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CORRECTION

Correction to: KCNQ1OT1 Exacerbates Ischemia–Reperfusion Injury Through Targeted Inhibition of miR-140-3P

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CORRECTION TO: INFLAMMATION (2020) 43(5):1832–1845
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After the publication of our article, we became aware that there were errors in Fig. 6 and Fig. 10b. Our figure in Fig. 6 was uploaded by mistake and the trend in Fig. 10b was wrong due to our carelessness. These errors do not affect the discussion or conclusions in the article. The correct versions of Fig. 6 and Fig. 10b are shown at the next page.

In addition, there is a mistake in the MATERIALS AND METHODS section:

Flow Cytometry

Cells were harvested 12 h post-OGD/R, digested with PBS containing 0.05% trypsin, then collected by centrifugation at 4 °C, and re-suspended in a binding buffer containing 1% Annexin V-FITC and 1% propidium iodide. The fluorescence intensity was measured using a BD FACSAria™ III sorter (Becton–Dickinson, Franklin Lakes, NJ, USA), after incubating cells at room temperature for 5 min in the dark.

SHOULD BE CHANGED TO:

Tunel Assay

Cell death was detected using TUNEL assay with an in situ apoptosis detection kit (Takara Bio Inc., Tokyo, Japan). Cell death was defined as the presence of nuclear condensation via 4′,6′-diamidino-2-phenylindole (DAPI) staining and TUNEL-positive cells within the brain tissues or PC12 cells. The proportion of the cells with TUNEL-positive cells in brain tissues and PC12 cells with TUNEL-positive cells were determined by examination at × 400 magnification.

Lastly, Flow cytometry was changed to Tunel assay in figure legends of Fig. 5a and Fig. 10a.

We apologise to the journal and to the readers for this error.

Fig. 5 KCNQ1OT1 knock-down protected cell from apoptosis post-OGD/R. a The level of apoptosis was detected by Tunel assay

Ming Yi and Yue Li contributed equally to this work.

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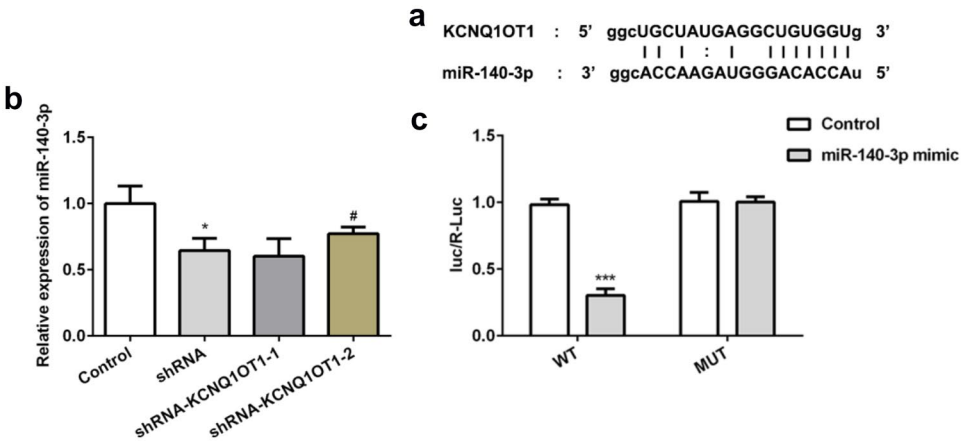

Fig. 6 Targeted inhibition of miR-140-3p by KCNQ1OT1. **a** A bioinformatic software DIANA-LncBase was used to predict the direct binding of KCNQ1OT1 with miR-140-3p. **b** RT-qPCR was used to detect the expression of miR-140-3p in cells. **c** Luciferase reporter gene assay was used to confirm the direct binding between KCNQ1OT1 and miR-140-3p. *$p < 0.05$, ***$p < 0.001$ vs control; #$p < 0.05$, ##$p < 0.01$ vs shRNA + OGD/R

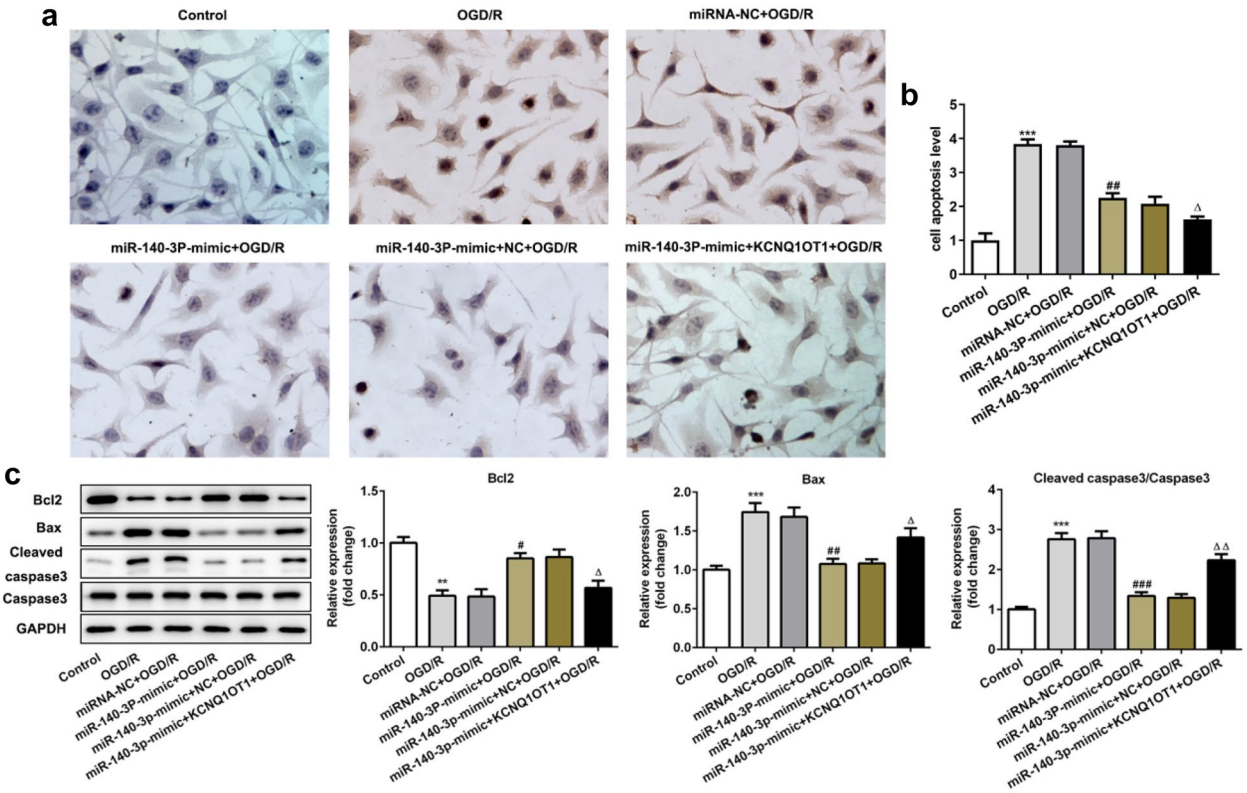

Fig. 10 miR-140-3p overexpression ameliorated the cell apoptosis post-OGD/R. **a** The level of apoptosis was detected by Tunel assay. **b** Statistical analysis of apoptosis. **c** Western blot assay was used to detect the expression of apoptotic proteins Bax, cleaved caspase3, caspase3, and Bcl-2. **$p < 0.01$, ***$p < 0.001$ vs control; #$p < 0.05$, ##$p < 0.01$, ###$p < 0.001$ vs miRNA-NC + OGD/R; $\Delta p < 0.05$, $\Delta\Delta p < 0.01$ vs miR-140-3p-mimic + NC + OGD/R