

Seizure Threshold Graph

Seizure Threshold was interpreted as the amount of pentylenetetrazol (PTZ, chemoconvulsant, mg/kg) needed to induce seizure, which is on the Y-axis. Nonpregnant female rats (Nonpreg, black bar), late-pregnant rats (Late-Preg, white bar) and severe preeclamptic rats (RUPP+HC, reduced uterine perfusion pressure with high-cholesterol diet, red bar). Results show a step like lowering of seizure threshold. Late-Preg had a significant reduced seizure threshold versus Nonpreg and RUPP+HC had a significant reduced seizure threshold vs. Nonpreg and Late-Preg. For more information, please see graph in publication: Johnson AC, Tremble SM, Chan SL, Moseley J, LaMarca B, Nagle KJ, Cipolla MJ. Magnesium sulfate treatment reverses seizure susceptibility and decreases neuroinflammation in a rat model of severe preeclampsia. PLoS One. 2014 Nov 19;9(11):e113670. doi: 10.1371/journal.pone.0113670. PMID: 25409522; PMCID: PMC4237502.