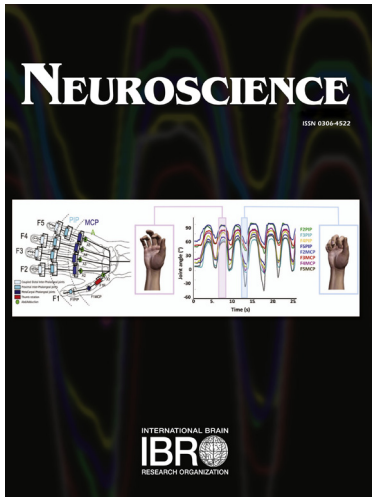

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Transplantation of human umbilical cord blood mononuclear cells attenuated ischemic injury in MCAO rats via inhibition of NF-κB and NLRP3 inflammasome

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Highlights:

1. cbMNCs reduced cerebral infarct volume and cell apoptosis in the brain of the MCAO rats.

2. cbMNCs improved neurologic deficits, learning and memory function.

3 cbMNCs enhanced angiogenesis, VEGF release and Ang-1/Tie-2 signaling pathway.

4. cbMNCs inhibited NF-κB pathway and NLRP3 inflammasome.