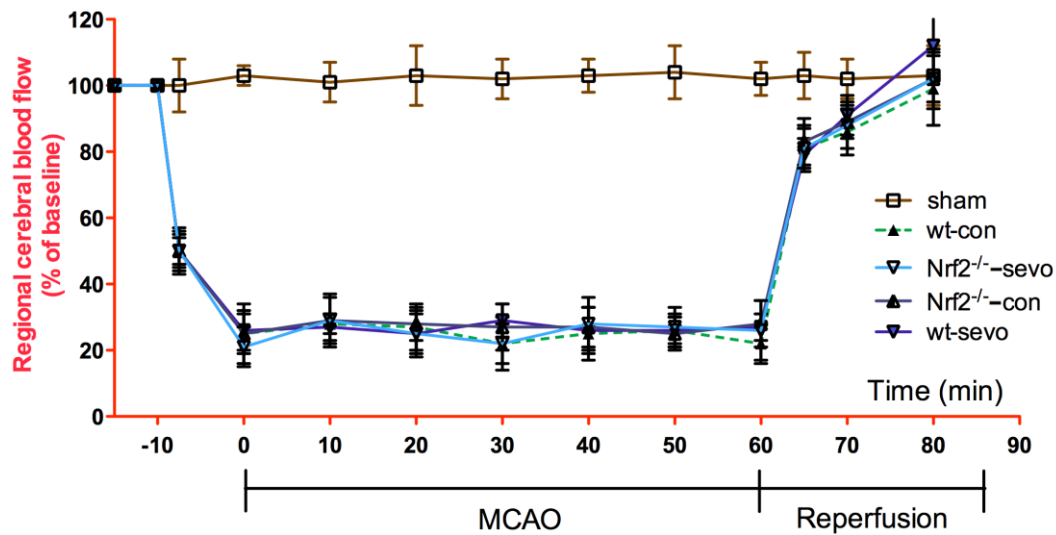


Supplemental Digital Content 2. Regional cerebral blood flow of ischemic hemisphere during MCAO surgery.



The sevoflurane preconditioning didn't affect the changes of regional cerebral blood flow induced by MCAO surgery. sham, operated animals; wt-I/R, wild type animals suffering from middle cerebral artery occlusion (MCAO); wt-sevo + I/R, wild type mice exposed to sevoflurane before suffering from MCAO; Nrf2^{-/-} I/R, Nrf2 knockout mice suffering from MCAO; Nrf2^{-/-}-sevo + I/R, Nrf2 Knockout mice exposed to sevoflurane before receiving MCAO operation.