Table A: The modified Bederson's neurological deficit scale (mNDS)

score	signs
0	Normal
1	Mild circling behavior with or without inconsistent rotation when picked up by the tail,
	<50% attempts to rotate to the contralateral side
2	Mild consistent circling, >50% attempts to rotate to the contralateral side
3	Consistent strong and immediate circling, the mouse holds a rotation position for more than
	1-2 sec, with its nose almost reaching its tail
4	Severe rotation progressing into barreling, loss of walking or righting reflex
5	Comatose or moribund

Table B: The renewed combined behavioral scale (rCBS)

Behavioral changes	Score
1. Motor tests (hemiplegia)	
1.1. Raising rat by the tail	
Flexion of forelimb	1
Flexion of hindlimb	1
Head moved >10° to vertical axis within 30 s	1
1.2. Placing rat on the floor	
Normal walk	0
Inability to walk straight	1
Circling toward the paretic side	2
Fall down to the paretic side	3
2. Sensory tests	
Pain	1
Proprioceptive test	1
3. Beam balance tests (normal=0; maximum=6)	
Balances with steady posture	0
Grasps side of beam	1
Hugs the beam and one limb falls down from the beam	2
Hugs the beam and two limbs fall down from the beam, or spins on beam (>30s)	3
Attempts to balance on the beam but falls off (>20s)	4
Attempts to balance on the beam but falls off (>10s)	5
Falls off: No attempt to balance or hang on to the beam (<10s)	6
4. Reflexes absent and abnormal movements	
Pinna reflex (head shake when touching the auditory meatus)	1
Righting reflex	1
Startle reflex (motor response to a brief noise from snapping a clipboard paper)	1
Seizures, myoclonus, or myodystony	1
Maximum points	18

Figure A: Representative samples for the macroscopic grading of secondary hemorrhage.

Basing on the brain sections on day 3 post-ischemia, secondary hemorrhage was graded under the help of Image J by two independent inspectors. The grades are: 0, no hemorrhage; 1, single petechial hemorrhage; 2, multiple petechial hemorrhages; 3, single space-occupying parenchymal hemorrhage encompassing <30% of infarct area; 4, single space-occupying parenchymal hemorrhage \geq 30% of infarct area, or multiple space-occupying parenchymal hemorrhages. The space-occupying ventricular hemorrhage was scored 4 while it was 2 for the non-occupying ventricular hemorrhage.

