**Fig 1.**

Nissl per image

|  |  |  |
| --- | --- | --- |
| Shapiro-Wilk test |  |  |
| W | 0.8820 | 0.9471 |
| P value | 0.0931 | 0.5952 |
| Passed normality test (alpha=0.05)? | Yes | Yes |
| P value summary | ns | ns |

|  |  |
| --- | --- |
| Unpaired t test |  |
| P value | <0.0001 |
| P value summary | \*\*\*\* |
| Significantly different (P < 0.05)? | Yes |
| One- or two-tailed P value? | Two-tailed |
| t, df | t=8.026, df=22 |

FJB positive cells per image

|  |  |  |
| --- | --- | --- |
| Shapiro-Wilk test |  |  |
| W | 0.8754 | 0.9067 |
| P value | 0.0765 | 0.1937 |
| Passed normality test (alpha=0.05)? | Yes | Yes |
| P value summary | ns | ns |

|  |  |
| --- | --- |
| Unpaired t test |  |
| P value | <0.0001 |
| P value summary | \*\*\*\* |
| Significantly different (P < 0.05)? | Yes |
| One- or two-tailed P value? | Two-tailed |
| t, df | t=22.79, df=22 |

Gpx4- Relative gray value of western blot

|  |  |  |
| --- | --- | --- |
| Shapiro-Wilk test |  |  |
| W | 0.8858 | 0.9186 |
| P value | 0.2968 | 0.4951 |
| Passed normality test (alpha=0.05)? | Yes | Yes |
| P value summary | ns | ns |

|  |  |
| --- | --- |
| Unpaired t test |  |
| P value | <0.0001 |
| P value summary | \*\*\*\* |
| Significantly different (P < 0.05)? | Yes |
| One- or two-tailed P value? | Two-tailed |
| t, df | t=8.554, df=10 |

4HNE- Relative gray value of western blot

|  |  |  |
| --- | --- | --- |
| Shapiro-Wilk test |  |  |
| W | 0.9272 | 0.8965 |
| P value | 0.5583 | 0.3539 |
| Passed normality test (alpha=0.05)? | Yes | Yes |
| P value summary | ns | ns |

|  |  |
| --- | --- |
| Unpaired t test |  |
| P value | <0.0001 |
| P value summary | \*\*\*\* |
| Significantly different (P < 0.05)? | Yes |
| One- or two-tailed P value? | Two-tailed |
| t, df | t=8.136, df=10 |

Perl’s positive cells per image

|  |  |  |
| --- | --- | --- |
| Shapiro-Wilk test |  |  |
| W | 0.7869 | 0.9738 |
| P value | 0.0067 | 0.9461 |
| Passed normality test (alpha=0.05)? | No | Yes |
| P value summary | \*\* | ns |

|  |  |
| --- | --- |
| Mann Whitney test |  |
| P value | <0.0001 |
| Exact or approximate P value? | Exact |
| P value summary | \*\*\*\* |
| Significantly different (P < 0.05)? | Yes |
| One- or two-tailed P value? | Two-tailed |
| Sum of ranks in column A,B | 78 , 222 |
| Mann-Whitney U | 0 |

**Fig 2.**

Infarct volume

|  |  |  |
| --- | --- | --- |
| Shapiro-Wilk test |  |  |
| W | 0.9873 | 0.9981 |
| P value | 0.7839 | 0.9167 |
| Passed normality test (alpha=0.05)? | Yes | Yes |
| P value summary | ns | ns |

|  |  |
| --- | --- |
| Unpaired t test |  |
| P value | 0.0160 |
| P value summary | \* |
| Significantly different (P < 0.05)? | Yes |
| One- or two-tailed P value? | Two-tailed |
| t, df | t=4.012, df=4 |

Nissl staining area per cell

|  |  |  |
| --- | --- | --- |
| Shapiro-Wilk test |  |  |
| W | 0.9810 | 0.9320 |
| P value | 0.9872 | 0.4021 |
| Passed normality test (alpha=0.05)? | Yes | Yes |
| P value summary | ns | ns |

|  |  |
| --- | --- |
| Unpaired t test |  |
| P value | 0.0004 |
| P value summary | \*\*\* |
| Significantly different (P < 0.05)? | Yes |
| One- or two-tailed P value? | Two-tailed |
| t, df | t=4.221, df=22 |

Nissl positive cells per cell

|  |  |  |
| --- | --- | --- |
| Shapiro-Wilk test |  |  |
| W | 0.9341 | 0.9098 |
| P value | 0.4254 | 0.2122 |
| Passed normality test (alpha=0.05)? | Yes | Yes |
| P value summary | ns | ns |

|  |  |
| --- | --- |
| Unpaired t test |  |
| P value | 0.0051 |
| P value summary | \*\* |
| Significantly different (P < 0.05)? | Yes |
| One- or two-tailed P value? | Two-tailed |
| t, df | t=3.111, df=22 |

FJB positive cells per image

|  |  |  |
| --- | --- | --- |
| Shapiro-Wilk test |  |  |
| W | 0.9523 | 0.9025 |
| P value | 0.6706 | 0.1707 |
| Passed normality test (alpha=0.05)? | Yes | Yes |
| P value summary | ns | ns |

|  |  |
| --- | --- |
| Unpaired t test |  |
| P value | <0.0001 |
| P value summary | \*\*\*\* |
| Significantly different (P < 0.05)? | Yes |
| One- or two-tailed P value? | Two-tailed |
| t, df | t=8.266, df=22 |

Gpx4- Relative gray value of western blot

|  |  |  |
| --- | --- | --- |
| Shapiro-Wilk test |  |  |
| W | 0.9678 | 0.9904 |
| P value | 0.8773 | 0.9902 |
| Passed normality test (alpha=0.05)? | Yes | Yes |
| P value summary | ns | ns |

|  |  |
| --- | --- |
| Unpaired t test |  |
| P value | 0.0001 |
| P value summary | \*\*\* |
| Significantly different (P < 0.05)? | Yes |
| One- or two-tailed P value? | Two-tailed |
| t, df | t=6.189, df=10 |

4-HNE Relative gray value of western blot

|  |  |  |
| --- | --- | --- |
| Shapiro-Wilk test |  |  |
| W | 0.9606 | 0.9377 |
| P value | 0.8244 | 0.6405 |
| Passed normality test (alpha=0.05)? | Yes | Yes |
| P value summary | ns | ns |

|  |  |
| --- | --- |
| Unpaired t test |  |
| P value | <0.0001 |
| P value summary | \*\*\*\* |
| Significantly different (P < 0.05)? | Yes |
| One- or two-tailed P value? | Two-tailed |
| t, df | t=7.956, df=10 |

**Fig 3.**

Nissl positive cells per iamge

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Shapiro-Wilk test |  |  |  |  |
| W | 0.9603 | 0.9447 | 0.9125 | 0.9048 |
| P value | 0.7877 | 0.5614 | 0.2299 | 0.1829 |
| Passed normality test (alpha=0.05)? | Yes | Yes | Yes | Yes |
| P value summary | ns | ns | ns | ns |

|  |  |
| --- | --- |
| ANOVA summary |  |
| F | 43.09 |
| P value | <0.0001 |
| P value summary | \*\*\*\* |
| Significant diff. among means (P < 0.05)? | Yes |
| R squared | 0.7461 |

|  |  |  |  |
| --- | --- | --- | --- |
| Tukey's multiple comparisons test | Below threshold? | Summary | Adjusted P Value |
| Sham+S vs. Sham+Pro | No | ns | 0.9966 |
| Sham+S vs. TBI+S | Yes | \*\*\*\* | <0.0001 |
| Sham+S vs. TBI+Pro | Yes | \*\*\*\* | <0.0001 |
| Sham+Pro vs. TBI+S | Yes | \*\*\*\* | <0.0001 |
| Sham+Pro vs. TBI+Pro | Yes | \*\*\*\* | <0.0001 |
| TBI+S vs. TBI+Pro | Yes | \*\* | 0.0013 |

Nissl staining area per cell

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Shapiro-Wilk test |  |  |  |  |
| W | 0.9325 | 0.8985 | 0.9393 | 0.8911 |
| P value | 0.4073 | 0.1515 | 0.4892 | 0.1216 |
| Passed normality test (alpha=0.05)? | Yes | Yes | Yes | Yes |
| P value summary | ns | ns | ns | ns |

|  |  |
| --- | --- |
| ANOVA summary |  |
| F | 26.10 |
| P value | <0.0001 |
| P value summary | \*\*\*\* |
| Significant diff. among means (P < 0.05)? | Yes |
| R squared | 0.6403 |

|  |  |  |  |
| --- | --- | --- | --- |
| Tukey's multiple comparisons test | Below threshold? | Summary | Adjusted P Value |
| Sham+S vs. Sham+Pro | No | ns | 0.9851 |
| Sham+S vs. TBI+S | Yes | \*\*\*\* | <0.0001 |
| Sham+S vs. TBI+Pro | Yes | \*\*\* | 0.0005 |
| Sham+Pro vs. TBI+S | Yes | \*\*\*\* | <0.0001 |
| Sham+Pro vs. TBI+Pro | Yes | \*\*\* | 0.0002 |
| TBI+S vs. TBI+Pro | Yes | \* | 0.0318 |

FJB positive cells per image

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Shapiro-Wilk test |  |  |  |  |
| W | 0.7479 | 0.8502 | 0.8800 | 0.8567 |
| P value | 0.0025 | 0.0369 | 0.0877 | 0.0445 |
| Passed normality test (alpha=0.05)? | No | No | Yes | No |
| P value summary | \*\* | \* | ns | \* |

|  |  |
| --- | --- |
| Kruskal-Wallis test |  |
| P value | <0.0001 |
| Exact or approximate P value? | Approximate |
| P value summary | \*\*\*\* |
| Do the medians vary signif. (P < 0.05)? | Yes |
| Number of groups | 4 |
| Kruskal-Wallis statistic | 39.99 |

|  |  |  |  |
| --- | --- | --- | --- |
| Dunn's multiple comparisons test | Significant? | Summary | Adjusted P Value |
| Sham+S vs. Sham+Pro | No | ns | >0.9999 |
| Sham+S vs. TBI+S | Yes | \*\*\*\* | <0.0001 |
| Sham+S vs. TBI+Pro | Yes | \*\* | 0.0024 |
| Sham+Pro vs. TBI+S | Yes | \*\*\*\* | <0.0001 |
| Sham+Pro vs. TBI+Pro | Yes | \* | 0.0230 |
| TBI+S vs. TBI+Pro | No | ns | 0.2694 |

Gpx4- Relative gray value of western blot

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Shapiro-Wilk test |  |  |  |  |
| W | 0.9871 | 0.9308 | 0.9501 | 0.9699 |
| P value | 0.9809 | 0.5863 | 0.7414 | 0.8916 |
| Passed normality test (alpha=0.05)? | Yes | Yes | Yes | Yes |
| P value summary | ns | ns | ns | ns |

|  |  |
| --- | --- |
| ANOVA summary |  |
| F | 77.55 |
| P value | <0.0001 |
| P value summary | \*\*\*\* |
| Significant diff. among means (P < 0.05)? | Yes |
| R squared | 0.9208 |

|  |  |  |  |
| --- | --- | --- | --- |
| Tukey's multiple comparisons test | Below threshold? | Summary | Adjusted P Value |
| Sham+S vs. Sham+Pro | No | ns | 0.9929 |
| Sham+S vs. TBI+S | Yes | \*\*\*\* | <0.0001 |
| Sham+S vs. TBI+Pro | Yes | \*\*\*\* | <0.0001 |
| Sham+Pro vs. TBI+S | Yes | \*\*\*\* | <0.0001 |
| Sham+Pro vs. TBI+Pro | Yes | \*\*\*\* | <0.0001 |
| TBI+S vs. TBI+Pro | Yes | \*\*\* | 0.0003 |

4-HNE- Relative gray value of western blot

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Shapiro-Wilk test |  |  |  |  |
| W | 0.9261 | 0.8605 | 0.8906 | 0.9358 |
| P value | 0.5506 | 0.1910 | 0.3214 | 0.6257 |
| Passed normality test (alpha=0.05)? | Yes | Yes | Yes | Yes |
| P value summary | ns | ns | ns | ns |

|  |  |
| --- | --- |
| ANOVA summary |  |
| F | 21.17 |
| P value | <0.0001 |
| P value summary | \*\*\*\* |
| Significant diff. among means (P < 0.05)? | Yes |
| R squared | 0.7605 |

|  |  |  |  |
| --- | --- | --- | --- |
| Tukey's multiple comparisons test | Below threshold? | Summary | Adjusted P Value |
| Sham+S vs. Sham+Pro | No | ns | 0.9988 |
| Sham+S vs. TBI+S | Yes | \*\*\*\* | <0.0001 |
| Sham+S vs. TBI+Pro | Yes | \*\* | 0.0049 |
| Sham+Pro vs. TBI+S | Yes | \*\*\*\* | <0.0001 |
| Sham+Pro vs. TBI+Pro | Yes | \*\* | 0.0068 |
| TBI+S vs. TBI+Pro | Yes | \* | 0.0400 |

Rotarod test

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Shapiro-Wilk test |  |  |  |  |
| W | 0.9596 | 0.9335 | 0.9538 | 0.9876 |
| P value | 0.8062 | 0.5481 | 0.7491 | 0.9905 |
| Passed normality test (alpha=0.05)? | Yes | Yes | Yes | Yes |
| P value summary | ns | ns | ns | ns |

|  |  |
| --- | --- |
| ANOVA summary |  |
| F | 20.34 |
| P value | <0.0001 |
| P value summary | \*\*\*\* |
| Significant diff. among means (P < 0.05)? | Yes |
| R squared | 0.6855 |

|  |  |  |  |
| --- | --- | --- | --- |
| Tukey's multiple comparisons test | Below threshold? | Summary | Adjusted P Value |
| Sham+S vs. Sham+Pro | No | ns | 0.9808 |
| Sham+S vs. TBI+S | Yes | \*\*\*\* | <0.0001 |
| Sham+S vs. TBI+Pro | Yes | \* | 0.0149 |
| Sham+Pro vs. TBI+S | Yes | \*\*\*\* | <0.0001 |
| Sham+Pro vs. TBI+Pro | Yes | \*\* | 0.0058 |
| TBI+S vs. TBI+Pro | Yes | \* | 0.0175 |

Inverted test

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Shapiro-Wilk test |  |  |  |  |
| W | 0.9462 | 0.9178 | 0.9159 | 0.9147 |
| P value | 0.6724 | 0.4124 | 0.3972 | 0.3885 |
| Passed normality test (alpha=0.05)? | Yes | Yes | Yes | Yes |
| P value summary | ns | ns | ns | ns |

|  |  |
| --- | --- |
| ANOVA summary |  |
| F | 26.71 |
| P value | <0.0001 |
| P value summary | \*\*\*\* |
| Significant diff. among means (P < 0.05)? | Yes |
| R squared | 0.7410 |

|  |  |  |  |
| --- | --- | --- | --- |
| Tukey's multiple comparisons test | Below threshold? | Summary | Adjusted P Value |
| Sham+S vs. Sham+Pro | No | ns | 0.9610 |
| Sham+S vs. TBI+S | Yes | \*\*\*\* | <0.0001 |
| Sham+S vs. TBI+Pro | Yes | \*\* | 0.0044 |
| Sham+Pro vs. TBI+S | Yes | \*\*\*\* | <0.0001 |
| Sham+Pro vs. TBI+Pro | Yes | \*\* | 0.0012 |
| TBI+S vs. TBI+Pro | Yes | \*\* | 0.0063 |

**Fig 4.**

iNOS- Relative gray value of western blot

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Shapiro-Wilk test |  |  |  |  |
| W | 0.9341 | 0.9542 | 0.9846 | 0.8616 |
| P value | 0.6118 | 0.7742 | 0.9721 | 0.1948 |
| Passed normality test (alpha=0.05)? | Yes | Yes | Yes | Yes |
| P value summary | ns | ns | ns | ns |

|  |  |
| --- | --- |
| ANOVA summary |  |
| F | 63.88 |
| P value | <0.0001 |
| P value summary | \*\*\*\* |
| Significant diff. among means (P < 0.05)? | Yes |
| R squared | 0.9055 |

|  |  |  |  |
| --- | --- | --- | --- |
| Tukey's multiple comparisons test | Below threshold? | Summary | Adjusted P Value |
| Sham+S vs. Sham+Pro | No | ns | 0.9354 |
| Sham+S vs. TBI+S | Yes | \*\*\*\* | <0.0001 |
| Sham+S vs. TBI+Pro | Yes | \*\*\* | 0.0002 |
| Sham+Pro vs. TBI+S | Yes | \*\*\*\* | <0.0001 |
| Sham+Pro vs. TBI+Pro | Yes | \*\*\* | 0.0007 |
| TBI+S vs. TBI+Pro | Yes | \*\*\*\* | <0.0001 |

eNOS- Relative gray value of western blot

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Shapiro-Wilk test |  |  |  |  |
| W | 0.9539 | 0.9281 | 0.9910 | 0.8797 |
| P value | 0.7716 | 0.5655 | 0.9915 | 0.2677 |
| Passed normality test (alpha=0.05)? | Yes | Yes | Yes | Yes |
| P value summary | ns | ns | ns | ns |

|  |  |
| --- | --- |
| ANOVA summary |  |
| F | 28.79 |
| P value | <0.0001 |
| P value summary | \*\*\*\* |
| Significant diff. among means (P < 0.05)? | Yes |
| R squared | 0.8120 |

|  |  |  |  |
| --- | --- | --- | --- |
| Tukey's multiple comparisons test | Below threshold? | Summary | Adjusted P Value |
| Sham+S vs. Sham+Pro | Yes | \* | 0.0452 |
| Sham+S vs. TBI+S | Yes | \*\*\*\* | <0.0001 |
| Sham+S vs. TBI+Pro | No | ns | 0.8798 |
| Sham+Pro vs. TBI+S | Yes | \*\*\*\* | <0.0001 |
| Sham+Pro vs. TBI+Pro | Yes | \*\* | 0.0092 |
| TBI+S vs. TBI+Pro | Yes | \*\*\* | 0.0001 |

Concentration of NO

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Shapiro-Wilk test |  |  |  |  |
| W | 0.9224 | 0.9506 | 0.9782 | 0.9905 |
| P value | 0.5225 | 0.7454 | 0.9425 | 0.9903 |
| Passed normality test (alpha=0.05)? | Yes | Yes | Yes | Yes |
| P value summary | ns | ns | ns | ns |

|  |  |
| --- | --- |
| ANOVA summary |  |
| F | 21.93 |
| P value | <0.0001 |
| P value summary | \*\*\*\* |
| Significant diff. among means (P < 0.05)? | Yes |
| R squared | 0.7669 |

|  |  |  |  |
| --- | --- | --- | --- |
| Tukey's multiple comparisons test | Below threshold? | Summary | Adjusted P Value |
| Sham+S vs. Sham+Pro | Yes | \*\* | 0.0019 |
| Sham+S vs. TBI+S | Yes | \*\* | 0.0059 |
| Sham+S vs. TBI+Pro | No | ns | 0.8698 |
| Sham+Pro vs. TBI+S | Yes | \*\*\*\* | <0.0001 |
| Sham+Pro vs. TBI+Pro | Yes | \* | 0.0106 |
| TBI+S vs. TBI+Pro | Yes | \*\* | 0.0010 |

Correlation between eNOS and Gpx4

|  |  |
| --- | --- |
|  | eNOS vs. Gpx4 |
| Pearson r |  |
| r | 0.8312 |
| 95% confidence interval | 0.4920 to 0.9513 |
| R squared | 0.6909 |
|  |  |
| P value |  |
| P (two-tailed) | 0.0008 |
| P value summary | \*\*\* |
| Significant? (alpha = 0.05) | Yes |
|  |  |
| Number of XY Pairs | 12 |

Correlation between eNOS and 4-HNE

|  |  |
| --- | --- |
|  | eNOS vs. 4-HNE |
| Pearson r |  |
| r | -0.7952 |
| 95% confidence interval | -0.9401 to -0.4071 |
| R squared | 0.6324 |
|  |  |
| P value |  |
| P (two-tailed) | 0.0020 |
| P value summary | \*\* |
| Significant? (alpha = 0.05) | Yes |
|  |  |
| Number of XY Pairs | 12 |

**Fig 5.**

**Infarct volume**

|  |  |  |
| --- | --- | --- |
| Shapiro-Wilk test |  |  |
| W | 0.9157 | 0.8763 |
| P value | 0.4375 | 0.3136 |
| Passed normality test (alpha=0.05)? | Yes | Yes |
| P value summary | ns | ns |

|  |  |
| --- | --- |
| Unpaired t test |  |
| P value | 0.0044 |
| P value summary | \*\* |
| Significantly different (P < 0.05)? | Yes |
| One- or two-tailed P value? | Two-tailed |
| t, df | t=5.807, df=4 |

**Nissl positive cells per image**

|  |  |  |
| --- | --- | --- |
| Shapiro-Wilk test |  |  |
| W | 0.8731 | 0.9345 |
| P value | 0.0716 | 0.4305 |
| Passed normality test (alpha=0.05)? | Yes | Yes |
| P value summary | ns | ns |

|  |  |
| --- | --- |
| Unpaired t test |  |
| P value | 0.0001 |
| P value summary | \*\*\* |
| Significantly different (P < 0.05)? | Yes |
| One- or two-tailed P value? | Two-tailed |
| t, df | t=4.630, df=22 |

**Nissl staining area per cell**

|  |  |  |
| --- | --- | --- |
| Shapiro-Wilk test |  |  |
| W | 0.9714 | 0.9397 |
| P value | 0.9249 | 0.4938 |
| Passed normality test (alpha=0.05)? | Yes | Yes |
| P value summary | ns | ns |

|  |  |
| --- | --- |
| Unpaired t test |  |
| P value | 0.0003 |
| P value summary | \*\*\* |
| Significantly different (P < 0.05)? | Yes |
| One- or two-tailed P value? | Two-tailed |
| t, df | t=4.243, df=22 |

**FJB positive cells per image**

|  |  |  |
| --- | --- | --- |
| Shapiro-Wilk test |  |  |
| W | 0.9087 | 0.9547 |
| P value | 0.2055 | 0.7069 |
| Passed normality test (alpha=0.05)? | Yes | Yes |
| P value summary | ns | ns |

|  |  |
| --- | --- |
| Unpaired t test |  |
| P value | <0.0001 |
| P value summary | \*\*\*\* |
| Significantly different (P < 0.05)? | Yes |
| One- or two-tailed P value? | Two-tailed |
| t, df | t=6.268, df=22 |

Gpx4- Relative gray value of western blot

|  |  |  |
| --- | --- | --- |
| Shapiro-Wilk test |  |  |
| W | 0.8522 | 0.9784 |
| P value | 0.1640 | 0.9431 |
| Passed normality test (alpha=0.05)? | Yes | Yes |
| P value summary | ns | ns |

|  |  |
| --- | --- |
| Unpaired t test |  |
| P value | 0.0029 |
| P value summary | \*\* |
| Significantly different (P < 0.05)? | Yes |
| One- or two-tailed P value? | Two-tailed |
| t, df | t=3.908, df=10 |

4HNE- Relative gray value of western blot

|  |  |  |
| --- | --- | --- |
| Shapiro-Wilk test |  |  |
| W | 0.9424 | 0.9037 |
| P value | 0.6784 | 0.3963 |
| Passed normality test (alpha=0.05)? | Yes | Yes |
| P value summary | ns | ns |

|  |  |
| --- | --- |
| Unpaired t test |  |
| P value | 0.0039 |
| P value summary | \*\* |
| Significantly different (P < 0.05)? | Yes |
| One- or two-tailed P value? | Two-tailed |
| t, df | t=3.732, df=10 |

**Inverted test**

|  |  |  |
| --- | --- | --- |
| Shapiro-Wilk test |  |  |
| W | 0.8444 | 0.9387 |
| P value | 0.0835 | 0.5987 |
| Passed normality test (alpha=0.05)? | Yes | Yes |
| P value summary | ns | ns |

|  |  |
| --- | --- |
| Unpaired t test |  |
| P value | 0.0003 |
| P value summary | \*\*\* |
| Significantly different (P < 0.05)? | Yes |
| One- or two-tailed P value? | Two-tailed |
| t, df | t=4.829, df=14 |

**Rotarted test**

|  |  |  |
| --- | --- | --- |
| Shapiro-Wilk test |  |  |
| W | 0.8198 | 0.9639 |
| P value | 0.0464 | 0.8466 |
| Passed normality test (alpha=0.05)? | No | Yes |
| P value summary | \* | ns |

|  |  |
| --- | --- |
| Unpaired t test |  |
| P value | 0.0026 |
| P value summary | \*\* |
| Significantly different (P < 0.05)? | Yes |
| One- or two-tailed P value? | Two-tailed |
| t, df | t=3.661, df=14 |