The FREQ Procedure

Frequency
Percent
Row Pct
Col Pct

Table of Drug by Apoptosis_yes_1_more_than_1_ap			
	Apoptosis_yes_1_more_than_1_ap(Apoptosis (yes 1 (more than 1 apoptosis) 0 no))		
Drug	0	1	Total
CONTR	7 29.17 46.67 77.78	8 33.33 53.33 53.33	15 62.50
D	2 8.33 22.22 22.22	7 29.17 77.78 46.67	9 37.50
Total	9 37.50	15 62.50	24 100.00

Statistics for Table of Drug by Apoptosis_yes_1_more_than_1_ap

Statistic	DF	Value	Prob
Chi-Square	1	1.4341	0.2311
Likelihood Ratio Chi-Square	1	1.4926	0.2218
Continuity Adj. Chi-Square	1	0.5807	0.4460
Mantel-Haenszel Chi-Square	1	1.3743	0.2411
Phi Coefficient		0.2444	
Contingency Coefficient		0.2375	
Cramer's V		0.2444	

WARNING: 25% of the cells have expected counts less than 5. Chi-Square may not be a valid test.

Fisher's Exact Test	
Cell (1,1) Frequency (F)	7
Left-sided Pr <= F	0.9519
Right-sided Pr >= F	0.2253
Table Probability (P)	0.1772
Two-sided Pr <= P	0.3891

Sample Size = 24

Frequency
Percent
Row Pct
Col Pct

Table of Drug by Keratinisation_0_2_0_NONE_2_Ext		
	Keratinisation_0_2_0_NONE_2_Ext(Keratinisation 0-2 (0 NONE 2 Extensively))	
Drug	0	Total
CONTR	15 62.50 100.00 62.50	15 62.50
D	9 37.50 100.00 37.50	9 37.50
Total	24 100.00	24 100.00

The FREQ Procedure

Frequency
Percent
Row Pct
Col Pct

Table of Drug by Disorganised_0_2			
	Disorganised_0_2(Disorganised 0-2)		
Drug	0	1	Total
CONTR	2 8.33 13.33 66.67	13 54.17 86.67 61.90	15 62.50
D	1 4.17 11.11 33.33	8 33.33 88.89 38.10	9 37.50
Total	3 12.50	21 87.50	24 100.00

Statistics for Table of Drug by Disorganised_0_2

Statistic	DF	Value	Prob
Chi-Square	1	0.0254	0.8734
Likelihood Ratio Chi-Square	1	0.0258	0.8725
Continuity Adj. Chi-Square	1	0.0000	1.0000
Mantel-Haenszel Chi-Square	1	0.0243	0.8760
Phi Coefficient		0.0325	
Contingency Coefficient		0.0325	
Cramer's V		0.0325	
WARNING: 50% of the cells have expected counts less than 5. Chi-Square may not be a valid test.			

Fisher's Exact Test	
Cell (1,1) Frequency (F)	2
Left-sided Pr <= F	0.7752
Right-sided Pr >= F	0.6917
Table Probability (P)	0.4669
Two-sided Pr <= P	1.0000

Sample Size = 24

Frequency
Percent
Row Pct
Col Pct

Table of Drug by Cell_atypia_yes_1_no_0			
	Cell_atypia_yes_1_no_0(Cell atypia yes 1, no 0)		
Drug	0	1	Total
CONTR	15 62.50 100.00 78.95	0 0.00 0.00 0.00	15 62.50
D	4 16.67 44.44 21.05	5 20.83 55.56 100.00	9 37.50
Total	19 79.17	5 20.83	24 100.00

The FREQ Procedure

Statistics for Table of Drug by Cell_atypia_yes_1_no_0

Statistic	DF	Value	Prob
Chi-Square	1	10.5263	0.0012
Likelihood Ratio Chi-Square	1	12.1982	0.0005
Continuity Adj. Chi-Square	1	7.4274	0.0064
Mantel-Haenszel Chi-Square	1	10.0877	0.0015
Phi Coefficient		0.6623	
Contingency Coefficient		0.5522	
Cramer's V		0.6623	
WARNING: 50% of the cells have expected counts less than 5. Chi-Square may not be a valid test.			

Fisher's Exact Test	
Cell (1,1) Frequency (F)	15
Left-sided Pr <= F	1.0000
Right-sided Pr >= F	0.0030
Table Probability (P)	0.0030
Two-sided Pr <= P	0.0030

Sample Size = 24

Frequency Percent Row Pct Col Pct	Table of Drug by Metaplasia_0_2	
	Metaplasia_0_2(Metaplasia 0-2)	
Drug	0	Total
CONTR	15 62.50 100.00 62.50	15 62.50
D	9 37.50 100.00 37.50	9 37.50
Total	24 100.00	24 100.00

Frequency Percent Row Pct Col Pct	Table of Drug by Keratin_pearl_1_yes_0_no_	
	Keratin_pearl_1_yes_0_no_(Keratin pearl (1 yes, 0 no))	
Drug	0	Total
CONTR	15 62.50 100.00 62.50	15 62.50
D	9 37.50 100.00 37.50	9 37.50
Total	24 100.00	24 100.00

The FREQ Procedure

Frequency
Percent
Row Pct
Col Pct

Table of Drug by Apoptosis_yes_1_more_than_1_ap			
	Apoptosis_yes_1_more_than_1_ap(Apoptosis (yes 1 (more than 1 apoptosis) 0 no))		
Drug	0	1	Total
CONTR	7 29.17 46.67 46.67	8 33.33 53.33 88.89	15 62.50
Z	8 33.33 88.89 53.33	1 4.17 11.11 11.11	9 37.50
Total	15 62.50	9 37.50	24 100.00

Statistics for Table of Drug by Apoptosis_yes_1_more_than_1_ap

Statistic	DF	Value	Prob
Chi-Square	1	4.2785	0.0386
Likelihood Ratio Chi-Square	1	4.7484	0.0293
Continuity Adj. Chi-Square	1	2.6667	0.1025
Mantel-Haenszel Chi-Square	1	4.1002	0.0429
Phi Coefficient		-0.4222	
Contingency Coefficient		0.3890	
Cramer's V		-0.4222	
WARNING: 25% of the cells have expected counts less than 5. Chi-Square may not be a valid test.			

Fisher's Exact Test	
Cell (1,1) Frequency (F)	7
Left-sided Pr <= F	0.0481
Right-sided Pr >= F	0.9962
Table Probability (P)	0.0443
Two-sided Pr <= P	0.0803

Sample Size = 24

Frequency
Percent
Row Pct
Col Pct

Table of Drug by Keratinisation_0_2_0_NONE_2_Ext		
	Keratinisation_0_2_0_NONE_2_Ext(Keratinisation 0-2 (0 NONE 2 Extensively))	
Drug	0	Total
CONTR	15 62.50 100.00 62.50	15 62.50
Z	9 37.50 100.00 37.50	9 37.50
Total	24 100.00	24 100.00

The FREQ Procedure

Frequency
Percent
Row Pct
Col Pct

Table of Drug by Disorganised_0_2			
	Disorganised_0_2(Disorganised 0-2)		
Drug	0	1	Total
CONTR	2 8.33 13.33 22.22	13 54.17 86.67 86.67	15 62.50
Z	7 29.17 77.78 77.78	2 8.33 22.22 13.33	9 37.50
Total	9 37.50	15 62.50	24 100.00

Statistics for Table of Drug by Disorganised_0_2

Statistic	DF	Value	Prob
Chi-Square	1	9.9674	0.0016
Likelihood Ratio Chi-Square	1	10.4401	0.0012
Continuity Adj. Chi-Square	1	7.4074	0.0065
Mantel-Haenszel Chi-Square	1	9.5521	0.0020
Phi Coefficient		-0.6444	
Contingency Coefficient		0.5417	
Cramer's V		-0.6444	
WARNING: 25% of the cells have expected counts less than 5. Chi-Square may not be a valid test.			

Fisher's Exact Test	
Cell (1,1) Frequency (F)	2
Left-sided Pr <= F	0.0030
Right-sided Pr >= F	0.9999
Table Probability (P)	0.0029
Two-sided Pr <= P	0.0030

Sample Size = 24

Frequency
Percent
Row Pct
Col Pct

Table of Drug by Cell_atypia_yes_1_no_0		
	Cell_atypia_yes_1_no_0(Cell atypia yes 1, no 0)	
Drug	0	Total
CONTR	15 62.50 100.00 62.50	15 62.50
Z	9 37.50 100.00 37.50	9 37.50
Total	24 100.00	24 100.00

The FREQ Procedure

Frequency
Percent
Row Pct
Col Pct

Table of Drug by Metaplasia_0_2

Drug	Metaplasia_0_2(Metaplasia 0-2) 0	Total
CONTR	15 62.50 100.00 62.50	15 62.50
Z	9 37.50 100.00 37.50	9 37.50
Total	24 100.00	24 100.00

Frequency
Percent
Row Pct
Col Pct

Table of Drug by Keratin_pearl_1_yes_0_no_

Drug	Keratin_pearl_1_yes_0_no_(Keratin pearl (1 yes, 0 no)) 0	Total
CONTR	15 62.50 100.00 62.50	15 62.50
Z	9 37.50 100.00 37.50	9 37.50
Total	24 100.00	24 100.00

The FREQ Procedure

Frequency
Percent
Row Pct
Col Pct

Table of Drug by Apoptosis_yes_1_more_than_1_ap			
	Apoptosis_yes_1_more_than_1_ap(Apoptosis (yes 1 (more than 1 apoptosis) 0 no))		
Drug	0	1	Total
AL	2 8.33 22.22 22.22	7 29.17 77.78 46.67	9 37.50
CONTR	7 29.17 46.67 77.78	8 33.33 53.33 53.33	15 62.50
Total	9 37.50	15 62.50	24 100.00

Statistics for Table of Drug by Apoptosis_yes_1_more_than_1_ap

Statistic	DF	Value	Prob
Chi-Square	1	1.4341	0.2311
Likelihood Ratio Chi-Square	1	1.4926	0.2218
Continuity Adj. Chi-Square	1	0.5807	0.4460
Mantel-Haenszel Chi-Square	1	1.3743	0.2411
Phi Coefficient		-0.2444	
Contingency Coefficient		0.2375	
Cramer's V		-0.2444	

WARNING: 25% of the cells have expected counts less than 5. Chi-Square may not be a valid test.

Fisher's Exact Test	
Cell (1,1) Frequency (F)	2
Left-sided Pr <= F	0.2253
Right-sided Pr >= F	0.9519
Table Probability (P)	0.1772
Two-sided Pr <= P	0.3891

Sample Size = 24

Frequency
Percent
Row Pct
Col Pct

Table of Drug by Keratinisation_0_2_0_NONE_2_Ext			
	Keratinisation_0_2_0_NONE_2_Ext(Keratinisation 0-2 (0 NONE 2 Extensively))		
Drug	0	1	Total
AL	3 12.50 33.33 16.67	6 25.00 66.67 100.00	9 37.50
CONTR	15 62.50 100.00 83.33	0 0.00 0.00 0.00	15 62.50
Total	18 75.00	6 25.00	24 100.00

The FREQ Procedure

Statistics for Table of Drug by Keratinisation_0_2_0_NONE_2_Ext

Statistic	DF	Value	Prob
Chi-Square	1	13.3333	0.0003
Likelihood Ratio Chi-Square	1	15.5348	<.0001
Continuity Adj. Chi-Square	1	10.0148	0.0016
Mantel-Haenszel Chi-Square	1	12.7778	0.0004
Phi Coefficient		-0.7454	
Contingency Coefficient		0.5976	
Cramer's V		-0.7454	
WARNING: 50% of the cells have expected counts less than 5. Chi-Square may not be a valid test.			

Fisher's Exact Test	
Cell (1,1) Frequency (F)	3
Left-sided Pr <= F	0.0006
Right-sided Pr >= F	1.0000
Table Probability (P)	0.0006
Two-sided Pr <= P	0.0006

Sample Size = 24

Frequency
Percent
Row Pct
Col Pct

Table of Drug by Disorganised_0_2

Drug	Disorganised_0_2(Disorganised 0-2) 0	1	2	Total
AL	2 8.33 22.22 50.00	3 12.50 33.33 18.75	4 16.67 44.44 100.00	9 37.50
CONTR	2 8.33 13.33 50.00	13 54.17 86.67 81.25	0 0.00 0.00 0.00	15 62.50
Total	4 16.67	16 66.67	4 16.67	24 100.00

Statistics for Table of Drug by Disorganised_0_2

Statistic	DF	Value	Prob
Chi-Square	2	9.3333	0.0094
Likelihood Ratio Chi-Square	2	10.7674	0.0046
Mantel-Haenszel Chi-Square	1	2.0444	0.1528
Phi Coefficient		0.6236	
Contingency Coefficient		0.5292	
Cramer's V		0.6236	
WARNING: 67% of the cells have expected counts less than 5. Chi-Square may not be a valid test.			

Fisher's Exact Test	
Table Probability (P)	0.0026
Pr <= P	0.0059

Sample Size = 24

The FREQ Procedure

Frequency Percent Row Pct Col Pct	Table of Drug by Cell_atypia_yes_1_no_0		
	Cell_atypia_yes_1_no_0(Cell atypia yes 1, no 0)		
Drug	0	1	Total
AL	5 20.83 55.56 25.00	4 16.67 44.44 100.00	9 37.50
CONTR	15 62.50 100.00 75.00	0 0.00 0.00 0.00	15 62.50
Total	20 83.33	4 16.67	24 100.00

Statistics for Table of Drug by Cell_atypia_yes_1_no_0

Statistic	DF	Value	Prob
Chi-Square	1	8.0000	0.0047
Likelihood Ratio Chi-Square	1	9.2616	0.0023
Continuity Adj. Chi-Square	1	5.1200	0.0237
Mantel-Haenszel Chi-Square	1	7.6667	0.0056
Phi Coefficient		-0.5774	
Contingency Coefficient		0.5000	
Cramer's V		-0.5774	
WARNING: 50% of the cells have expected counts less than 5. Chi-Square may not be a valid test.			

Fisher's Exact Test	
Cell (1,1) Frequency (F)	5
Left-sided Pr <= F	0.0119
Right-sided Pr >= F	1.0000
Table Probability (P)	0.0119
Two-sided Pr <= P	0.0119

Sample Size = 24

Frequency Percent Row Pct Col Pct	Table of Drug by Metaplasia_0_2		
	Metaplasia_0_2(Metaplasia 0-2)		
Drug	0	1	Total
AL	5 20.83 55.56 25.00	4 16.67 44.44 100.00	9 37.50
CONTR	15 62.50 100.00 75.00	0 0.00 0.00 0.00	15 62.50
Total	20 83.33	4 16.67	24 100.00

The FREQ Procedure

Statistics for Table of Drug by Metaplasia_0_2

Statistic	DF	Value	Prob
Chi-Square	1	8.0000	0.0047
Likelihood Ratio Chi-Square	1	9.2616	0.0023
Continuity Adj. Chi-Square	1	5.1200	0.0237
Mantel-Haenszel Chi-Square	1	7.6667	0.0056
Phi Coefficient		-0.5774	
Contingency Coefficient		0.5000	
Cramer's V		-0.5774	
WARNING: 50% of the cells have expected counts less than 5. Chi-Square may not be a valid test.			

Fisher's Exact Test	
Cell (1,1) Frequency (F)	5
Left-sided Pr <= F	0.0119
Right-sided Pr >= F	1.0000
Table Probability (P)	0.0119
Two-sided Pr <= P	0.0119

Sample Size = 24

Frequency
Percent
Row Pct
Col Pct

Table of Drug by Keratin_pearl_1_yes_0_no_			
	Keratin_pearl_1_yes_0_no_(Keratin pearl (1 yes, 0 no))		
Drug	0	1	Total
AL	7 29.17 77.78 31.82	2 8.33 22.22 100.00	9 37.50
CONTR	15 62.50 100.00 68.18	0 0.00 0.00 0.00	15 62.50
Total	22 91.67	2 8.33	24 100.00

The FREQ Procedure

Statistics for Table of Drug by Keratin_pearl_1_yes_0_no_

Statistic	DF	Value	Prob
Chi-Square	1	3.6364	0.0565
Likelihood Ratio Chi-Square	1	4.2334	0.0396
Continuity Adj. Chi-Square	1	1.3091	0.2526
Mantel-Haenszel Chi-Square	1	3.4848	0.0619
Phi Coefficient		-0.3892	
Contingency Coefficient		0.3627	
Cramer's V		-0.3892	
WARNING: 50% of the cells have expected counts less than 5. Chi-Square may not be a valid test.			

Fisher's Exact Test	
Cell (1,1) Frequency (F)	7
Left-sided Pr <= F	0.1304
Right-sided Pr >= F	1.0000
Table Probability (P)	0.1304
Two-sided Pr <= P	0.1304

Sample Size = 24

The MEANS Procedure

Drug	N Obs	Variable	Label	N	Mean	Std Dev	Lower 95% CL for Mean	Upper 95% CL for Mean	Minimum	Lower Quartile	Median	Upper Quartile
AE	12	fibro_width_um	fibro width um	12	97.717	56.280	61.959	133.476	29.620	51.050	75.070	156.678
		epithelium_width_um	epithelium width um	12	77.403	30.780	57.847	96.960	22.500	60.730	76.599	105.700
		KI_67_positive_cells_40x	KI-67 positive cells 40x	12	7.667	8.998	1.949	13.384	0.000	0.500	2.500	14.500
AL	9	fibro_width_um	fibro width um	9	54.352	14.689	43.061	65.643	43.870	46.460	48.040	54.060
		epithelium_width_um	epithelium width um	9	101.383	37.554	72.517	130.250	49.150	64.100	119.400	130.300
		KI_67_positive_cells_40x	KI-67 positive cells 40x	9	12.889	6.274	8.066	17.711	2.000	10.000	12.000	18.000
AL_AE	12	fibro_width_um	fibro width um	12	66.713	31.184	46.899	86.526	26.220	44.600	54.585	97.220
		epithelium_width_um	epithelium width um	12	88.323	44.594	59.990	116.657	39.330	46.550	81.660	129.300
		KI_67_positive_cells_40x	KI-67 positive cells 40x	12	15.167	7.614	10.329	20.004	5.000	8.500	14.000	21.000
AL_GLU	12	fibro_width_um	fibro width um	12	35.658	27.774	18.011	53.304	0.000	15.470	33.000	50.990
		epithelium_width_um	epithelium width um	12	94.023	32.556	73.337	114.708	60.650	64.475	81.560	117.150
		KI_67_positive_cells_40x	KI-67 positive cells 40x	12	17.083	8.544	11.655	22.512	5.000	9.000	16.500	24.500
CONTR	15	fibro_width_um	fibro width um	15	59.114	45.657	33.830	84.398	0.000	25.150	50.170	78.750
		epithelium_width_um	epithelium width um	15	67.315	70.402	28.328	106.303	15.730	42.200	55.430	64.140
		KI_67_positive_cells_40x	KI-67 positive cells 40x	15	2.733	3.751	0.656	4.810	0.000	0.000	0.000	6.000
D	9	fibro_width_um	fibro width um	9	77.559	43.037	44.478	110.640	30.140	35.230	68.030	114.600
		epithelium_width_um	epithelium width um	9	77.872	30.891	54.128	101.617	24.640	62.850	72.200	105.600
		KI_67_positive_cells_40x	KI-67 positive cells 40x	9	10.222	8.059	4.028	16.417	0.000	0.000	13.000	16.000
D_AE	9	fibro_width_um	fibro width um	9	49.701	32.387	24.806	74.596	0.000	41.440	42.830	67.480
		epithelium_width_um	epithelium width um	9	74.486	15.687	62.427	86.544	56.390	63.400	70.800	82.080
		KI_67_positive_cells_40x	KI-67 positive cells 40x	9	6.778	9.189	-0.286	13.841	0.000	0.000	2.000	14.000
D_GLU	9	fibro_width_um	fibro width um	9	104.887	49.976	66.472	143.302	49.686	76.860	82.021	166.300
		epithelium_width_um	epithelium width um	9	72.269	38.842	42.413	102.126	27.680	38.690	71.710	104.433
		KI_67_positive_cells_40x	KI-67 positive cells 40x	9	1.222	1.641	-0.040	2.484	0.000	0.000	1.000	2.000
GLU	9	fibro_width_um	fibro width um	9	107.280	30.838	83.576	130.984	61.010	90.586	101.260	123.914
		epithelium_width_um	epithelium width um	9	121.718	39.961	91.002	152.435	54.717	98.760	110.870	138.365
		KI_67_positive_cells_40x	KI-67 positive cells 40x	9	0.667	0.707	0.123	1.210	0.000	0.000	1.000	1.000
Z	9	fibro_width_um	fibro width um	9	44.743	27.674	23.471	66.015	16.760	18.980	33.440	64.610
		epithelium_width_um	epithelium width um	9	43.789	14.158	32.906	54.672	30.340	32.540	36.580	51.720
		KI_67_positive_cells_40x	KI-67 positive cells 40x	9	0.222	0.441	-0.117	0.561	0.000	0.000	0.000	0.000

The MEANS Procedure

Drug	N Obs	Variable	Label	Maximum
AE	12	fibro_width_um epithelium_width_um KI_67_positive_cells_40x	fibro width um epithelium width um KI-67 positive cells 40x	179.400 114.800 24.000
AL	9	fibro_width_um epithelium_width_um KI_67_positive_cells_40x	fibro width um epithelium width um KI-67 positive cells 40x	89.730 143.000 22.000
AL_AE	12	fibro_width_um epithelium_width_um KI_67_positive_cells_40x	fibro width um epithelium width um KI-67 positive cells 40x	113.900 153.900 27.000
AL_GLU	12	fibro_width_um epithelium_width_um KI_67_positive_cells_40x	fibro width um epithelium width um KI-67 positive cells 40x	89.420 149.200 31.000
CONTR	15	fibro_width_um epithelium_width_um KI_67_positive_cells_40x	fibro width um epithelium width um KI-67 positive cells 40x	157.200 314.200 10.000
D	9	fibro_width_um epithelium_width_um KI_67_positive_cells_40x	fibro width um epithelium width um KI-67 positive cells 40x	142.700 121.300 20.000
D_AE	9	fibro_width_um epithelium_width_um KI_67_positive_cells_40x	fibro width um epithelium width um KI-67 positive cells 40x	114.600 100.800 22.000
D_GLU	9	fibro_width_um epithelium_width_um KI_67_positive_cells_40x	fibro width um epithelium width um KI-67 positive cells 40x	171.630 142.090 5.000
GLU	9	fibro_width_um epithelium_width_um KI_67_positive_cells_40x	fibro width um epithelium width um KI-67 positive cells 40x	161.679 182.407 2.000
Z	9	fibro_width_um epithelium_width_um KI_67_positive_cells_40x	fibro width um epithelium width um KI-67 positive cells 40x	94.020 70.100 1.000

The MEANS Procedure

Drug	N Obs	Variable	Label	N	Mean	Std Dev	Lower 95% CL for Mean	Upper 95% CL for Mean	Minimum	Lower Quartile	Median	Upper Quartile
Z_AE	9	fibro_width_um	fibro width um	9	39.409	37.399	10.662	68.157	0.000	0.000	43.690	49.930
		epithelium_width_um	epithelium width um	9	58.421	14.989	46.899	69.943	38.554	48.480	58.320	66.113
		KI_67_positive_cells_40x	KI-67 positive cells 40x	9	2.000	2.062	0.415	3.585	0.000	1.000	1.000	2.000
Z_GLU	9	fibro_width_um	fibro width um	9	54.001	38.364	24.512	83.491	0.000	36.400	60.690	75.020
		epithelium_width_um	epithelium width um	9	82.128	40.412	51.065	113.191	33.560	55.360	84.080	97.110
		KI_67_positive_cells_40x	KI-67 positive cells 40x	9	1.889	2.315	0.109	3.669	0.000	0.000	1.000	2.000

The MEANS Procedure

Drug	N Obs	Variable	Label	Maximum
Z_AE	9	fibro_width_um	fibro width um	117.870
		epithelium_width_um	epithelium width um	87.230
		KI_67_positive_cells_40x	KI-67 positive cells 40x	7.000
Z_GLU	9	fibro_width_um	fibro width um	115.500
		epithelium_width_um	epithelium width um	161.100
		KI_67_positive_cells_40x	KI-67 positive cells 40x	7.000

The MEANS Procedure

Drug	Site	N Obs	Variable	N	Mean	Std Dev	Lower 95% CL for Mean	Upper 95% CL for Mean	Minimum	Lower Quartile	Median	Upper Quartile
AE	A	5	fibro_width_um	5	89.866	39.546	40.763	138.969	68.590	70.210	73.430	76.710
			epithelium_width_um	5	90.515	21.625	63.664	117.366	60.970	77.350	93.254	107.500
			KI_67_positive_cells_40x	5	8.200	7.563	-1.191	17.591	0.000	2.000	10.000	10.000
	B	4	fibro_width_um	4	63.320	63.706	-38.050	164.689	29.620	30.460	32.405	96.179
			epithelium_width_um	4	88.760	24.988	48.998	128.521	60.490	68.169	89.874	109.350
			KI_67_positive_cells_40x	4	6.000	10.100	-10.071	22.071	0.000	0.000	1.500	12.000
	C	3	fibro_width_um	3	156.668	21.733	102.680	210.656	136.095	136.095	154.508	179.400
			epithelium_width_um	3	40.409	24.459	-20.351	101.168	22.500	22.500	30.450	68.276
			KI_67_positive_cells_40x	3	9.000	13.000	-23.294	41.294	1.000	1.000	2.000	24.000
AL	A	3	fibro_width_um	3	56.573	6.817	39.639	73.507	51.370	51.370	54.060	64.290
			epithelium_width_um	3	86.357	49.428	-36.429	209.143	51.970	51.970	64.100	143.000
			KI_67_positive_cells_40x	3	15.333	5.859	0.778	29.889	11.000	11.000	13.000	22.000
	B	3	fibro_width_um	3	60.667	25.242	-2.037	123.370	44.230	44.230	48.040	89.730
			epithelium_width_um	3	127.033	7.323	108.843	145.224	119.400	119.400	127.700	134.000
			KI_67_positive_cells_40x	3	10.667	8.083	-9.412	30.746	2.000	2.000	12.000	18.000
	C	3	fibro_width_um	3	45.817	1.718	41.549	50.084	43.870	43.870	46.460	47.120
			epithelium_width_um	3	90.760	40.615	-10.132	191.652	49.150	49.150	92.830	130.300
			KI_67_positive_cells_40x	3	12.667	6.429	-3.304	28.637	8.000	8.000	10.000	20.000
AL_AE	A	4	fibro_width_um	4	70.265	30.441	21.827	118.703	47.450	49.490	59.855	91.040
			epithelium_width_um	4	93.750	55.200	5.915	181.585	44.960	46.900	88.070	140.600
			KI_67_positive_cells_40x	4	17.250	7.182	5.822	28.678	10.000	11.500	16.500	23.000
	B	4	fibro_width_um	4	56.855	37.777	-3.257	116.967	26.220	34.985	44.600	78.725
			epithelium_width_um	4	83.553	39.494	20.709	146.396	39.590	53.045	81.660	114.060
			KI_67_positive_cells_40x	4	14.750	7.182	3.322	26.178	6.000	9.000	15.500	20.500
	C	4	fibro_width_um	4	73.018	31.820	22.385	123.650	39.290	48.465	70.040	97.570
			epithelium_width_um	4	87.668	51.132	6.304	169.031	39.330	43.735	86.620	131.600
			KI_67_positive_cells_40x	4	13.500	9.983	-2.386	29.386	5.000	6.000	11.000	21.000
AL_GLU	A	4	fibro_width_um	4	43.798	37.801	-16.352	103.947	0.000	15.470	42.885	72.125
			epithelium_width_um	4	91.905	27.622	47.951	135.859	64.070	68.160	93.775	115.650
			KI_67_positive_cells_40x	4	18.250	8.180	5.233	31.267	8.000	13.000	18.500	23.500
	B	4	fibro_width_um	4	26.060	33.648	-27.481	79.601	0.000	0.000	16.840	52.120
			epithelium_width_um	4	89.375	37.602	29.542	149.208	60.650	62.315	77.425	116.435
			KI_67_positive_cells_40x	4	17.250	9.323	2.415	32.085	5.000	10.000	19.500	24.500
	C	4	fibro_width_um	4	37.115	7.305	25.492	48.738	31.130	31.725	35.090	42.505
			epithelium_width_um	4	100.788	40.170	36.868	164.707	64.880	67.825	94.535	133.750
			KI_67_positive_cells_40x	4	15.750	10.468	-0.907	32.407	8.000	9.000	12.000	22.500
CONTR	A	5	fibro_width_um	5	49.352	47.388	-9.488	108.192	0.000	31.510	37.680	50.170
			epithelium_width_um	5	111.302	113.739	-29.924	252.528	52.740	56.320	58.440	74.810
			KI_67_positive_cells_40x	5	2.800	3.899	-2.041	7.641	0.000	0.000	0.000	6.000
	B	5	fibro_width_um	5	48.506	22.702	20.318	76.694	23.590	28.280	54.240	57.670
			epithelium_width_um	5	47.914	17.327	26.400	69.428	20.840	42.290	51.830	60.470
			KI_67_positive_cells_40x	5	2.200	3.493	-2.137	6.537	0.000	0.000	0.000	3.000
	C	5	fibro_width_um	5	79.484	61.291	3.381	155.587	25.070	25.150	59.000	131.000
			epithelium_width_um	5	42.730	21.590	15.922	69.538	15.730	29.360	42.200	55.430
			KI_67_positive_cells_40x	5	3.200	4.604	-2.517	8.917	0.000	0.000	0.000	6.000
D	A	3	fibro_width_um	3	112.200	9.432	88.770	135.630	101.800	101.800	114.600	120.200
			epithelium_width_um	3	99.417	31.872	20.243	178.590	62.850	62.850	114.100	121.300
			KI_67_positive_cells_40x	3	9.333	8.145	-10.899	29.565	0.000	0.000	13.000	15.000
	B	3	fibro_width_um	3	38.490	12.927	6.378	70.602	30.140	30.140	31.950	53.380
			epithelium_width_um	3	50.663	24.095	-9.193	110.520	24.640	24.640	55.150	72.200
			KI_67_positive_cells_40x	3	9.000	8.185	-11.334	29.334	0.000	0.000	11.000	16.000
	C	3	fibro_width_um	3	81.987	55.078	-54.834	218.807	35.230	35.230	68.030	142.700
			epithelium_width_um	3	83.537	19.123	36.032	131.041	71.730	71.730	73.280	105.600
			KI_67_positive_cells_40x	3	12.333	10.786	-14.460	39.127	0.000	0.000	17.000	20.000
D_AE	A	3	fibro_width_um	3	61.790	11.576	33.033	90.547	48.470	48.470	67.480	69.420
			epithelium_width_um	3	80.017	18.884	33.105	126.928	63.910	63.910	75.340	100.800
			KI_67_positive_cells_40x	3	8.000	12.166	-22.221	38.221	0.000	0.000	2.000	22.000
	B	3	fibro_width_um	3	21.233	21.417	-31.970	74.437	0.000	0.000	20.870	42.830
			epithelium_width_um	3	74.467	20.162	24.382	124.551	56.390	56.390	70.800	96.210
			KI_67_positive_cells_40x	3	5.667	7.234	-12.304	23.637	1.000	1.000	2.000	14.000
	C	3	fibro_width_um	3	66.080	42.021	-38.307	170.467	41.440	41.440	42.200	114.600
			epithelium_width_um	3	68.973	11.393	40.672	97.275	61.440	61.440	63.400	82.080
			KI_67_positive_cells_40x	3	6.667	11.547	-22.018	35.351	0.000	0.000	0.000	20.000

The MEANS Procedure

Drug	Site	N Obs	Variable	Maximum
AE	A	5	fibro_width_um	160.388
			epithelium_width_um	113.500
			KI_67_positive_cells_40x	19.000
	B	4	fibro_width_um	158.848
			epithelium_width_um	114.800
			KI_67_positive_cells_40x	21.000
	C	3	fibro_width_um	179.400
			epithelium_width_um	68.276
			KI_67_positive_cells_40x	24.000
AL	A	3	fibro_width_um	64.290
			epithelium_width_um	143.000
			KI_67_positive_cells_40x	22.000
	B	3	fibro_width_um	89.730
			epithelium_width_um	134.000
			KI_67_positive_cells_40x	18.000
	C	3	fibro_width_um	47.120
			epithelium_width_um	130.300
			KI_67_positive_cells_40x	20.000
AL_AE	A	4	fibro_width_um	113.900
			epithelium_width_um	153.900
			KI_67_positive_cells_40x	26.000
	B	4	fibro_width_um	112.000
			epithelium_width_um	131.300
			KI_67_positive_cells_40x	22.000
	C	4	fibro_width_um	112.700
			epithelium_width_um	138.100
			KI_67_positive_cells_40x	27.000
AL_GLU	A	4	fibro_width_um	89.420
			epithelium_width_um	116.000
			KI_67_positive_cells_40x	28.000
	B	4	fibro_width_um	70.560
			epithelium_width_um	142.000
			KI_67_positive_cells_40x	25.000
	C	4	fibro_width_um	47.150
			epithelium_width_um	149.200
			KI_67_positive_cells_40x	31.000
CONTR	A	5	fibro_width_um	127.400
			epithelium_width_um	314.200
			KI_67_positive_cells_40x	8.000
	B	5	fibro_width_um	78.750
			epithelium_width_um	64.140
			KI_67_positive_cells_40x	8.000
	C	5	fibro_width_um	157.200
			epithelium_width_um	70.930
			KI_67_positive_cells_40x	10.000
D	A	3	fibro_width_um	120.200
			epithelium_width_um	121.300
			KI_67_positive_cells_40x	15.000
	B	3	fibro_width_um	53.380
			epithelium_width_um	72.200
			KI_67_positive_cells_40x	16.000
	C	3	fibro_width_um	142.700
			epithelium_width_um	105.600
			KI_67_positive_cells_40x	20.000
D_AE	A	3	fibro_width_um	69.420
			epithelium_width_um	100.800
			KI_67_positive_cells_40x	22.000
	B	3	fibro_width_um	42.830
			epithelium_width_um	96.210
			KI_67_positive_cells_40x	14.000
	C	3	fibro_width_um	114.600
			epithelium_width_um	82.080
			KI_67_positive_cells_40x	20.000

The MEANS Procedure

Drug	Site	N Obs	Variable	N	Mean	Std Dev	Lower 95% CL for Mean	Upper 95% CL for Mean	Minimum	Lower Quartile	Median	Upper Quartile
D_GLU	A	3	fibro_width_um	3	142.437	44.973	30.718	254.157	90.562	90.562	166.300	170.450
			epithelium_width_um	3	54.467	43.629	-53.913	162.846	27.680	27.680	30.910	104.810
			KI_67_positive_cells_40x	3	1.000	1.000	-1.484	3.484	0.000	0.000	1.000	2.000
	B	3	fibro_width_um	3	61.520	13.922	26.936	96.104	49.686	49.686	58.014	76.860
			epithelium_width_um	3	100.781	43.251	-6.660	208.222	55.820	55.820	104.433	142.090
			KI_67_positive_cells_40x	3	1.000	1.000	-1.484	3.484	0.000	0.000	1.000	2.000
	C	3	fibro_width_um	3	110.704	52.794	-20.443	241.851	78.460	78.460	82.021	171.630
			epithelium_width_um	3	61.560	19.848	12.256	110.864	38.690	38.690	71.710	74.280
			KI_67_positive_cells_40x	3	1.667	2.887	-5.504	8.838	0.000	0.000	0.000	5.000
GLU	A	3	fibro_width_um	3	105.253	17.019	62.976	147.531	90.586	90.586	101.260	123.914
			epithelium_width_um	3	119.583	60.720	-31.254	270.420	54.717	54.717	128.969	175.064
			KI_67_positive_cells_40x	3	0.667	0.577	-0.768	2.101	0.000	0.000	1.000	1.000
	B	3	fibro_width_um	3	121.790	35.829	32.785	210.796	92.337	92.337	111.355	161.679
			epithelium_width_um	3	130.384	45.402	17.600	243.168	98.760	98.760	109.984	182.407
			KI_67_positive_cells_40x	3	0.667	0.577	-0.768	2.101	0.000	0.000	1.000	1.000
	C	3	fibro_width_um	3	94.797	40.924	-6.865	196.458	61.010	61.010	83.078	140.302
			epithelium_width_um	3	115.187	21.349	62.154	168.221	96.327	96.327	110.870	138.365
			KI_67_positive_cells_40x	3	0.667	1.155	-2.202	3.535	0.000	0.000	0.000	2.000
Z	A	3	fibro_width_um	3	74.100	17.460	30.728	117.472	61.450	61.450	66.830	94.020
			epithelium_width_um	3	52.703	6.422	36.751	68.656	46.830	46.830	51.720	59.560
			KI_67_positive_cells_40x	3	0.000	0.000	.	.	0.000	0.000	0.000	0.000
	B	3	fibro_width_um	3	18.140	1.204	15.148	21.132	16.760	16.760	18.680	18.980
			epithelium_width_um	3	33.470	2.765	26.602	40.338	31.290	31.290	32.540	36.580
			KI_67_positive_cells_40x	3	0.667	0.577	-0.768	2.101	0.000	0.000	1.000	1.000
	C	3	fibro_width_um	3	41.990	19.783	-7.154	91.134	27.920	27.920	33.440	64.610
			epithelium_width_um	3	45.193	21.703	-8.720	99.106	30.340	30.340	35.140	70.100
			KI_67_positive_cells_40x	3	0.000	0.000	.	.	0.000	0.000	0.000	0.000
Z_AE	A	3	fibro_width_um	3	30.899	26.998	-36.168	97.966	0.000	0.000	42.767	49.930
			epithelium_width_um	3	52.021	5.627	38.042	66.000	48.480	48.480	49.073	58.510
			KI_67_positive_cells_40x	3	3.333	3.215	-4.652	11.319	1.000	1.000	2.000	7.000
	B	3	fibro_width_um	3	16.908	29.286	-55.842	89.659	0.000	0.000	0.000	50.725
			epithelium_width_um	3	56.451	17.039	14.123	98.778	38.554	38.554	58.320	72.478
			KI_67_positive_cells_40x	3	1.333	1.528	-2.461	5.128	0.000	0.000	1.000	3.000
	C	3	fibro_width_um	3	70.420	41.203	-31.933	172.773	43.690	43.690	49.700	117.870
			epithelium_width_um	3	66.791	20.109	16.839	116.743	47.030	47.030	66.113	87.230
			KI_67_positive_cells_40x	3	1.333	0.577	-0.101	2.768	1.000	1.000	1.000	2.000
Z_GLU	A	3	fibro_width_um	3	75.590	13.294	42.565	108.615	62.590	62.590	75.020	89.160
			epithelium_width_um	3	78.680	42.677	-27.336	184.696	33.560	33.560	84.080	118.400
			KI_67_positive_cells_40x	3	1.667	2.082	-3.504	6.838	0.000	0.000	1.000	4.000
	B	3	fibro_width_um	3	32.363	30.546	-43.516	108.243	0.000	0.000	36.400	60.690
			epithelium_width_um	3	80.470	22.126	25.505	135.435	55.360	55.360	88.940	97.110
			KI_67_positive_cells_40x	3	2.667	3.786	-6.738	12.071	0.000	0.000	1.000	7.000
	C	3	fibro_width_um	3	54.050	58.104	-90.290	198.390	0.000	0.000	46.650	115.500
			epithelium_width_um	3	87.233	64.501	-72.997	247.464	42.040	42.040	58.560	161.100
			KI_67_positive_cells_40x	3	1.333	1.155	-1.535	4.202	0.000	0.000	2.000	2.000

The MEANS Procedure

Drug	Site	N Obs	Variable	Maximum
D_GLU	A	3	fibro_width_um	170.450
			epithelium_width_um	104.810
			KI_67_positive_cells_40x	2.000
	B	3	fibro_width_um	76.860
			epithelium_width_um	142.090
			KI_67_positive_cells_40x	2.000
	C	3	fibro_width_um	171.630
			epithelium_width_um	74.280
			KI_67_positive_cells_40x	5.000
GLU	A	3	fibro_width_um	123.914
			epithelium_width_um	175.064
			KI_67_positive_cells_40x	1.000
	B	3	fibro_width_um	161.679
			epithelium_width_um	182.407
			KI_67_positive_cells_40x	1.000
	C	3	fibro_width_um	140.302
			epithelium_width_um	138.365
			KI_67_positive_cells_40x	2.000
Z	A	3	fibro_width_um	94.020
			epithelium_width_um	59.560
			KI_67_positive_cells_40x	0.000
	B	3	fibro_width_um	18.980
			epithelium_width_um	36.580
			KI_67_positive_cells_40x	1.000
	C	3	fibro_width_um	64.610
			epithelium_width_um	70.100
			KI_67_positive_cells_40x	0.000
Z_AE	A	3	fibro_width_um	49.930
			epithelium_width_um	58.510
			KI_67_positive_cells_40x	7.000
	B	3	fibro_width_um	50.725
			epithelium_width_um	72.478
			KI_67_positive_cells_40x	3.000
	C	3	fibro_width_um	117.870
			epithelium_width_um	87.230
			KI_67_positive_cells_40x	2.000
Z_GLU	A	3	fibro_width_um	89.160
			epithelium_width_um	118.400
			KI_67_positive_cells_40x	4.000
	B	3	fibro_width_um	60.690
			epithelium_width_um	97.110
			KI_67_positive_cells_40x	7.000
	C	3	fibro_width_um	115.500
			epithelium_width_um	161.100
			KI_67_positive_cells_40x	2.000

The Mixed Procedure

Model Information	
Data Set	HEIDI.LIMAKALVO
Dependent Variable	sqrt_fibro
Covariance Structure	Diagonal
Estimation Method	REML
Residual Variance Method	Profile
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Residual

Class Level Information		
Class	Levels	Values
Drug	2	CONTR D
Site	3	A B C

Dimensions	
Covariance Parameters	1
Columns in X	6
Columns in Z	0
Subjects	1
Max Obs per Subject	24

Number of Observations	
Number of Observations Read	24
Number of Observations Used	24
Number of Observations Not Used	0

Covariance Parameter Estimates	
Cov Parm	Estimate
Residual	7.1359

Fit Statistics	
-2 Res Log Likelihood	104.0
AIC (Smaller is Better)	106.0
AICC (Smaller is Better)	106.2
BIC (Smaller is Better)	107.0

Type 3 Tests of Fixed Effects				
Effect	Num DF	Den DF	F Value	Pr > F
Drug	1	20	1.25	0.2761
Site	2	20	1.03	0.3747

The Mixed Procedure

Least Squares Means

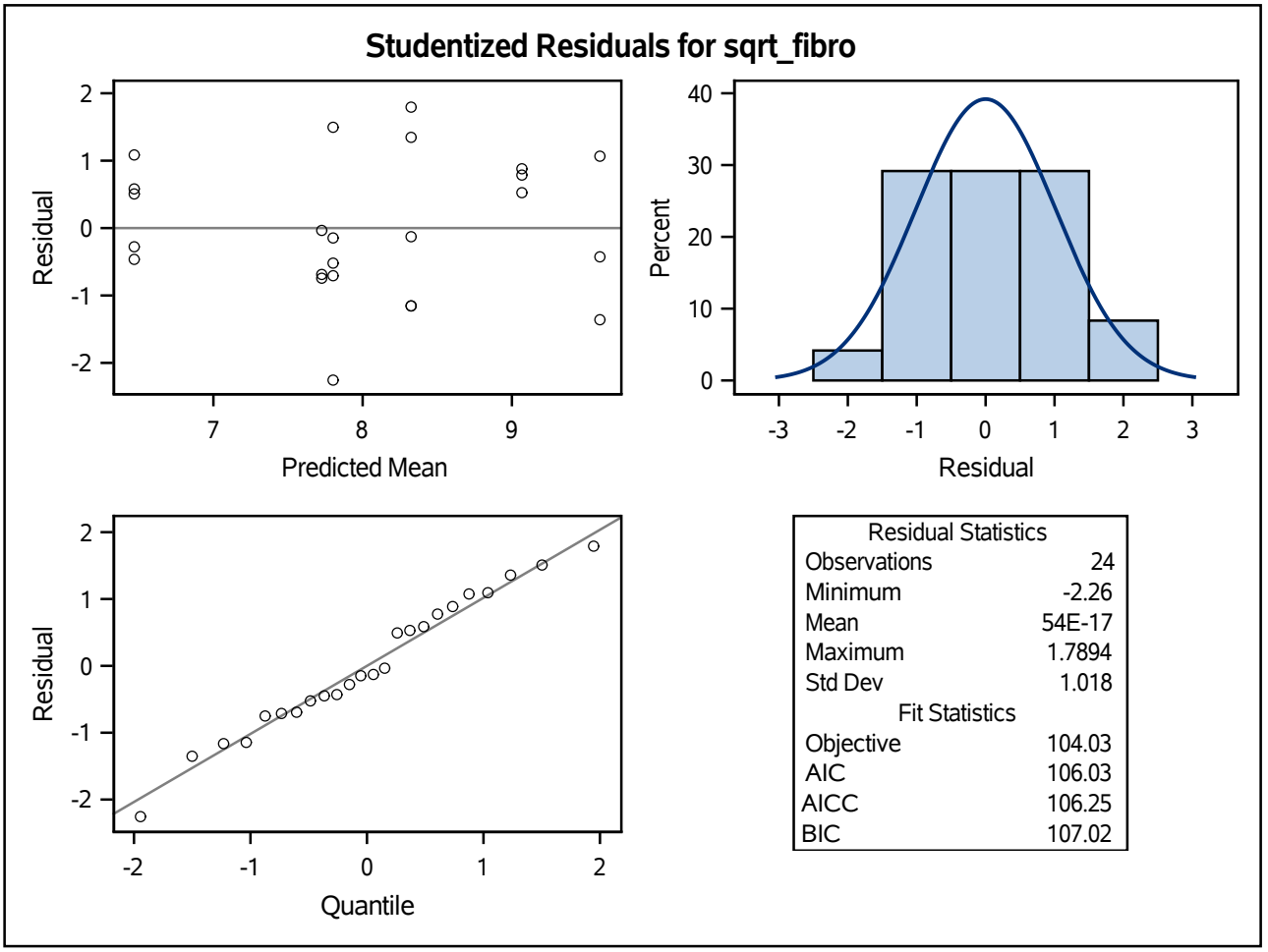
Effect	Drug	Site	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Drug	CONTR		7.5332	0.6897	20	10.92	<.0001	0.05	6.0945	8.9720
Drug	D		8.7943	0.8904	20	9.88	<.0001	0.05	6.9369	10.6517
Site		A	8.4333	0.9549	20	8.83	<.0001	0.05	6.4415	10.4252
Site		B	7.0986	0.9549	20	7.43	<.0001	0.05	5.1067	9.0905
Site		C	8.9594	0.9549	20	9.38	<.0001	0.05	6.9675	10.9512

Differences of Least Squares Means

Effect	Drug	Site	_Drug	_Site	Estimate	Standard Error	DF	t Value	Pr > |t|	Adjustment	Adj P	Alpha	Lower	Upper
Drug	CONTR		D		-1.2611	1.1263	20	-1.12	0.2761	Tukey-Kramer	0.2761	0.05	-3.6106	1.0884
Site		A		B	1.3347	1.3357	20	1.00	0.3296	Tukey-Kramer	0.5858	0.05	-1.4514	4.1208
Site		A		C	-0.5261	1.3357	20	-0.39	0.6979	Tukey-Kramer	0.9184	0.05	-3.3122	2.2601
Site		B		C	-1.8608	1.3357	20	-1.39	0.1789	Tukey-Kramer	0.3632	0.05	-4.6469	0.9254

Differences of Least Squares Means

Effect	Drug	Site	_Drug	_Site	Adj Lower	Adj Upper
Drug	CONTR		D		-3.6105	1.0883
Site		A		B	-2.0445	4.7139
Site		A		C	-3.9052	2.8531
Site		B		C	-5.2400	1.5184



The Mixed Procedure

Model Information	
Data Set	HEIDI.LIMAKALVO
Dependent Variable	sqrt_fibro
Covariance Structure	Diagonal
Estimation Method	REML
Residual Variance Method	Profile
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Residual

Class Level Information		
Class	Levels	Values
Drug	2	CONTR Z
Site	3	A B C

Dimensions	
Covariance Parameters	1
Columns in X	6
Columns in Z	0
Subjects	1
Max Obs per Subject	24

Number of Observations	
Number of Observations Read	24
Number of Observations Used	24
Number of Observations Not Used	0

Covariance Parameter Estimates	
Cov Parm	Estimate
Residual	6.4380

Fit Statistics	
-2 Res Log Likelihood	102.0
AIC (Smaller is Better)	104.0
AICC (Smaller is Better)	104.2
BIC (Smaller is Better)	105.0

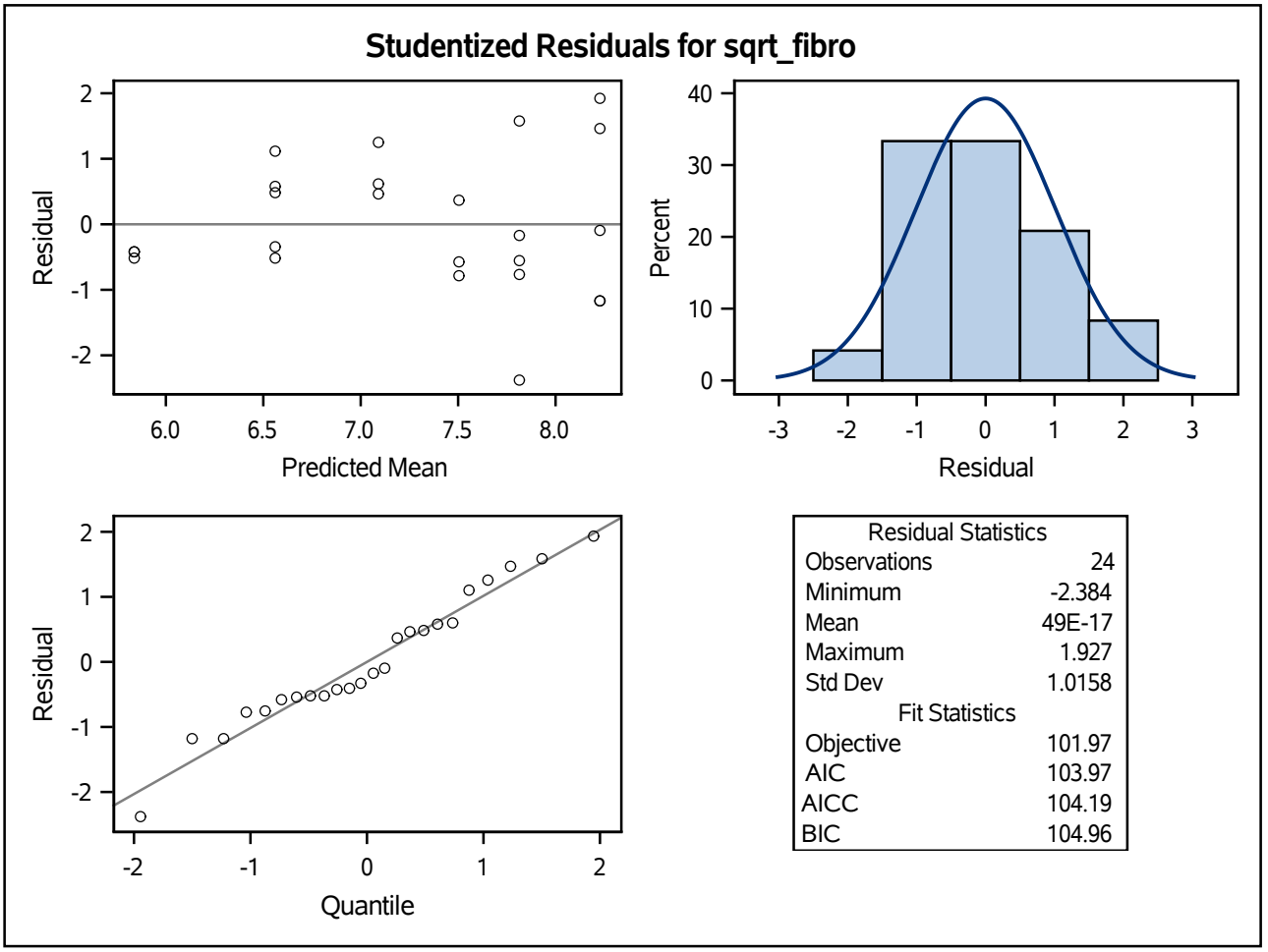
Type 3 Tests of Fixed Effects				
Effect	Num DF	Den DF	F Value	Pr > F
Drug	1	20	0.46	0.5066
Site	2	20	0.94	0.4084

The Mixed Procedure

Least Squares Means										
Effect	Drug	Site	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Drug	CONTR		7.5332	0.6551	20	11.50	<.0001	0.05	6.1666	8.8998
Drug	Z		6.8096	0.8458	20	8.05	<.0001	0.05	5.0454	8.5739
Site		A	7.4500	0.9070	20	8.21	<.0001	0.05	5.5580	9.3419
Site		B	6.1981	0.9070	20	6.83	<.0001	0.05	4.3062	8.0901
Site		C	7.8662	0.9070	20	8.67	<.0001	0.05	5.9742	9.7581

Differences of Least Squares Means														
Effect	Drug	Site	_Drug	_Site	Estimate	Standard Error	DF	t Value	Pr > |t|	Adjustment	Adj P	Alpha	Lower	Upper
Drug	CONTR		Z		0.7236	1.0698	20	0.68	0.5066	Tukey-Kramer	0.5066	0.05	-1.5080	2.9552
Site		A		B	1.2519	1.2687	20	0.99	0.3355	Tukey-Kramer	0.5934	0.05	-1.3945	3.8982
Site		A		C	-0.4162	1.2687	20	-0.33	0.7463	Tukey-Kramer	0.9426	0.05	-3.0626	2.2302
Site		B		C	-1.6681	1.2687	20	-1.31	0.2034	Tukey-Kramer	0.4036	0.05	-4.3144	0.9783

Differences of Least Squares Means						
Effect	Drug	Site	_Drug	_Site	Adj Lower	Adj Upper
Drug	CONTR		Z		-1.5080	2.9552
Site		A		B	-1.9578	4.4615
Site		A		C	-3.6259	2.7935
Site		B		C	-4.8778	1.5416



The Mixed Procedure

Model Information	
Data Set	HEIDI.LIMAKALVO
Dependent Variable	sqrt_fibro
Covariance Structure	Diagonal
Estimation Method	REML
Residual Variance Method	Profile
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Residual

Class Level Information		
Class	Levels	Values
Drug	2	AL CONTR
Site	3	A B C

Dimensions	
Covariance Parameters	1
Columns in X	6
Columns in Z	0
Subjects	1
Max Obs per Subject	24

Number of Observations	
Number of Observations Read	24
Number of Observations Used	24
Number of Observations Not Used	0

Covariance Parameter Estimates	
Cov Parm	Estimate
Residual	5.6528

Fit Statistics	
-2 Res Log Likelihood	99.4
AIC (Smaller is Better)	101.4
AICC (Smaller is Better)	101.6
BIC (Smaller is Better)	102.4

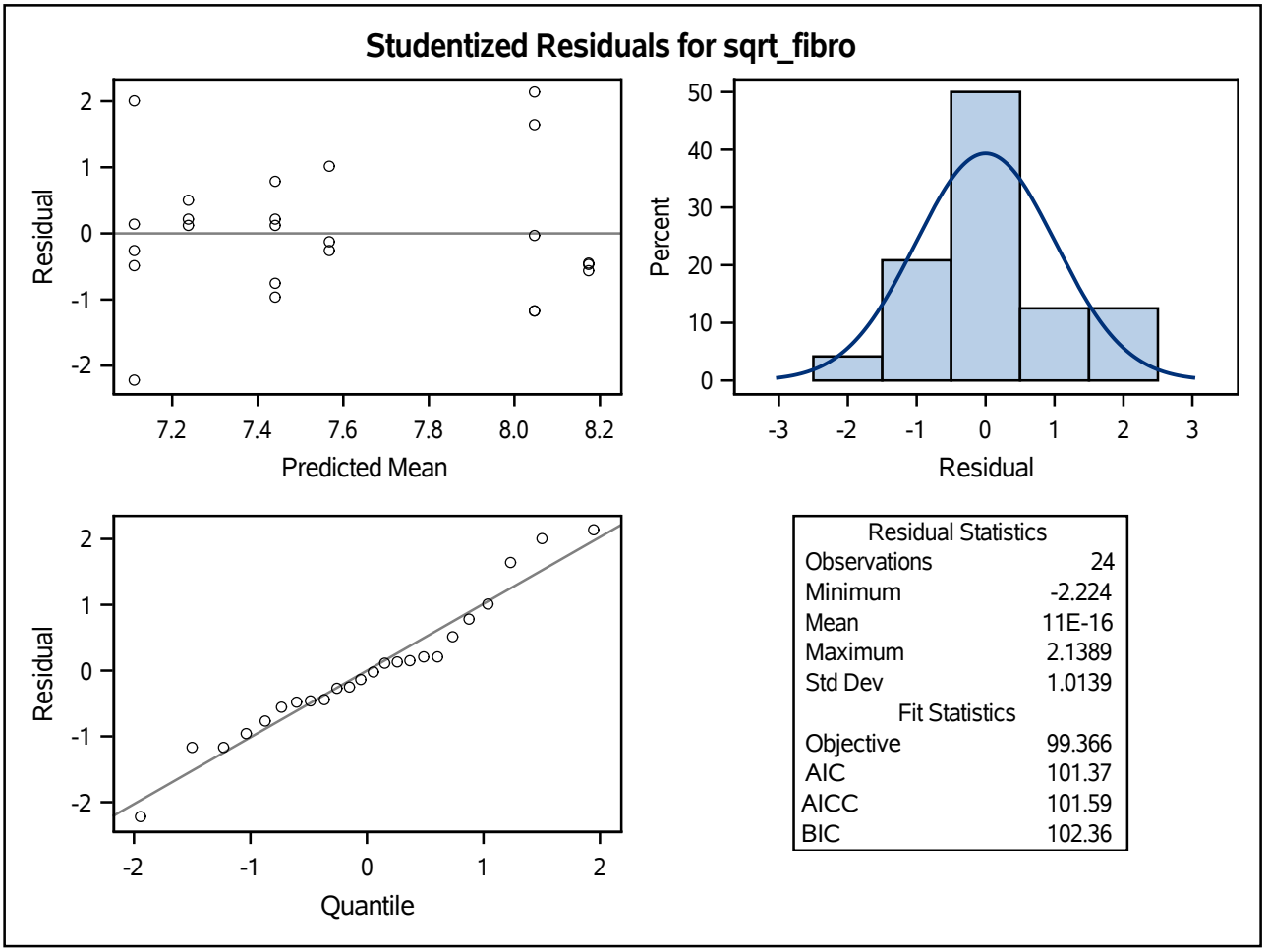
Type 3 Tests of Fixed Effects				
Effect	Num DF	Den DF	F Value	Pr > F
Drug	1	20	0.02	0.9012
Site	2	20	0.32	0.7303

The Mixed Procedure

Least Squares Means										
Effect	Drug	Site	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Drug	AL		7.6592	0.7925	20	9.66	<.0001	0.05	6.0061	9.3124
Drug	CONTR		7.5332	0.6139	20	12.27	<.0001	0.05	6.2527	8.8138
Site		A	7.1736	0.8499	20	8.44	<.0001	0.05	5.4008	8.9464
Site		B	7.5048	0.8499	20	8.83	<.0001	0.05	5.7320	9.2777
Site		C	8.1102	0.8499	20	9.54	<.0001	0.05	6.3374	9.8831

Differences of Least Squares Means													
Effect	Drug	Site	_Drug	_Site	Estimate	Standard Error	DF	t Value	Pr > |t|	Adjustment	Adj P	Alpha	Lower	Upper
Drug	AL		CONTR		0.1260	1.0025	20	0.13	0.9012	Tukey-Kramer	0.9012	0.05	-1.9651	2.2171
Site		A		B	-0.3313	1.1888	20	-0.28	0.7834	Tukey-Kramer	0.9582	0.05	-2.8110	2.1485
Site		A		C	-0.9366	1.1888	20	-0.79	0.4400	Tukey-Kramer	0.7146	0.05	-3.4164	1.5431
Site		B		C	-0.6054	1.1888	20	-0.51	0.6161	Tukey-Kramer	0.8677	0.05	-3.0851	1.8744

Differences of Least Squares Means						
Effect	Drug	Site	_Drug	_Site	Adj Lower	Adj Upper
Drug	AL		CONTR		-1.9651	2.2171
Site		A		B	-3.3389	2.6763
Site		A		C	-3.9442	2.0709
Site		B		C	-3.6130	2.4022



The Mixed Procedure

Model Information	
Data Set	HEIDI.LIMAKALVO
Dependent Variable	sqrt_epi
Covariance Structure	Diagonal
Estimation Method	REML
Residual Variance Method	Profile
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Residual

Class Level Information		
Class	Levels	Values
Drug	2	CONTR D
Site	3	A B C

Dimensions	
Covariance Parameters	1
Columns in X	6
Columns in Z	0
Subjects	1
Max Obs per Subject	24

Number of Observations	
Number of Observations Read	24
Number of Observations Used	24
Number of Observations Not Used	0

Covariance Parameter Estimates	
Cov Parm	Estimate
Residual	6.1575

Fit Statistics	
-2 Res Log Likelihood	101.1
AIC (Smaller is Better)	103.1
AICC (Smaller is Better)	103.3
BIC (Smaller is Better)	104.1

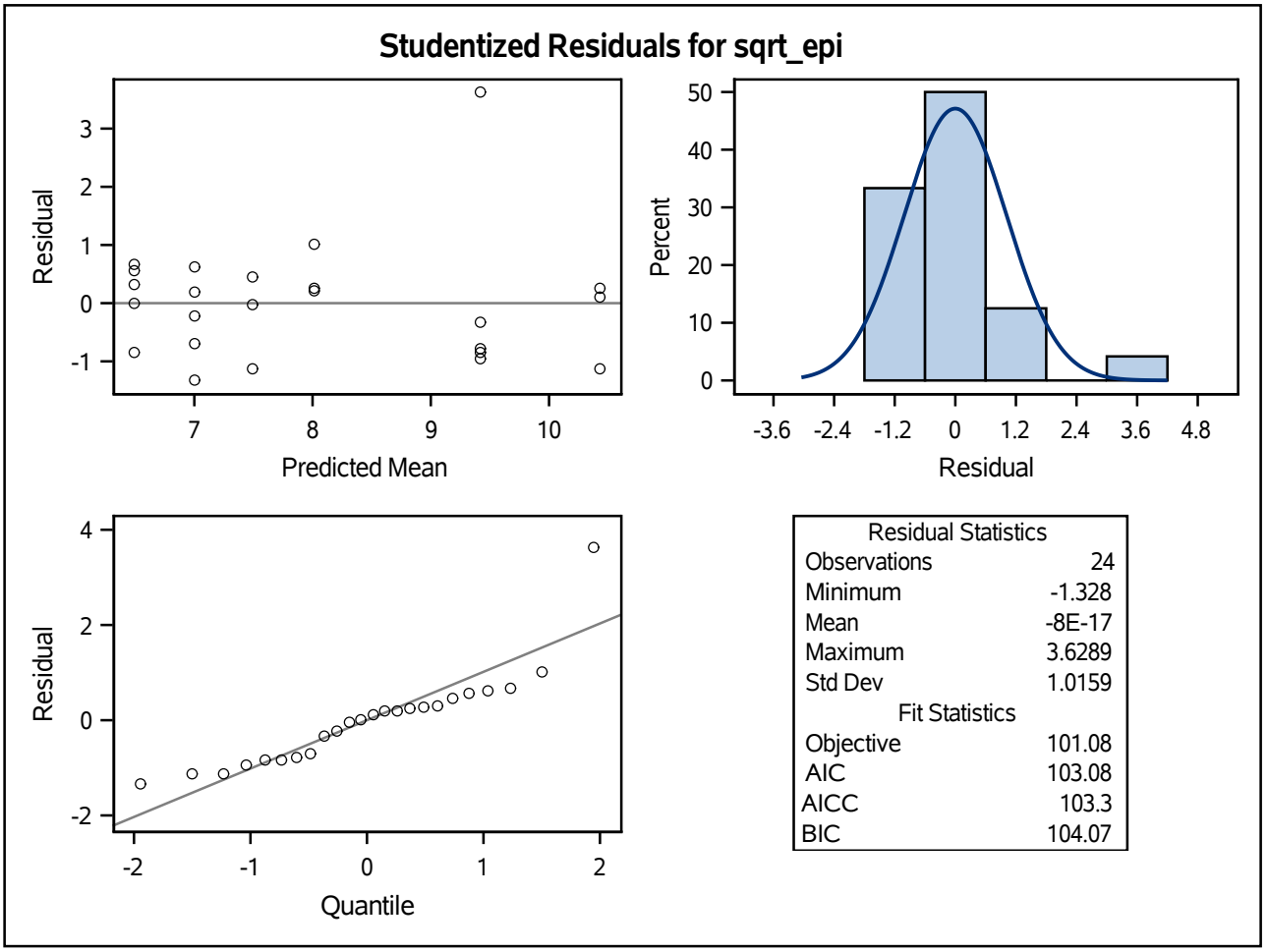
Type 3 Tests of Fixed Effects				
Effect	Num DF	Den DF	F Value	Pr > F
Drug	1	20	0.93	0.3472
Site	2	20	3.19	0.0628

The Mixed Procedure

Least Squares Means										
Effect	Drug	Site	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Drug	CONTR		7.6391	0.6407	20	11.92	<.0001	0.05	6.3026	8.9756
Drug	D		8.6463	0.8271	20	10.45	<.0001	0.05	6.9209	10.3717
Site		A	9.9271	0.8870	20	11.19	<.0001	0.05	8.0768	11.7774
Site		B	6.9934	0.8870	20	7.88	<.0001	0.05	5.1431	8.8436
Site		C	7.5076	0.8870	20	8.46	<.0001	0.05	5.6573	9.3579

Differences of Least Squares Means														
Effect	Drug	Site	_Drug	_Site	Estimate	Standard Error	DF	t Value	Pr > |t|	Adjustment	Adj P	Alpha	Lower	Upper
Drug	CONTR		D		-1.0071	1.0463	20	-0.96	0.3472	Tukey-Kramer	0.3472	0.05	-3.1896	1.1753
Site		A		B	2.9337	1.2407	20	2.36	0.0283	Tukey-Kramer	0.0696	0.05	0.3457	5.5218
Site		A		C	2.4195	1.2407	20	1.95	0.0653	Tukey-Kramer	0.1509	0.05	-0.1686	5.0076
Site		B		C	-0.5143	1.2407	20	-0.41	0.6829	Tukey-Kramer	0.9101	0.05	-3.1024	2.0738

Differences of Least Squares Means						
Effect	Drug	Site	_Drug	_Site	Adj Lower	Adj Upper
Drug	CONTR		D		-3.1896	1.1753
Site		A		B	-0.2052	6.0727
Site		A		C	-0.7195	5.5585
Site		B		C	-3.6533	2.6247



The Mixed Procedure

Model Information	
Data Set	HEIDI.LIMAKALVO
Dependent Variable	sqrt_epi
Covariance Structure	Diagonal
Estimation Method	REML
Residual Variance Method	Profile
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Residual

Class Level Information		
Class	Levels	Values
Drug	2	CONTR Z
Site	3	A B C

Dimensions	
Covariance Parameters	1
Columns in X	6
Columns in Z	0
Subjects	1
Max Obs per Subject	24

Number of Observations	
Number of Observations Read	24
Number of Observations Used	24
Number of Observations Not Used	0

Covariance Parameter Estimates	
Cov Parm	Estimate
Residual	5.6322

Fit Statistics	
-2 Res Log Likelihood	99.3
AIC (Smaller is Better)	101.3
AICC (Smaller is Better)	101.5
BIC (Smaller is Better)	102.3

Type 3 Tests of Fixed Effects				
Effect	Num DF	Den DF	F Value	Pr > F
Drug	1	20	1.19	0.2873
Site	2	20	2.69	0.0925

The Mixed Procedure

Least Squares Means

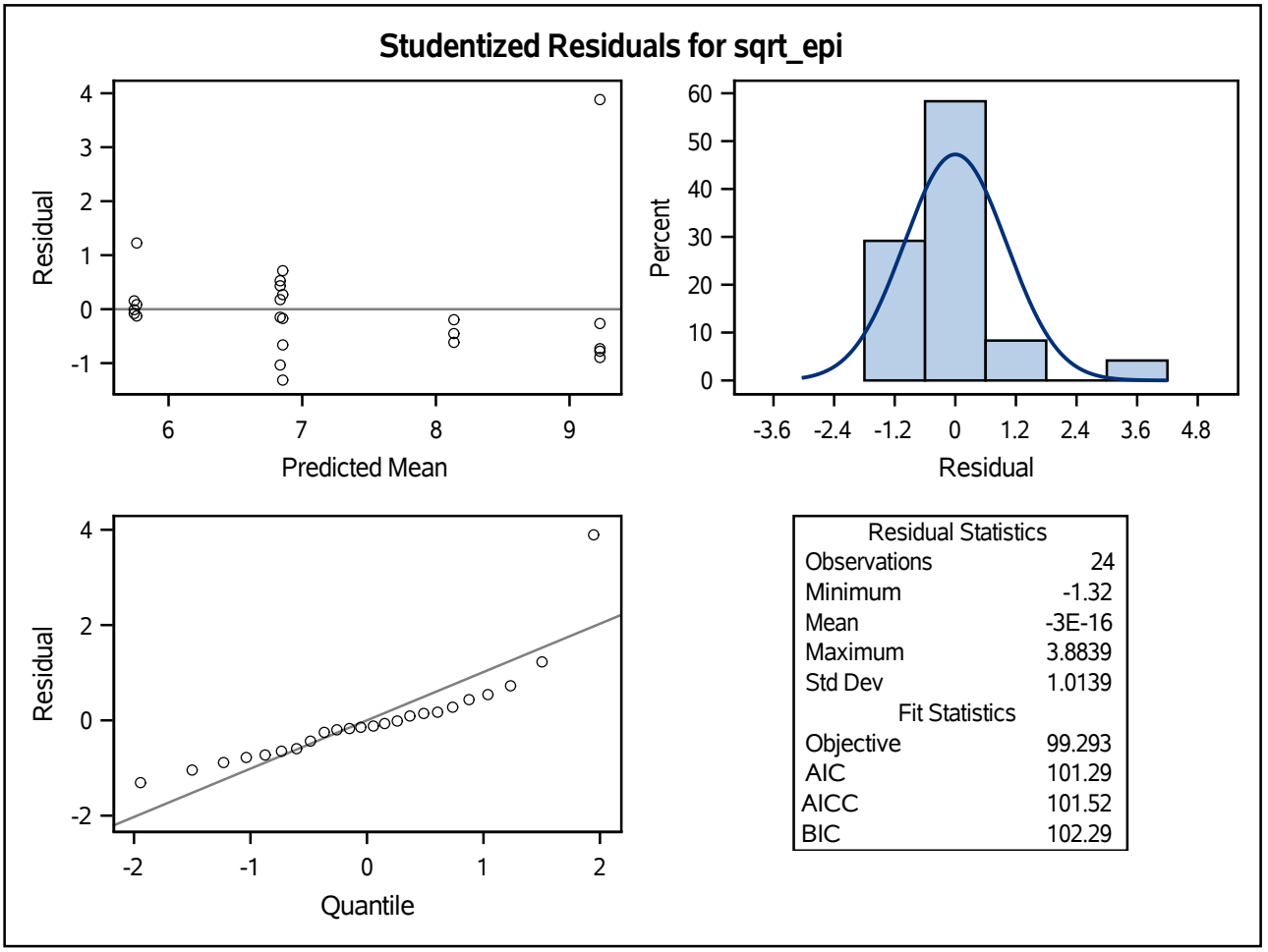
Effect	Drug	Site	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Drug	CONTR		7.6391	0.6128	20	12.47	<.0001	0.05	6.3609	8.9173
Drug	Z		6.5453	0.7911	20	8.27	<.0001	0.05	4.8951	8.1954
Site		A	8.6806	0.8483	20	10.23	<.0001	0.05	6.9110	10.4502
Site		B	6.2881	0.8483	20	7.41	<.0001	0.05	4.5185	8.0577
Site		C	6.3078	0.8483	20	7.44	<.0001	0.05	4.5382	8.0774

Differences of Least Squares Means

Effect	Drug	Site	_Drug	_Site	Estimate	Standard Error	DF	t Value	Pr > |t|	Adjustment	Adj P	Alpha	Lower	Upper
Drug	CONTR		Z		1.0939	1.0006	20	1.09	0.2873	Tukey-Kramer	0.2873	0.05	-0.9934	3.1812
Site		A		B	2.3925	1.1866	20	2.02	0.0574	Tukey-Kramer	0.1341	0.05	-0.08272	4.8678
Site		A		C	2.3728	1.1866	20	2.00	0.0593	Tukey-Kramer	0.1382	0.05	-0.1024	4.8480
Site		B		C	-0.01972	1.1866	20	-0.02	0.9869	Tukey-Kramer	0.9998	0.05	-2.4950	2.4555

Differences of Least Squares Means

Effect	Drug	Site	_Drug	_Site	Adj Lower	Adj Upper
Drug	CONTR		Z		-0.9934	3.1811
Site		A		B	-0.6096	5.3946
Site		A		C	-0.6293	5.3749
Site		B		C	-3.0218	2.9824



The Mixed Procedure

Model Information	
Data Set	HEIDI.LIMAKALVO
Dependent Variable	sqrt_epi
Covariance Structure	Diagonal
Estimation Method	REML
Residual Variance Method	Profile
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Residual

Class Level Information		
Class	Levels	Values
Drug	2	AL CONTR
Site	3	A B C

Dimensions	
Covariance Parameters	1
Columns in X	6
Columns in Z	0
Subjects	1
Max Obs per Subject	24

Number of Observations	
Number of Observations Read	24
Number of Observations Used	24
Number of Observations Not Used	0

Covariance Parameter Estimates	
Cov Parm	Estimate
Residual	7.4842

Fit Statistics	
-2 Res Log Likelihood	105.0
AIC (Smaller is Better)	107.0
AICC (Smaller is Better)	107.2
BIC (Smaller is Better)	108.0

Type 3 Tests of Fixed Effects				
Effect	Num DF	Den DF	F Value	Pr > F
Drug	1	20	3.82	0.0648
Site	2	20	1.09	0.3556

The Mixed Procedure

Least Squares Means

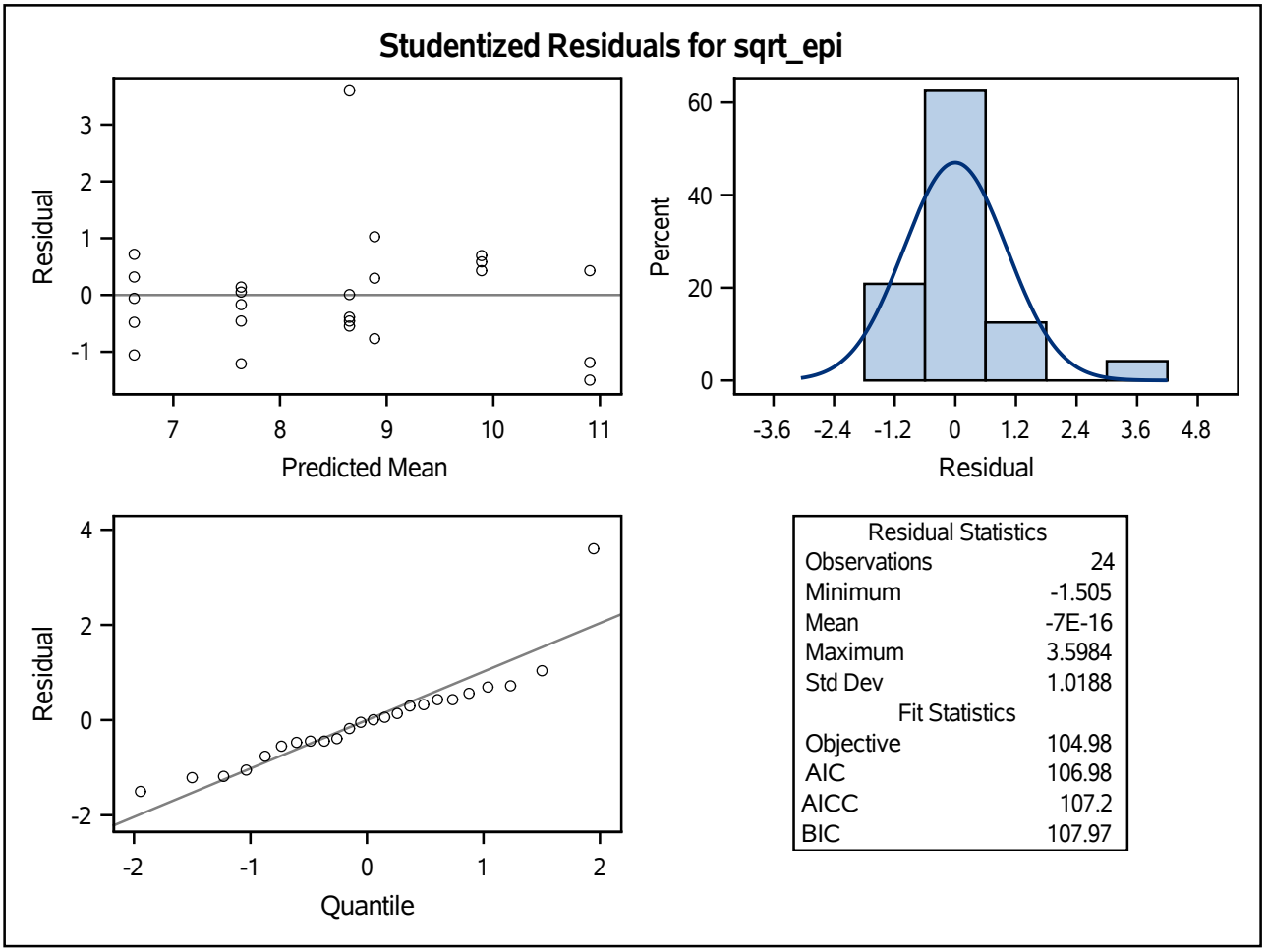
Effect	Drug	Site	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Drug	AL		9.8930	0.9119	20	10.85	<.0001	0.05	7.9908	11.7952
Drug	CONTR		7.6391	0.7064	20	10.81	<.0001	0.05	6.1657	9.1126
Site		A	9.7767	0.9779	20	10.00	<.0001	0.05	7.7368	11.8166
Site		B	8.7637	0.9779	20	8.96	<.0001	0.05	6.7238	10.8036
Site		C	7.7578	0.9779	20	7.93	<.0001	0.05	5.7179	9.7977

Differences of Least Squares Means

Effect	Drug	Site	_Drug	_Site	Estimate	Standard Error	DF	t Value	Pr > |t|	Adjustment	Adj P	Alpha	Lower	Upper
Drug	AL		CONTR		2.2539	1.1535	20	1.95	0.0648	Tukey-Kramer	0.0648	0.05	-0.1522	4.6600
Site		A		B	1.0130	1.3679	20	0.74	0.4675	Tukey-Kramer	0.7426	0.05	-1.8403	3.8663
Site		A		C	2.0190	1.3679	20	1.48	0.1555	Tukey-Kramer	0.3232	0.05	-0.8344	4.8723
Site		B		C	1.0059	1.3679	20	0.74	0.4706	Tukey-Kramer	0.7457	0.05	-1.8474	3.8592

Differences of Least Squares Means

Effect	Drug	Site	_Drug	_Site	Adj Lower	Adj Upper
Drug	AL		CONTR		-0.1522	4.6600
Site		A		B	-2.4476	4.4737
Site		A		C	-1.4417	5.4796
Site		B		C	-2.4547	4.4666



The Mixed Procedure

Model Information	
Data Set	HEIDI.LIMAKALVO
Dependent Variable	sqrt_ki_67
Covariance Structure	Diagonal
Estimation Method	REML
Residual Variance Method	Profile
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Residual

Class Level Information		
Class	Levels	Values
Drug	2	CONTR D
Site	3	A B C

Dimensions	
Covariance Parameters	1
Columns in X	6
Columns in Z	0
Subjects	1
Max Obs per Subject	24

Number of Observations	
Number of Observations Read	24
Number of Observations Used	24
Number of Observations Not Used	0

Covariance Parameter Estimates	
Cov Parm	Estimate
Residual	1.8346

Fit Statistics	
-2 Res Log Likelihood	76.9
AIC (Smaller is Better)	78.9
AICC (Smaller is Better)	79.1
BIC (Smaller is Better)	79.9

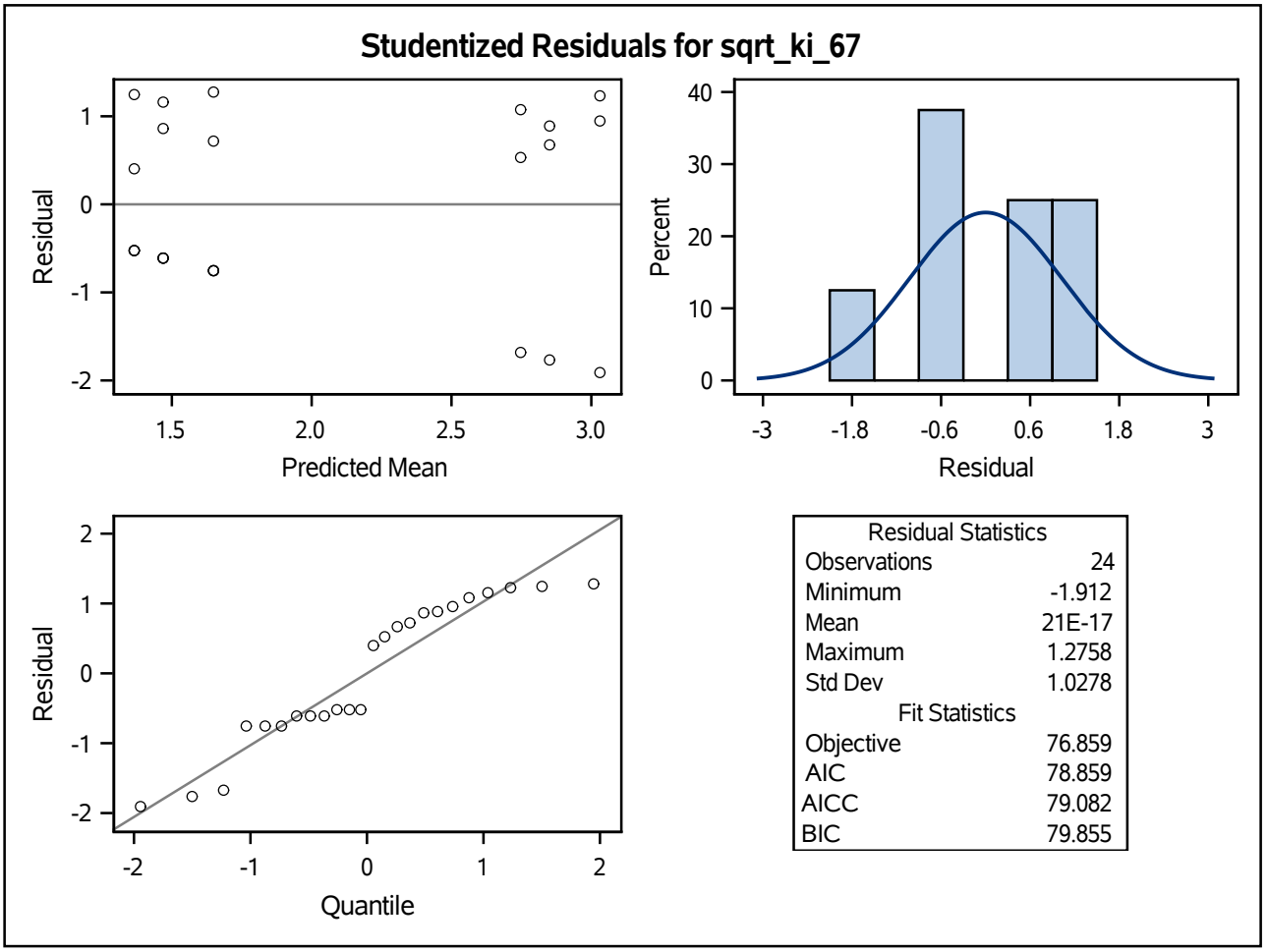
Type 3 Tests of Fixed Effects				
Effect	Num DF	Den DF	F Value	Pr > F
Drug	1	20	5.87	0.0250
Site	2	20	0.09	0.9151

The Mixed Procedure

Least Squares Means										
Effect	Drug	Site	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Drug	CONTR		1.4937	0.3497	20	4.27	0.0004	0.05	0.7642	2.2232
Drug	D		2.8774	0.4515	20	6.37	<.0001	0.05	1.9356	3.8192
Site		A	2.1610	0.4842	20	4.46	0.0002	0.05	1.1511	3.1710
Site		B	2.0565	0.4842	20	4.25	0.0004	0.05	1.0465	3.0664
Site		C	2.3391	0.4842	20	4.83	0.0001	0.05	1.3292	3.3491

Differences of Least Squares Means														
Effect	Drug	Site	_Drug	_Site	Estimate	Standard Error	DF	t Value	Pr > |t|	Adjustment	Adj P	Alpha	Lower	Upper
Drug	CONTR		D		-1.3837	0.5711	20	-2.42	0.0250	Tukey-Kramer	0.0250	0.05	-2.5750	-0.1925
Site		A		B	0.1046	0.6772	20	0.15	0.8788	Tukey-Kramer	0.9869	0.05	-1.3081	1.5173
Site		A		C	-0.1781	0.6772	20	-0.26	0.7953	Tukey-Kramer	0.9627	0.05	-1.5908	1.2346
Site		B		C	-0.2827	0.6772	20	-0.42	0.6808	Tukey-Kramer	0.9089	0.05	-1.6954	1.1300

Differences of Least Squares Means						
Effect	Drug	Site	_Drug	_Site	Adj Lower	Adj Upper
Drug	CONTR		D		-2.5750	-0.1925
Site		A		B	-1.6088	1.8180
Site		A		C	-1.8915	1.5353
Site		B		C	-1.9961	1.4307



The Mixed Procedure

Model Information	
Data Set	HEIDI.LIMAKALVO
Dependent Variable	sqrt_ki_67
Covariance Structure	Diagonal
Estimation Method	REML
Residual Variance Method	Profile
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Residual

Class Level Information		
Class	Levels	Values
Drug	2	CONTR Z
Site	3	A B C

Dimensions	
Covariance Parameters	1
Columns in X	6
Columns in Z	0
Subjects	1
Max Obs per Subject	24

Number of Observations	
Number of Observations Read	24
Number of Observations Used	24
Number of Observations Not Used	0

Covariance Parameter Estimates	
Cov Parm	Estimate
Residual	0.7721

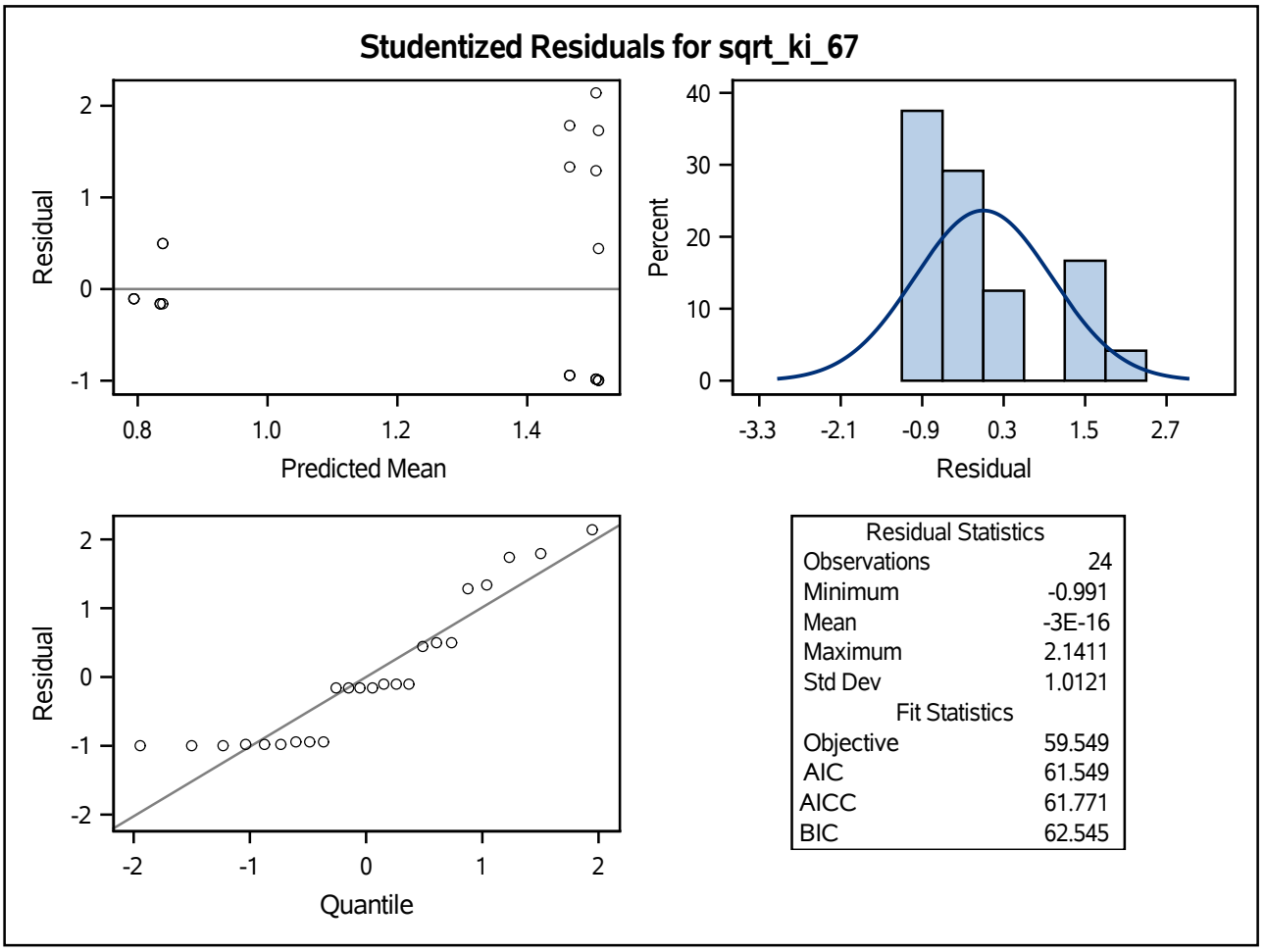
Fit Statistics	
-2 Res Log Likelihood	59.5
AIC (Smaller is Better)	61.5
AICC (Smaller is Better)	61.8
BIC (Smaller is Better)	62.5

Type 3 Tests of Fixed Effects				
Effect	Num DF	Den DF	F Value	Pr > F
Drug	1	20	3.29	0.0849
Site	2	20	0.01	0.9937

Least Squares Means									
Effect	Drug	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Drug	CONTR	1.4937	0.2269	20	6.58	<.0001	0.05	1.0204	1.9669
Drug	Z	0.8221	0.2929	20	2.81	0.0109	0.05	0.2112	1.4331

The Mixed Procedure

Differences of Least Squares Means														
Effect	Drug	_Drug	Estimate	Standard Error	DF	t Value	Pr > |t|	Adjustment	Adj P	Alpha	Lower	Upper	Adj Lower	Adj Upper
Drug	CONTR	Z	0.6715	0.3705	20	1.81	0.0849	Tukey-Kramer	0.0849	0.05	-0.1013	1.4443	-0.1013	1.4443



The Mixed Procedure

Model Information	
Data Set	HEIDI.LIMAKALVO
Dependent Variable	sqrt_ki_67
Covariance Structure	Diagonal
Estimation Method	REML
Residual Variance Method	Profile
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Residual

Class Level Information		
Class	Levels	Values
Drug	2	AL CONTR
Site	3	A B C

Dimensions	
Covariance Parameters	1
Columns in X	6
Columns in Z	0
Subjects	1
Max Obs per Subject	24

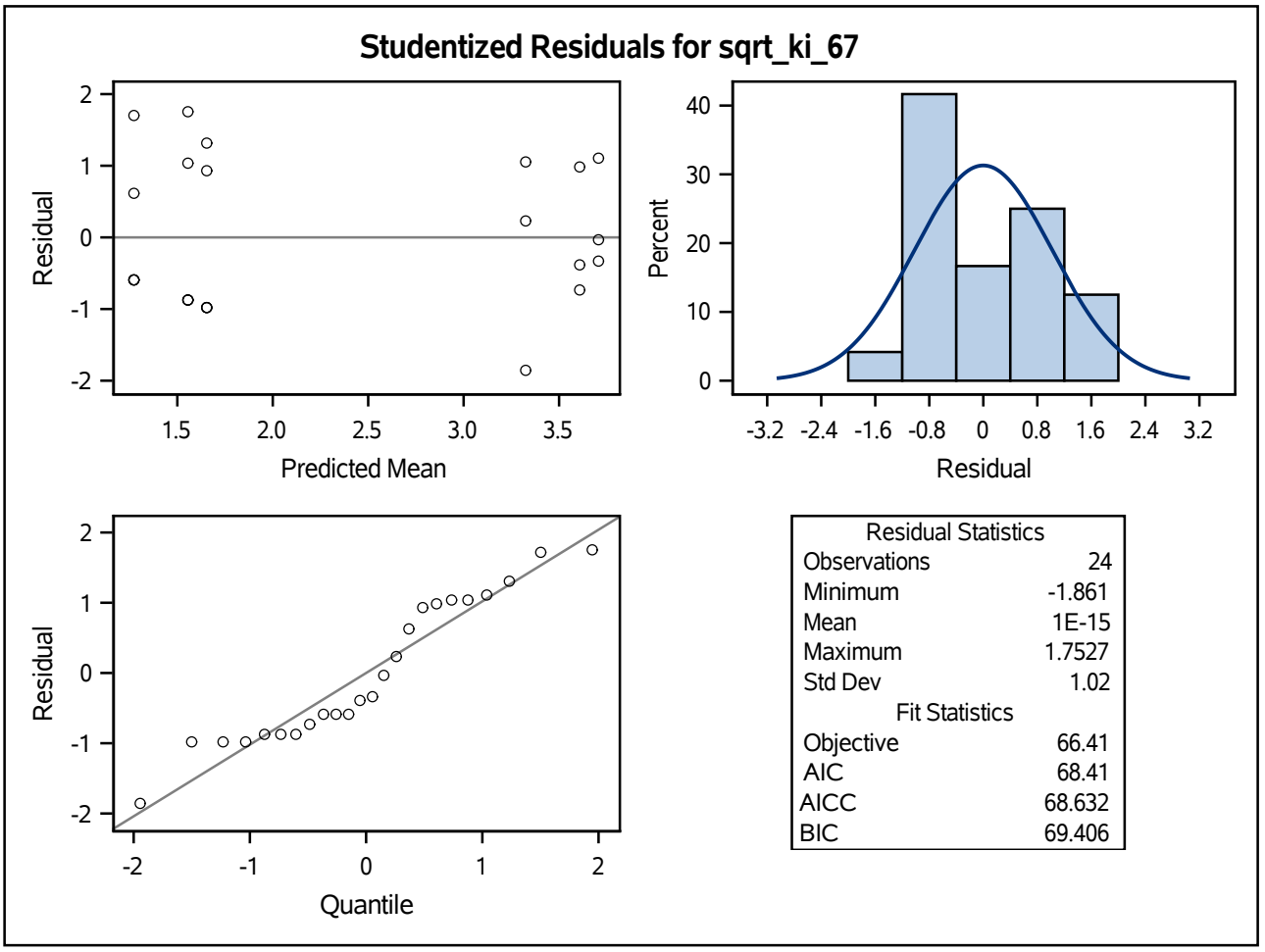
Number of Observations	
Number of Observations Read	24
Number of Observations Used	24
Number of Observations Not Used	0

Covariance Parameter Estimates	
Cov Parm	Estimate
Residual	1.0880

Fit Statistics	
-2 Res Log Likelihood	66.4
AIC (Smaller is Better)	68.4
AICC (Smaller is Better)	68.6
BIC (Smaller is Better)	69.4

Type 3 Tests of Fixed Effects				
Effect	Num DF	Den DF	F Value	Pr > F
Drug	1	20	21.77	0.0001
Site	2	20	0.29	0.7504

Least Squares Means									
Effect	Drug	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper
Drug	AL	3.5456	0.3477	20	10.20	<.0001	0.05	2.8203	4.2708
Drug	CONTR	1.4937	0.2693	20	5.55	<.0001	0.05	0.9319	2.0555

The Mixed Procedure

Differences of Least Squares Means														
Effect	Drug	_Drug	Estimate	Standard Error	DF	t Value	Pr > |t|	Adjustment	Adj P	Alpha	Lower	Upper	Adj Lower	Adj Upper
Drug	AL	CONTR	2.0519	0.4398	20	4.67	0.0001	Tukey-Kramer	0.0001	0.05	1.1345	2.9693	1.1345	2.9693