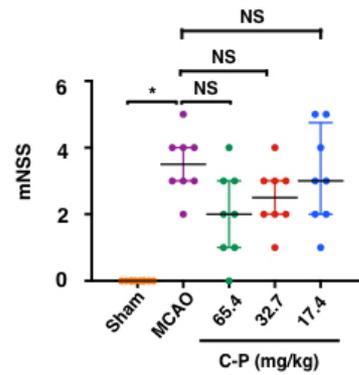
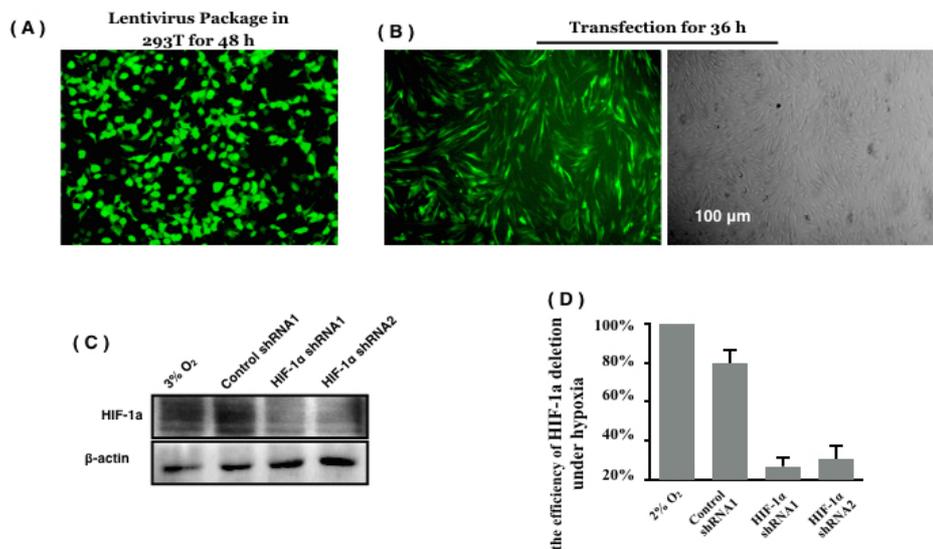


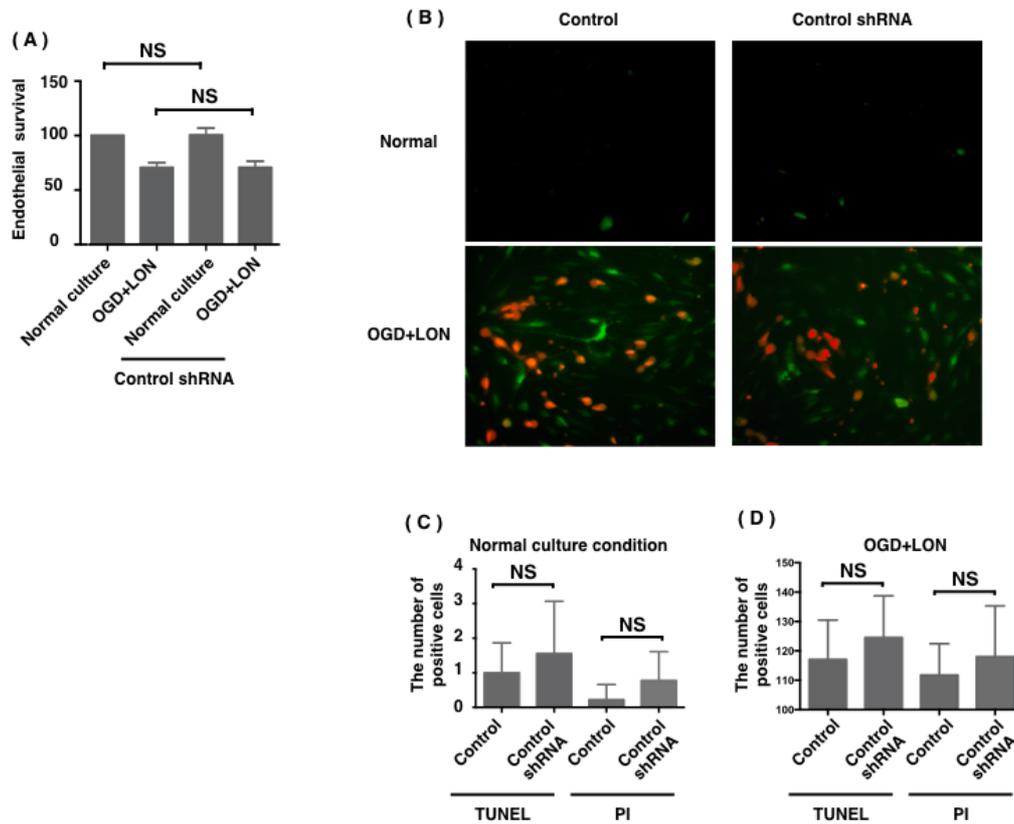
Supplementary materials



Supplementary Figure 1. Neurological deficiency was not improved by CP. With administration of CP infusion at doses of 65.4 mg/kg, 32.7 mg/kg, and 17.4 mg/kg for 14 days, MCAO rats were tested for mNSS. n = 8. Median \pm Range. NS: no statistical significance.



Supplementary Figure 2. shRNA repressed HIF-1 α expression in pBVECs in hypoxia. (A) shows the lentivirus package in 293T for 48 hours. (B) shows the endothelial transfection for 36 hours. (C) shows that the expression of HIF-1 α in pBVECs was inhibited by shRNA in protein level under hypoxia. (D) is the statistical analysis of figure C. n = 3, mean \pm SD.



Supplementary Figure 3. Control shRNA did not affect cell survival, apoptosis and necrosis in both normal and OGD+LON. (A) shows that control shRNA did not affect cell survival in both normal condition and OGD+LON. (B) shows the TUNEL stain and PI stain for apoptotic and necrotic pBMECs under both normal condition and OGD+LON. (C) and (D) are the statistical analysis of figure A. $n = 6$, mean \pm SD. NS: no statistical significance.