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CORRECTION

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Correction to: CCR9 initiates epithelial–mesenchymal transition by activating Wnt/β-catenin pathways to promote osteosarcoma metastasis

Haoran Kong[1†], Wenhui Yu[2†], Zhuning Chen[1,2†], Haonan Li[2], Guiwen Ye[2], Jiacong Hong[2], Zhongyu Xie[2], Keng Chen[2*], Yanfeng Wu[3*] and Huiyong Shen[1,2*]

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In this article [1], the annotation was wrong in Fig. 5B and in Fig. 6C, the figure of HOS cells treated by OE-CCR9 + XAV 939 at 0 h was wrong. The revised Figure 5 and its legend and Figure 6 are given below.

The original article can be found online at https://doi.org/10.1186/s12935-021-02320-0.

*Correspondence: 47948842@qq.com; wuyf@mail.sysu.edu.cn; shenhuiy@mail.sysu.edu.cn
†Haoran Kong, Wenhui Yu and Zhuning Chen have contributed equally to this work
[2] Department of Orthopedics, The Eighth Affiliated Hospital, Sun Yat-Sen University, No. 3025, Shennan Middle Road, Futian District, Shenzhen, Guangdong 518033, People's Republic of China
[3] Center for Biotherapy, The Eighth Affiliated Hospital, Sun Yat-Sen University, No. 3025, Shennan Middle Road, Futian District, Shenzhen, Guangdong 518033, People's Republic of China
Full list of author information is available at the end of the article

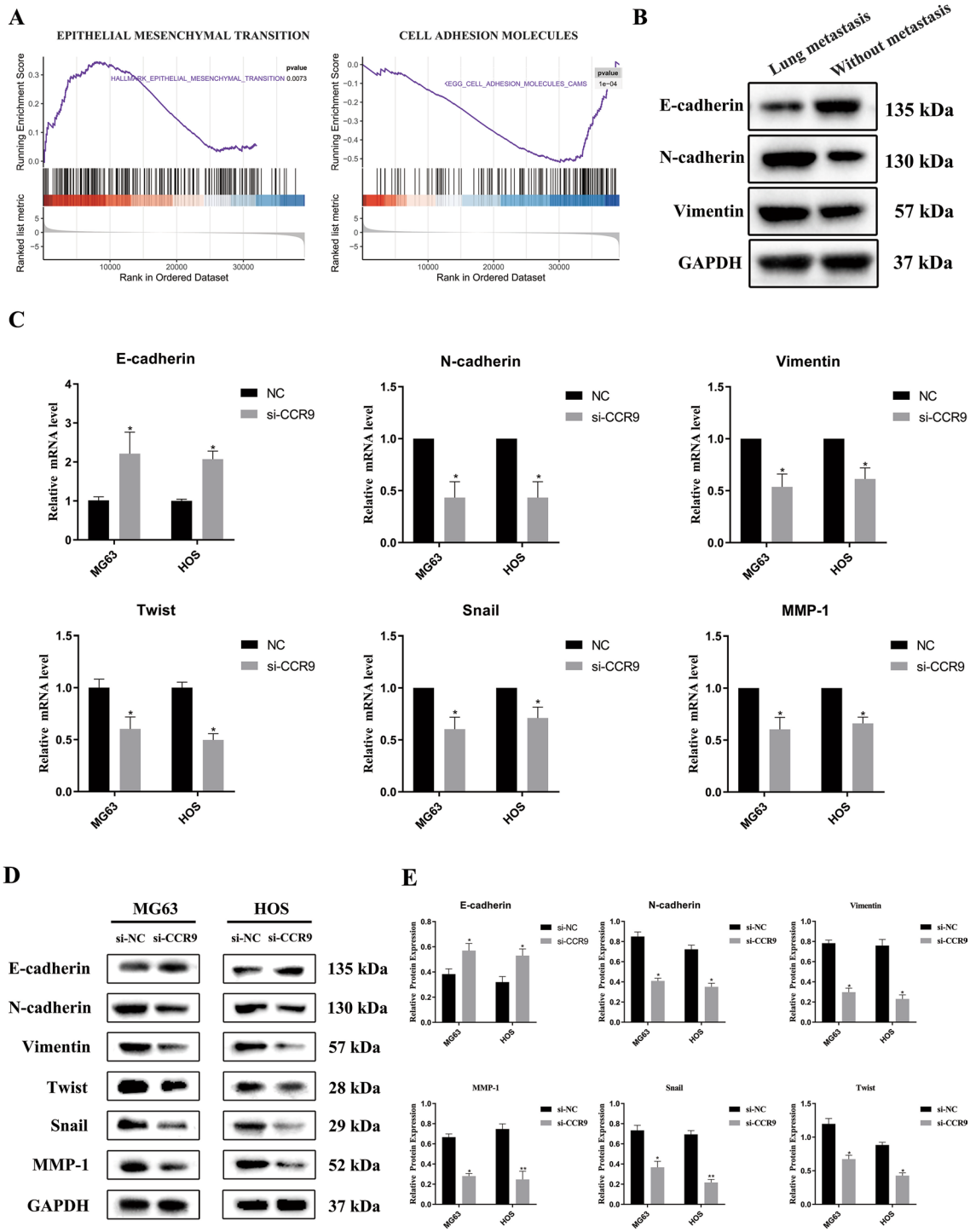

Fig. 5 **a** The GSEA results showed significant enrichment of the gene signature associated with EMT and cell adhesion molecules. **b** The protein expression level of E-cadherin was lower in OS tissues with lung metastasis, and the expression of N-cadherin and Vimentin was upregulated. **c** The expression N-cadherin, vimentin, twist, snail and MMP-1, was obviously downregulated, and E-cadherin expression was significantly upregulated in si-CCR9 group. **d** The protein expression levels of EMT-related markers in MG63 and HOS cells. **e** Quantitative data for the protein expression levels of EMT-related markers. Mean ± SD from three independent experiments. *$P < 0.05$; **$P < 0.01$; ***$P < 0.001$

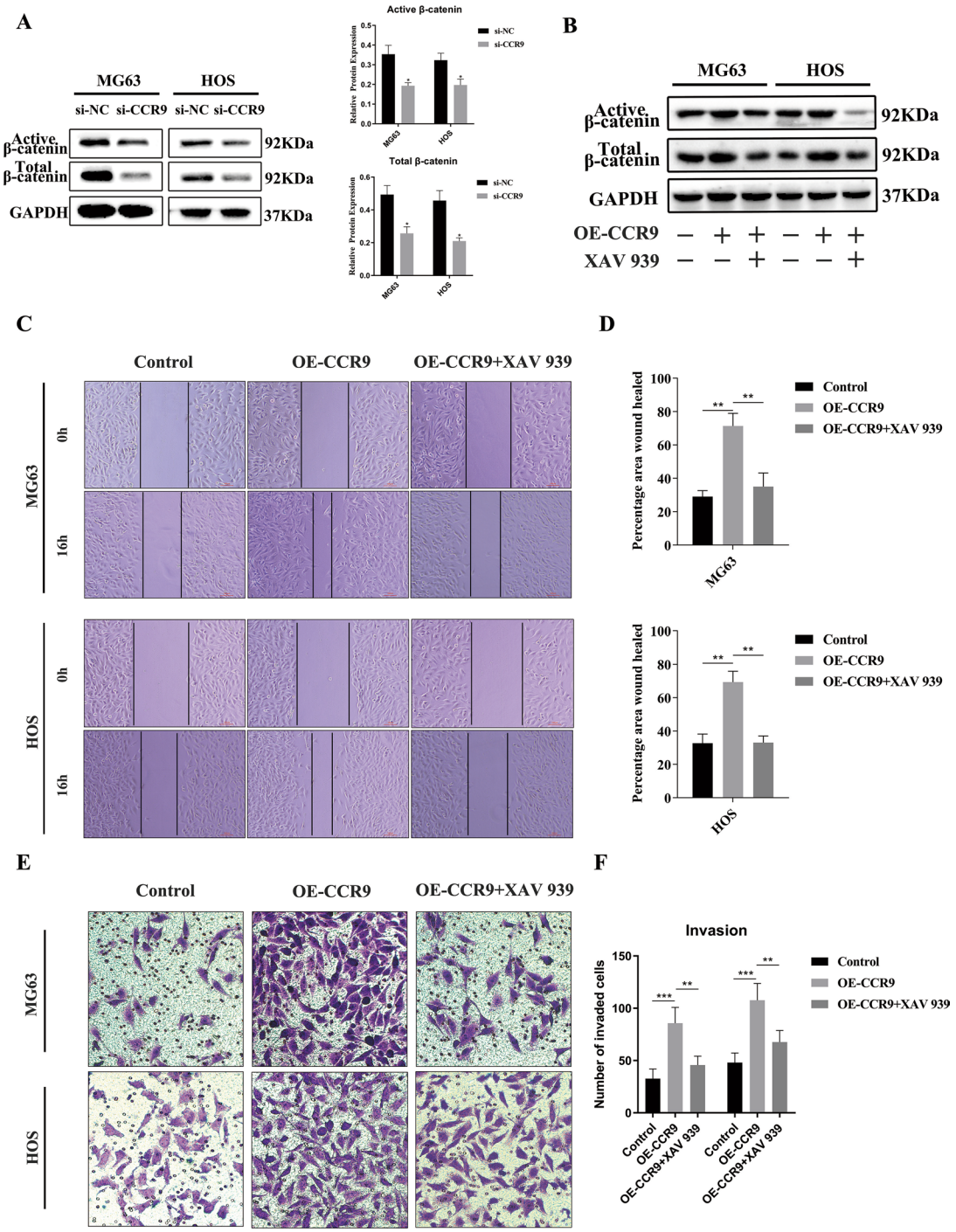

Fig. 6 **a** The protein expression levels of active β-catenin and total β-catenin were downregulated in si-CCR9 group. **b** The protein expression levels and quantitative data of active β-catenin and total β-catenin in MG63 and HOS cells were shown. Overexpression of CCR9 activated the Wnt/β-catenin pathway, and the Wnt signaling inhibitor XAV-939 counteracted the activation. **c** Cell migration assay of MG63 and HOS cells. Overexpression of CCR9 increased the wound healing rate and the inhibitor of XAV-939 inhibited this effect. **d** Quantification of the area percentage of wound healing. **e** Transwell invasion assay of MG63 and HOS cells. Overexpression of CCR9 promoted the invasion ability and the inhibitor of XAV-939 inhibited this effect. **f** Quantitative results of the Transwell migration and invasion assays. Mean ± SD from three independent experiments. $^{*}P < 0.05$; $^{**}P < 0.01$; $^{***}P < 0.001$

Author details
[1]Department of Orthopedics, Sun Yat-Sen Memorial Hospital, Sun Yat-Sen University, Guangzhou, People's Republic of China. [2]Department of Orthopedics, The Eighth Affiliated Hospital, Sun Yat-Sen University, No. 3025, Shennan Middle Road, Futian District, Shenzhen, Guangdong 518033, People's Republic of China. [3]Center for Biotherapy, The Eighth Affiliated Hospital, Sun Yat-Sen University, No. 3025, Shennan Middle Road, Futian District, Shenzhen, Guangdong 518033, People's Republic of China.

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