



Additional Figure 13: Representative Perl's iron staining images and MDA contents in brain tissue of the sham, 1 mm, and 2 mm groups under the condition of 5 m/s on day 30.

(A) Representative images of Perl's iron staining. (B) Integrated optic density of perl's iron staining (sham $n = 59$, 1 mm $n = 30$, 2 mm $n = 60$). (C) Proportion of brown yellow area of perl's iron staining (sham $n = 59$, 1 mm $n = 30$, 2 mm $n = 60$). (D) Statistics of MDA content in the injured area in Sham group, 1 mm group and 2 mm group ($n = 3$ for each group). The values are expressed in $\mu\text{mol/mg}$ protein. The data are expressed as mean \pm SEM. $*P < 0.05$, $**P < 0.01$, $***P < 0.001$ (one-way analysis of variance followed by Tukey's multiple comparisons test). MDA: Malondialdehyde.