

		<b>Comparison</b>	<b>F (DFn, DFd)</b>	<b>P value</b>	<b>Significant</b>
1	NP: Female cohort	Interaction	F (3, 24) = 23.19	P<0.0001	Yes
		Time points	F (3, 24) = 22.73	P<0.0001	Yes
		Ipsi vs Contra	F (1, 24) = 100.6	P<0.0001	Yes
2	NP: Male cohort	Interaction	F (3, 24) = 128.5	P<0.0001	Yes
		Time points	F (3, 24) = 134.1	P<0.0001	Yes
		Ipsi vs Contra	F (1, 24) = 236.5	P<0.0001	Yes
3	NP: Female vs Male cohort (ipsilateral)	Interaction	F (3, 24) = 4.876	P=0.0087	Yes
		Time points	F (3, 24) = 94.85	P<0.0001	Yes
		Sex	F (1, 24) = 1.45	P=0.2402	No

**Supplementary Table 2.** Statistical analysis results of NP accumulation: Tabular results of two-way ANOVA of intravenously injected NP accumulation after focal brain injury. Row 1 shows the two-way ANOVA results of female cohort, row 2 shows the results of male cohort and row 3 shows the result of ipsilateral hemisphere comparison of female and male cohort.