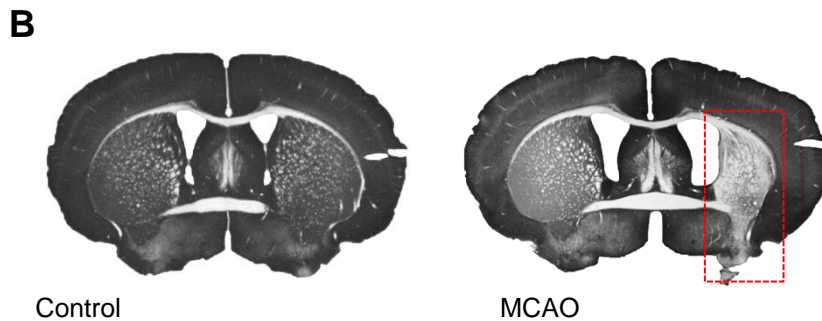
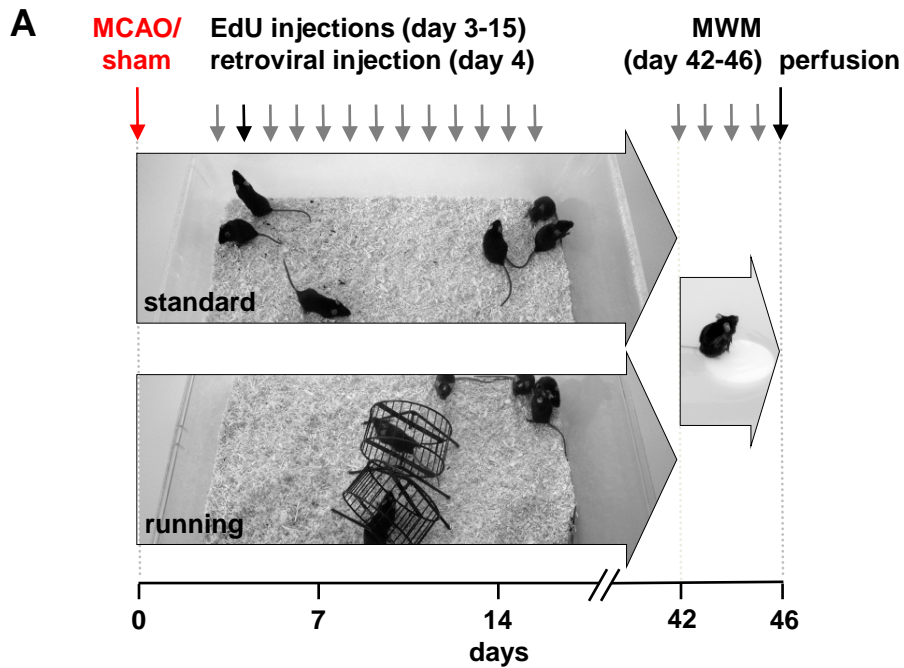


## Supplemental Figure 1



**Supplemental Figure 1: A**, Schematic illustration of experimental design. Adult mice were allocated to four experimental groups: MCAO or Sham operation with standard housing or free access to running wheels, respectively. Proliferation marker EdU was injected for 2 weeks starting 3 days postsurgery. GFP-retrovirus was injected 4 days after surgery. Spatial learning was assessed in the Morris water maze (MWM) at days 42 to 46. **B**, Representative images of coronal brain slices, control and MCAO, red frame indicates ischemic insult of the left hemisphere.