# CORRECTION Open Access

# Correction: Comparison of chondrogenesis-related biological behaviors between human urine-derived stem cells and human bone marrow mesenchymal stem cells from the same individual

Jiachen Sun<sup>1†</sup>, Fei Xing<sup>1†</sup>, Min Zou<sup>2</sup>, Min Gong<sup>3</sup>, Lang Li<sup>4\*</sup> and Zhou Xiang<sup>1\*</sup>

## Correction to: Stem Cell Research & Therapy (2021) 12:366 https://doi.org/10.1186/s13287-021-02370-1

In the article titled "Comparison of Chondrogenesis-Related Biological Behaviors Between Human Urine-Derived Stem Cells and Human Bone Marrow Mesenchymal Stem Cells from the Same Individual" [1], we notice these following errors:

(i) The image in Fig. 2A of hUSCs at P7 was overlaid with the image of hUSCs at P5 when we rearranged the image layout.

(ii) The image in the first row in Fig. 5C is not the image of hUSCs at P3 growing on an acellular cartilage matrix scaffold. We made an error while renaming the image during file transfer.

The corrected figures are shown herein.

The original article can be found online at https://doi.org/10.1186/s13287-021-02370-1.

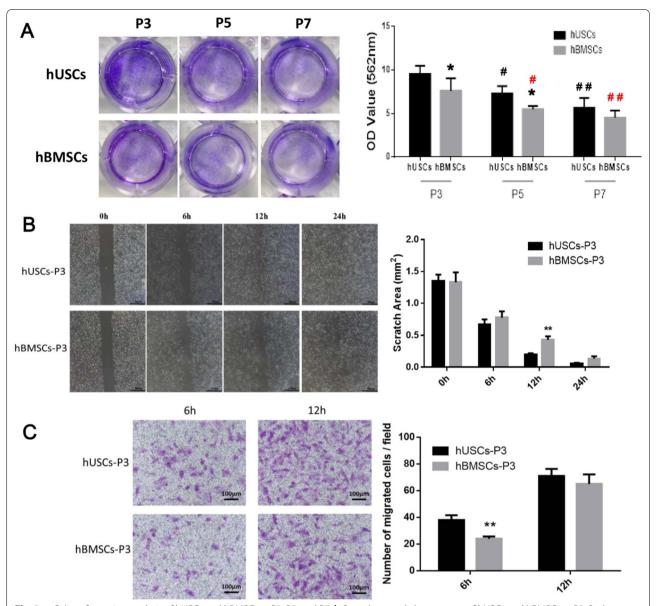
†Jiachen Sun and Fei Xing contributed equally to this work

\*Correspondence: lilang84@126.com; xiangzhou15@hotmail.com

<sup>1</sup> Department of Orthopedics, West China Hospital, Sichuan University, Guoxue Lane 37, Chengdu, Sichuan 610041, People's Republic of China <sup>4</sup> Department of Orthopaedics, Hospital of Chengdu Office of People's Government of Tibetan Autonomous Region, NO.20 Ximianqiao Cross Street, Chengdu, Sichuan 610041, People's Republic of China Full list of author information is available at the end of the article

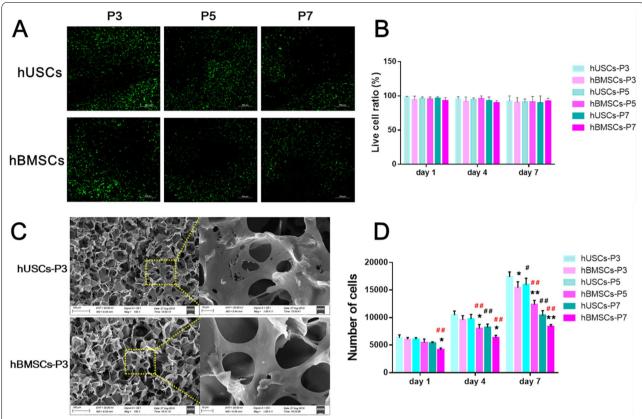


© The Author(s) 2022. **Open Access** This article is licensed under a Creative Commons Attribution 4.0 International License, which permits use, sharing, adaptation, distribution and reproduction in any medium or format, as long as you give appropriate credit to the original author(s) and the source, provide a link to the Creative Commons licence, and indicate if changes were made. The images or other third party material in this article are included in the article's Creative Commons locence, unless indicated otherwise in a credit line to the material. If material is not included in the article's Creative Commons licence and your intended use is not permitted by statutory regulation or exceeds the permitted use, you will need to obtain permission directly from the copyright holder. To view a copy of this licence, visit http://creativecommons.org/licenses/by/4.0/. The Creative Commons Public Domain Dedication waiver (http://creativecommons.org/publicdomain/zero/1.0/) applies to the data made available in this article, unless otherwise stated in a credit line to the data.



**Fig. 2** a Colony formation analysis of hUSCs and hBMSCs at P3, P5, and P7. **b** Scratch wound closure assay of hUSCs and hBMSCs at P3. Scale bar =  $500 \mu m$ . **c** Transwell migration assay of hUSCs and hBMSCs at P3. Scale bar =  $100 \mu m$ . \*p < 0.05 and \*\*p < 0.01, hBMSCs compared to hUSCs at the same passage; #p < 0.05 and ##p < 0.01, hUSCs compared to hUSCs at P3.

Sun et al. Stem Cell Research & Therapy



**Fig. 5 a** Live (green) and dead (red) cells of hUSCs and hBMSCs cultured on scaffolds after 3 days, via live-dead staining. **b** Live cell ratio in live-dead staining results. **c** SEM images of cell adhesion on scaffolds after seeding for 3 days. The scale bars are 100 μm in low magnification images and 10 μm in high magnification images. **d** Cell proliferation of cells cultured on scaffolds after 1, 4, and 7 days, via the detection of DNA content. \*p < 0.05 and \*\*p < 0.01, hBMSCs compared to hUSCs at the same passage; #p < 0.05 and ##p < 0.01 in red, hBMSCs compared to hBMSCs at P3.

### **Author details**

<sup>1</sup>Department of Orthopedics, West China Hospital, Sichuan University, Guoxue Lane 37, Chengdu, Sichuan 610041, People's Republic of China. <sup>2</sup>Department of Orthopedics, NO. 1 People's Hospital of Chengdu, Chengdu, Sichuan 610016, People's Republic of China. <sup>3</sup>Department of Orthopedics, Hospital of Chengdu University of Traditional Chinese Medicine, Chengdu, Sichuan 610075, People's Republic of China. <sup>4</sup>Department of Orthopaedics, Hospital of Chengdu Office of People's Government of Tibetan Autonomous Region, NO.20 Ximianqiao Cross Street, Chengdu, Sichuan 610041, People's Republic of China.

Published online: 09 November 2022

### Reference

 Sun J, Xing F, Zou M, Gong M, Li L, Xiang Z. Comparison of chondrogenesis-related biological behaviors between human urine-derived stem cells and human bone marrow mesenchymal stem cells from the same individual. Stem Cell Res Ther. 2021;12:366.

### **Publisher's Note**

Springer Nature remains neutral with regard to jurisdictional claims in published maps and institutional affiliations.