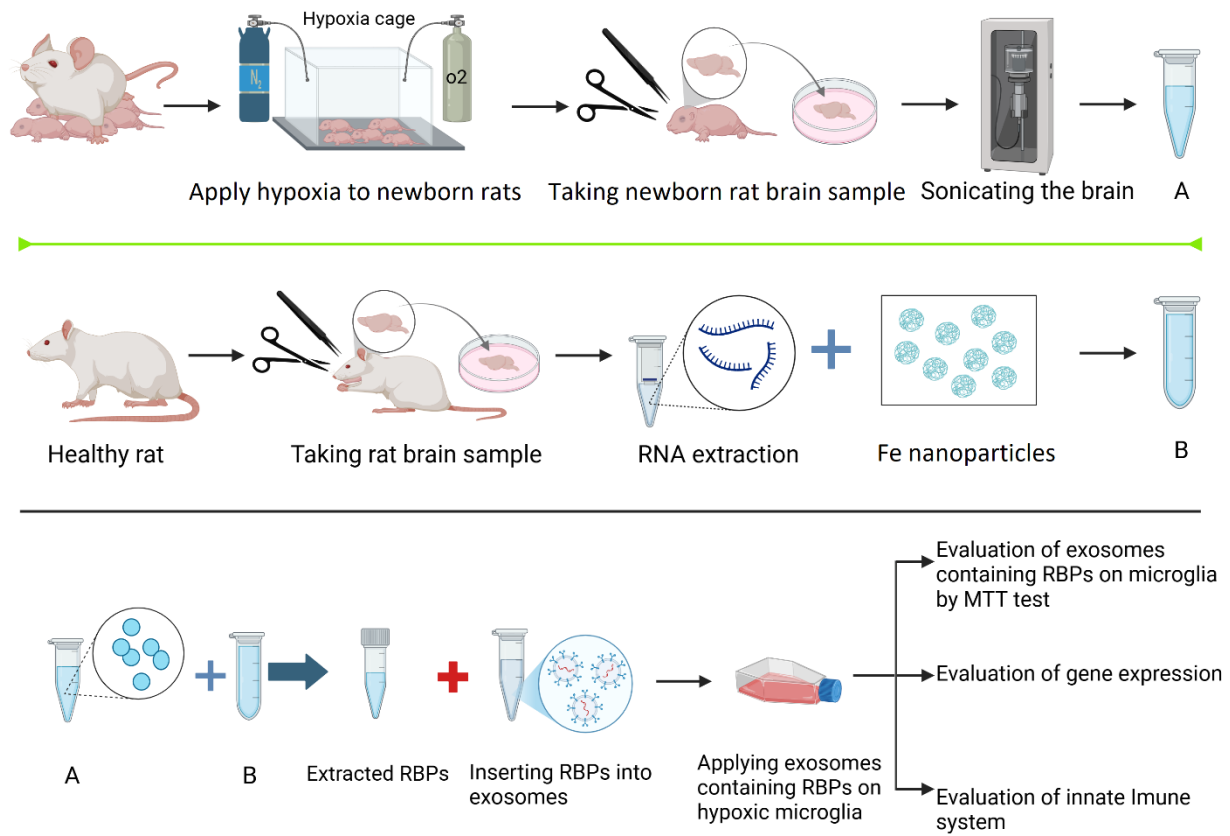
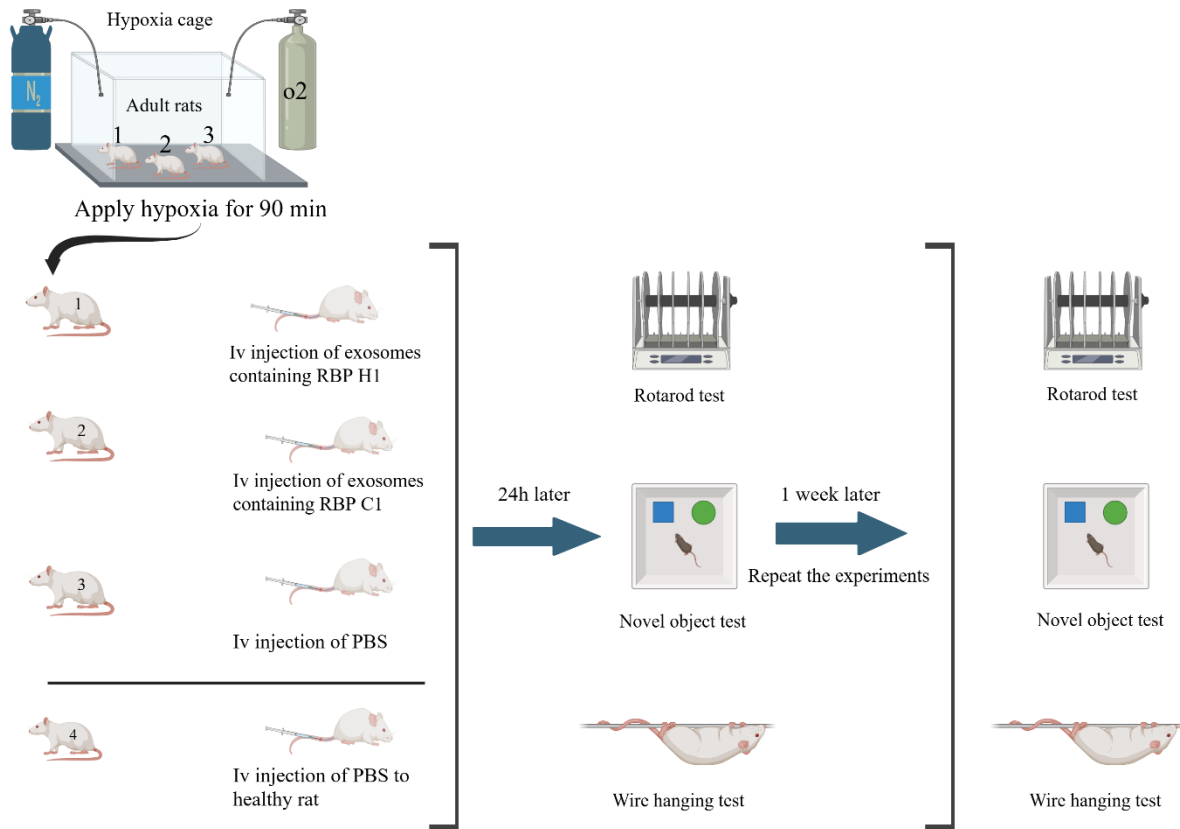


Supplementary Figure 1. Induction of hypoxia in newborn rats. The animals were divided into four groups, each consisting of five pups: hypoxia (H), one week after hypoxia induction (H1), control of hypoxia (C), and control one week after hypoxia induction (C1).



Supplementary Figure 2. Extraction of RNA-binding proteins from newborn rat brains subjected to hypoxia, utilizing Fe-nanoparticles conjugated to the RNA of the rat brains.



Supplementary Figure 3. Evaluation of the effects of microglial exosomes containing RNA-binding proteins on the behavioral characteristics of hypoxic rats, assessed in vivo using the rotarod test, novel object recognition test, and wire hanging test.

