



## Correction to: Glioma cells escaped from cytotoxicity of temozolomide and vincristine by communicating with human astrocytes

Weiliang Chen<sup>1,2</sup> · Donghai Wang<sup>1</sup> · Xinwen Du<sup>3</sup> · Ying He<sup>2</sup> · Songyu Chen<sup>1,2</sup> · Qianqian Shao<sup>2</sup> · Chao Ma<sup>2</sup> · Bin Huang<sup>1</sup> · Anjing Chen<sup>1</sup> · Peng Zhao<sup>1</sup> · Xun Qu<sup>2</sup> · Xingang Li<sup>1</sup>

© Springer Science+Business Media, LLC, part of Springer Nature 2021

**Correction to: Medical Oncology (2015) 32:43**  
<https://doi.org/10.1007/s12032-015-0487-0>

The original version of this article unfortunately contained a mistakes in Fig. 3c. The correct Fig. 3c is given below.

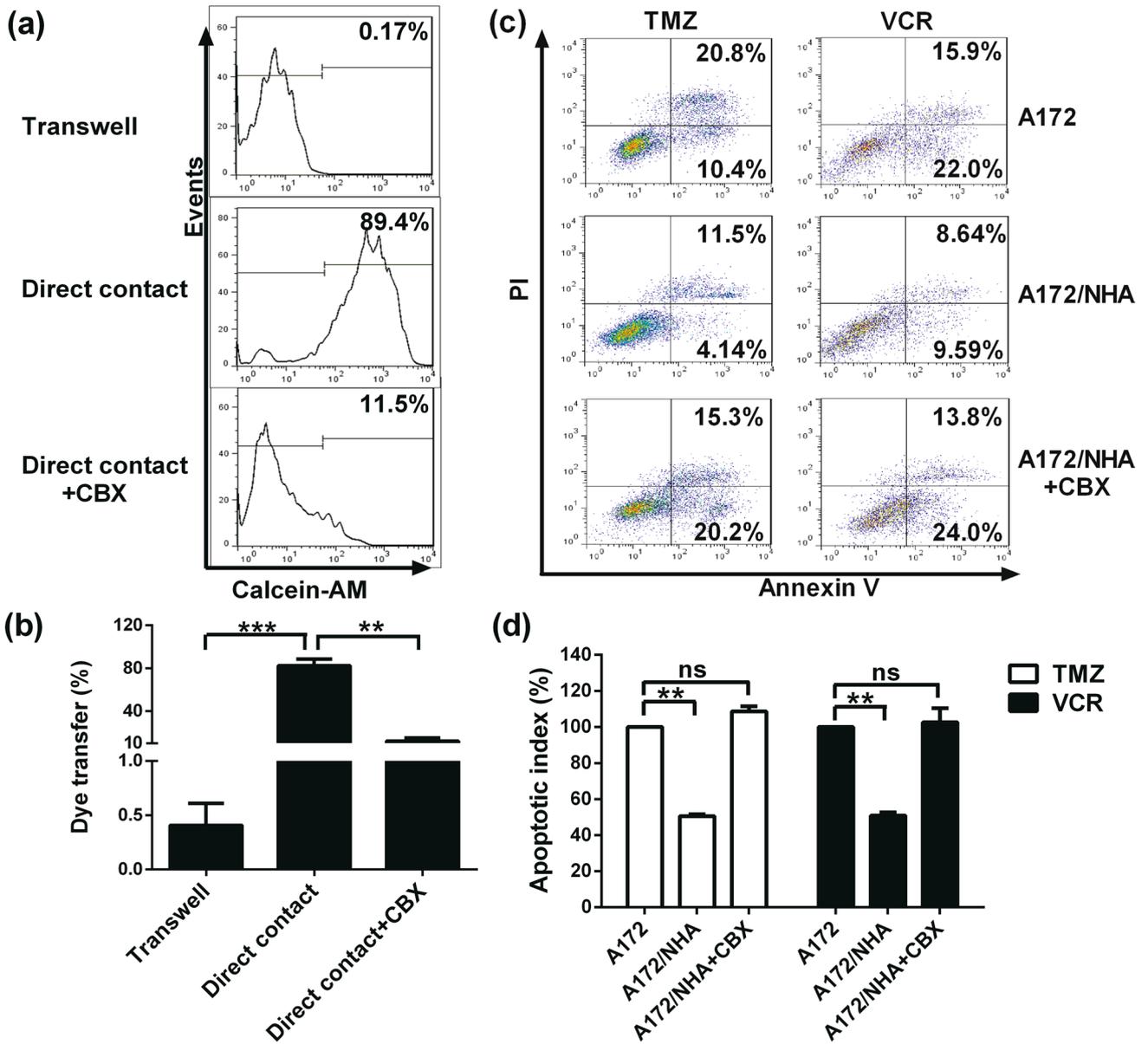
---

The original article can be found online at <https://doi.org/10.1007/s12032-015-0487-0>.

---

✉ Xingang Li  
lixg@sdu.edu.cn

- <sup>1</sup> Department of Neurosurgery, Qilu Hospital of Shandong University and Brain Science Research Institute, Shandong University, Jinan 250012, China
- <sup>2</sup> Institute of Basic Medical Sciences, Qilu Hospital of Shandong University, Jinan, China
- <sup>3</sup> Department of Pediatric Surgery, Laizhou People's Hospital, Yantai, China



**Fig. 3** Gap junctional communication (GJC) between glioma cells and astrocytes is required for protection from apoptosis. **a, b** Glioma cells and astrocytes formed functional GJCs, as measured through a dye transfer assay. A172 cells labeled with membrane-bound DiIC18 dye and NHA labeled with calcein-AM were co-cultured in different culture systems. After co-culturing for 6 h, the cells were harvested and analyzed by flow cytometry. CBX (100  $\mu$ M) was used to inhibit GJC. A172 cells were analyzed for calcein-AM fluorescence under

the DiIC18-positive gate (**a**). The dye transfer was determined by the calcein-positive fraction of DiIC18-positive A172 cells (**b**). **c, d** CBX treatment reversed the decrease in apoptosis of glioma cells protected by directly co-cultured astrocytes. When indicated, the direct contact co-cultured NHA and A172 cells were pre-incubated with CBX for 1 h before TMZ or VCR addition. All data are the mean  $\pm$  SD of three independent experiments; \*\* $p$  < 0.01; \*\*\* $p$  < 0.001

**Publisher's Note** Springer Nature remains neutral with regard to jurisdictional claims in published maps and institutional affiliations.