

Supplement S4: Ki67-positive cells and neurogenesis

Ki67-positive cells

Statistical differences within sham groups

sham groups:

6m *versus* 7.5m: $U = 3.00$; $n = 11$; $p = 0.028$

6m *versus* 9m: $U < 0.001$; $n = 10$; $p = 0.009$

7.5m *versus* 9m: $U < 0.001$; $n = 10$; $p = 0.009$

Statistical differences within MCAO groups

MCAO groups:

6m *versus* 7.5m: $U = 5.00$; $n = 12$; $p = 0.042$

6m *versus* 9m: $U < 0.001$; $n = 13$; $p = 0.003$

7.5m *versus* 9m: $U = 3.00$; $n = 11$; $p = 0.009$

Statistical differences between sham and MCAO

6 month groups:

Sham: Mdn = 588 cells; IqR = 348

MCAO: Mdn = 606 cells; IqR = 285; $U = 17.50$; $n = 13$; $p = 0.617$

7.5 month groups:

Sham: Mdn = 432 cells; IqR = 114

MCAO: Mdn = 372 cells; IqR = 120; $U = 5.00$; $n = 10$; $p = 0.112$

9 month groups:

Sham: Mdn = 300 cells; IqR = 78.00

MCAO: Mdn = 132 cells; IqR = 72.00; $U < 0.001$; $n = 11$; $p = 0.006$

Adult neurogenesis

Statistical differences within sham groups

sham groups:

6m *versus* 7.5m: $U = 17.00$; $n = 14$; $p = 0.383$

6m *versus* 9m: $U = 21.00$; $n = 13$; $p = 1.000$

7.5m *versus* 9m: $U = 10.00$; $n = 13$; $p = 0.138$

6m *versus* 20m: $U < 0.001$; $n = 13$; $p = 0.001$

7.5m *versus* 20m: $U < 0.001$; $n = 13$; $p = 0.001$

9m *versus* 20m: $U < 0.001$; $n = 12$; $p = 0.002$

Statistical differences within MCAO groups

6m *versus* 7.5m: U = 17.00; n = 14; p = 0.016
6m *versus* 9m: U = 21.00; n = 13; p = 0.111
7.5m *versus* 9m: U = 10.00; n = 13; p = 0.556
6m *versus* 20m: U < 0.001; n = 12; p = 0.003
7.5m *versus* 20m: U < 0.001; n = 12; p = 0.003
9m *versus* 20m: U < 0.001; n = 11; p = 0.006

Statistical differences between sham and MCAO

6 month group:

Sham: Mdn = 1614 cells; IqR = 927
MCAO: Mdn = 1270 cells; IqR = 924; U = 12.50; n = 12; p = 0.432

7.5 month group:

Sham: Mdn = 1492 cells; IqR = 750
MCAO: Mdn = 801 cells; IqR = 374; U = 1.00; n = 12; p = 0.005

9 month group:

Sham: Mdn = 1604 cells; IqR = 680
MCAO: Mdn = 1026 cells; IqR = 830; U = 1.00; n = 10; p = 0.019

20-month-old group:

Sham: Mdn = 13 cells; IqR = 28.13
MCAO: Mdn = 28 cells; IqR = 37.50; U = 15.00; n = 13; p = 0.445