	3	.003	.220	.882
Within Groups	.317	20	.016		
Total	.328	23			



Continue

**Multiple Comparisons**

Treatment

Bonferroni

(I) Group	(J) Group	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
G1	G2	-.01167	.07272	1.000	-.2245	.2012
	_ G3	-.05333	.07272	1.000	-.2662	.1595
	G4	-.03667	.07272	1.000	-.2495	.1762
G2	G1	.01167	.07272	1.000	-.2012	.2245
	_ G3	-.04167	.07272	1.000	-.2545	.1712
	G4	-.02500	.07272	1.000	-.2378	.1878
G3	G1	.05333	.07272	1.000	-.1595	.2662
	_ G2	.04167	.07272	1.000	-.1712	.2545
	G4	.01667	.07272	1.000	-.1962	.2295
G4	G1	.03667	.07272	1.000	-.1762	.2495
	_ G2	.02500	.07272	1.000	-.1878	.2378
	G3	-.01667	.07272	1.000	-.2295	.1962

## High Density Lipoprotein Week 10

### Descriptives

Treatment

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
G1	6	.5333	.21593	.08815	.3067	.7599	.36	.89
G2	6	.4233	.09266	.03783	.3261	.5206	.25	.51
G3	6	.5200	.11437	.04669	.3000	.5400	.29	.56
G4	6	.4967	.12894	.05264	.3613	.6320	.36	.73
Total	24	.4933	.14460	.02952	.4073	.5294	.25	.89

### ANOVA

Treatment

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.056	3	.019	.884	.466
Within Groups	.425	20	.021		
Total	.481	23			

Continue

**Multiple Comparisons**

Treatment

Bonferroni

(I) Group	(J) Group	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
G1	G2	.11000*	.08412	1.000	-.1362	.3562
	_ G3	.11333	.08412	1.000	-.1329	.3596
	G4	.03667	.08412	1.000	-.2096	.2829
G2	G1	-.11000*	.08412	1.000	-.3562	.1362
	_ G3	.00333*	.08412	1.000	-.2429	.2496
	G4	-.07333*	.08412	1.000	-.3196	.1729
G3	G1	-.11333	.08412	1.000	-.3596	.1329
	_ G2	-.00333*	.08412	1.000	-.2496	.2429
	G4	-.07667	.08412	1.000	-.3229	.1696
G4	G1	-.03667	.08412	1.000	-.2829	.2096
	_ G2	.07333*	.08412	1.000	-.1729	.3196
	G3	.07667	.08412	1.000	-.1696	.3229

**APPENDIX I**

**Malondialdehyde (MDA) Level on Experimental Animal**

**Malondialdehyde (MDA) Level Week 0**

**Descriptives**

Treatment

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
G1	6	.044055556	.0081443005	.0033248968	.035508636	.052602475	.0323333	.0550000
G2	6	.048500000	.0018708288	.0007637627	.046536685	.050463314	.0453333	.0510000
G3	6	.044944444	.0059494786	.0024288645	.038700850	.051188039	.0390000	.0543333
G4	6	.043388889	.0040738552	.0016631444	.039113640	.047664138	.0400000	.0510000
Total	24	.045222222	.0055261055	.0011280116	.042888753	.047555692	.0323333	.0550000

**ANOVA**

Treatment

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.000	3	.000	1.021	.404
Within Groups	.001	20	.000		
Total	.001	23			

Continue

**Multiple Comparisons**

Treatment

Bonferroni

(I) Group	(J) Group	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
G1	G2	-.0044444443	.0031861971	1.000	-.013770823	.004881934
	_ G3	-.0008888890	.0031861971	1.000	-.010215267	.008437489
	G4	.0006666665	.0031861971	1.000	-.008659712	.009993045
G2	G1	.0044444443	.0031861971	1.000	-.004881934	.013770823
	_ G3	.0035555553	.0031861971	1.000	-.005770823	.012881934
	G4	.0051111108	.0031861971	.746	-.004215268	.014437489
G3	G1	.0008888890	.0031861971	1.000	-.008437489	.010215267
	_ G2	-.0035555553	.0031861971	1.000	-.012881934	.005770823
	G4	.0015555555	.0031861971	1.000	-.007770823	.010881934
G4	G1	-.0006666665	.0031861971	1.000	-.009993045	.008659712
	_ G2	-.0051111108	.0031861971	.746	-.014437489	.004215268
	G3	-.0015555555	.0031861971	1.000	-.010881934	.007770823

## Malondialdehyde (MDA) Level Week 5

### Descriptives

Treatment

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
G1	6	.05466666	.009203863	.003757461	.045007804	.064325529	.044666	.068333
G2	6	.07233333	.007208020	.002942661	.064768980	.079897686	.061666	.081000
G3	6	.04783333	.005071707	.002070516	.042510902	.053155764	.040666	.054333
G4	6	.04455555	.002187506	.000893045	.042259908	.046851203	.041333	.047333
Total	24	.05484722	.012513173	.002554240	.049563373	.060131072	.040666	.081000

### ANOVA

Treatment

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.003	3	.001	22.057	.000
Within Groups	.001	20	.000		
Total	.004	23			

**Multiple Comparisons**

Treatment

Bonferroni

(I) Group	(J) Group	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
G1	G2	-.0176666665*	.0037324485	.001	-.028591988	-.006741345
	_ G3	.0068333335	.0037324485	.492	-.004091988	.017758655
	G4	.0101111115	.0037324485	.081	-.000814210	.021036433
G2	G1	.0176666665*	.0037324485	.001	.006741345	.028591988
	_ G3	.0245000000*	.0037324485	.000	.013574679	.035425321
	G4	.0277777780*	.0037324485	.000	.016852457	.038703099
G3	G1	-.0068333335	.0037324485	.492	-.017758655	.004091988
	_ G2	-.0245000000*	.0037324485	.000	-.035425321	-.013574679
	G4	.0032777780	.0037324485	1.000	-.007647543	.014203099
G4	G1	-.0101111115	.0037324485	.081	-.021036433	.000814210
	_ G2	-.0277777780*	.0037324485	.000	-.038703099	-.016852457
	G3	-.0032777780	.0037324485	1.000	-.014203099	.007647543

\*. The mean difference is significant at the 0.05 level.

## Malondialdehyde (MDA) Level Week 10

### Descriptives

Treatment

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
G1	6	.047888889	.0061919902	.0025278694	.041390794	.054386984	.0416667	.0566667
G2	6	.067666667	.0033993463	.0013877773	.064099272	.071234062	.0630000	.0720000
G3	6	.043000000	.0021186999	.0008649556	.040776561	.045223439	.0413333	.0470000
G4	6	.046444444	.0034555378	.0014107174	.042818080	.050070809	.0423333	.0510000
Total	24	.051250000	.0105570683	.0021549525	.046792141	.055707859	.0413333	.0720000

### ANOVA

Treatment

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.002	3	.001	44.864	.000
Within Groups	.000	20	.000		
Total	.003	23			



**Multiple Comparisons**

Treatment

Bonferroni

(I) Group	(J) Group	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
G1	G2	-.0197777777*	.0023509914	.000	-.026659410	-.012896146
	_ G3	.0048888890	.0023509914	.304	-.001992743	.011770521
	G4	.0014444447	.0023509914	1.000	-.005437187	.008326077
G2	G1	.0197777777*	.0023509914	.000	.012896146	.026659410
	_ G3	.0246666667*	.0023509914	.000	.017785035	.031548299
	G4	.0212222223*	.0023509914	.000	.014340590	.028103854
G3	G1	-.0048888890	.0023509914	.304	-.011770521	.001992743
	_ G2	-.0246666667*	.0023509914	.000	-.031548299	-.017785035
	G4	-.0034444443	.0023509914	.951	-.010326076	.003437188
G4	G1	-.0014444447	.0023509914	1.000	-.008326077	.005437187
	_ G2	-.0212222223*	.0023509914	.000	-.028103854	-.014340590
	G3	.0034444443	.0023509914	.951	-.003437188	.010326076

\*. The mean difference is significant at the 0.05 level.

## Aortic lesion

### Descriptives

Treatment

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
					1.00	6		
2.00	6	36.7223	18.74727	7.65354	17.0483	56.3964	20.24	71.88
3.00	6	15.4583	21.17891	8.64625	-6.7676	37.6842	.27	45.31
4.00	6	13.6350	6.49587	2.65193	6.8180	20.4520	4.53	21.80
Total	24	16.4539	19.05813	3.89022	8.4064	24.5015	.00	71.88

### ANOVA

Treatment

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	4142.865	3	1380.955	6.559	.003
Within Groups	4211.014	20	210.551		
Total	8353.879	23			

### Multiple Comparisons

Treatment

Bonferroni

(I) Group	(J) Group	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
1.00	2.00	-36.72233*	8.37756	.002	-61.2445	-12.2002
	3.00	-15.45833	8.37756	.479	-39.9805	9.0638
	4.00	-13.63500	8.37756	.716	-38.1571	10.8871
2.00	1.00	36.72233*	8.37756	.002	12.2002	61.2445
	3.00	21.26400	8.37756	.117	-3.2581	45.7861
	4.00	23.08733	8.37756	.073	-1.4348	47.6095
3.00	1.00	15.45833	8.37756	.479	-9.0638	39.9805
	2.00	-21.26400	8.37756	.117	-45.7861	3.2581
	4.00	1.82333	8.37756	1.000	-22.6988	26.3455
4.00	1.00	13.63500	8.37756	.716	-10.8871	38.1571
	2.00	-23.08733	8.37756	.073	-47.6095	1.4348
	3.00	-1.82333	8.37756	1.000	-26.3455	22.6988

\*. The mean difference is significant at the 0.05 level.