

		Comparison	F (DFn, DFd)	P value	Significant
1	HRP: Female cohort	Interaction	F (3, 24) = 34.35	P<0.0001	Yes
		Time points	F (3, 24) = 34.14	P<0.0001	Yes
		Ipsi vs Contra	F (1, 24) = 297.4	P<0.0001	Yes
2	HRP: Male cohort	Interaction	F (3, 24) = 33.46	P<0.0001	Yes
		Time points	F (3, 24) = 34.4	P<0.0001	Yes
		Ipsi vs Contra	F (1, 24) = 177.7	P<0.0001	Yes
3	HRP: Female vs Male cohort (ipsilateral)	Interaction	F (3, 24) = 4.519	P=0.0119	Yes
		Time points	F (3, 24) = 67.64	P<0.0001	Yes
		Sex	F (1, 24) = 17.23	P=0.0004	Yes

Supplementary Table 1. Statistical analysis results of HRP extravasation: Tabular results of two-way ANOVA of extravasation of intravenously injected macromolecular tracer (horseradish peroxidase) 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.