

CORRIGENDUM

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***Panax notoginseng* saponins prevent senescence and inhibit apoptosis by regulating the PI3K-AKT-mTOR pathway in osteoarthritic chondrocytes**

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Following the publication of the above article, the authors have realized that the first author, who analyzed the data, inadvertently made a mistake by over-estimating the background of the blots in calculating the intensity of the histograms for the western blots shown in Fig. 6A and E. This error led to subsequent differences in the actual quantification and statistics from the originally submitted results. Accordingly, to further verify the conclusions reported in the study, the authors repeated these experiments independently, and the results were found to be consistent with the same changes in trends as originally observed.

The revised version of Fig. 6, containing the new western blot data for Fig. 6A and E and new histograms showing the quantification of these data, is shown on the next page. The authors are grateful to the Editor of *International Journal of Molecular Medicine* for allowing them the opportunity to publish this Corrigendum, and apologize to the readership for any inconvenience caused.



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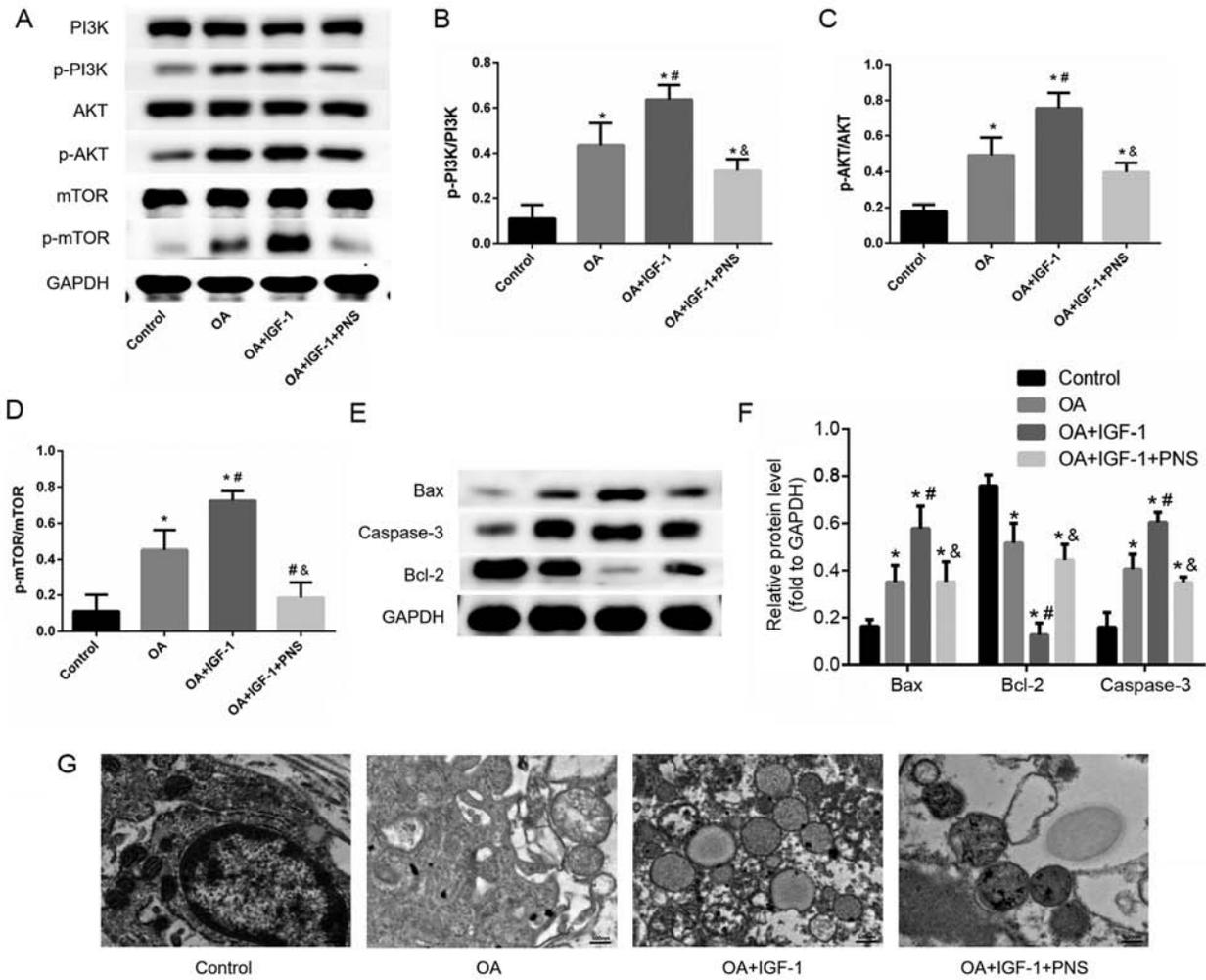


Figure 6. PNS regulates the expression levels of PI3K/AKT/mTOR signaling pathway and ultrastructural changes in articular cartilage. (A) Western blotting and quantification of (B) PI3K, p-PI3K, (C) AKT, p-AKT, (D) mTOR and p-mTOR levels were estimated using western blotting in rat articular cartilage and were quantified. (E) The expression of apoptosis-related proteins caspase-3 and Bax, anti-degradation proteins Bcl-2 and (F) quantification. (G) Transmission electron microscopy showing ultrastructural changes in chondrocytes (magnification, $\times 100,000$). The data are expressed as the means \pm standard deviation ($n=3$). * $P<0.05$ vs. control; # $P<0.05$ vs. OA and $P<0.05$ vs. OA+IGF-1. PI3K, phosphatidylinositol 3-kinase; p, phosphorylated; Akt, protein kinase B; mTOR, mammalian target of rapamycin; OA, osteoarthritis; PNS, *Panax notoginseng* saponins.