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# Corrigendum: brain microvascular endothelial cell-derived HMGB1 facilitates monocyte adhesion and transmigration to promote JEV neuroinvasion

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## KEYWORDS

transmigration, adhesion, monocyte, HMGB1, Japanese encephalitis virus (JEV), neuroinvasion

## A Corrigendum on

**Brain Microvascular Endothelial Cell-Derived HMGB1 Facilitates Monocyte Adhesion and Transmigration to Promote JEV Neuroinvasion**

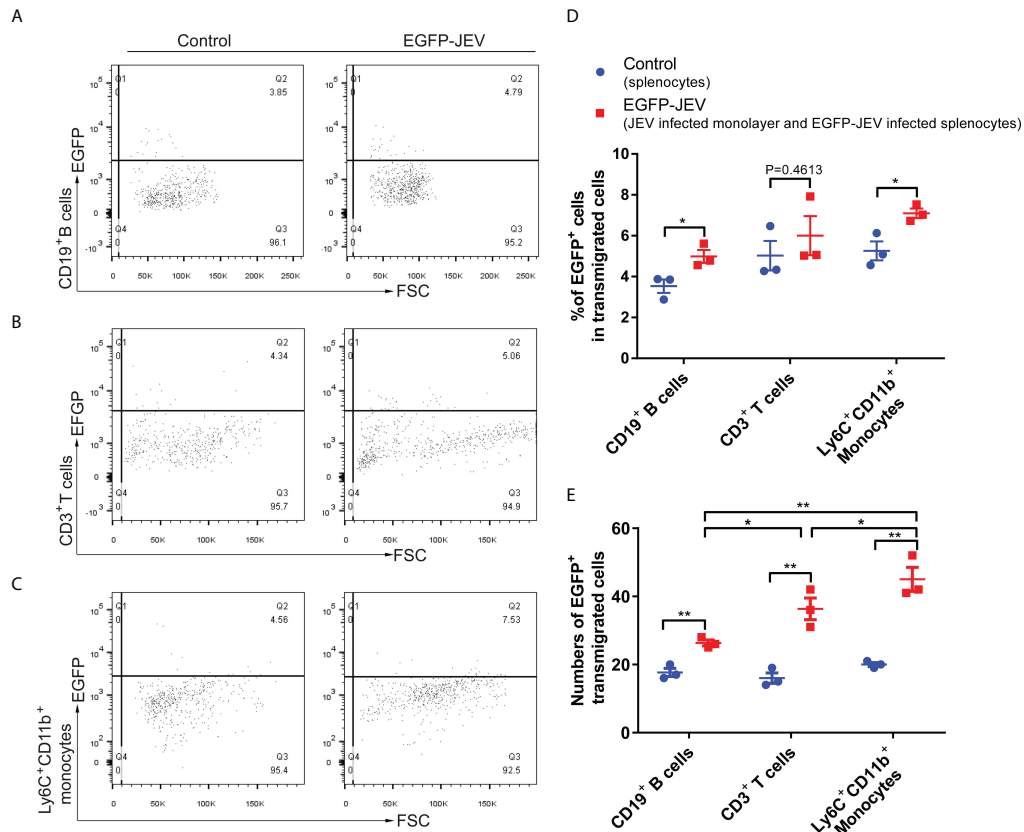
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In the original article, there was a mistake in **Figures 5D–E** as published. **Images repeated of Figures 5D–E**. The corrected **Figure 5** appears below.

In the original article, there was an error in the description of **Figure 5D**.

A correction has been made to Results, *Extracellular HMGB1 Facilitated Transendothelial Migration of JEV-Infected Monocytes*, \*\*paragraph 3:

To discover which cells act as virus carriers, JEV with an EGFP tag (EGFP-JEV) was applied to visualize cell transmigration. There was an increased percentage of EGFP-positive Ly6C<sup>+</sup>CD11b<sup>+</sup> monocytes, CD3<sup>+</sup> T cells, and CD19<sup>+</sup> B cells that transmigrated, compared with the control cells (**Figures 5A–C**). Furthermore, there were significantly more transmigrated JEV-positive (EGFP<sup>+</sup>Ly6C<sup>+</sup>CD11b<sup>+</sup>) monocytes than transmigrated JEV-positive T cells (EGFP<sup>+</sup>CD3<sup>+</sup>) or B cells (EGFP<sup>+</sup>CD19<sup>+</sup>) (**Figures 5D, E**).



**FIGURE 5** Virus-carrying splenocyte transmigration in vitro. (A–C) JEV-infected bEnd.3 cell monolayers were cocultured with EGFP-JEV-infected splenocytes ( $5 \times 10^5$ ) for 24 h, and the transmigrated cells (lower chamber) were collected and measured by flow cytometry. An enhanced sensitivity measure at 488 nm was performed for the detection of intracellular EGFP-JEV in CD19<sup>+</sup> B cells, CD3<sup>+</sup> T cells, and Ly6C<sup>+</sup> CD11b<sup>+</sup> monocytes by flow cytometry. EGFP-JEV free cells were the nonspecific control. (D, E) The statistical analysis of EGFP-positive cells in the transmigrated cells in the lower chamber reported in (A–C). The experiments were repeated at least three times. The data are expressed as the means  $\pm$  SEM.  $p > 0.05$  (ns, no significant difference),  $*p < 0.05$  and  $**p < 0.01$ .

The authors apologize for these errors and state that this does not change the scientific conclusions of the article in any way. The original article has been updated.

### Conflict of interest

The authors declare that the research was conducted in the absence of any commercial or financial relationships that could be construed as a potential conflict of interest.

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