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<br>29.17<br>46.67<br>87.50 | 8<br>33.33<br>53.33<br>50.00 | 15<br>62.50 |
| D_AE | 1<br>4.17<br>11.11<br>12.50 | 8<br>33.33<br>88.89<br>50.00 | 9<br>37.50 |
| Total | 8<br>33.33 | 16<br>66.67 | 24<br>100.00 |

Statistics for Table of Drug by Apoptosis_yes_1_more_than_1_ap

| Statistic | DF | Value | Prob |
|---|---|---|---|
| Chi-Square | 1 | 3.2000 | 0.0736 |
| Likelihood Ratio Chi-Square | 1 | 3.5460 | 0.0597 |
| Continuity Adj. Chi-Square | 1 | 1.8000 | 0.1797 |
| Mantel-Haenszel Chi-Square | 1 | 3.0667 | 0.0799 |
| Phi Coefficient | | 0.3651 | |
| Contingency Coefficient | | 0.3430 | |
| Cramer's V | | 0.3651 | |
| 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 | 0.9913 |
| Right-sided Pr >= F | 0.0875 |
| | |
| Table Probability (P) | 0.0787 |
| Two-sided Pr <= P | 0.1782 |

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 |
| CONTR | 15<br>62.50<br>100.00<br>75.00 | 0<br>0.00<br>0.00<br>0.00 | 15<br>62.50 |
| D_AE | 5<br>20.83<br>55.56<br>25.00 | 4<br>16.67<br>44.44<br>100.00 | 9<br>37.50 |
| Total | 20<br>83.33 | 4<br>16.67 | 24<br>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 | 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) | 15 |
| Left-sided Pr <= F | 1.0000 |
| Right-sided Pr >= F | 0.0119 |
| | |
| Table Probability (P) | 0.0119 |
| Two-sided Pr <= P | 0.0119 |

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 |
|---|---|---|---|---|
| CONTR | 2<br>8.33<br>13.33<br>40.00 | 13<br>54.17<br>86.67<br>72.22 | 0<br>0.00<br>0.00<br>0.00 | 15<br>62.50 |
| D_AE | 3<br>12.50<br>33.33<br>60.00 | 5<br>20.83<br>55.56<br>27.78 | 1<br>4.17<br>11.11<br>100.00 | 9<br>37.50 |
| Total | 5<br>20.83 | 18<br>75.00 | 1<br>4.17 | 24<br>100.00 |

Statistics for Table of Drug by Disorganised_0_2

| Statistic | DF | Value | Prob |
|---|---|---|---|
| Chi-Square | 2 | 3.4726 | 0.1762 |
| Likelihood Ratio Chi-Square | 2 | 3.7546 | 0.1530 |
| Mantel-Haenszel Chi-Square | 1 | 0.1917 | 0.6615 |
| Phi Coefficient | | 0.3804 | |
| Contingency Coefficient | | 0.3555 | |
| Cramer's V | | 0.3804 | |
| 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) | 0.0655 |
| Pr <= P | 0.1836 |

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 |
| CONTR | 15<br>62.50<br>100.00<br>65.22 | 0<br>0.00<br>0.00<br>0.00 | 15<br>62.50 |
| D_AE | 8<br>33.33<br>88.89<br>34.78 | 1<br>4.17<br>11.11<br>100.00 | 9<br>37.50 |
| Total | 23<br>95.83 | 1<br>4.17 | 24<br>100.00 |

Statistics for Table of Drug by Cell_atypia_yes_1_no_0

| Statistic | DF | Value | Prob |
|---|---|---|---|
| Chi-Square | 1 | 1.7391 | 0.1872 |
| Likelihood Ratio Chi-Square | 1 | 2.0349 | 0.1537 |
| Continuity Adj. Chi-Square | 1 | 0.0696 | 0.7920 |
| Mantel-Haenszel Chi-Square | 1 | 1.6667 | 0.1967 |
| Phi Coefficient | | 0.2692 | |
| Contingency Coefficient | | 0.2599 | |
| Cramer's V | | 0.2692 | |
| 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 | 0.3750 |
| | |
| Table Probability (P) | 0.3750 |
| Two-sided Pr <= P | 0.3750 |

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 |
| CONTR | 15<br>62.50<br>100.00<br>68.18 | 0<br>0.00<br>0.00<br>0.00 | 15<br>62.50 |
| D_AE | 7<br>29.17<br>77.78<br>31.82 | 2<br>8.33<br>22.22<br>100.00 | 9<br>37.50 |
| Total | 22<br>91.67 | 2<br>8.33 | 24<br>100.00 |

The FREQ Procedure

Statistics for Table of Drug by Metaplasia_0_2

| 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) | 15 |
| Left-sided Pr <= F | 1.0000 |
| Right-sided Pr >= F | 0.1304 |
| | |
| Table Probability (P) | 0.1304 |
| Two-sided Pr <= P | 0.1304 |

Sample Size = 24

| Frequency<br>Percent<br>Row Pct<br>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<br>62.50<br>100.00<br>62.50 | 15<br>62.50 |
| D_AE | 9<br>37.50<br>100.00<br>37.50 | 9<br>37.50 |
| Total | 24<br>100.00 | 24<br>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 |
| AE | 3<br>14.29<br>25.00<br>75.00 | 9<br>42.86<br>75.00<br>52.94 | 12<br>57.14 |
| D_AE | 1<br>4.76<br>11.11<br>25.00 | 8<br>38.10<br>88.89<br>47.06 | 9<br>42.86 |
| Total | 4<br>19.05 | 17<br>80.95 | 21<br>100.00 |

Statistics for Table of Drug by Apoptosis_yes_1_more_than_1_ap

| Statistic | DF | Value | Prob |
|---|---|---|---|
| Chi-Square | 1 | 0.6434 | 0.4225 |
| Likelihood Ratio Chi-Square | 1 | 0.6753 | 0.4112 |
| Continuity Adj. Chi-Square | 1 | 0.0579 | 0.8098 |
| Mantel-Haenszel Chi-Square | 1 | 0.6127 | 0.4338 |
| Phi Coefficient | | 0.1750 | |
| Contingency Coefficient | | 0.1724 | |
| Cramer's V | | 0.1750 | |
| 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 | 0.9173 |
| Right-sided Pr >= F | 0.4135 |
| | |
| Table Probability (P) | 0.3308 |
| Two-sided Pr <= P | 0.6030 |

Sample Size = 21

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 |
| AE | 10<br>47.62<br>83.33<br>66.67 | 2<br>9.52<br>16.67<br>33.33 | 12<br>57.14 |
| D_AE | 5<br>23.81<br>55.56<br>33.33 | 4<br>19.05<br>44.44<br>66.67 | 9<br>42.86 |
| Total | 15<br>71.43 | 6<br>28.57 | 21<br>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 | 1.9444 | 0.1632 |
| Likelihood Ratio Chi-Square | 1 | 1.9485 | 0.1627 |
| Continuity Adj. Chi-Square | 1 | 0.8215 | 0.3647 |
| Mantel-Haenszel Chi-Square | 1 | 1.8519 | 0.1736 |
| Phi Coefficient | | 0.3043 | |
| Contingency Coefficient | | 0.2911 | |
| Cramer's V | | 0.3043 | |
| 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) | 10 |
| Left-sided Pr <= F | 0.9706 |
| Right-sided Pr >= F | 0.1827 |
| | |
| Table Probability (P) | 0.1533 |
| Two-sided Pr <= P | 0.3310 |

Sample Size = 21

Frequency
Percent
Row Pct
Col Pct

Table of Drug by Disorganised_0_2

| Drug | Disorganised_0_2(Disorganised 0-2) 0 | 1 | 2 | Total |
|---|---|---|---|---|
| AE | 7<br>33.33<br>58.33<br>70.00 | 4<br>19.05<br>33.33<br>44.44 | 1<br>4.76<br>8.33<br>50.00 | 12<br>57.14 |
| D_AE | 3<br>14.29<br>33.33<br>30.00 | 5<br>23.81<br>55.56<br>55.56 | 1<br>4.76<br>11.11<br>50.00 | 9<br>42.86 |
| Total | 10<br>47.62 | 9<br>42.86 | 2<br>9.52 | 21<br>100.00 |

Statistics for Table of Drug by Disorganised_0_2

| Statistic | DF | Value | Prob |
|---|---|---|---|
| Chi-Square | 2 | 1.3093 | 0.5196 |
| Likelihood Ratio Chi-Square | 2 | 1.3270 | 0.5151 |
| Mantel-Haenszel Chi-Square | 1 | 0.8865 | 0.3464 |
| Phi Coefficient | | 0.2497 | |
| Contingency Coefficient | | 0.2423 | |
| Cramer's V | | 0.2497 | |
| 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) | 0.1029 |
| Pr <= P | 0.5679 |

Sample Size = 21

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 |
| AE | 12<br>57.14<br>100.00<br>60.00 | 0<br>0.00<br>0.00<br>0.00 | 12<br>57.14 |
| D_AE | 8<br>38.10<br>88.89<br>40.00 | 1<br>4.76<br>11.11<br>100.00 | 9<br>42.86 |
| Total | 20<br>95.24 | 1<br>4.76 | 21<br>100.00 |

Statistics for Table of Drug by Cell_atypia_yes_1_no_0

| Statistic | DF | Value | Prob |
|---|---|---|---|
| Chi-Square | 1 | 1.4000 | 0.2367 |
| Likelihood Ratio Chi-Square | 1 | 1.7617 | 0.1844 |
| Continuity Adj. Chi-Square | 1 | 0.0219 | 0.8824 |
| Mantel-Haenszel Chi-Square | 1 | 1.3333 | 0.2482 |
| Phi Coefficient | | 0.2582 | |
| Contingency Coefficient | | 0.2500 | |
| Cramer's V | | 0.2582 | |
| 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) | 12 |
| Left-sided Pr <= F | 1.0000 |
| Right-sided Pr >= F | 0.4286 |
| | |
| Table Probability (P) | 0.4286 |
| Two-sided Pr <= P | 0.4286 |

Sample Size = 21

Frequency
Percent
Row Pct
Col Pct

| Table of Drug by Metaplasia_0_2 | | | |
|---|---|---|---|
| | Metaplasia_0_2(Metaplasia 0-2) | | |
| Drug | 0 | 1 | Total |
| AE | 12<br>57.14<br>100.00<br>63.16 | 0<br>0.00<br>0.00<br>0.00 | 12<br>57.14 |
| D_AE | 7<br>33.33<br>77.78<br>36.84 | 2<br>9.52<br>22.22<br>100.00 | 9<br>42.86 |
| Total | 19<br>90.48 | 2<br>9.52 | 21<br>100.00 |

The FREQ Procedure

Statistics for Table of Drug by Metaplasia_0_2

| Statistic | DF | Value | Prob |
|---|---|---|---|
| Chi-Square | 1 | 2.9474 | 0.0860 |
| Likelihood Ratio Chi-Square | 1 | 3.6740 | 0.0553 |
| Continuity Adj. Chi-Square | 1 | 0.9326 | 0.3342 |
| Mantel-Haenszel Chi-Square | 1 | 2.8070 | 0.0939 |
| Phi Coefficient | | 0.3746 | |
| Contingency Coefficient | | 0.3508 | |
| Cramer's V | | 0.3746 | |
| 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) | 12 |
| Left-sided Pr <= F | 1.0000 |
| Right-sided Pr >= F | 0.1714 |
| | |
| Table Probability (P) | 0.1714 |
| Two-sided Pr <= P | 0.1714 |

Sample Size = 21

| Frequency<br>Percent<br>Row Pct<br>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 |
| AE | 12<br>57.14<br>100.00<br>57.14 | 12<br>57.14 |
| D_AE | 9<br>42.86<br>100.00<br>42.86 | 9<br>42.86 |
| Total | 21<br>100.00 | 21<br>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 |
| AE | 3<br>8.33<br>25.00<br>27.27 | 9<br>25.00<br>75.00<br>36.00 | 12<br>33.33 |
| CONTR | 7<br>19.44<br>46.67<br>63.64 | 8<br>22.22<br>53.33<br>32.00 | 15<br>41.67 |
| D_AE | 1<br>2.78<br>11.11<br>9.09 | 8<br>22.22<br>88.89<br>32.00 | 9<br>25.00 |
| Total | 11<br>30.56 | 25<br>69.44 | 36<br>100.00 |

Statistics for Table of Drug by Apoptosis_yes_1_more_than_1_ap

| Statistic | DF | Value | Prob |
|---|---|---|---|
| Chi-Square | 2 | 3.6131 | 0.1642 |
| Likelihood Ratio Chi-Square | 2 | 3.8132 | 0.1486 |
| Mantel-Haenszel Chi-Square | 1 | 0.2591 | 0.6107 |
| Phi Coefficient | | 0.3168 | |
| Contingency Coefficient | | 0.3020 | |
| Cramer's V | | 0.3168 | |
| WARNING: 50% of the cells have expected counts less than 5. Chi-Square may not be a valid test. | | | |

| Fisher's Exact Test | |
|---|---|
| Table Probability (P) | 0.0212 |
| Pr <= P | 0.2216 |

Sample Size = 36

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 |
| AE | 10<br>27.78<br>83.33<br>33.33 | 2<br>5.56<br>16.67<br>33.33 | 12<br>33.33 |
| CONTR | 15<br>41.67<br>100.00<br>50.00 | 0<br>0.00<br>0.00<br>0.00 | 15<br>41.67 |
| D_AE | 5<br>13.89<br>55.56<br>16.67 | 4<br>11.11<br>44.44<br>66.67 | 9<br>25.00 |
| Total | 30<br>83.33 | 6<br>16.67 | 36<br>100.00 |

The FREQ Procedure

Statistics for Table of Drug by Keratinisation_0_2_0_NONE_2_Ext

| Statistic | DF | Value | Prob |
|---|---|---|---|
| Chi-Square | 2 | 8.0000 | 0.0183 |
| Likelihood Ratio Chi-Square | 2 | 9.2616 | 0.0097 |
| Mantel-Haenszel Chi-Square | 1 | 2.1084 | 0.1465 |
| Phi Coefficient | | 0.4714 | |
| Contingency Coefficient | | 0.4264 | |
| Cramer's V | | 0.4714 | |
| WARNING: 50% of the cells have expected counts less than 5. Chi-Square may not be a valid test. | | | |

| Fisher's Exact Test | |
|---|---|
| Table Probability (P) | 0.0043 |
| Pr <= P | 0.0128 |

Sample Size = 36

Frequency
Percent
Row Pct
Col Pct

Table of Drug by Disorganised_0_2

| Drug | Disorganised_0_2(Disorganised 0-2) 0 | 1 | 2 | Total |
|---|---|---|---|---|
| AE | 7<br>19.44<br>58.33<br>58.33 | 4<br>11.11<br>33.33<br>18.18 | 1<br>2.78<br>8.33<br>50.00 | 12<br>33.33 |
| CONTR | 2<br>5.56<br>13.33<br>16.67 | 13<br>36.11<br>86.67<br>59.09 | 0<br>0.00<br>0.00<br>0.00 | 15<br>41.67 |
| D_AE | 3<br>8.33<br>33.33<br>25.00 | 5<br>13.89<br>55.56<br>22.73 | 1<br>2.78<br>11.11<br>50.00 | 9<br>25.00 |
| Total | 12<br>33.33 | 22<br>61.11 | 2<br>5.56 | 36<br>100.00 |

Statistics for Table of Drug by Disorganised_0_2

| Statistic | DF | Value | Prob |
|---|---|---|---|
| Chi-Square | 4 | 8.7136 | 0.0687 |
| Likelihood Ratio Chi-Square | 4 | 9.6483 | 0.0468 |
| Mantel-Haenszel Chi-Square | 1 | 1.5072 | 0.2196 |
| Phi Coefficient | | 0.4920 | |
| Contingency Coefficient | | 0.4414 | |
| Cramer's V | | 0.3479 | |
| WARNING: 56% of the cells have expected counts less than 5. Chi-Square may not be a valid test. | | | |

| Fisher's Exact Test | |
|---|---|
| Table Probability (P) | 0.0006 |
| Pr <= P | 0.0306 |

Sample Size = 36

The FREQ Procedure

Frequency
Percent
Row Pct
Col Pct

Table of Drug by Cell_atypia_yes_1_no_0

| Drug | Cell_atypia_yes_1_no_0(Cell atypia yes 1, no 0) 0 | 1 | Total |
|---|---|---|---|
| AE | 12<br>33.33<br>100.00<br>34.29 | 0<br>0.00<br>0.00<br>0.00 | 12<br>33.33 |
| CONTR | 15<br>41.67<br>100.00<br>42.86 | 0<br>0.00<br>0.00<br>0.00 | 15<br>41.67 |
| D_AE | 8<br>22.22<br>88.89<br>22.86 | 1<br>2.78<br>11.11<br>100.00 | 9<br>25.00 |
| Total | 35<br>97.22 | 1<br>2.78 | 36<br>100.00 |

Statistics for Table of Drug by Cell_atypia_yes_1_no_0

| Statistic | DF | Value | Prob |
|---|---|---|---|
| Chi-Square | 2 | 3.0857 | 0.2138 |
| Likelihood Ratio Chi-Square | 2 | 2.8600 | 0.2393 |
| Mantel-Haenszel Chi-Square | 1 | 2.0361 | 0.1536 |
| Phi Coefficient | | 0.2928 | |
| Contingency Coefficient | | 0.2810 | |
| Cramer's V | | 0.2928 | |

WARNING: 50% of the cells have expected counts less than 5. Chi-Square may not be a valid test.

| Fisher's Exact Test | |
|---|---|
| Table Probability (P) | 0.2500 |
| Pr <= P | 0.2500 |

Sample Size = 36

Frequency
Percent
Row Pct
Col Pct

Table of Drug by Metaplasia_0_2

| Drug | Metaplasia_0_2(Metaplasia 0-2) 0 | 1 | Total |
|---|---|---|---|
| AE | 12<br>33.33<br>100.00<br>35.29 | 0<br>0.00<br>0.00<br>0.00 | 12<br>33.33 |
| CONTR | 15<br>41.67<br>100.00<br>44.12 | 0<br>0.00<br>0.00<br>0.00 | 15<br>41.67 |
| D_AE | 7<br>19.44<br>77.78<br>20.59 | 2<br>5.56<br>22.22<br>100.00 | 9<br>25.00 |
| Total | 34<br>94.44 | 2<br>5.56 | 36<br>100.00 |

The FREQ Procedure

Statistics for Table of Drug by Metaplasia_0_2

| Statistic | DF | Value | Prob |
|---|---|---|---|
| Chi-Square | 2 | 6.3529 | 0.0417 |
| Likelihood Ratio Chi-Square | 2 | 5.9135 | 0.0520 |
| Mantel-Haenszel Chi-Square | 1 | 4.1921 | 0.0406 |
| Phi Coefficient | | 0.4201 | |
| Contingency Coefficient | | 0.3873 | |
| Cramer's V | | 0.4201 | |

WARNING: 50% of the cells have expected counts less than 5. Chi-Square may not be a valid test.

| Fisher's Exact Test | |
|---|---|
| Table Probability (P) | 0.0571 |
| Pr <= P | 0.0571 |

Sample Size = 36

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 |
| AE | 12<br>33.33<br>100.00<br>33.33 | 12<br>33.33 |
| CONTR | 15<br>41.67<br>100.00<br>41.67 | 15<br>41.67 |
| D_AE | 9<br>25.00<br>100.00<br>25.00 | 9<br>25.00 |
| Total | 36<br>100.00 | 36<br>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<br>29.17<br>46.67<br>58.33 | 8<br>33.33<br>53.33<br>66.67 | 15<br>62.50 |
| Z_AE | 5<br>20.83<br>55.56<br>41.67 | 4<br>16.67<br>44.44<br>33.33 | 9<br>37.50 |
| Total | 12<br>50.00 | 12<br>50.00 | 24<br>100.00 |

Statistics for Table of Drug by Apoptosis_yes_1_more_than_1_ap

| Statistic | DF | Value | Prob |
|---|---|---|---|
| Chi-Square | 1 | 0.1778 | 0.6733 |
| Likelihood Ratio Chi-Square | 1 | 0.1781 | 0.6730 |
| Continuity Adj. Chi-Square | 1 | 0.0000 | 1.0000 |
| Mantel-Haenszel Chi-Square | 1 | 0.1704 | 0.6798 |
| Phi Coefficient | | -0.0861 | |
| Contingency Coefficient | | 0.0857 | |
| Cramer's V | | -0.0861 | |
| 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 | 0.5000 |
| Right-sided Pr >= F | 0.7998 |
| | |
| Table Probability (P) | 0.2998 |
| Two-sided Pr <= P | 1.0000 |

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 |
| CONTR | 15<br>62.50<br>100.00<br>65.22 | 0<br>0.00<br>0.00<br>0.00 | 15<br>62.50 |
| Z_AE | 8<br>33.33<br>88.89<br>34.78 | 1<br>4.17<br>11.11<br>100.00 | 9<br>37.50 |
| Total | 23<br>95.83 | 1<br>4.17 | 24<br>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 | 1.7391 | 0.1872 |
| Likelihood Ratio Chi-Square | 1 | 2.0349 | 0.1537 |
| Continuity Adj. Chi-Square | 1 | 0.0696 | 0.7920 |
| Mantel-Haenszel Chi-Square | 1 | 1.6667 | 0.1967 |
| Phi Coefficient | | 0.2692 | |
| Contingency Coefficient | | 0.2599 | |
| Cramer's V | | 0.2692 | |
| 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 | 0.3750 |
| | |
| Table Probability (P) | 0.3750 |
| Two-sided Pr <= P | 0.3750 |

Sample Size = 24

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<br>8.33<br>13.33<br>25.00 | 13<br>54.17<br>86.67<br>81.25 | 15<br>62.50 |
| Z_AE | 6<br>25.00<br>66.67<br>75.00 | 3<br>12.50<br>33.33<br>18.75 | 9<br>37.50 |
| Total | 8<br>33.33 | 16<br>66.67 | 24<br>100.00 |

The FREQ Procedure

Statistics for Table of Drug by Disorganised_0_2

| Statistic | DF | Value | Prob |
|---|---|---|---|
| Chi-Square | 1 | 7.2000 | 0.0073 |
| Likelihood Ratio Chi-Square | 1 | 7.3152 | 0.0068 |
| Continuity Adj. Chi-Square | 1 | 5.0000 | 0.0253 |
| Mantel-Haenszel Chi-Square | 1 | 6.9000 | 0.0086 |
| Phi Coefficient | | -0.5477 | |
| Contingency Coefficient | | 0.4804 | |
| Cramer's V | | -0.5477 | |
| 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 | 0.0127 |
| Right-sided Pr >= F | 0.9993 |
| | |
| Table Probability (P) | 0.0120 |
| Two-sided Pr <= P | 0.0215 |

Sample Size = 24

Frequency
Percent
Row Pct
Col Pct

Table of Drug by Cell_atypia_yes_1_no_0

| Drug | Cell_atypia_yes_1_no_0(Cell atypia yes 1, no 0) 0 | Total |
|---|---|---|
| CONTR | 15<br>62.50<br>100.00<br>62.50 | 15<br>62.50 |
| Z_AE | 9<br>37.50<br>100.00<br>37.50 | 9<br>37.50 |
| Total | 24<br>100.00 | 24<br>100.00 |

Frequency
Percent
Row Pct
Col Pct

Table of Drug by Metaplasia_0_2

| Drug | Metaplasia_0_2(Metaplasia 0-2) 0 | Total |
|---|---|---|
| CONTR | 15<br>62.50<br>100.00<br>62.50 | 15<br>62.50 |
| Z_AE | 9<br>37.50<br>100.00<br>37.50 | 9<br>37.50 |
| Total | 24<br>100.00 | 24<br>100.00 |

The FREQ Procedure

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<br>62.50<br>100.00<br>62.50 | 15<br>62.50 |
| Z_AE | 9<br>37.50<br>100.00<br>37.50 | 9<br>37.50 |
| Total | 24<br>100.00 | 24<br>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 |
| AE | 3<br>14.29<br>25.00<br>37.50 | 9<br>42.86<br>75.00<br>69.23 | 12<br>57.14 |
| Z_AE | 5<br>23.81<br>55.56<br>62.50 | 4<br>19.05<br>44.44<br>30.77 | 9<br>42.86 |
| Total | 8<br>38.10 | 13<br>61.90 | 21<br>100.00 |

Statistics for Table of Drug by Apoptosis_yes_1_more_than_1_ap

| Statistic | DF | Value | Prob |
|---|---|---|---|
| Chi-Square | 1 | 2.0361 | 0.1536 |
| Likelihood Ratio Chi-Square | 1 | 2.0488 | 0.1523 |
| Continuity Adj. Chi-Square | 1 | 0.9465 | 0.3306 |
| Mantel-Haenszel Chi-Square | 1 | 1.9391 | 0.1638 |
| Phi Coefficient | | -0.3114 | |
| Contingency Coefficient | | 0.2973 | |
| Cramer's V | | -0.3114 | |
| 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 | 0.1656 |
| Right-sided Pr >= F | 0.9706 |
| | |
| Table Probability (P) | 0.1362 |
| Two-sided Pr <= P | 0.2031 |

Sample Size = 21

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 |
| AE | 10<br>47.62<br>83.33<br>55.56 | 2<br>9.52<br>16.67<br>66.67 | 12<br>57.14 |
| Z_AE | 8<br>38.10<br>88.89<br>44.44 | 1<br>4.76<br>11.11<br>33.33 | 9<br>42.86 |
| Total | 18<br>85.71 | 3<br>14.29 | 21<br>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 | 0.1296 | 0.7188 |
| Likelihood Ratio Chi-Square | 1 | 0.1324 | 0.7159 |
| Continuity Adj. Chi-Square | 1 | 0.0000 | 1.0000 |
| Mantel-Haenszel Chi-Square | 1 | 0.1235 | 0.7253 |
| Phi Coefficient | | -0.0786 | |
| Contingency Coefficient | | 0.0783 | |
| Cramer's V | | -0.0786 | |
| 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) | 10 |
| Left-sided Pr <= F | 0.6120 |
| Right-sided Pr >= F | 0.8346 |
| | |
| Table Probability (P) | 0.4466 |
| Two-sided Pr <= P | 1.0000 |

Sample Size = 21

Frequency
Percent
Row Pct
Col Pct

Table of Drug by Disorganised_0_2

| Drug | Disorganised_0_2(Disorganised 0-2) 0 | 1 | 2 | Total |
|---|---|---|---|---|
| AE | 7<br>33.33<br>58.33<br>53.85 | 4<br>19.05<br>33.33<br>57.14 | 1<br>4.76<br>8.33<br>100.00 | 12<br>57.14 |
| Z_AE | 6<br>28.57<br>66.67<br>46.15 | 3<br>14.29<br>33.33<br>42.86 | 0<br>0.00<br>0.00<br>0.00 | 9<br>42.86 |
| Total | 13<br>61.90 | 7<br>33.33 | 1<br>4.76 | 21<br>100.00 |

Statistics for Table of Drug by Disorganised_0_2

| Statistic | DF | Value | Prob |
|---|---|---|---|
| Chi-Square | 2 | 0.8077 | 0.6677 |
| Likelihood Ratio Chi-Square | 2 | 1.1766 | 0.5553 |
| Mantel-Haenszel Chi-Square | 1 | 0.4000 | 0.5271 |
| Phi Coefficient | | 0.1961 | |
| Contingency Coefficient | | 0.1925 | |
| Cramer's V | | 0.1961 | |
| 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) | 0.2043 |
| Pr <= P | 1.0000 |

Sample Size = 21

The FREQ Procedure

Frequency
Percent
Row Pct
Col Pct

Table of Drug by Cell_atypia_yes_1_no_0

| Drug | Cell_atypia_yes_1_no_0(Cell atypia yes 1, no 0) 0 | Total |
|---|---|---|
| AE | 12<br>57.14<br>100.00<br>57.14 | 12<br>57.14 |
| Z_AE | 9<br>42.86<br>100.00<br>42.86 | 9<br>42.86 |
| Total | 21<br>100.00 | 21<br>100.00 |

Frequency
Percent
Row Pct
Col Pct

Table of Drug by Metaplasia_0_2

| Drug | Metaplasia_0_2(Metaplasia 0-2) 0 | Total |
|---|---|---|
| AE | 12<br>57.14<br>100.00<br>57.14 | 12<br>57.14 |
| Z_AE | 9<br>42.86<br>100.00<br>42.86 | 9<br>42.86 |
| Total | 21<br>100.00 | 21<br>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 |
|---|---|---|
| AE | 12<br>57.14<br>100.00<br>57.14 | 12<br>57.14 |
| Z_AE | 9<br>42.86<br>100.00<br>42.86 | 9<br>42.86 |
| Total | 21<br>100.00 | 21<br>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 |
| AE | 3<br>8.33<br>25.00<br>20.00 | 9<br>25.00<br>75.00<br>42.86 | 12<br>33.33 |
| CONTR | 7<br>19.44<br>46.67<br>46.67 | 8<br>22.22<br>53.33<br>38.10 | 15<br>41.67 |
| Z_AE | 5<br>13.89<br>55.56<br>33.33 | 4<br>11.11<br>44.44<br>19.05 | 9<br>25.00 |
| Total | 15<br>41.67 | 21<br>58.33 | 36<br>100.00 |

Statistics for Table of Drug by Apoptosis_yes_1_more_than_1_ap

| Statistic | DF | Value | Prob |
|---|---|---|---|
| Chi-Square | 2 | 2.2400 | 0.3263 |
| Likelihood Ratio Chi-Square | 2 | 2.3129 | 0.3146 |
| Mantel-Haenszel Chi-Square | 1 | 2.0361 | 0.1536 |
| Phi Coefficient | | 0.2494 | |
| Contingency Coefficient | | 0.2420 | |
| Cramer's V | | 0.2494 | |

| Fisher's Exact Test | |
|---|---|
| Table Probability (P) | 0.0320 |
| Pr <= P | 0.3635 |

Sample Size = 36

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 |
| AE | 10<br>27.78<br>83.33<br>30.30 | 2<br>5.56<br>16.67<br>66.67 | 12<br>33.33 |
| CONTR | 15<br>41.67<br>100.00<br>45.45 | 0<br>0.00<br>0.00<br>0.00 | 15<br>41.67 |
| Z_AE | 8<br>22.22<br>88.89<br>24.24 | 1<br>2.78<br>11.11<br>33.33 | 9<br>25.00 |
| Total | 33<br>91.67 | 3<br>8.33 | 36<br>100.00 |

The FREQ Procedure

Statistics for Table of Drug by Keratinisation_0_2_0_NONE_2_Ext

| Statistic | DF | Value | Prob |
|---|---|---|---|
| Chi-Square | 2 | 2.5455 | 0.2801 |
| Likelihood Ratio Chi-Square | 2 | 3.5597 | 0.1687 |
| Mantel-Haenszel Chi-Square | 1 | 0.3450 | 0.5569 |
| Phi Coefficient | | 0.2659 | |
| Contingency Coefficient | | 0.2570 | |
| Cramer's V | | 0.2659 | |
| WARNING: 50% of the cells have expected counts less than 5. Chi-Square may not be a valid test. | | | |

| Fisher's Exact Test | |
|---|---|
| Table Probability (P) | 0.0832 |
| Pr <= P | 0.3256 |

Sample Size = 36

Frequency
Percent
Row Pct
Col Pct

Table of Drug by Disorganised_0_2

| Drug | Disorganised_0_2(Disorganised 0-2) 0 | 1 | 2 | Total |
|---|---|---|---|---|
| AE | 7<br>19.44<br>58.33<br>46.67 | 4<br>11.11<br>33.33<br>20.00 | 1<br>2.78<br>8.33<br>100.00 | 12<br>33.33 |
| CONTR | 2<br>5.56<br>13.33<br>13.33 | 13<br>36.11<br>86.67<br>65.00 | 0<br>0.00<br>0.00<br>0.00 | 15<br>41.67 |
| Z_AE | 6<br>16.67<br>66.67<br>40.00 | 3<br>8.33<br>33.33<br>15.00 | 0<br>0.00<br>0.00<br>0.00 | 9<br>25.00 |
| Total | 15<br>41.67 | 20<br>55.56 | 1<br>2.78 | 36<br>100.00 |

Statistics for Table of Drug by Disorganised_0_2

| Statistic | DF | Value | Prob |
|---|---|---|---|
| Chi-Square | 4 | 11.5200 | 0.0213 |
| Likelihood Ratio Chi-Square | 4 | 12.4004 | 0.0146 |
| Mantel-Haenszel Chi-Square | 1 | 0.2175 | 0.6410 |
| Phi Coefficient | | 0.5657 | |
| Contingency Coefficient | | 0.4924 | |
| Cramer's V | | 0.4000 | |
| WARNING: 44% of the cells have expected counts less than 5. Chi-Square may not be a valid test. | | | |

| Fisher's Exact Test | |
|---|---|
| Table Probability (P) | 0.0003 |
| Pr <= P | 0.0097 |

Sample Size = 36

The FREQ Procedure

Frequency
Percent
Row Pct
Col Pct

Table of Drug by Cell_atypia_yes_1_no_0

| Drug | Cell_atypia_yes_1_no_0(Cell atypia yes 1, no 0) 0 | Total |
|---|---|---|
| AE | 12<br>33.33<br>100.00<br>33.33 | 12<br>33.33 |
| CONTR | 15<br>41.67<br>100.00<br>41.67 | 15<br>41.67 |
| Z_AE | 9<br>25.00<br>100.00<br>25.00 | 9<br>25.00 |
| Total | 36<br>100.00 | 36<br>100.00 |

Frequency
Percent
Row Pct
Col Pct

Table of Drug by Metaplasia_0_2

| Drug | Metaplasia_0_2(Metaplasia 0-2) 0 | Total |
|---|---|---|
| AE | 12<br>33.33<br>100.00<br>33.33 | 12<br>33.33 |
| CONTR | 15<br>41.67<br>100.00<br>41.67 | 15<br>41.67 |
| Z_AE | 9<br>25.00<br>100.00<br>25.00 | 9<br>25.00 |
| Total | 36<br>100.00 | 36<br>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 |
|---|---|---|
| AE | 12<br>33.33<br>100.00<br>33.33 | 12<br>33.33 |
| CONTR | 15<br>41.67<br>100.00<br>41.67 | 15<br>41.67 |
| Z_AE | 9<br>25.00<br>100.00<br>25.00 | 9<br>25.00 |
| Total | 36<br>100.00 | 36<br>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_AE | 5<br>18.52<br>41.67<br>41.67 | 7<br>25.93<br>58.33<br>46.67 | 12<br>44.44 |
| CONTR | 7<br>25.93<br>46.67<br>58.33 | 8<br>29.63<br>53.33<br>53.33 | 15<br>55.56 |
| Total | 12<br>44.44 | 15<br>55.56 | 27<br>100.00 |

Statistics for Table of Drug by Apoptosis_yes_1_more_than_1_ap

| Statistic | DF | Value | Prob |
|---|---|---|---|
| Chi-Square | 1 | 0.0675 | 0.7950 |
| Likelihood Ratio Chi-Square | 1 | 0.0676 | 0.7949 |
| Continuity Adj. Chi-Square | 1 | 0.0000 | 1.0000 |
| Mantel-Haenszel Chi-Square | 1 | 0.0650 | 0.7988 |
| Phi Coefficient | | -0.0500 | |
| Contingency Coefficient | | 0.0499 | |
| Cramer's V | | -0.0500 | |

| Fisher's Exact Test | |
|---|---|
| Cell (1,1) Frequency (F) | 5 |
| Left-sided Pr <= F | 0.5521 |
| Right-sided Pr >= F | 0.7411 |
| | |
| Table Probability (P) | 0.2932 |
| Two-sided Pr <= P | 1.0000 |

Sample Size = 27

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_AE | 6<br>22.22<br>50.00<br>28.57 | 6<br>22.22<br>50.00<br>100.00 | 12<br>44.44 |
| CONTR | 15<br>55.56<br>100.00<br>71.43 | 0<br>0.00<br>0.00<br>0.00 | 15<br>55.56 |
| Total | 21<br>77.78 | 6<br>22.22 | 27<br>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 | 9.6429 | 0.0019 |
| Likelihood Ratio Chi-Square | 1 | 11.9686 | 0.0005 |
| Continuity Adj. Chi-Square | 1 | 6.9670 | 0.0083 |
| Mantel-Haenszel Chi-Square | 1 | 9.2857 | 0.0023 |
| Phi Coefficient | | -0.5976 | |
| Contingency Coefficient | | 0.5130 | |
| Cramer's V | | -0.5976 | |
| 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) | 6 |
| Left-sided Pr <= F | 0.0031 |
| Right-sided Pr >= F | 1.0000 |
| | |
| Table Probability (P) | 0.0031 |
| Two-sided Pr <= P | 0.0031 |

Sample Size = 27

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_AE | 3<br>11.11<br>25.00<br>60.00 | 3<br>11.11<br>25.00<br>18.75 | 6<br>22.22<br>50.00<br>100.00 | 12<br>44.44 |
| CONTR | 2<br>7.41<br>13.33<br>40.00 | 13<br>48.15<br>86.67<br>81.25 | 0<br>0.00<br>0.00<br>0.00 | 15<br>55.56 |
| Total | 5<br>18.52 | 16<br>59.26 | 6<br>22.22 | 27<br>100.00 |

Statistics for Table of Drug by Disorganised_0_2

| Statistic | DF | Value | Prob |
|---|---|---|---|
| Chi-Square | 2 | 12.2681 | 0.0022 |
| Likelihood Ratio Chi-Square | 2 | 14.9233 | 0.0006 |
| Mantel-Haenszel Chi-Square | 1 | 2.3233 | 0.1274 |
| Phi Coefficient | | 0.6741 | |
| Contingency Coefficient | | 0.5589 | |
| Cramer's V | | 0.6741 | |
| 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) | 0.0003 |
| Pr <= P | 0.0005 |

Sample Size = 27

The FREQ Procedure

| Frequency<br>Percent<br>Row Pct<br>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_AE | 6<br>22.22<br>50.00<br>28.57 | 6<br>22.22<br>50.00<br>100.00 | 12<br>44.44 |
| CONTR | 15<br>55.56<br>100.00<br>71.43 | 0<br>0.00<br>0.00<br>0.00 | 15<br>55.56 |
| Total | 21<br>77.78 | 6<br>22.22 | 27<br>100.00 |

Statistics for Table of Drug by Cell_atypia_yes_1_no_0

| Statistic | DF | Value | Prob |
|---|---|---|---|
| Chi-Square | 1 | 9.6429 | 0.0019 |
| Likelihood Ratio Chi-Square | 1 | 11.9686 | 0.0005 |
| Continuity Adj. Chi-Square | 1 | 6.9670 | 0.0083 |
| Mantel-Haenszel Chi-Square | 1 | 9.2857 | 0.0023 |
| Phi Coefficient | | -0.5976 | |
| Contingency Coefficient | | 0.5130 | |
| Cramer's V | | -0.5976 | |
| 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) | 6 |
| Left-sided Pr <= F | 0.0031 |
| Right-sided Pr >= F | 1.0000 |
| | |
| Table Probability (P) | 0.0031 |
| Two-sided Pr <= P | 0.0031 |

Sample Size = 27

| Frequency<br>Percent<br>Row Pct<br>Col Pct | Table of Drug by Metaplasia_0_2 | | |
|---|---|---|---|
| | Metaplasia_0_2(Metaplasia 0-2) | | |
| Drug | 0 | 1 | Total |
| AL_AE | 7<br>25.93<br>58.33<br>31.82 | 5<br>18.52<br>41.67<br>100.00 | 12<br>44.44 |
| CONTR | 15<br>55.56<br>100.00<br>68.18 | 0<br>0.00<br>0.00<br>0.00 | 15<br>55.56 |
| Total | 22<br>81.48 | 5<br>18.52 | 27<br>100.00 |

The FREQ Procedure

Statistics for Table of Drug by Metaplasia_0_2

| Statistic | DF | Value | Prob |
|---|---|---|---|
| Chi-Square | 1 | 7.6705 | 0.0056 |
| Likelihood Ratio Chi-Square | 1 | 9.5743 | 0.0020 |
| Continuity Adj. Chi-Square | 1 | 5.1576 | 0.0231 |
| Mantel-Haenszel Chi-Square | 1 | 7.3864 | 0.0066 |
| Phi Coefficient | | -0.5330 | |
| Contingency Coefficient | | 0.4704 | |
| Cramer's V | | -0.5330 | |
| 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 | 0.0098 |
| Right-sided Pr >= F | 1.0000 |
| | |
| Table Probability (P) | 0.0098 |
| Two-sided Pr <= P | 0.0098 |

Sample Size = 27

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_AE | 10<br>37.04<br>83.33<br>40.00 | 2<br>7.41<br>16.67<br>100.00 | 12<br>44.44 |
| CONTR | 15<br>55.56<br>100.00<br>60.00 | 0<br>0.00<br>0.00<br>0.00 | 15<br>55.56 |
| Total | 25<br>92.59 | 2<br>7.41 | 27<br>100.00 |

The FREQ Procedure

Statistics for Table of Drug by Keratin_pearl_1_yes_0_no_

| Statistic | DF | Value | Prob |
|---|---|---|---|
| Chi-Square | 1 | 2.7000 | 0.1003 |
| Likelihood Ratio Chi-Square | 1 | 3.4453 | 0.0634 |
| Continuity Adj. Chi-Square | 1 | 0.8168 | 0.3661 |
| Mantel-Haenszel Chi-Square | 1 | 2.6000 | 0.1069 |
| Phi Coefficient | | -0.3162 | |
| Contingency Coefficient | | 0.3015 | |
| Cramer's V | | -0.3162 | |
| 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) | 10 |
| Left-sided Pr <= F | 0.1880 |
| Right-sided Pr >= F | 1.0000 |
| | |
| Table Probability (P) | 0.1880 |
| Two-sided Pr <= P | 0.1880 |

Sample Size = 27

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 |
| AE | 3<br>12.50<br>25.00<br>37.50 | 9<br>37.50<br>75.00<br>56.25 | 12<br>50.00 |
| AL_AE | 5<br>20.83<br>41.67<br>62.50 | 7<br>29.17<br>58.33<br>43.75 | 12<br>50.00 |
| Total | 8<br>33.33 | 16<br>66.67 | 24<br>100.00 |

Statistics for Table of Drug by Apoptosis_yes_1_more_than_1_ap

| Statistic | DF | Value | Prob |
|---|---|---|---|
| Chi-Square | 1 | 0.7500 | 0.3865 |
| Likelihood Ratio Chi-Square | 1 | 0.7560 | 0.3846 |
| Continuity Adj. Chi-Square | 1 | 0.1875 | 0.6650 |
| Mantel-Haenszel Chi-Square | 1 | 0.7187 | 0.3966 |
| Phi Coefficient | | -0.1768 | |
| Contingency Coefficient | | 0.1741 | |
| Cramer's V | | -0.1768 | |
| 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 | 0.3334 |
| Right-sided Pr >= F | 0.9035 |
| | |
| Table Probability (P) | 0.2369 |
| Two-sided Pr <= P | 0.6668 |

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 |
| AE | 10<br>41.67<br>83.33<br>62.50 | 2<br>8.33<br>16.67<br>25.00 | 12<br>50.00 |
| AL_AE | 6<br>25.00<br>50.00<br>37.50 | 6<br>25.00<br>50.00<br>75.00 | 12<br>50.00 |
| Total | 16<br>66.67 | 8<br>33.33 | 24<br>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 | 3.0000 | 0.0833 |
| Likelihood Ratio Chi-Square | 1 | 3.1037 | 0.0781 |
| Continuity Adj. Chi-Square | 1 | 1.6875 | 0.1939 |
| Mantel-Haenszel Chi-Square | 1 | 2.8750 | 0.0900 |
| Phi Coefficient | | 0.3536 | |
| Contingency Coefficient | | 0.3333 | |
| Cramer's V | | 0.3536 | |
| 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) | 10 |
| Left-sided Pr <= F | 0.9864 |
| Right-sided Pr >= F | 0.0965 |
| | |
| Table Probability (P) | 0.0829 |
| Two-sided Pr <= P | 0.1930 |

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 |
|---|---|---|---|---|
| AE | 7<br>29.17<br>58.33<br>70.00 | 4<br>16.67<br>33.33<br>57.14 | 1<br>4.17<br>8.33<br>14.29 | 12<br>50.00 |
| AL_AE | 3<br>12.50<br>25.00<br>30.00 | 3<br>12.50<br>25.00<br>42.86 | 6<br>25.00<br>50.00<br>85.71 | 12<br>50.00 |
| Total | 10<br>41.67 | 7<br>29.17 | 7<br>29.17 | 24<br>100.00 |

Statistics for Table of Drug by Disorganised_0_2

| Statistic | DF | Value | Prob |
|---|---|---|---|
| Chi-Square | 2 | 5.3143 | 0.0701 |
| Likelihood Ratio Chi-Square | 2 | 5.7514 | 0.0564 |
| Mantel-Haenszel Chi-Square | 1 | 4.6692 | 0.0307 |
| Phi Coefficient | | 0.4706 | |
| Contingency Coefficient | | 0.4258 | |
| Cramer's V | | 0.4706 | |
| 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) | 0.0109 |
| Pr <= P | 0.0948 |

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 |
| AE | 12<br>50.00<br>100.00<br>66.67 | 0<br>0.00<br>0.00<br>0.00 | 12<br>50.00 |
| AL_AE | 6<br>25.00<br>50.00<br>33.33 | 6<br>25.00<br>50.00<br>100.00 | 12<br>50.00 |
| Total | 18<br>75.00 | 6<br>25.00 | 24<br>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 | 10.3566 | 0.0013 |
| Continuity Adj. Chi-Square | 1 | 5.5556 | 0.0184 |
| 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) | 12 |
| Left-sided Pr <= F | 1.0000 |
| Right-sided Pr >= F | 0.0069 |
| | |
| Table Probability (P) | 0.0069 |
| Two-sided Pr <= P | 0.0137 |

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 |
| AE | 12<br>50.00<br>100.00<br>63.16 | 0<br>0.00<br>0.00<br>0.00 | 12<br>50.00 |
| AL_AE | 7<br>29.17<br>58.33<br>36.84 | 5<br>20.83<br>41.67<br>100.00 | 12<br>50.00 |
| Total | 19<br>79.17 | 5<br>20.83 | 24<br>100.00 |

The FREQ Procedure

Statistics for Table of Drug by Metaplasia_0_2

| Statistic | DF | Value | Prob |
|---|---|---|---|
| Chi-Square | 1 | 6.3158 | 0.0120 |
| Likelihood Ratio Chi-Square | 1 | 8.2629 | 0.0040 |
| Continuity Adj. Chi-Square | 1 | 4.0421 | 0.0444 |
| Mantel-Haenszel Chi-Square | 1 | 6.0526 | 0.0139 |
| Phi Coefficient | | 0.5130 | |
| Contingency Coefficient | | 0.4564 | |
| Cramer's V | | 0.5130 | |
| 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) | 12 |
| Left-sided Pr <= F | 1.0000 |
| Right-sided Pr >= F | 0.0186 |
| | |
| Table Probability (P) | 0.0186 |
| Two-sided Pr <= P | 0.0373 |

Sample Size = 24

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 | 1 | Total |
|---|---|---|---|
| AE | 12<br>50.00<br>100.00<br>54.55 | 0<br>0.00<br>0.00<br>0.00 | 12<br>50.00 |
| AL_AE | 10<br>41.67<br>83.33<br>45.45 | 2<br>8.33<br>16.67<br>100.00 | 12<br>50.00 |
| Total | 22<br>91.67 | 2<br>8.33 | 24<br>100.00 |

The FREQ Procedure

Statistics for Table of Drug by Keratin_pearl_1_yes_0_no_

| Statistic | DF | Value | Prob |
|---|---|---|---|
| Chi-Square | 1 | 2.1818 | 0.1396 |
| Likelihood Ratio Chi-Square | 1 | 2.9547 | 0.0856 |
| Continuity Adj. Chi-Square | 1 | 0.5455 | 0.4602 |
| Mantel-Haenszel Chi-Square | 1 | 2.0909 | 0.1482 |
| Phi Coefficient | | 0.3015 | |
| Contingency Coefficient | | 0.2887 | |
| Cramer's V | | 0.3015 | |
| 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) | 12 |
| Left-sided Pr <= F | 1.0000 |
| Right-sided Pr >= F | 0.2391 |
| | |
| Table Probability (P) | 0.2391 |
| Two-sided Pr <= P | 0.4783 |

Sample Size = 24

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 |
| AE | 3<br>7.69<br>25.00<br>20.00 | 9<br>23.08<br>75.00<br>37.50 | 12<br>30.77 |
| AL_AE | 5<br>12.82<br>41.67<br>33.33 | 7<br>17.95<br>58.33<br>29.17 | 12<br>30.77 |
| CONTR | 7<br>17.95<br>46.67<br>46.67 | 8<br>20.51<br>53.33<br>33.33 | 15<br>38.46 |
| Total | 15<br>38.46 | 24<br>61.54 | 39<br>100.00 |

Statistics for Table of Drug by Apoptosis_yes_1_more_than_1_ap

| Statistic | DF | Value | Prob |
|---|---|---|---|
| Chi-Square | 2 | 1.3975 | 0.4972 |
| Likelihood Ratio Chi-Square | 2 | 1.4453 | 0.4855 |
| Mantel-Haenszel Chi-Square | 1 | 1.2457 | 0.2644 |
| Phi Coefficient | | 0.1893 | |
| Contingency Coefficient | | 0.1860 | |
| Cramer's V | | 0.1893 | |
| WARNING: 33% of the cells have expected counts less than 5. Chi-Square may not be a valid test. | | | |

| Fisher's Exact Test | |
|---|---|
| Table Probability (P) | 0.0446 |
| Pr <= P | 0.5970 |

Sample Size = 39

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 |
| AE | 10<br>25.64<br>83.33<br>32.26 | 2<br>5.13<br>16.67<br>25.00 | 12<br>30.77 |
| AL_AE | 6<br>15.38<br>50.00<br>19.35 | 6<br>15.38<br>50.00<br>75.00 | 12<br>30.77 |
| CONTR | 15<br>38.46<br>100.00<br>48.39 | 0<br>0.00<br>0.00<br>0.00 | 15<br>38.46 |
| Total | 31<br>79.49 | 8<br>20.51 | 39<br>100.00 |

The FREQ Procedure

Statistics for Table of Drug by Keratinisation_0_2_0_NONE_2_Ext

| Statistic | DF | Value | Prob |
|---|---|---|---|
| Chi-Square | 2 | 10.3790 | 0.0056 |
| Likelihood Ratio Chi-Square | 2 | 12.1305 | 0.0023 |
| Mantel-Haenszel Chi-Square | 1 | 1.5270 | 0.2166 |
| Phi Coefficient | | 0.5159 | |
| Contingency Coefficient | | 0.4585 | |
| Cramer's V | | 0.5159 | |
| WARNING: 50% of the cells have expected counts less than 5. Chi-Square may not be a valid test. | | | |

| Fisher's Exact Test | |
|---|---|
| Table Probability (P) | 0.0010 |
| Pr <= P | 0.0028 |

Sample Size = 39

Frequency
Percent
Row Pct
Col Pct

Table of Drug by Disorganised_0_2

| Drug | Disorganised_0_2(Disorganised 0-2) 0 | 1 | 2 | Total |
|---|---|---|---|---|
| AE | 7<br>17.95<br>58.33<br>58.33 | 4<br>10.26<br>33.33<br>20.00 | 1<br>2.56<br>8.33<br>14.29 | 12<br>30.77 |
| AL_AE | 3<br>7.69<br>25.00<br>25.00 | 3<br>7.69<br>25.00<br>15.00 | 6<br>15.38<br>50.00<br>85.71 | 12<br>30.77 |
| CONTR | 2<br>5.13<br>13.33<br>16.67 | 13<br>33.33<br>86.67<br>65.00 | 0<br>0.00<br>0.00<br>0.00 | 15<br>38.46 |
| Total | 12<br>30.77 | 20<br>51.28 | 7<br>17.95 | 39<br>100.00 |

Statistics for Table of Drug by Disorganised_0_2

| Statistic | DF | Value | Prob |
|---|---|---|---|
| Chi-Square | 4 | 20.7861 | 0.0003 |
| Likelihood Ratio Chi-Square | 4 | 21.0098 | 0.0003 |
| Mantel-Haenszel Chi-Square | 1 | 1.4865 | 0.2228 |
| Phi Coefficient | | 0.7301 | |
| Contingency Coefficient | | 0.5896 | |
| Cramer's V | | 0.5162 | |
| 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) | <.0001 |
| Pr <= P | 0.0004 |

Sample Size = 39

The FREQ Procedure

| Frequency<br>Percent<br>Row Pct<br>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 |
| AE | 12<br>30.77<br>100.00<br>36.36 | 0<br>0.00<br>0.00<br>0.00 | 12<br>30.77 |
| AL_AE | 6<br>15.38<br>50.00<br>18.18 | 6<br>15.38<br>50.00<br>100.00 | 12<br>30.77 |
| CONTR | 15<br>38.46<br>100.00<br>45.45 | 0<br>0.00<br>0.00<br>0.00 | 15<br>38.46 |
| Total | 33<br>84.62 | 6<br>15.38 | 39<br>100.00 |

Statistics for Table of Drug by Cell_atypia_yes_1_no_0

| Statistic | DF | Value | Prob |
|---|---|---|---|
| Chi-Square | 2 | 15.9545 | 0.0003 |
| Likelihood Ratio Chi-Square | 2 | 16.8517 | 0.0002 |
| Mantel-Haenszel Chi-Square | 1 | 0.0596 | 0.8072 |
| Phi Coefficient | | 0.6396 | |
| Contingency Coefficient | | 0.5388 | |
| Cramer's V | | 0.6396 | |
| WARNING: 50% of the cells have expected counts less than 5. Chi-Square may not be a valid test. | | | |

| Fisher's Exact Test | |
|---|---|
| Table Probability (P) | 0.0003 |
| Pr <= P | 0.0006 |

Sample Size = 39

| Frequency<br>Percent<br>Row Pct<br>Col Pct | Table of Drug by Metaplasia_0_2 | | |
|---|---|---|---|
| | Metaplasia_0_2(Metaplasia 0-2) | | |
| Drug | 0 | 1 | Total |
| AE | 12<br>30.77<br>100.00<br>35.29 | 0<br>0.00<br>0.00<br>0.00 | 12<br>30.77 |
| AL_AE | 7<br>17.95<br>58.33<br>20.59 | 5<br>12.82<br>41.67<br>100.00 | 12<br>30.77 |
| CONTR | 15<br>38.46<br>100.00<br>44.12 | 0<br>0.00<br>0.00<br>0.00 | 15<br>38.46 |
| Total | 34<br>87.18 | 5<br>12.82 | 39<br>100.00 |

The FREQ Procedure

Statistics for Table of Drug by Metaplasia_0_2

| Statistic | DF | Value | Prob |
|---|---|---|---|
| Chi-Square | 2 | 12.9044 | 0.0016 |
| Likelihood Ratio Chi-Square | 2 | 13.5703 | 0.0011 |
| Mantel-Haenszel Chi-Square | 1 | 0.0482 | 0.8263 |
| Phi Coefficient | | 0.5752 | |
| Contingency Coefficient | | 0.4986 | |
| Cramer's V | | 0.5752 | |
| WARNING: 50% of the cells have expected counts less than 5. Chi-Square may not be a valid test. | | | |

| Fisher's Exact Test | |
|---|---|
| Table Probability (P) | 0.0014 |
| Pr <= P | 0.0028 |

Sample Size = 39

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 |
| AE | 12<br>30.77<br>100.00<br>32.43 | 0<br>0.00<br>0.00<br>0.00 | 12<br>30.77 |
| AL_AE | 10<br>25.64<br>83.33<br>27.03 | 2<br>5.13<br>16.67<br>100.00 | 12<br>30.77 |
| CONTR | 15<br>38.46<br>100.00<br>40.54 | 0<br>0.00<br>0.00<br>0.00 | 15<br>38.46 |
| Total | 37<br>94.87 | 2<br>5.13 | 39<br>100.00 |

Statistics for Table of Drug by Keratin_pearl_1_yes_0_no_

| Statistic | DF | Value | Prob |
|---|---|---|---|
| Chi-Square | 2 | 4.7432 | 0.0933 |
| Likelihood Ratio Chi-Square | 2 | 4.9638 | 0.0836 |
| Mantel-Haenszel Chi-Square | 1 | 0.0177 | 0.8941 |
| Phi Coefficient | | 0.3487 | |
| Contingency Coefficient | | 0.3293 | |
| Cramer's V | | 0.3487 | |
| WARNING: 50% of the cells have expected counts less than 5. Chi-Square may not be a valid test. | | | |

| Fisher's Exact Test | |
|---|---|
| Table Probability (P) | 0.0891 |
| Pr <= P | 0.1781 |

Sample Size = 39

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 | fibro width um | 179.400 |
| | | epithelium_width_um | epithelium width um | 114.800 |
| | | KI_67_positive_cells_40x | KI-67 positive cells 40x | 24.000 |
| AL | 9 | fibro_width_um | fibro width um | 89.730 |
| | | epithelium_width_um | epithelium width um | 143.000 |
| | | KI_67_positive_cells_40x | KI-67 positive cells 40x | 22.000 |
| AL_AE | 12 | fibro_width_um | fibro width um | 113.900 |
| | | epithelium_width_um | epithelium width um | 153.900 |
| | | KI_67_positive_cells_40x | KI-67 positive cells 40x | 27.000 |
| AL_GLU | 12 | fibro_width_um | fibro width um | 89.420 |
| | | epithelium_width_um | epithelium width um | 149.200 |
| | | KI_67_positive_cells_40x | KI-67 positive cells 40x | 31.000 |
| CONTR | 15 | fibro_width_um | fibro width um | 157.200 |
| | | epithelium_width_um | epithelium width um | 314.200 |
| | | KI_67_positive_cells_40x | KI-67 positive cells 40x | 10.000 |
| D | 9 | fibro_width_um | fibro width um | 142.700 |
| | | epithelium_width_um | epithelium width um | 121.300 |
| | | KI_67_positive_cells_40x | KI-67 positive cells 40x | 20.000 |
| D_AE | 9 | fibro_width_um | fibro width um | 114.600 |
| | | epithelium_width_um | epithelium width um | 100.800 |
| | | KI_67_positive_cells_40x | KI-67 positive cells 40x | 22.000 |
| D_GLU | 9 | fibro_width_um | fibro width um | 171.630 |
| | | epithelium_width_um | epithelium width um | 142.090 |
| | | KI_67_positive_cells_40x | KI-67 positive cells 40x | 5.000 |
| GLU | 9 | fibro_width_um | fibro width um | 161.679 |
| | | epithelium_width_um | epithelium width um | 182.407 |
| | | KI_67_positive_cells_40x | KI-67 positive cells 40x | 2.000 |
| Z | 9 | fibro_width_um | fibro width um | 94.020 |
| | | epithelium_width_um | epithelium width um | 70.100 |
| | | KI_67_positive_cells_40x | KI-67 positive cells 40x | 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 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_AE |
| 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 | 6.8686 |

| Fit Statistics | |
|---|---|
| -2 Res Log Likelihood | 103.3 |
| AIC (Smaller is Better) | 105.3 |
| AICC (Smaller is Better) | 105.5 |
| BIC (Smaller is Better) | 106.3 |

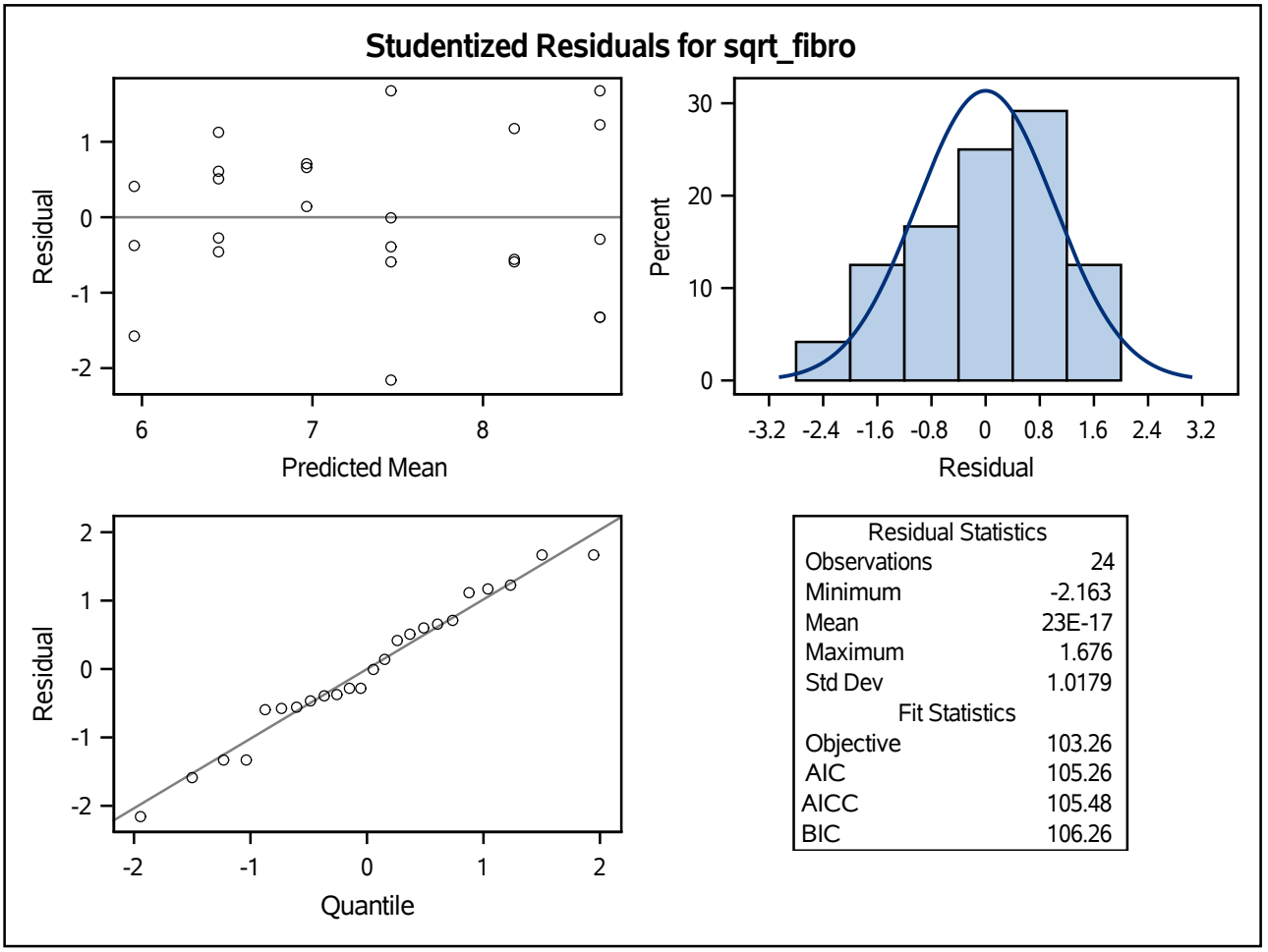
| Type 3 Tests of Fixed Effects | | | | |
|---|---|---|---|---|
| Effect | Num DF | Den DF | F Value | Pr > F |
| Drug | 1 | 20 | 0.20 | 0.6567 |
| Site | 2 | 20 | 1.46 | 0.2564 |

The Mixed Procedure

| Least Squares Means | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Effect | Drug | Site | Estimate | Standard Error | DF | t Value | Pr > \|t\| | Alpha | Lower | Upper |
| Drug | CONTR | | 7.5332 | 0.6767 | 20 | 11.13 | <.0001 | 0.05 | 6.1217 | 8.9448 |
| Drug | D_AE | | 7.0347 | 0.8736 | 20 | 8.05 | <.0001 | 0.05 | 5.2124 | 8.8569 |
| Site | | A | 7.2124 | 0.9368 | 20 | 7.70 | <.0001 | 0.05 | 5.2582 | 9.1666 |
| Site | | B | 6.2025 | 0.9368 | 20 | 6.62 | <.0001 | 0.05 | 4.2483 | 8.1567 |
| Site | | C | 8.4368 | 0.9368 | 20 | 9.01 | <.0001 | 0.05 | 6.4826 | 10.3910 |

| 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_AE | | 0.4986 | 1.1050 | 20 | 0.45 | 0.6567 | Tukey-Kramer | 0.6567 | 0.05 | -1.8065 | 2.8036 |
| Site | | A | | B | 1.0099 | 1.3104 | 20 | 0.77 | 0.4499 | Tukey-Kramer | 0.7248 | 0.05 | -1.7235 | 3.7434 |
| Site | | A | | C | -1.2244 | 1.3104 | 20 | -0.93 | 0.3613 | Tukey-Kramer | 0.6255 | 0.05 | -3.9578 | 1.5090 |
| Site | | B | | C | -2.2343 | 1.3104 | 20 | -1.71 | 0.1037 | Tukey-Kramer | 0.2279 | 0.05 | -4.9678 | 0.4991 |

| Differences of Least Squares Means | | | | | | |
|---|---|---|---|---|---|---|
| Effect | Drug | Site | _Drug | _Site | Adj Lower | Adj Upper |
| Drug | CONTR | | D_AE | | -1.8064 | 2.8036 |
| Site | | A | | B | -2.3054 | 4.3252 |
| Site | | A | | C | -4.5397 | 2.0909 |
| Site | | B | | C | -5.5496 | 1.0810 |



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 | AE D_AE |
| Site | 3 | A B C |

| Dimensions | |
|---|---|
| Covariance Parameters | 1 |
| Columns in X | 6 |
| Columns in Z | 0 |
| Subjects | 1 |
| Max Obs per Subject | 21 |

| Number of Observations | |
|---|---|
| Number of Observations Read | 21 |
| Number of Observations Used | 21 |
| Number of Observations Not Used | 0 |

| Covariance Parameter Estimates | |
|---|---|
| Cov Parm | Estimate |
| Residual | 4.7230 |

| Fit Statistics | |
|---|---|
| -2 Res Log Likelihood | 82.1 |
| AIC (Smaller is Better) | 84.1 |
| AICC (Smaller is Better) | 84.3 |
| BIC (Smaller is Better) | 84.9 |

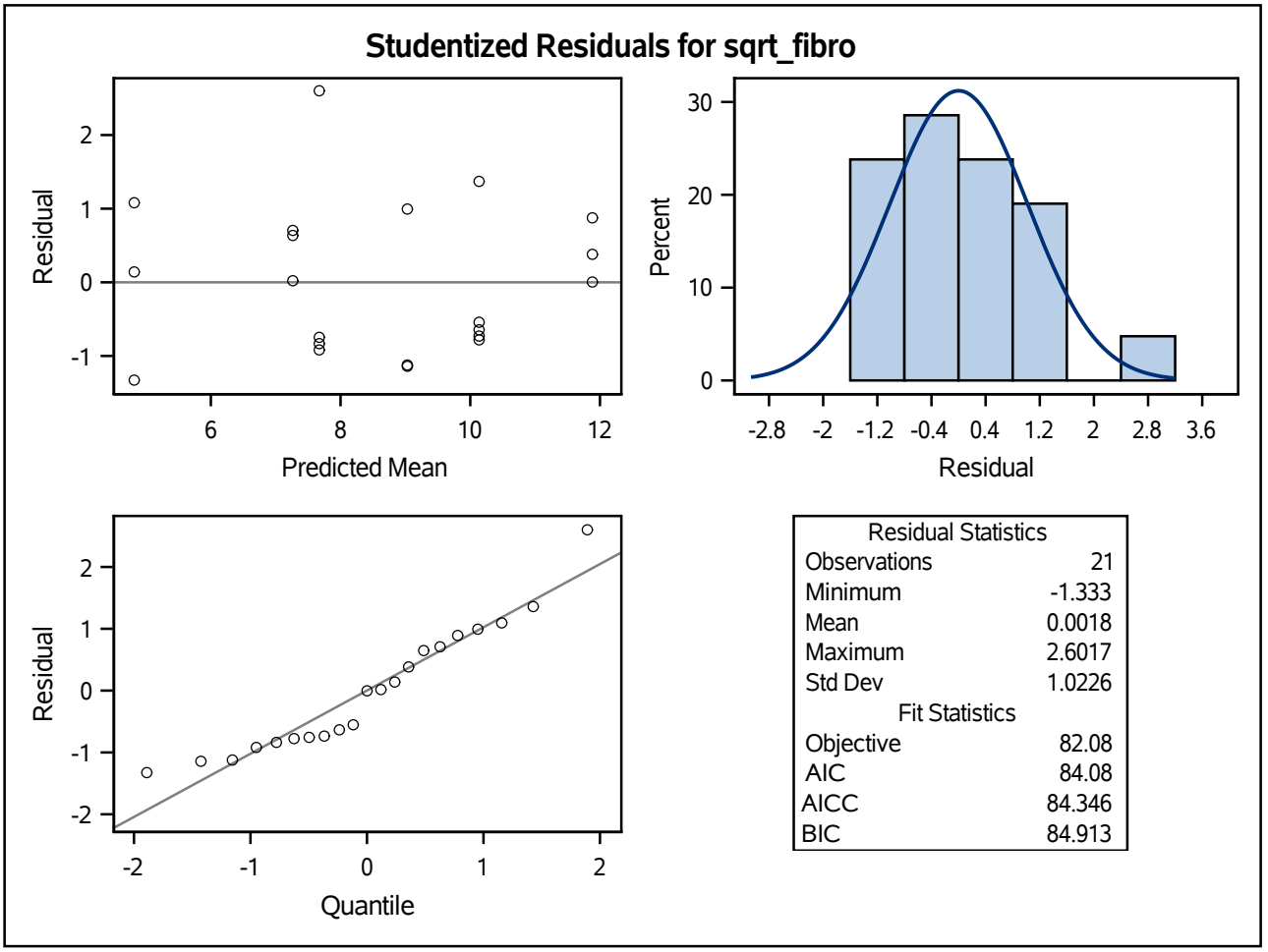
| Type 3 Tests of Fixed Effects | | | | |
|---|---|---|---|---|
| Effect | Num DF | Den DF | F Value | Pr > F |
| Drug | 1 | 17 | 8.83 | 0.0086 |
| Site | 2 | 17 | 6.18 | 0.0096 |

The Mixed Procedure

| Least Squares Means | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Effect | Drug | Site | Estimate | Standard Error | DF | t Value | Pr > \|t\| | Alpha | Lower | Upper |
| Drug | AE | | 9.8967 | 0.6350 | 17 | 15.58 | <.0001 | 0.05 | 8.5569 | 11.2365 |
| Drug | D_AE | | 7.0347 | 0.7244 | 17 | 9.71 | <.0001 | 0.05 | 5.5063 | 8.5630 |
| Site | | A | 8.6996 | 0.7777 | 17 | 11.19 | <.0001 | 0.05 | 7.0587 | 10.3405 |
| Site | | B | 6.2460 | 0.8243 | 17 | 7.58 | <.0001 | 0.05 | 4.5069 | 7.9851 |
| Site | | C | 10.4514 | 0.8872 | 17 | 11.78 | <.0001 | 0.05 | 8.5795 | 12.3233 |

| 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 | AE | | D_AE | | 2.8621 | 0.9633 | 17 | 2.97 | 0.0086 | Tukey-Kramer | 0.0086 | 0.05 | 0.8296 | 4.8945 |
| Site | | A | | B | 2.4536 | 1.1259 | 17 | 2.18 | 0.0437 | Tukey-Kramer | 0.1037 | 0.05 | 0.07809 | 4.8292 |
| Site | | A | | C | -1.7518 | 1.1799 | 17 | -1.48 | 0.1559 | Tukey-Kramer | 0.3226 | 0.05 | -4.2410 | 0.7375 |
| Site | | B | | C | -4.2054 | 1.2110 | 17 | -3.47 | 0.0029 | Tukey-Kramer | 0.0078 | 0.05 | -6.7605 | -1.6503 |

| Differences of Least Squares Means | | | | | | |
|---|---|---|---|---|---|---|
| Effect | Drug | Site | _Drug | _Site | Adj Lower | Adj Upper |
| Drug | AE | | D_AE | | 0.8297 | 4.8945 |
| Site | | A | | B | -0.4348 | 5.3421 |
| Site | | A | | C | -4.7785 | 1.2750 |
| Site | | B | | C | -7.3122 | -1.0987 |



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 | 3 | AE CONTR D_AE |
| Site | 3 | A B C |

| Dimensions | |
|---|---|
| Covariance Parameters | 1 |
| Columns in X | 7 |
| Columns in Z | 0 |
| Subjects | 1 |
| Max Obs per Subject | 36 |

| Number of Observations | |
|---|---|
| Number of Observations Read | 36 |
| Number of Observations Used | 36 |
| Number of Observations Not Used | 0 |

| Covariance Parameter Estimates | |
|---|---|
| Cov Parm | Estimate |
| Residual | 6.3158 |

| Fit Statistics | |
|---|---|
| -2 Res Log Likelihood | 156.4 |
| AIC (Smaller is Better) | 158.4 |
| AICC (Smaller is Better) | 158.5 |
| BIC (Smaller is Better) | 159.8 |

| Type 3 Tests of Fixed Effects | | | | |
|---|---|---|---|---|
| Effect | Num DF | Den DF | F Value | Pr > F |
| Drug | 2 | 31 | 4.19 | 0.0244 |
| Site | 2 | 31 | 4.22 | 0.0239 |

The Mixed Procedure

Least Squares Means

| Effect | Drug | Site | Estimate | Standard Error | DF | t Value | Pr > \|t\| | Alpha | Lower | Upper |
|---|---|---|---|---|---|---|---|---|---|---|
| Drug | AE | | 9.8974 | 0.7306 | 31 | 13.55 | <.0001 | 0.05 | 8.4073 | 11.3874 |
| Drug | CONTR | | 7.5332 | 0.6489 | 31 | 11.61 | <.0001 | 0.05 | 6.2098 | 8.8566 |
| Drug | D_AE | | 7.0347 | 0.8377 | 31 | 8.40 | <.0001 | 0.05 | 5.3261 | 8.7432 |
| Site | | A | 7.9972 | 0.7041 | 31 | 11.36 | <.0001 | 0.05 | 6.5612 | 9.4332 |
| Site | | B | 6.7112 | 0.7308 | 31 | 9.18 | <.0001 | 0.05 | 5.2207 | 8.2018 |
| Site | | C | 9.7568 | 0.7648 | 31 | 12.76 | <.0001 | 0.05 | 8.1970 | 11.3165 |

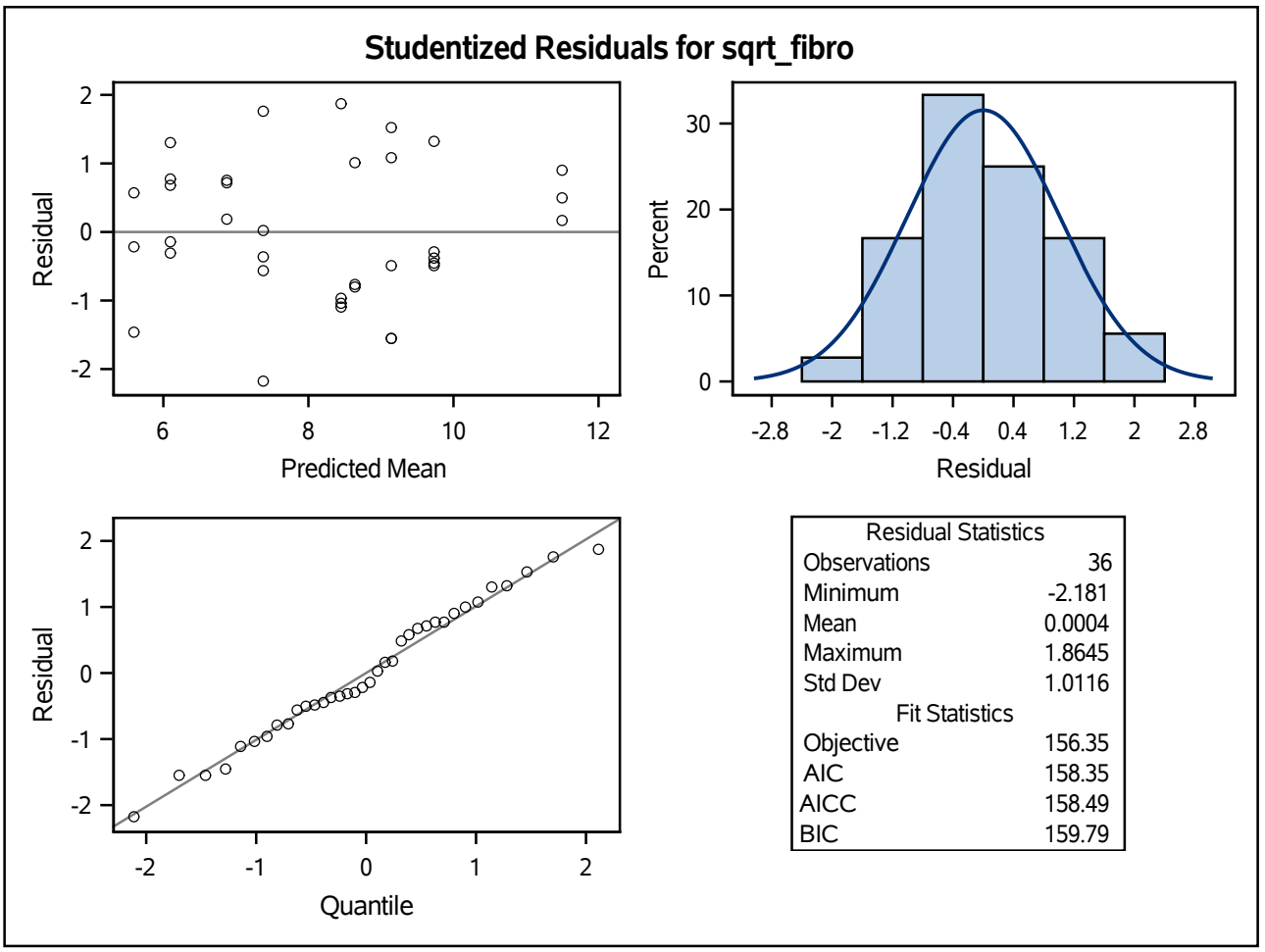
Differences of Least Squares Means

| Effect | Drug | Site | _Drug | _Site | Estimate | Standard Error | DF | t Value | Pr > \|t\| | Adjustment | Adj P | Alpha | Lower | Upper |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Drug | AE | | CONTR | | 2.3641 | 0.9771 | 31 | 2.42 | 0.0216 | Tukey-Kramer | 0.0548 | 0.05 | 0.3713 | 4.3570 |
| Drug | AE | | D_AE | | 2.8627 | 1.1115 | 31 | 2.58 | 0.0150 | Tukey-Kramer | 0.0388 | 0.05 | 0.5957 | 5.1297 |
| Drug | CONTR | | D_AE | | 0.4986 | 1.0596 | 31 | 0.47 | 0.6413 | Tukey-Kramer | 0.8856 | 0.05 | -1.6626 | 2.6597 |
| Site | | A | | B | 1.2860 | 1.0071 | 31 | 1.28 | 0.2111 | Tukey-Kramer | 0.4185 | 0.05 | -0.7680 | 3.3400 |
| Site | | A | | C | -1.7595 | 1.0344 | 31 | -1.70 | 0.0989 | Tukey-Kramer | 0.2209 | 0.05 | -3.8692 | 0.3501 |
| Site | | B | | C | -3.0455 | 1.0504 | 31 | -2.90 | 0.0068 | Tukey-Kramer | 0.0182 | 0.05 | -5.1879 | -0.9031 |

Differences of Least Squares Means

| Effect | Drug | Site | _Drug | _Site | Adj Lower | Adj Upper |
|---|---|---|---|---|---|---|
| Drug | AE | | CONTR | | -0.04075 | 4.7690 |
| Drug | AE | | D_AE | | 0.1271 | 5.5984 |
| Drug | CONTR | | D_AE | | -2.1093 | 3.1065 |
| Site | | A | | B | -1.1926 | 3.7646 |
| Site | | A | | C | -4.3053 | 0.7863 |
| Site | | B | | C | -5.6308 | -0.4602 |

The Mixed Procedure



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 | 3 | AE CONTR D_AE |
| Site | 3 | A B C |

| Dimensions | |
|---|---|
| Covariance Parameters | 1 |
| Columns in X | 7 |
| Columns in Z | 0 |
| Subjects | 1 |
| Max Obs per Subject | 36 |

| Number of Observations | |
|---|---|
| Number of Observations Read | 36 |
| Number of Observations Used | 36 |
| Number of Observations Not Used | 0 |

| Covariance Parameter Estimates | |
|---|---|
| Cov Parm | Estimate |
| Residual | 4.6076 |

| Fit Statistics | |
|---|---|
| -2 Res Log Likelihood | 146.6 |
| AIC (Smaller is Better) | 148.6 |
| AICC (Smaller is Better) | 148.7 |
| BIC (Smaller is Better) | 150.0 |

| Type 3 Tests of Fixed Effects | | | | |
|---|---|---|---|---|
| Effect | Num DF | Den DF | F Value | Pr > F |
| Drug | 2 | 31 | 0.68 | 0.5128 |
| Site | 2 | 31 | 4.25 | 0.0233 |

The Mixed Procedure

Least Squares Means

| Effect | Drug | Site | Estimate | Standard Error | DF | t Value | Pr > \|t\| | Alpha | Lower | Upper |
|---|---|---|---|---|---|---|---|---|---|---|
| Drug | AE | | 8.3858 | 0.6240 | 31 | 13.44 | <.0001 | 0.05 | 7.1131 | 9.6585 |
| Drug | CONTR | | 7.6391 | 0.5542 | 31 | 13.78 | <.0001 | 0.05 | 6.5088 | 8.7695 |
| Drug | D_AE | | 8.5897 | 0.7155 | 31 | 12.01 | <.0001 | 0.05 | 7.1304 | 10.0490 |
| Site | | A | 9.5040 | 0.6014 | 31 | 15.80 | <.0001 | 0.05 | 8.2775 | 10.7305 |
| Site | | B | 8.1775 | 0.6242 | 31 | 13.10 | <.0001 | 0.05 | 6.9044 | 9.4506 |
| Site | | C | 6.9331 | 0.6532 | 31 | 10.61 | <.0001 | 0.05 | 5.6009 | 8.2654 |

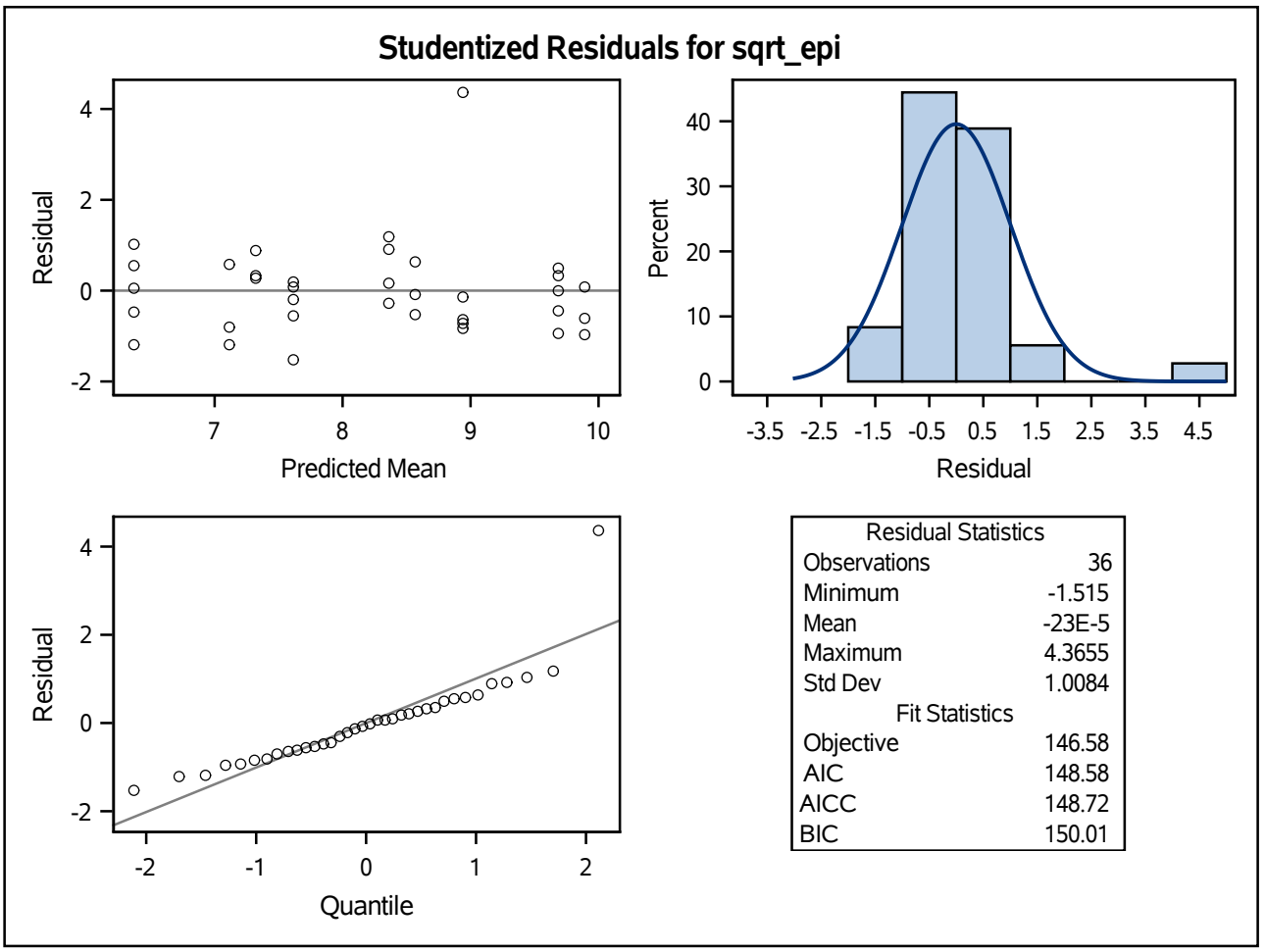
Differences of Least Squares Means

| Effect | Drug | Site | _Drug | _Site | Estimate | Standard Error | DF | t Value | Pr > \|t\| | Adjustment | Adj P | Alpha | Lower | Upper |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Drug | AE | | CONTR | | 0.7467 | 0.8346 | 31 | 0.89 | 0.3779 | Tukey-Kramer | 0.6477 | 0.05 | -0.9555 | 2.4489 |
| Drug | AE | | D_AE | | -0.2039 | 0.9494 | 31 | -0.21 | 0.8314 | Tukey-Kramer | 0.9749 | 0.05 | -2.1401 | 1.7324 |
| Drug | CONTR | | D_AE | | -0.9505 | 0.9051 | 31 | -1.05 | 0.3017 | Tukey-Kramer | 0.5515 | 0.05 | -2.7964 | 0.8953 |
| Site | | A | | B | 1.3266 | 0.8602 | 31 | 1.54 | 0.1332 | Tukey-Kramer | 0.2857 | 0.05 | -0.4278 | 3.0809 |
| Site | | A | | C | 2.5709 | 0.8835 | 31 | 2.91 | 0.0066 | Tukey-Kramer | 0.0177 | 0.05 | 0.7690 | 4.3728 |
| Site | | B | | C | 1.2443 | 0.8972 | 31 | 1.39 | 0.1754 | Tukey-Kramer | 0.3599 | 0.05 | -0.5855 | 3.0742 |

Differences of Least Squares Means

| Effect | Drug | Site | _Drug | _Site | Adj Lower | Adj Upper |
|---|---|---|---|---|---|---|
| Drug | AE | | CONTR | | -1.3074 | 2.8008 |
| Drug | AE | | D_AE | | -2.5404 | 2.1327 |
| Drug | CONTR | | D_AE | | -3.1780 | 1.2769 |
| Site | | A | | B | -0.7905 | 3.4436 |
| Site | | A | | C | 0.3964 | 4.7453 |
| Site | | B | | C | -0.9638 | 3.4525 |

The Mixed Procedure




| Residual Statistics | |
|---|---|
| Observations | 36 |
| Minimum | -1.515 |
| Mean | -23E-5 |
| Maximum | 4.3655 |
| Std Dev | 1.0084 |
| **Fit Statistics** | |
| Objective | 146.58 |
| AIC | 148.58 |
| AICC | 148.72 |
| BIC | 150.01 |

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 | 3 | AE CONTR D_AE |
| Site | 3 | A B C |

| Dimensions | |
|---|---|
| Covariance Parameters | 1 |
| Columns in X | 7 |
| Columns in Z | 0 |
| Subjects | 1 |
| Max Obs per Subject | 36 |

| Number of Observations | |
|---|---|
| Number of Observations Read | 36 |
| Number of Observations Used | 36 |
| Number of Observations Not Used | 0 |

| Covariance Parameter Estimates | |
|---|---|
| Cov Parm | Estimate |
| Residual | 2.1236 |

| Fit Statistics | |
|---|---|
| -2 Res Log Likelihood | 122.6 |
| AIC (Smaller is Better) | 124.6 |
| AICC (Smaller is Better) | 124.7 |
| BIC (Smaller is Better) | 126.0 |

| Type 3 Tests of Fixed Effects | | | | |
|---|---|---|---|---|
| Effect | Num DF | Den DF | F Value | Pr > F |
| Drug | 2 | 31 | 1.40 | 0.2621 |
| Site | 2 | 31 | 0.15 | 0.8582 |

The Mixed Procedure

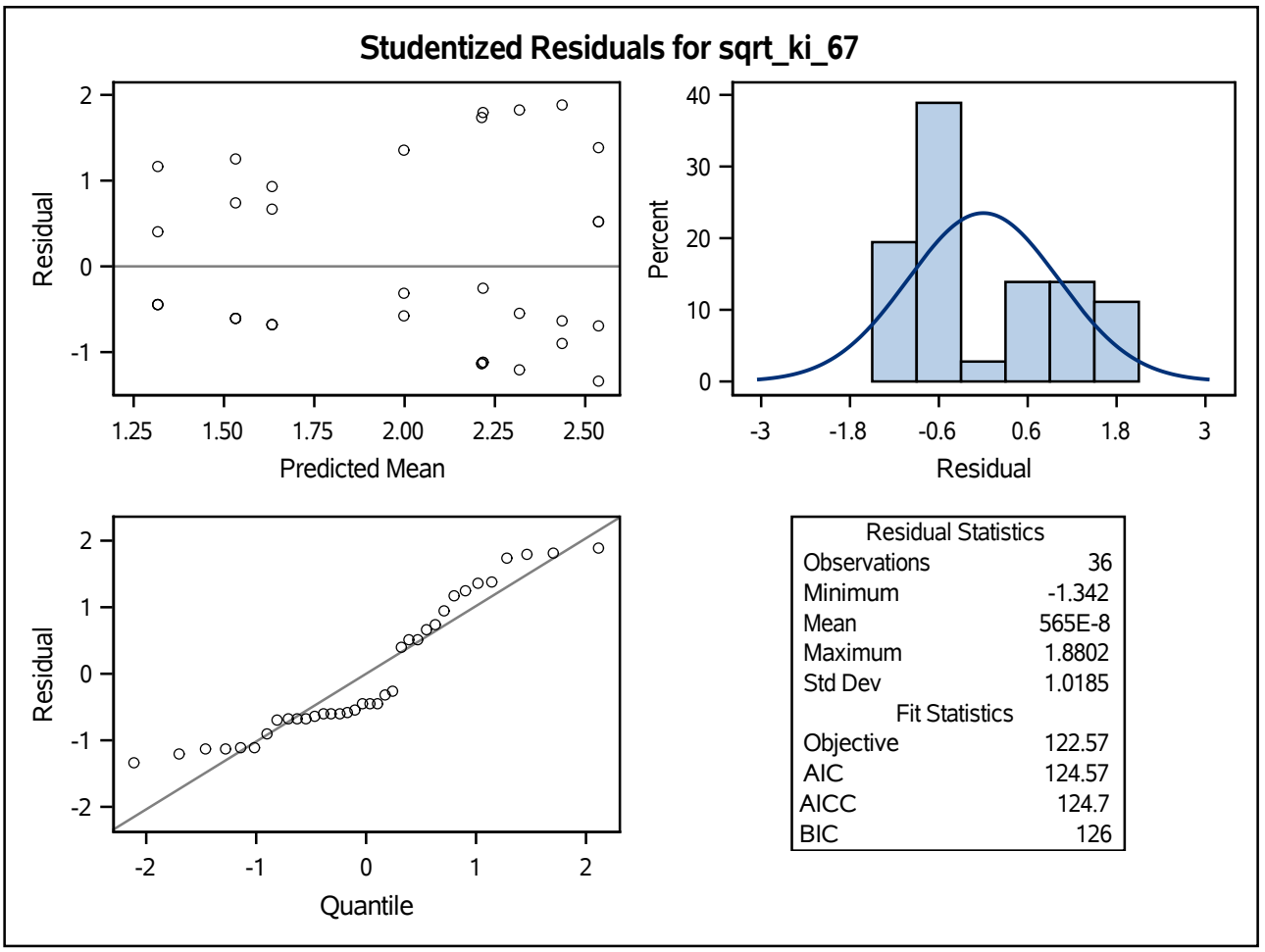
Least Squares Means

| Effect | Drug | Site | Estimate | Standard Error | DF | t Value | Pr > \|t\| | Alpha | Lower | Upper |
|---|---|---|---|---|---|---|---|---|---|---|
| Drug | AE | | 2.3967 | 0.4236 | 31 | 5.66 | <.0001 | 0.05 | 1.5327 | 3.2607 |
| Drug | CONTR | | 1.4937 | 0.3763 | 31 | 3.97 | 0.0004 | 0.05 | 0.7263 | 2.2611 |
| Drug | D_AE | | 2.1764 | 0.4858 | 31 | 4.48 | <.0001 | 0.05 | 1.1857 | 3.1671 |
| Site | | A | 2.1624 | 0.4083 | 31 | 5.30 | <.0001 | 0.05 | 1.3297 | 2.9951 |
| Site | | B | 1.8438 | 0.4238 | 31 | 4.35 | 0.0001 | 0.05 | 0.9795 | 2.7081 |
| Site | | C | 2.0605 | 0.4435 | 31 | 4.65 | <.0001 | 0.05 | 1.1561 | 2.9650 |

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 | AE | | CONTR | | 0.9030 | 0.5666 | 31 | 1.59 | 0.1211 | Tukey-Kramer | 0.2634 | 0.05 | -0.2526 | 2.0586 |
| Drug | AE | | D_AE | | 0.2203 | 0.6445 | 31 | 0.34 | 0.7348 | Tukey-Kramer | 0.9377 | 0.05 | -1.0942 | 1.5349 |
| Drug | CONTR | | D_AE | | -0.6827 | 0.6144 | 31 | -1.11 | 0.2751 | Tukey-Kramer | 0.5146 | 0.05 | -1.9359 | 0.5705 |
| Site | | A | | B | 0.3186 | 0.5840 | 31 | 0.55 | 0.5893 | Tukey-Kramer | 0.8495 | 0.05 | -0.8725 | 1.5096 |
| Site | | A | | C | 0.1019 | 0.5998 | 31 | 0.17 | 0.8663 | Tukey-Kramer | 0.9842 | 0.05 | -1.1215 | 1.3252 |
| Site | | B | | C | -0.2167 | 0.6091 | 31 | -0.36 | 0.7244 | Tukey-Kramer | 0.9328 | 0.05 | -1.4590 | 1.0256 |

Differences of Least Squares Means

| Effect | Drug | Site | _Drug | _Site | Adj Lower | Adj Upper |
|---|---|---|---|---|---|---|
| Drug | AE | | CONTR | | -0.4915 | 2.2975 |
| Drug | AE | | D_AE | | -1.3660 | 1.8066 |
| Drug | CONTR | | D_AE | | -2.1949 | 0.8295 |
| Site | | A | | B | -1.1187 | 1.7558 |
| Site | | A | | C | -1.3744 | 1.5781 |
| Site | | B | | C | -1.7158 | 1.2824 |

The Mixed Procedure