


**AUTHOR CORRECTION**      **OPEN**

# Author Correction: Ammonia promotes the proliferation of bone marrow-derived mesenchymal stem cells by regulating the Akt/mTOR/S6k pathway

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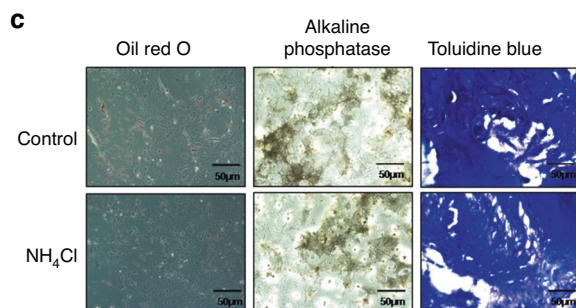
*Bone Research* (2024)12:9

; <https://doi.org/10.1038/s41413-024-00314-y>

Correction to: *Bone Research* <https://doi.org/10.1038/s41413-022-00215-y>, published online 26 August 2022

After online publication of the article, the authors identified inadvertent mistakes occurred in Fig. 1 that requires correction. In Figure 1c two micrographs have been duplicated and presented with different experimental conditions. The revisions cause some changes but do not affect any conclusions of the current work and the description of the whole article.

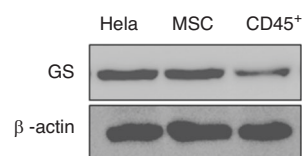
The correct Figure 1c and the accompanying legend appear below:



**Fig. 1c.** Isolation and identification of mesenchymal stem cells from mouse bone marrow. **c.** Adipogenesis of MSCs was observed with Oil red O staining, osteoblastogenesis was assayed with in situ alkaline phosphatase staining, and chondrocytic cells were identified with toluidine blue staining.

After online publication of the article, the authors identified inadvertent mistakes occurred in Fig. 5 that requires correction. The original version of this article contains an error in Figure 5d and 6c, a western immunoblot has been duplicated and presented with different experimental conditions. The revisions cause some changes but do not affect any conclusions of the current work and the description of the whole article.

The correct Figure 5d and the accompanying legend appear below:



**Fig. 5d.** The different effects of ammonia on GS-expressing cells and cells with no expression of GS in bone marrow. **d.** The expression of GS analysis between MSCs and CD45<sup>+</sup> cells via western blot, with HeLa cells as a positive control.

The original article<sup>1</sup> has been updated.

## REFERENCE

1. Liu, Y., Zhang, X. & Wang, W. et al. Ammonia promotes the proliferation of bone marrow-derived mesenchymal stem cells by regulating the Akt/mTOR/S6k pathway. *Bone Res.* **10**, 57, <https://doi.org/10.1038/s41413-022-00215-y> (2022).



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