

Supplement Figure S1

Effects of Poly-ADP-(Ribose-)-Polymerase-1 (PARP-1) inhibition in a neonatal rodent model of hypoxic-ischemic injury

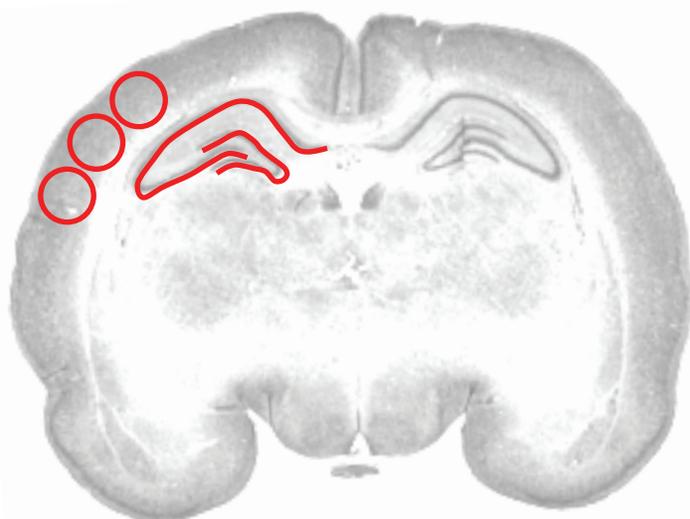
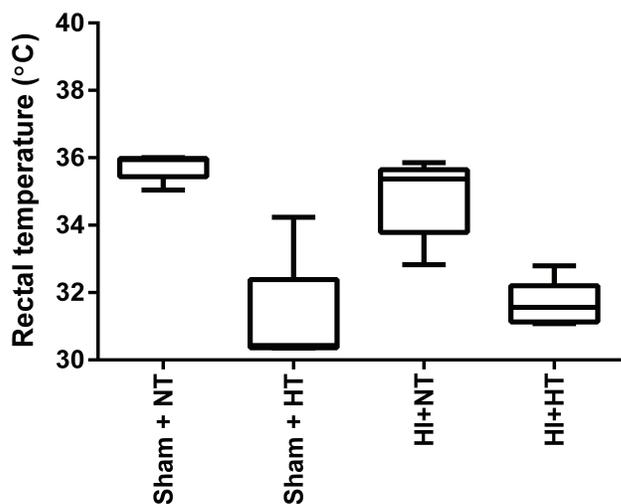


Figure 1: Measurement of rectal temperature at 120 min following HI revealed drop of body core temperature to 32 °C in hypothermia treated animals (n=6-8 sentinel animals per group).

Figure 2: TUNEL positive cells were counted manually in three regions of interest in the parietal cortex and in the entire hippocampus matching corresponding contralateral tissue serving as internal controls. Red circles represent regions in the core of the cortical injury.

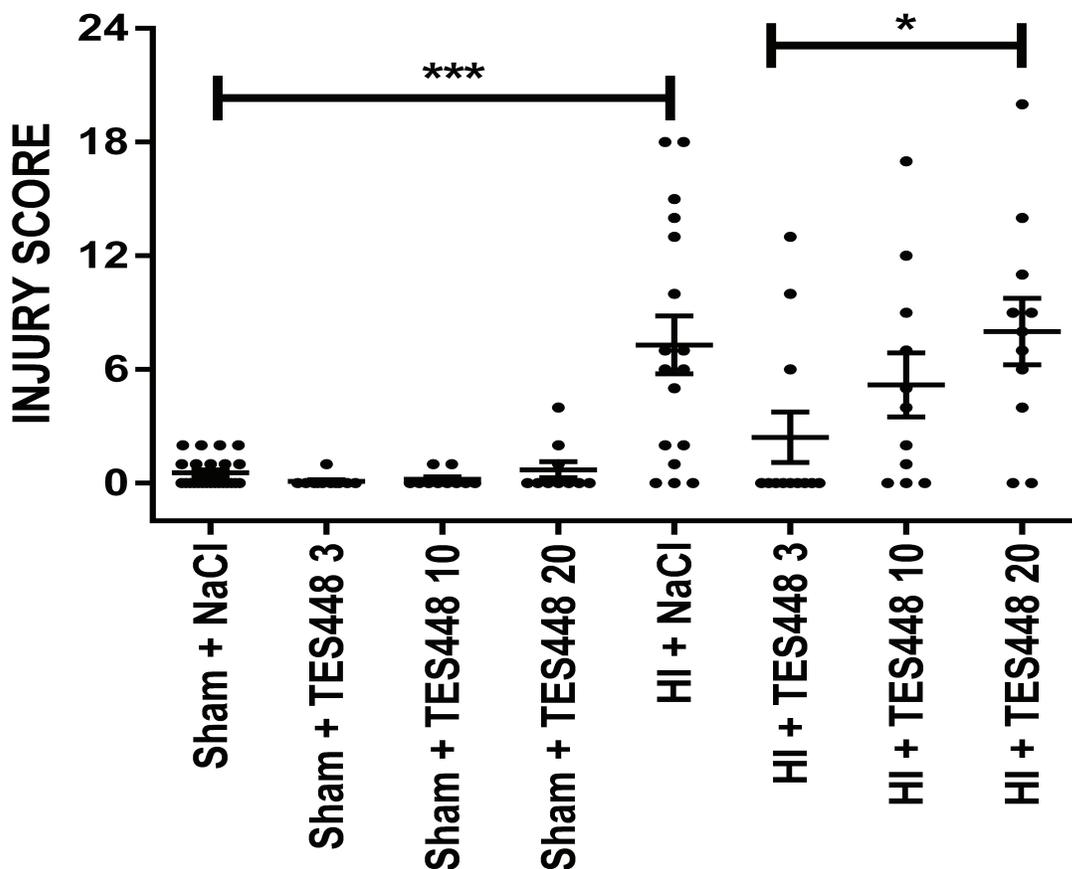


Figure 3: Dose –response effect of TES448 in the neonatal rat brain. P10 rats received three consecutive doses of TES448 (3, 10 or 20 mg/kg at 10 min, 3 and 6 hours) following HI. Histogrammic values represent cumulative injury scores in the forebrains of treated rats. Sham treated animals served as controls. (Values are presented as dot plots including mean values with SEM, *p<0.05, ***p<0.01, one-way ANOVA with Bonferroni’s multiple-comparison test, n = 10-24 per group).