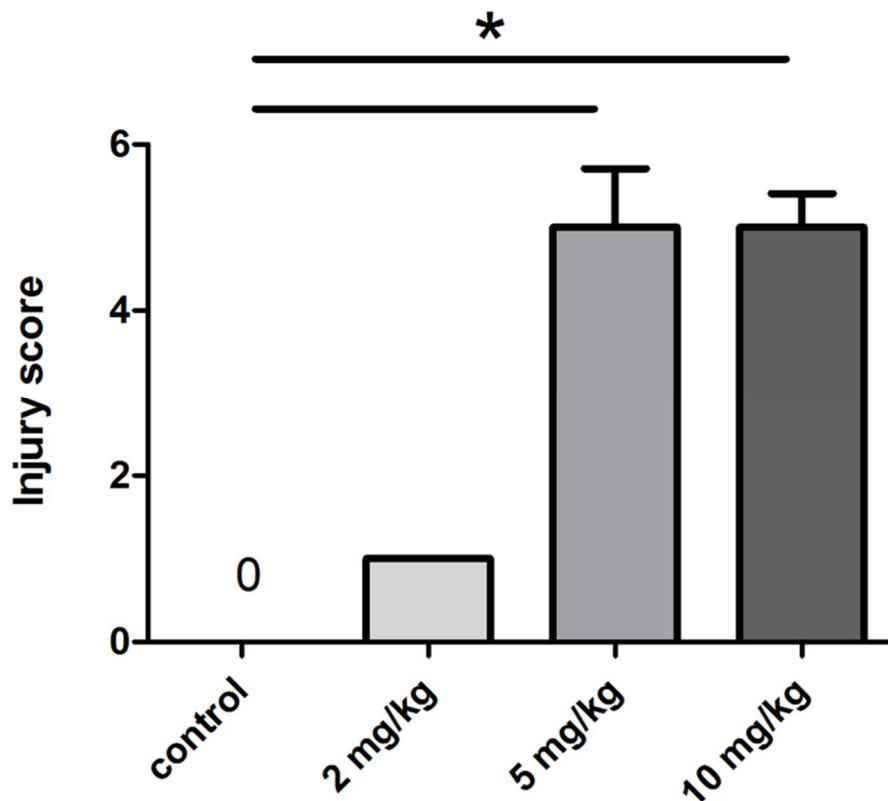


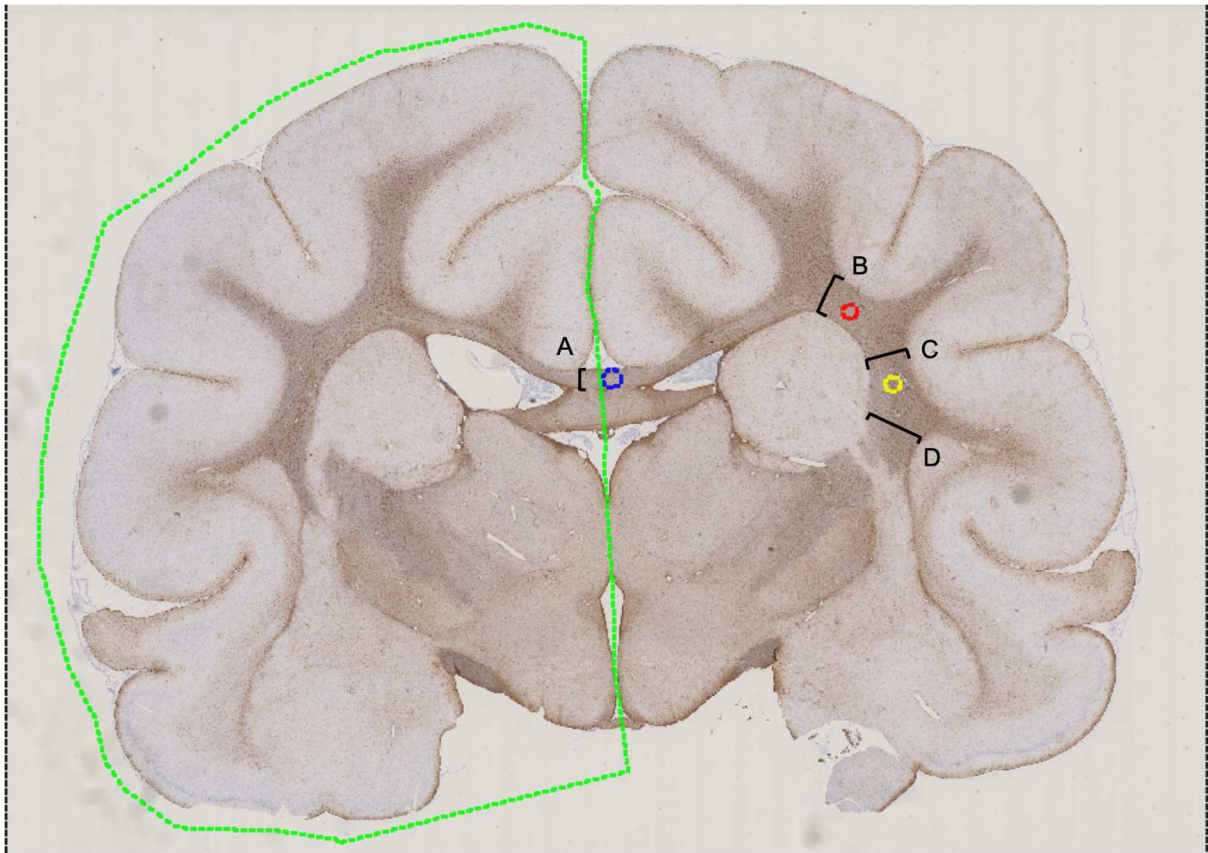
A Ferret Model of Encephalopathy of Prematurity

Supplemental Material

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Supplemental Figure 1. Injury after escalating LPS doses. Ferrets treated with three doses of 2 mg/kg (n=3), 5 mg/kg (n=4) and 10 mg/kg (n=4) every 12 h at P9-P10 before hypoxia/hyperoxia were examined histologically (H&E staining) at P12. Increased inflammation within the meninges and to a lesser degree the neuropil was observed in all dose groups compared to untreated controls (n=4). Score comparison revealed significant differences between 5 mg/kg LPS and control and 10 mg/kg LPS and control, but no significant difference between 5 mg/kg and 10 mg/kg doses of LPS (Figure 2D). At 5 mg/kg and 10 mg/kg, rare acute microhemorrhages characterized by small areas of extravascular red blood cells were noted.



Supplemental Figure 2. Quantitative immunohistochemistry. Representative GFAP image showing regions of interest as taken to analyze MBP, Olig2, and GFAP staining intensity for a total hemisphere (**green**), corpus callosum (**blue**), internal capsule 1 (**red**), and internal capsule 2 (**yellow**). For white matter thickness, the corpus callosum (**A**), and three levels of the internal capsule (**B-D**) were measured.