# Corrigendum: Neuroprotective Effects of Celastrol on Transient Global Cerebral Ischemia Rats via Regulating HMGB1/NF-κB Signaling Pathway

Bo Zhang [1,2†], Qi Zhong [1,3†], Xuhui Chen [2,4], Xi Wu [1,2], Rong Sha [5], Guizhi Song [6], Chuanhan Zhang [2*] and Xiangdong Chen [1*]

[1] Department of Anesthesiology, Union Hospital, Tongji Medical College, Huazhong University of Science and Technology, Wuhan, China, [2] Department of Anesthesiology, Tongji Hospital, Tongji Medical College, Huazhong University of Science and Technology, Wuhan, China, [3] Department of Anesthesiology, Zhongnan Hospital, Wuhan University, Wuhan, China, [4] Department of Ophthalmology, Tongji Hospital, Tongji Medical College, Huazhong University of Science and Technology, Wuhan, China, [5] Department of Rehabilitation Medicine, Enshi Autonomous Prefecture, Hospital of Traditional Chinese Medicine, Enshi, China, [6] Department of Quality Inspection, Wuhan Institute of Biological Products, Wuhan, China

**A Corrigendum on**

**Neuroprotective Effects of Celastrol on Transient Global Cerebral Ischemia Rats via Regulating HMGB1/NF-κB Signaling Pathway**

*by Zhang, B., Zhong, Q., Chen, X., Wu, X., Sha, R., Song, G., et al. (2020). Front. Neurosci. 14:847. doi: 10.3389/fnins.2020.00847*

In the original article, the image of Bax in **Figure 2E** was misused in the process of manuscript revision. Figure 3B (Iba-1) was inadvertently copied as **Figure 2E** (Bax). The corrected **Figure 2E** appears below.

The authors apologize for this error and state that this does not change the scientific conclusions of the article in any way. The original article has been updated.
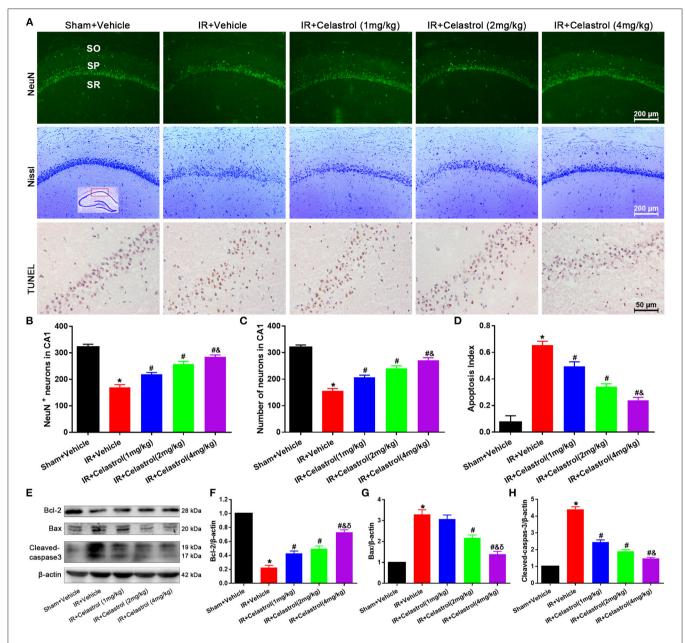
**FIGURE 2 |** Celastrol inhibits apoptotic hippocampal neuronal death. **(A)** Representative images of NeuN immunofluorescent staining sections (first row), cresyl violet-stained sections (second row) and TUNEL-stained sections (third row) in hippocampal CA1 region of tGCI/R rats, the built-in schematic diagram with red rectangular shows the area that we analyzed. Data were obtained from 4 independent animals, and the results of a typical experiment are exhibited. Scale bar = 200 μm. SO, stratum orients; SP, stratum pyramidal; SR, stratum radium. **(B)** Quantitative analysis of NeuN positive neurons. **(C)** Quantitative analysis of Nissl-positive neurons **(D)** The apoptosis index of hippocampal CA1 neurons. **(E–H)** Western blot analysis of apoptosis-related proteins Bcl-2, Bax and cleaved-caspase-3, β-actin was used as an internal control. The error bars represent mean ± S.E.M ($n = 4$, $^*P < 0.05$ vs. Sham + Vehicle group; $^\#P < 0.05$ vs. IR+ Vehicle group; $^\&P < 0.05$ vs. IR + Celastrol (1 mg/kg) group; $^\delta P < 0.05$ vs. IR + Celastrol (2 mg/kg) group).