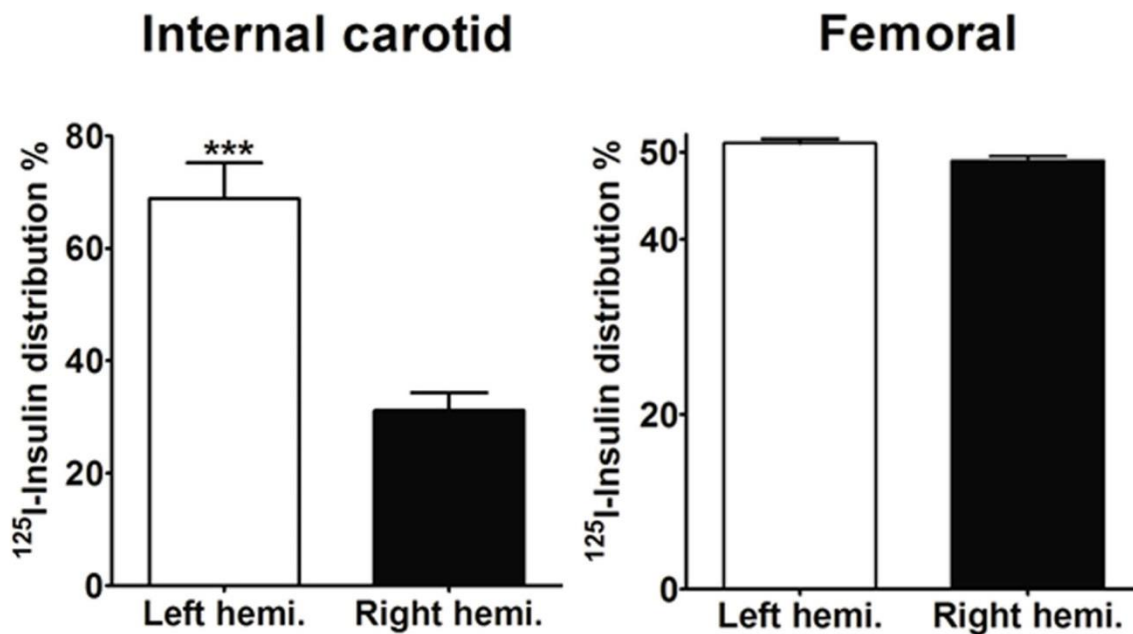
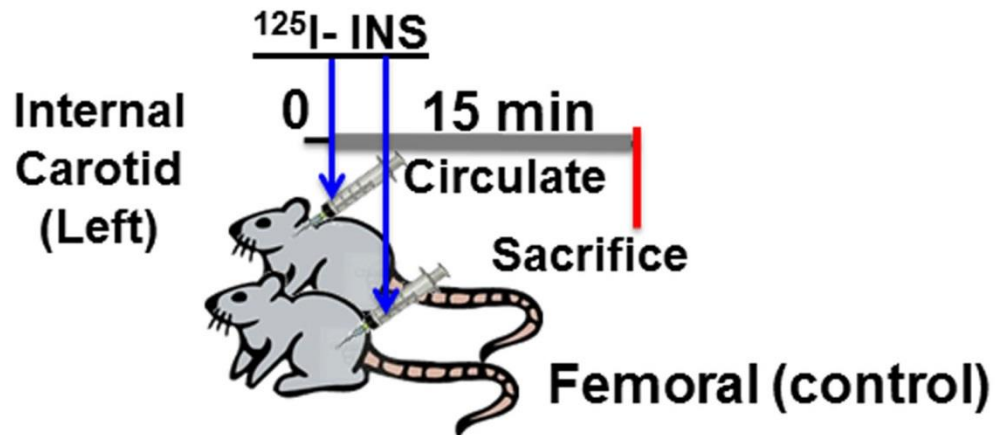


INS exposure after i.c. administration

Left hemi > Right hemi



Supplementary Figure 1: Determination of ¹²⁵I-Insulin distribution in brain. A 100 μ Ci dose of ¹²⁵I-Insulin was administered via left internal carotid artery in B6SJLF1 mice. The animals were transcardially perfused with PBS after 15 min; left and right brain hemispheres were collected; and the radioactivity in each hemisphere was measured in the gamma

counter. The radioactivity in each brain hemisphere is plotted as a percentage of the total brain radioactivity. Data is Mean \pm S.D. (n = 4). Alternatively, 100 μ Ci of 125 I-Insulin was administered via femoral vein and the accumulation of radioactivity in each hemisphere was determined and expressed as a percentage of the total brain radioactivity. Data is Mean \pm S.D. (n = 4). *** p < 0.0005: Student's t-test.