REPORTE GENERAL DE DATOS.
Comparación entre ratones en condiciones *control* contra sometidos a *ECI.*
Santiago Caballero Rosas

COMPARACIÓN I: GFAP

t-test viernes, febrero 07, 2025, 01:10:50 a. m.

Data source: GFAP in Neurogenesis_CTRLvsECI.JNB

Normality Test (Shapiro-Wilk) Passed (P = 0.909)

Equal Variance Test: Passed (P = 0.894)

Group Name	N	Missing	Mean	Std Dev	SEM
Col 1	4	0	0.000281	0.000138	0.0000690
Col 2	5	0	0.000285	0.000105	0.0000468

Difference -0.00000367

t = -0.0455 with 7 degrees of freedom. (P = 0.965)

95 percent confidence interval for difference of means: -0.000194 to 0.000187

The difference in the mean values of the two groups is not great enough to reject the possibility that the difference is due to random sampling variability. There is not a statistically significant difference between the input groups (P = 0.965).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800.
Less than desired power indicates you are less likely to detect a difference when one actually exists.
Negative results should be interpreted cautiously.

COMPARACIÓN II: Ki67

t-test viernes, febrero 07, 2025, 01:15:20 a. m.

Data source: Ki67 in Neurogenesis_CTRLvsECI.JNB

Normality Test (Shapiro-Wilk) Failed (P < 0.050)

Test execution ended by user request, Rank Sum Test begun

Mann-Whitney Rank Sum Test viernes, febrero 07, 2025, 01:15:20 a. m.

Data source: Ki67 in Neurogenesis_CTRLvsECI.JNB

Group	N	Missing	Median	25%	75%
Col 1	4	0	0.000192	0.0000889	0.000394

Col 2	5	0	0.0000618	0.0000423	0.000328

Mann-Whitney U Statistic= 5.000

T = 25.000 n(small)= 4 n(big)= 5 P(est.)= 0.270 P(exact)= 0.286

The difference in the median values between the two groups is not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.286)

COMPARACIÓN III: DCX

t-test viernes, febrero 07, 2025, 01:18:08 a. m.

Data source: DCX in Neurogenesis_CTRLvsECI.JNB

Normality Test (Shapiro-Wilk) Passed (P = 0.426)

Equal Variance Test: Passed (P = 0.161)

Group Name	N	Missing	Mean	Std Dev	SEM
Col 1	4	0	0.000366	0.0000343	0.0000172
Col 2	5	0	0.000306	0.0000906	0.0000405

Difference 0.0000597

t = 1.235 with 7 degrees of freedom. (P = 0.257)

95 percent confidence interval for difference of means: -0.0000546 to 0.000174

The difference in the mean values of the two groups is not great enough to reject the possibility that the difference is due to random sampling variability. There is not a statistically significant difference between the input groups (P = 0.257).

Power of performed test with alpha = 0.050: 0.093

The power of the performed test (0.093) is below the desired power of 0.800.
Less than desired power indicates you are less likely to detect a difference when one actually exists.
Negative results should be interpreted cautiously.

COMPARACIÓN IV: CB

t-test viernes, febrero 07, 2025, 01:20:09 a. m.

Data source: CB in Neurogenesis_CTRLvsECI.JNB

Normality Test (Shapiro-Wilk) Passed (P = 0.578)

Equal Variance Test: Passed (P = 0.489)

Group Name	N	Missing	Mean	Std Dev	SEM
Col 1	4	0	8166217.500	6178862.397	3089431.198
Col 2	5	0	5068103.950	3648254.848	1631549.168

Difference 3098113.550

t = 0.943 with 7 degrees of freedom. (P = 0.377)

95 percent confidence interval for difference of means: -4667607.741 to 10863834.841

The difference in the mean values of the two groups is not great enough to reject the possibility that the difference is due to random sampling variability. There is not a statistically significant difference between the input groups (P = 0.377).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800.
Less than desired power indicates you are less likely to detect a difference when one actually exists.
Negative results should be interpreted cautiously.