

Table S1 $Ratio_{BFI}$ (%) for suture-induced ischemic model

	Time (min)								
	30	40	50	70*	80*	90*	100*	110*	120*
Rat1	8.5	9.2	9.8	67.8	64.4	71.8	70.6	66.3	69.8
Rat2	23.5	22.5	24.1	80.5	78.2	81.3	79.7	81.6	78.4
Rat3	31.2	29.7	32.2	96.5	97.7	100.7	102.4	96.5	101.1
Rat4	6.7	5.7	6.0	78.6	73.1	82.5	80.2	79.3	82.6
Rat5	4.7	6.6	5.9	61.1	63.4	65.9	62.6	68.4	65.4
Rat6	10.3	8.2	11.5	79.1	70.2	80.5	77.1	84.3	77.7
Mean	14.2	13.7	14.9	77.3	74.5	80.5	78.8	79.4	79.2
SD	10.7	10.0	10.8	12.1	12.6	11.8	13.4	11.1	12.5

*After suture withdrawal

Table S2 $Ratio_{BFI}(\%)$ for embolism-induced ischemic model – Control (untreated) group

	Time (mins)								
	30	40	50	100*	110*	120*	130*	140*	150*
Rat1	50.1	47.6	49.8	51.3	50.2	47.9	45.2	44.1	40.6
Rat2	23.1	22.5	21.7	25.4	26.5	23.7	27.2	24.3	25.1
Rat3	32.6	29.7	28.6	37.2	34.9	32.1	29.4	29.8	26.4
Rat4	55.4	52.1	50.4	56.8	58.4	49.4	48.6	50.9	51.5
Rat5	47.6	43.2	41.7	42.1	47.6	48.6	44.3	45.4	42.1
Rat6	38.2	37.6	34.5	36.5	40.6	40.3	37.6	39.4	32.9
Mean	41.2	38.8	37.8	41.6	43.0	40.3	38.7	39.0	36.4
SD	12.1	11.2	11.6	11.3	11.4	10.5	8.8	10.1	10.2

*After saline infusion

Table S3 $Ratio_{BFI}$ (%) for embolism-induced ischemic model – rtPA treated group

	Time (mins)								
	30	40	50	100*	110*	120*	130*	140*	150*
Rat1	54.1	52.7	50.5	81.1	88.8	99.2	102.5	105.9	104.4
Rat2	35.4	33.6	36.3	37.7	52.4	71.3	66.7	78.2	75.7
Rat3	17.6	18.8	21.4	44.4	43.1	52.1	50.2	66.3	60.1
Rat4	35.4	33.7	31.9	55.4	69.3	75.2	69.4	73.2	76.4
Rat5	29.4	30.3	27.5	79.7	86.5	99.8	90.5	100.5	102.8
Rat6	31.6	29.6	28.2	58.2	66.6	70.3	71.8	68.1	72.2
Mean	33.9	33.1	32.6	59.4	67.8	78.0	75.2	82.0	81.9
SD	11.9	11.0	10.1	17.9	18.1	18.5	18.6	17.0	17.8

*After rtPA infusion