OBS	SUB	DOSE	H1	H2	H3	H4	H5	HTOT	V1	V2	V3	V4	V5	VTOT
1	476	0	847	731	653	472	774	3477	22	14	0	2	0	38
2	499	30	986	496	275	205	43	2005	23	20	0	0	0	43
3	508	300	557	478	241	108	302	1686	19	19	0	0	16	54
4	515	1000	1400	716	726	715	450	4007	87	36	57	41	13	234
5	517	0	1339	869	558	513	118	3397	82	30	19	19	8	158
6	520	30	583	1058	871	346	184	3042	30	29	24	0	0	83
7	529	300	1396	1164	941	258	158	3917	64	40	55	1	0	160
8	532	1000	350	681	637	678	616	2962	12	11	19	28	28	98
9	545	30	1496	1076	463	597	376	4008	90	41	7	12	7	157
10	562	300	1805	1152	810	722	696	5185	90	41	23	25	20	199
11	567	1000	1182	918	690	370	346	3506	53	12	23	18	6	112
12	574	30	1200	947	698	324	320	3489	79	45	24	18	15	181
13	583	300	922	784	426	484	188	2804	28	18	12	8	3	69
14	592	0	820	495	478	95	36	1924	27	4	10	0	0	41
15	593	30	887	874	870	709	284	3624	52	11	25	17	7	112
16	602	300	1630	1050	665	235	513	4093	90	47	23	9	20	189
17	607	1000	939	665	432	426	140	2602	49	18	24	15	1	107
18	609	30	1177	929	806	626	387	3925	51	22	10	6	0	89
19	615	300	1283	1162	912	656	628	4641	69	64	33	8	32	206
20	622	1000	1126	968	822	811	26	3753	52	41	29	13	0	135
21	625	300	1207	975	746	450	217	3595	59	53	34	26	3	175
22	630	1000	1013	885	547	403	441	3289	73	36	20	5	14	148
23	636	0	1300	787	304	725	35	3151	72	22	0	16	0	110
24	639	0	1179	1033	963	270	683	4128	60	27	32	6	14	139

```
                25    641      30     311     903    1241    878    660
3993      0    34    33    13    14      94
                26    647     300     665     466     473    255    492
2351     22     3     7     0    11      43
                27    653    1000     729     842     877    843    514
3805     37    28    26    15    13     119
                28    660       0    1168     976     904    745    612
4405     34    28    34    15    11     122
                29    666      30    1057     883     584    680    517
3721     37    18     0    29    14      98
                30    672     300    1383    1184     930    707    342
4546     70    34    15    16     0     135
                31    683       0     668     863     626    533    208
2898     18    27    14     3     4      66
                32    689      30    1532     694    1123    957    848
5154    105    28    38    21    34     226
                33    694     300    1459    1347    1089    888    666
5449     48    24    38    20     4     134
                34    706       0    1372     902     542    286    352
3454     77    32    10     8    27     154
                35    709      30     875     712     597    368     42
2594     43    22     5     2     0      72
                36    718     300    1109    1354    1213    373    799
4848     68    22    39     3    23     155
                37    727    1000    1311     694     243    647    221
3116     69    28     9    11     0     117
                38    731       0    1149    1188     919    745    537
4538     80    64    35    35    14     228
                39    738      30    1620    1137     713    611    504
4585     66    11    16     8     7     108
1                                                        Horizontal by
Interval                     10:34 Monday, October 22, 2007   2

 ------------------------------------------------------------- DOSE=0 -
-------------------------------------------------------------


                                                        Variable   N
Mean
                                                        -------------------
-------
                                                        SUB        9
626.6666667
                                                        H1         9
1093.56
                                                        H2         9
871.5555556
                                                        H3         9
660.7777778
                                                        H4         9
487.1111111
                                                        H5         9
372.7777778
```

HTOT	9	3485.78
V1	9	52.4444444
V2	9	27.5555556
V3	9	17.1111111
V4	9	11.5555556
V5	9	8.6666667
VTOT	9	117.3333333

---------- DOSE=30 ----------

Variable	N	Mean
SUB	11	616.6363636
H1	11	1065.82
H2	11	882.6363636
H3	11	749.1818182
H4	11	572.8181818
H5	11	378.6363636
HTOT	11	3649.09
V1	11	52.3636364
V2	11	25.5454545
V3	11	16.5454545
V4	11	11.4545455
V5	11	8.9090909
VTOT	11	114.8181818

---------- DOSE=300 ----------

Variable	N	Mean
SUB	11	614.0909091
H1	11	1219.64
H2	11	1010.55
H3	11	767.8181818
H4	11	466.9090909
H5	11	454.6363636
HTOT	11	3919.55
V1	11	57.0000000
V2	11	33.1818182
V3	11	25.3636364
V4	11	10.5454545
V5	11	12.0000000
VTOT	11	138.0909091

---------- DOSE=1000 ----------

Variable	N	Mean
SUB	8	606.6250000
H1	8	1006.25
H2	8	796.1250000

H3 8
621.7500000
H4 8
611.6250000
H5 8
344.2500000
HTOT 8
3380.00
V1 8
54.0000000
V2 8
26.2500000
V3 8
25.8750000
V4 8
18.2500000
V5 8
9.3750000
VTOT 8
133.7500000

General Linear Models
Procedure

Class Level
Information

Class Levels
Values

DOSE 4 0
30 300 1000

Number of observations in
data set = 39

General Linear Models
Procedure

Tukey's Studentized Range (HSD)
Test for variable: H1

NOTE: This test controls the type I
experimentwise error rate, but generally has a higher type
II error rate than REGWQ.

Alpha= 0.05 df= 35
MSE= 126105.2

Critical Value of
Studentized Range= 3.814

Minimum Significant
Difference= 437.79

WARNING: Cell sizes are
not equal.

Harmonic Mean of cell
sizes= 9.570997

Means with the same letter are not
significantly different.

Tukey Grouping
Mean N DOSE

A
1219.6 11 300
A
A
1093.6 9 0
A
A
1065.8 11 30
A
A
1006.3 8 1000

General Linear Models
Procedure

Tukey's Studentized Range (HSD)
Test for variable: H2

NOTE: This test controls the type I
experimentwise error rate, but generally has a higher type
II error rate than REGWQ.

Alpha= 0.05 df= 35
MSE= 49267.04

Critical Value of
Studentized Range= 3.814

Minimum Significant
Difference= 273.64

WARNING: Cell sizes are
not equal.

Harmonic Mean of cell
sizes= 9.570997

Means with the same letter are not significantly different.

Tukey Grouping

Mean	N	DOSE	
1010.5	11	300	A
882.6	11	30	A A
871.6	9	0	A A
796.1	8	1000	A A

General Linear Models Procedure

Tukey's Studentized Range (HSD) Test for variable: H3

NOTE: This test controls the type I experimentwise error rate, but generally has a higher type II error rate than REGWQ.

Alpha= 0.05 df= 35 MSE= 67366.58

Critical Value of Studentized Range= 3.814

Minimum Significant Difference= 319.98

WARNING: Cell sizes are not equal.

Harmonic Mean of cell sizes= 9.570997

Means with the same letter are not significantly different.

Tukey Grouping

Mean	N	DOSE	
767.8	11	300	A A

A
749.2 11 30
A
A
660.8 9 0
A
A
621.8 8 1000

General Linear Models Procedure

Tukey's Studentized Range (HSD) Test for variable: H4

NOTE: This test controls the type I experimentwise error rate, but generally has a higher type II error rate than REGWQ.

Alpha= 0.05 df= 35 MSE= 53214.27

Critical Value of Studentized Range= 3.814

Minimum Significant Difference= 284.39

WARNING: Cell sizes are not equal.

Harmonic Mean of cell sizes= 9.570997

Means with the same letter are not significantly different.

Tukey Grouping

Mean N DOSE

A
611.6 8 1000
A
A
572.8 11 30
A
A
487.1 9 0
A
A
466.9 11 300

General Linear Models Procedure

Tukey's Studentized Range (HSD) Test for variable: H5

NOTE: This test controls the type I experimentwise error rate, but generally has a higher type II error rate than REGWQ.

Alpha= 0.05 df= 35 MSE= 58897.15

Critical Value of Studentized Range= 3.814

Minimum Significant Difference= 299.19

WARNING: Cell sizes are not equal.

Harmonic Mean of cell sizes= 9.570997

Means with the same letter are not significantly different.

Mean	N	DOSE	Tukey Grouping
454.6	11	300	A
378.6	11	30	A A
372.8	9	0	A A
344.3	8	1000	A A

General Linear Models Procedure

Repeated Measures Analysis of Variance

Repeated Measures Level Information

Dependent Variable	H1	H2	H3	H4	H5
Level of INTERVAL	1	2	3	4	5

General Linear Models Procedure

Repeated Measures Analysis of Variance

Partial Correlation Coefficients from the Error SS&CP Matrix / Prob > |r|

DF = 35	H1	H2	H3	H4	H5
H1	1.000000	0.459130	0.069515	0.236405	0.093914
	0.0001	0.0049	0.6871	0.1651	0.5859
H2	0.459130	1.000000	0.653048	0.416798	0.320847
	0.0049	0.0001	0.0001	0.0114	0.0564
H3	0.069515	0.653048	1.000000	0.517259	0.586551
	0.6871	0.0001	0.0001	0.0012	0.0002
H4	0.236405	0.416798	0.517259	1.000000	0.425258
	0.1651	0.0114	0.0012	0.0001	0.0097
H5	0.093914	0.320847	0.586551	0.425258	1.000000
	0.5859	0.0564	0.0002	0.0097	0.0001

E = Error SS&CP Matrix

INTERV.N represents the contrast between the nth level of INTERVAL and the last

	INTERV.1	INTERV.2	INTERV.3	INTERV.4
INTERV.1	5908529.192	2439838.556	709242.909	1622667.303
INTERV.2	2439838.556	2575925.340	1480137.682	1370167.314
INTERV.3	709242.909	1480137.682	1832964.364	1018962.864
INTERV.4	1622667.303	1370167.314	1018962.864	2257375.693

General Linear Models Procedure

Repeated Measures Analysis of Variance

Partial Correlation Coefficients from the Error SS&CP Matrix

of the Variables Defined by the Specified Transformation / Prob > |r|

DF = 35	INTERV.1	INTERV.2	INTERV.3	INTERV.4
INTERV.1	1.000000	0.625396	0.215515	0.444312
	0.0001	0.0001	0.2068	0.0066
INTERV.2	0.625396	1.000000	0.681175	0.568205
	0.0001	0.0001	0.0001	0.0003
INTERV.3	0.215515	0.681175	1.000000	0.500933
	0.2068	0.0001	0.0001	0.0019
INTERV.4	0.444312	0.568205	0.500933	1.000000
	0.0066	0.0003	0.0019	0.0001

Test for Sphericity: Mauchly's Criterion = 0.1125696
Chisquare Approximation = 72.988141 with 9 df Prob > Chisquare = 0.0000

Applied to Orthogonal Components:
Test for Sphericity: Mauchly's Criterion = 0.2960578
Chisquare Approximation = 40.674781 with 9 df Prob > Chisquare = 0.0000

Manova Test Criteria and Exact F Statistics for the Hypothesis of no INTERVAL Effect
H = Type III SS&CP Matrix for INTERVAL E = Error SS&CP Matrix

S=1 M=1 N=15

Statistic	Value	F	Num DF	Den DF	Pr > F
Wilks' Lambda	0.15905851	42.2960	4	32	0.0001
Pillai's Trace	0.84094149	42.2960	4	32	0.0001
Hotelling-Lawley Trace	5.28699478	42.2960	4	32	0.0001
Roy's Greatest Root	5.28699478	42.2960	4	32	0.0001

Manova Test Criteria and F Approximations for the Hypothesis of no INTERVAL*DOSE Effect
H = Type III SS&CP Matrix for INTERVAL*DOSE E = Error SS&CP Matrix

S=3 M=0 N=15

Statistic	Value	F	Num DF	Den DF	Pr > F
Wilks' Lambda	0.70922559	0.9817	12	84.95554	0.4728
Pillai's Trace	0.30139308	0.9493	12	102	0.5019
Hotelling-Lawley Trace	0.39502483	1.0095	12	92	0.4469
Roy's Greatest Root	0.35268872	2.9979	4	34	0.0320

NOTE: F Statistic for Roy's Greatest Root is an upper bound.

General Linear Models Procedure

Repeated Measures Analysis of Variance

Tests of Hypotheses for Between Subjects Effects

Source	DF	Type III SS	Mean Square	F Value	Pr > F
DOSE	3	322634.11033411	107544.70344470	0.65	0.5900
Error	35	5816329.03838384	166180.82966811		

General Linear Models Procedure

Repeated Measures Analysis of Variance

Univariate Tests of Hypotheses for Within Subject Effects

Source	DF	Type III SS	Mean Square	F Value	Pr > F	Adjusted Pr > F G - G	Adjusted Pr > F H - F
INTERVAL	4	12091992.21271	3022998.05318	64.09	0.0001	0.0001	0.0001
INTERVAL*DOSE	12	487181.11364	40598.42614	0.86	0.5882	0.5453	0.5590
Error(INTERVAL)	140	6603429.01970	47167.35014				

Greenhouse-Geisser Epsilon = 0.6129

Huynh-Feldt Epsilon = 0.7191

General Linear Models Procedure

Repeated Measures Analysis of Variance

Analysis of Variance of Contrast Variables

INTERV.N represents the contrast between the nth level of INTERVAL and the last

Contrast Variable: INTERV.1

Source	DF	Type III SS	Mean Square	F Value	Pr > F
MEAN	1	19230515.89514480	19230515.89514480	113.91	0.0001
DOSE	3	58364.70551671	19454.90183890	0.12	0.9506
Error	35	5908529.19191920	168815.11976912		

Contrast Variable: INTERV.2

Source	DF	Type III SS	Mean Square	F Value	Pr > F
MEAN	1	9672351.51066939	9672351.51066939	131.42	0.0001
DOSE	3	51328.09625097	17109.36541699	0.23	0.8731
Error	35	2575925.33964647	73597.86684704		

Contrast Variable: INTERV.3

Source	DF	Type III SS	Mean Square	F Value	Pr > F
MEAN	1	3734049.76709695	3734049.76709695	71.30	0.0001
DOSE	3	51726.55944056	17242.18648019	0.33	0.8042
Error	35	1832964.36363636	52370.41038961		

Contrast Variable: INTERV.4

Source	DF	Type III SS	Mean Square	F Value	Pr > F

MEAN 1 827737.07858418
827737.07858418 12.83 0.0010
DOSE 3 347461.99912587
115820.66637529 1.80 0.1660

Error 35 2257375.69318182
64496.44837662

General Linear Models
Procedure

Least Squares
Means

DOSE	H1 LSMEAN	H2 LSMEAN	H3 LSMEAN	H4 LSMEAN	H5 LSMEAN
0	1093.55556	871.55556	660.777778	487.111111	372.777778
30	1065.81818	882.63636	749.181818	572.818182	378.636364
300	1219.63636	1010.54545	767.818182	466.909091	454.636364
1000	1006.25000	796.12500	621.750000	611.625000	344.250000

Analysis of Variance
Procedure

Class Level
Information

Class	Levels	Values
DOSE	4	0 30 300 1000

Number of observations in
data set = 39

Analysis of Variance
Procedure

Dependent Variable: HTOT

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	1613170.55167055	537723.51722352	0.65	0.5900
Error	35	29081645.19191910	830904.14834055		
Corrected Total	38	30694815.74358970			

R-Square	C.V.	Root MSE	HTOT Mean
0.052555	25.09409	911.53943872	3632.48717949

Source	DF	Anova SS	Mean Square	F Value	Pr > F
DOSE	3	1613170.55167049	537723.51722350	0.65	0.5900

Analysis of Variance
Procedure

Tukey's Studentized Range (HSD)
Test for variable: HTOT

NOTE: This test controls the type I
experimentwise error rate.

Alpha= 0.05 Confidence= 0.95
df= 35 MSE= 830904.1

Critical Value of
Studentized Range= 3.814

Comparisons significant at the 0.05
level are indicated by '***'.

Simultaneous
Simultaneous

DOSE Comparison	Lower Confidence Limit	Difference Between Means	Upper Confidence Limit
300 - 30	-777.8	270.5	1318.7
300 - 0	-671.2	433.8	1538.7
300 - 1000	-602.7	539.5	1681.8
30 - 300	-1318.7	-270.5	777.8
30 - 0	-941.6	163.3	1268.3
30 - 1000	-873.2	269.1	1411.4
0 - 300	-1538.7	-433.8	671.2
0 - 30	-1268.3	-163.3	941.6
0 - 1000	-1088.8	105.8	1300.3
1000 - 300	-1681.8	-539.5	602.7
1000 - 30	-1411.4	-269.1	873.2
1000 - 0	-1300.3	-105.8	1088.8

General Linear Models Procedure

Class Level Information

Class	Levels	Values
DOSE	4	0 30 300 1000

Number of observations in data set = 39

General Linear Models Procedure

Tukey's Studentized Range (HSD) Test for variable: V1

NOTE: This test controls the type I experimentwise error rate, but generally has a higher type II error rate than REGWQ.

Alpha= 0.05 df= 35 MSE= 722.9362

Critical Value of Studentized Range= 3.814

Minimum Significant Difference= 33.148

WARNING: Cell sizes are not equal.

Harmonic Mean of cell sizes= 9.570997

Means with the same letter are not significantly different.

Mean	N	DOSE	Tukey Grouping
57.00	11	300	A
54.00	8	1000	A A
52.44	9	0	A A
52.36	11	30	A A

General Linear Models Procedure

Tukey's Studentized Range (HSD) Test for variable: V2

NOTE: This test controls the type I experimentwise error rate, but generally has a higher type II error rate than REGWQ.

Alpha= 0.05 df= 35 MSE= 213.6596

Critical Value of Studentized Range= 3.814

Minimum Significant Difference= 18.02

WARNING: Cell sizes are not equal.

Harmonic Mean of cell sizes= 9.570997

Means with the same letter are not significantly different.

Mean	N	DOSE	Tukey Grouping
33.182	11	300	A
27.556	9	0	A A
26.250	8	1000	A A
25.545	11	30	A A

General Linear Models Procedure

Tukey's Studentized Range (HSD) Test for variable: V3

NOTE: This test controls the type I experimentwise error rate, but generally has a higher type II error rate than REGWQ.

Alpha= 0.05 df= 35 MSE= 207.0582

Critical Value of Studentized Range= 3.814

Minimum Significant Difference= 17.74

WARNING: Cell sizes are not equal.

Harmonic Mean of cell sizes= 9.570997

Means with the same letter are not significantly different.

Mean	N	DOSE	Tukey Grouping
25.875	8	1000	A
25.364	11	300	A A
17.111	9	0	A A
16.545	11	30	A A

General Linear Models Procedure

Tukey's Studentized Range (HSD) Test for variable: V4

NOTE: This test controls the type I experimentwise error rate, but generally has a higher type II error rate than REGWQ.

Alpha= 0.05 df= 35 MSE= 105.4051

Critical Value of Studentized Range= 3.814

Minimum Significant Difference= 12.657

WARNING: Cell sizes are not equal.

Harmonic Mean of cell sizes= 9.570997

Means with the same letter are not significantly different.

Mean	N	DOSE	Tukey Grouping

A
18.250 8 1000
A
A
11.556 9 0
A
A
11.455 11 30
A
A
10.545 11 300

General Linear Models Procedure

Tukey's Studentized Range (HSD) Test for variable: V5

NOTE: This test controls the type I experimentwise error rate, but generally has a higher type II error rate than REGWQ.

Alpha= 0.05 df= 35 MSE= 100.7081

Critical Value of Studentized Range= 3.814

Minimum Significant Difference= 12.372

WARNING: Cell sizes are not equal.

Harmonic Mean of cell sizes= 9.570997

Means with the same letter are not significantly different.

Tukey Grouping

Mean N DOSE

A
12.000 11 300
A
A
9.375 8 1000
A
A
8.909 11 30
A

A
8.667 9 0

General Linear Models
Procedure
Repeated Measures
Analysis of Variance
Repeated Measures Level
Information

Dependent Variable	V1	V2	V3	V4	V5
Level of INTERVAL	1	2	3	4	5

General Linear Models
Procedure
Repeated Measures
Analysis of Variance

Partial Correlation Coefficients from the
Error SS&CP Matrix / Prob > |r|

DF = 35	V1	V2	V3	V4	V5
V1	1.000000	0.528919	0.328427	0.392788	0.294550
		0.0001	0.0009	0.0505	0.0178	0.0812
V2	0.528919	1.000000	0.451352	0.375237	0.249795
		0.0009	0.0001	0.0057	0.0241	0.1418
V3	0.328427	0.451352	1.000000	0.386564	0.254891
		0.0505	0.0057	0.0001	0.0199	0.1335
V4	0.392788	0.375237	0.386564	1.000000	0.293222

0.0178 0.0241
0.0199 0.0001 0.0826

V5 0.294550 0.249795
0.254891 0.293222 1.000000
0.0812 0.1418
0.1335 0.0826 0.0001

E = Error SS&CP
Matrix

INTERV.N represents the contrast between the
nth level of INTERVAL and the last

INTERV.1 INTERV.2
INTERV.3 INTERV.4

INTERV.1 23264.15783 6736.22096
3902.20707 3480.67551
INTERV.2 6736.22096 8437.94571
4276.76263 3155.85480
INTERV.3 3902.20707 4276.76263
8195.31313 3177.94444
INTERV.4 3480.67551 3155.85480
3177.94444 5099.21843

General Linear Models
Procedure
Repeated Measures
Analysis of Variance

Partial Correlation Coefficients
from the Error SS&CP Matrix
of the Variables Defined by the Specified
Transformation / Prob > |r|

DF = 35 INTERV.1 INTERV.2
INTERV.3 INTERV.4

INTERV.1 1.000000 0.480789
0.282608 0.319572
0.0001 0.0030
0.0949 0.0574

INTERV.2 0.480789 1.000000
0.514297 0.481113
0.0030 0.0001
0.0013 0.0030

```
                                          INTERV.3    0.282608  0.514297
1.000000  0.491600
                                                        0.0949    0.0013
0.0001    0.0023

                                          INTERV.4    0.319572  0.481113
0.491600  1.000000
                                                        0.0574    0.0030
0.0023    0.0001


                                        Test for Sphericity: Mauchly's
Criterion = 0.1965075
                               Chisquare Approximation = 54.370749 with 9
df   Prob > Chisquare = 0.0000

                                                  Applied to Orthogonal
Components:
                                        Test for Sphericity: Mauchly's
Criterion = 0.3469006
                               Chisquare Approximation = 35.378796 with 9
df   Prob > Chisquare = 0.0001


                         Manova Test Criteria and Exact F Statistics for
the Hypothesis of no INTERVAL Effect
                                   H = Type III SS&CP Matrix for INTERVAL
E = Error SS&CP Matrix

                                                              S=1    M=1
N=15

                             Statistic                      Value
F      Num DF    Den DF  Pr > F

                             Wilks' Lambda              0.21007885
30.0809         4        32  0.0001
                             Pillai's Trace             0.78992115
30.0809         4        32  0.0001
                             Hotelling-Lawley Trace     3.76011755
30.0809         4        32  0.0001
                             Roy's Greatest Root        3.76011755
30.0809         4        32  0.0001

                       Manova Test Criteria and F Approximations for the
Hypothesis of no INTERVAL*DOSE Effect
                                 H = Type III SS&CP Matrix for
INTERVAL*DOSE   E = Error SS&CP Matrix

                                                              S=3    M=0
N=15
```

Statistic	Value	F	Num DF	Den DF	Pr > F
Wilks' Lambda	0.79079021	0.6568	12	84.95554	0.7874
Pillai's Trace	0.21951430	0.6711	12	102	0.7754
Hotelling-Lawley Trace	0.25156186	0.6429	12	92	0.8003
Roy's Greatest Root	0.18101454	1.5386	4	34	0.2131

NOTE: F Statistic for Roy's Greatest Root is an upper bound.

General Linear Models Procedure

Repeated Measures Analysis of Variance

Tests of Hypotheses for Between Subjects Effects

Source	DF	Type III SS	Mean Square	F Value	Pr > F
DOSE	3	827.80629371	275.93543124	0.46	0.7141
Error	35	21136.40909091	603.89740260		

General Linear Models Procedure

Repeated Measures Analysis of Variance

Univariate Tests of Hypotheses for Within Subject Effects

Source	DF	Type III SS	Mean Square	F Value	Pr > F	Adjusted Pr > F G - G	Adjusted Pr > F H - F
INTERVAL	4	47479.95703714	11869.98925928	63.66	0.0001	0.0001	0.0001

INTERVAL*DOSE 12 861.36833722
71.78069477 0.38 0.9671 0.9148 0.9347

Error(INTERVAL) 140 26105.44191919
186.46744228

Greenhouse-Geisser
Epsilon = 0.6100
Huynh-Feldt
Epsilon = 0.7153

General Linear Models
Procedure
Repeated Measures
Analysis of Variance
Analysis of Variance of
Contrast Variables

INTERV.N represents the contrast between the
nth level of INTERVAL and the last

Contrast Variable: INTERV.1

Source DF Type III SS
Mean Square F Value Pr > F

MEAN 1 74841.63783225
74841.63783225 112.60 0.0001
DOSE 3 16.20114608
5.40038203 0.01 0.9990

Error 35 23264.15782828
664.69022367

Contrast Variable: INTERV.2

Source DF Type III SS
Mean Square F Value Pr > F

MEAN 1 12955.11279334
12955.11279334 53.74 0.0001
DOSE 3 139.79788267
46.59929422 0.19 0.9003

Error 35 8437.94570707
241.08416306

Contrast Variable: INTERV.3

Source DF Type III SS
Mean Square F Value Pr > F

MEAN 1 5050.83517959
5050.83517959 21.57 0.0001
DOSE 3 484.12276612
161.37425537 0.69 0.5648

Error 35 8195.31313131
234.15180375

Contrast Variable: INTERV.4

Source DF Type III SS
Mean Square F Value Pr > F

MEAN 1 395.39183756
395.39183756 2.71 0.1084
DOSE 3 495.14054002
165.04684667 1.13 0.3492

Error 35 5099.21843434
145.69195527

General Linear Models
Procedure
Least Squares
Means

DOSE	V1 LSMEAN	V2 LSMEAN	V3 LSMEAN	V4 LSMEAN	V5 LSMEAN
0	52.4444444	27.5555556	17.1111111	11.5555556	8.6666667
30	52.3636364	25.5454545	16.5454545	11.4545455	8.9090909
300	57.0000000	33.1818182	25.3636364	10.5454545	12.0000000
1000	54.0000000	26.2500000	25.8750000	18.2500000	9.3750000

Analysis of Variance
Procedure
Class Level
Information

Class Levels
Values

DOSE 4 0
30 300 1000

Number of observations in
data set = 39

Analysis of Variance
Procedure

Dependent Variable: VTOT

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	4139.03146853	1379.67715618	0.46	0.7141
Error	35	105682.04545455	3019.48701299		
Corrected Total	38	109821.07692308			

R-Square	C.V.	Root MSE	VTOT Mean
0.037689	43.66431	54.94985908	125.84615385

Source	DF	Anova SS	Mean Square	F Value	Pr > F
DOSE	3	4139.03146853	1379.67715618	0.46	0.7141

Analysis of Variance
Procedure

Tukey's Studentized Range (HSD)
Test for variable: VTOT

NOTE: This test controls the type I experimentwise error rate.

Alpha= 0.05 Confidence= 0.95

df= 35 MSE= 3019.487

Critical Value of Studentized Range= 3.814

Comparisons significant at the 0.05 level are indicated by '***'.

DOSE Comparison	Simultaneous Lower Confidence Limit	Simultaneous Difference Between Means	Simultaneous Upper Confidence Limit
300 - 1000	-64.52	4.34	73.20
300 - 0	-45.85	20.76	87.37
300 - 30	-39.92	23.27	86.46
1000 - 300	-73.20	4.34	64.52
1000 - 0	-55.59	16.42	88.43
1000 - 30	-49.93	18.93	87.79
0 - 300	-87.37	20.76	45.85
0 - 1000	-88.43	16.42	55.59
0 - 30	-64.09	2.52	69.12
30 - 300	-86.46	23.27	39.92
30 - 1000	-87.79	18.93	49.93
30 - 0	-69.12	2.52	64.09