

Erratum to activation of the extracellular-signal-regulated kinase (ERK)/c-Jun N-terminal kinase (JNK) signal pathway and osteogenic factors in subchondral bone of patients with knee osteoarthritis

Editorial Office

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Erratum to: Ann Transl Med 2021;9:663.

This article (1) titled “Activation of the extracellular-signal-regulated kinase (ERK)/c-Jun N-terminal kinase (JNK) signal pathway and osteogenic factors in subchondral bone of patients with knee osteoarthritis” (doi: 10.21037/atm-21-1215), unfortunately, contains errors in *Figure 5* and its legend, the citation of *Figure 5* in the Results section and misuse of the word “mice” or “mouse” in the article. Corrections are presented below.

Corrected *Figure 5* and its legend

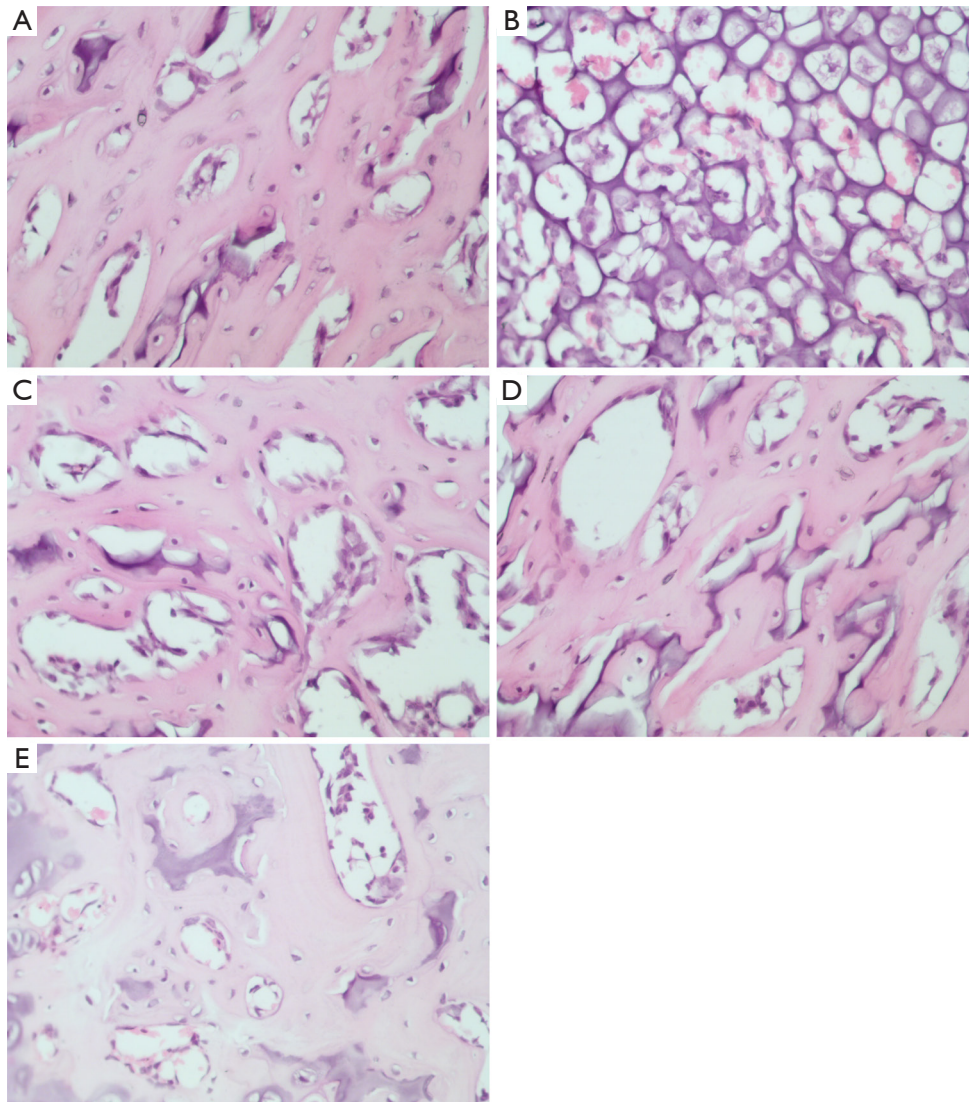


Figure 5 HE staining results of subchondral bone cells in rat knee joints ($\times 200$). (A) Knee subchondral bone cells of normal rat; (B) 2-week knee OA rat model knee joint subchondral bone cells; (C) 4-week knee OA rat model knee joint subchondral bone cells; (D) 6-week knee OA rat model knee joint subchondral bone cells; (E) 8-week knee OA rat model knee joint subchondral bone cells. HE, hematoxylin and eosin; OA, osteoarthritis.

In the section of Results

Observation of serum and subchondral bone immunity in rat OA model

HE staining observation should be corrected as follows:

In normal rat, the subchondral bone cells of the knee joint were arranged in an orderly manner, number was normal, there was no fibrous tissue proliferation, and none or occasional infiltration of lymphocytes and monocytes (*Figure 5A*). In the 2-week model rat, the arrangement of knee joint subchondral osteocytes was slightly disordered, and a small amount of fibrous tissue was occasionally infiltrated with lymphocytes and monocytes (*Figure 5B*). In the 4-week model rat, knee joint subchondral

osteocytes were reduced, cell arrangement was disordered, fibrous tissue formation could be seen, and some lymphocytes and monocyte infiltration were apparent (*Figure 5C*). In the 6-week model rat, knee joint subchondral bone cells were significantly reduced, cell arrangement was disordered, fibrous tissue was more than that of 4-week model rat, lymphocyte and monocyte infiltration was visibly greater than in the 4-week model rat (*Figure 5D*). In the 8-week model rat, the knee joint subchondral bone cells were significantly reduced, the cell arrangement was disordered, there was more fibrous tissue proliferation, and more visible infiltration of lymphocytes and monocytes (*Figure 5E*).

Furthermore, the word “mice” or “mouse” presented in this article should be changed to “rat”.

The authors apologize for the oversight.

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References

1. Xu Y, Gu Y, Ji W, et al. Activation of the extracellular-signal-regulated kinase (ERK)/c-Jun N-terminal kinase (JNK) signal pathway and osteogenic factors in subchondral bone of patients with knee osteoarthritis. *Ann Transl Med* 2021;9:663.

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