



**Supplementary Figure 1:** Immunochemistry images of (A) HMGB1 expression in the hippocampus and TUNEL images and (B) the apoptosis rate of hippocampal cells in the sham, POCD, and Dex + POCD groups. Dex: Dexmedetomidine; HMGB1: High mobility group protein B1; POCD: Postoperative cognitive dysfunction.