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# Corrigendum: Dihydrocapsaicin inhibits cell proliferation and metastasis in melanoma *via* down-regulating $\beta$ -catenin pathway

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## KEYWORDS

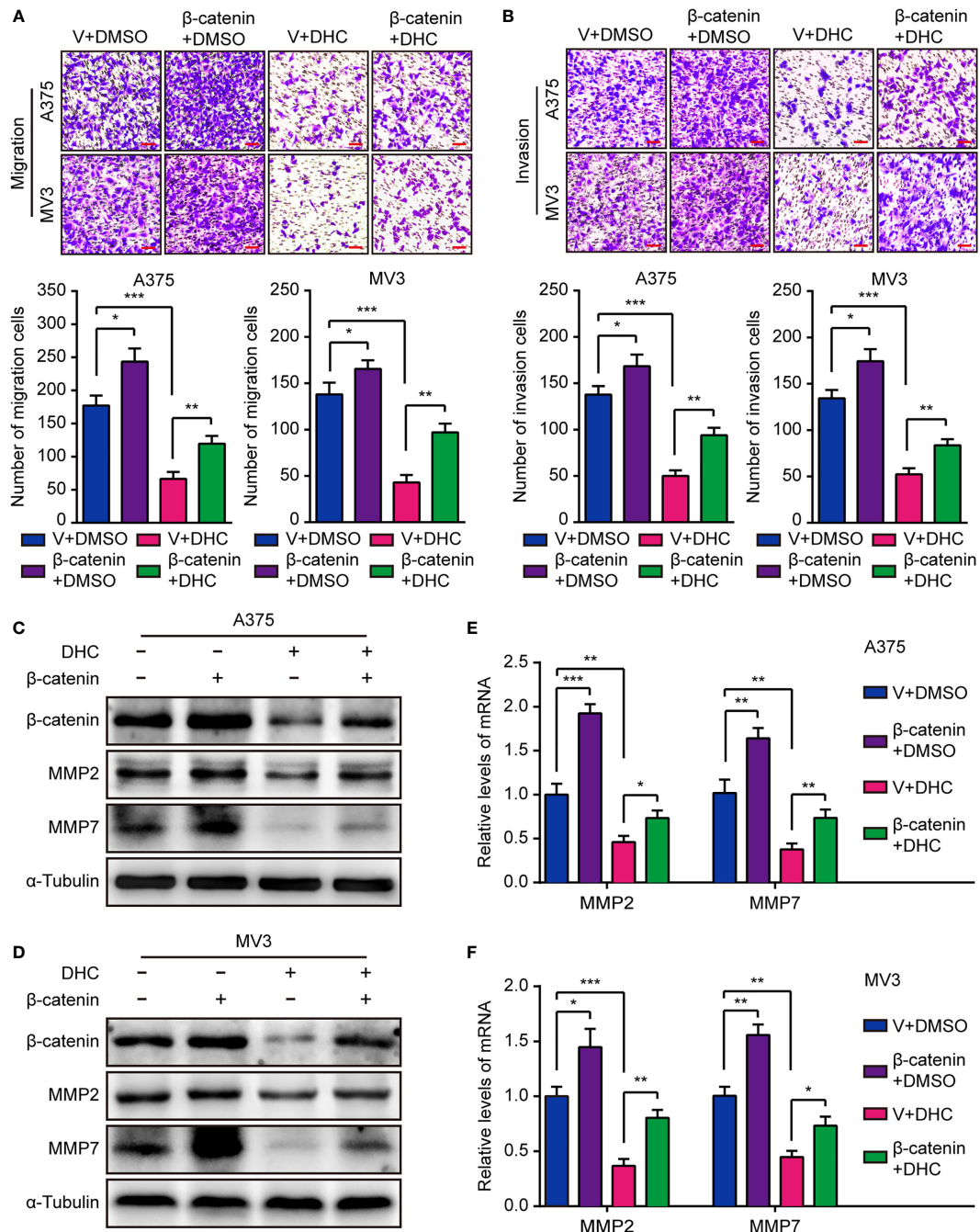
dihydrocapsaicin, melanoma, cell proliferation, metastasis,  $\beta$ -catenin, ubiquitination

## A corrigendum on

**Dihydrocapsaicin inhibits cell proliferation and metastasis in melanoma *via* down-regulating  $\beta$ -catenin pathway**

by Shi S, Li C, Zhang Y, Deng C, Liu W, Du J, Li Q, Ji Y, Guo L, Liu L, Hu H, Liu Y and Cui H  
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In the original article, there were mistakes in [Figures 5 and 6](#) as published. We found that the migration transwell assay image of “A375-Vector+DMSO” in [Figure 5A](#), invasion transwell assay images of “A375-Vector+DHC”, “MV3- $\beta$ -catenin+DHC” in [Figure 5B](#), and soft agar assay image of “A375-Vector+DHC” in [Figure 6A](#) were inadvertently presented with incorrect pictures. The corrected [Figures 5](#) and its caption “Overexpression of  $\beta$ -catenin retrieves DHC-induced cell migration and invasion inhibition. (A, B) Migration and invasion transwell assays were performed in  $\beta$ -catenin/vector overexpressed A375 and MV3 cells treated with 100  $\mu$ M DHC. Scale bar, 100  $\mu$ m. (C, D) The protein expression of  $\beta$ -catenin, MMP2 and MMP7 in  $\beta$ -catenin/vector overexpressed A375 and MV3 cells treated with 100  $\mu$ M DHC for 48 h. (E, F) The mRNA expression of MMP2 and MMP7 in  $\beta$ -catenin/vector overexpressed A375 and MV3 cells treated with 100  $\mu$ M DHC for 48 h. \* $P < 0.05$ ; \*\* $P < 0.01$ ; \*\*\* $P < 0.001$ ” and [Figure 6](#) and its caption “Overexpression of  $\beta$ -catenin retrieves DHC-induced inhibition of tumor growth and pulmonary metastasis of melanoma cells. (A) Colonies generated by  $\beta$ -catenin/vector overexpressed A375 and MV3 cells after treatment with 100  $\mu$ M DHC for 3 weeks. Scale bar, 1 mm. (B) Tumor volume of  $\beta$ -catenin/vector overexpressed

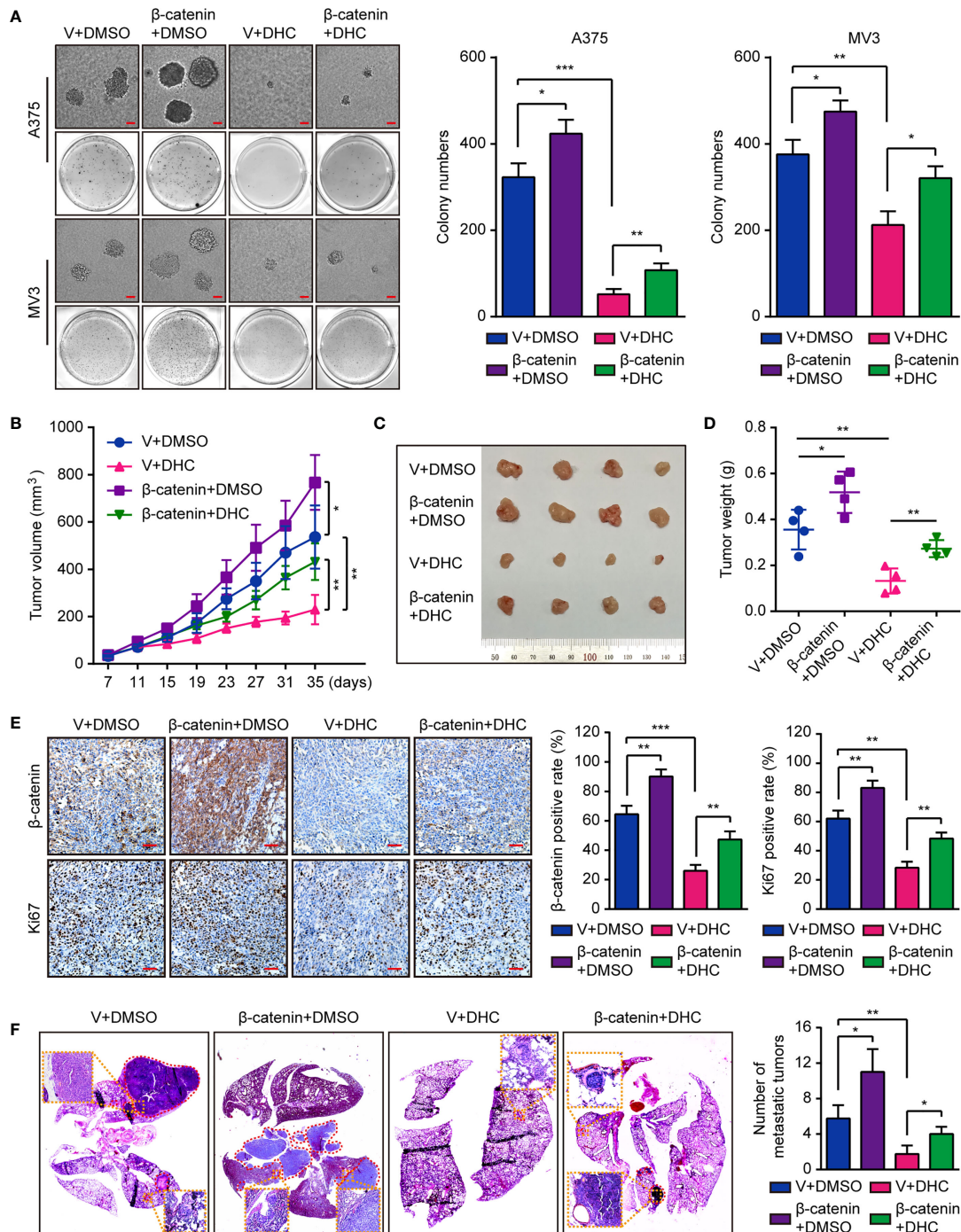


**FIGURE 5** Overexpression of β-catenin retrieves DHC-induced cell migration and invasion inhibition. (A, B) Migration and invasion transwell assays were performed in β-catenin/vector overexpressed A375 and MV3 cells treated with 100 μM DHC. Scale bar, 100 μm. (C, D) The protein expression of β-catenin, MMP2 and MMP7 in β-catenin/vector overexpressed A375 and MV3 cells treated with 100 μM DHC for 48 h. (E, F) The mRNA expression of MMP2 and MMP7 in β-catenin/vector overexpressed A375 and MV3 cells treated with 100 μM DHC for 48 h. \**P* < 0.05; \*\**P* < 0.01; \*\*\**P* < 0.001.

A375 xenograft tumors in mice after treatment with DHC (20 mg/kg/day for 28 days) and DMSO. (C, D) The tumors in mice were excised and weighed. (E) IHC of β-catenin and Ki67 in the xenograft tumors. Scale bar, 100 μm. (F) H&E staining of the lungs from β-catenin/vector overexpressed A375 metastasis mice model after treatment

with DHC (20 mg/kg/day for 45 days) and DMSO. \**P* < 0.05; \*\**P* < 0.01; \*\*\**P* < 0.001” appear below.

The authors apologize for these errors and state that this does not change the scientific conclusions of the article in any way. The original article has been updated.



**FIGURE 6** Overexpression of β-catenin retrieves DHC-induced inhibition of tumor growth and pulmonary metastasis of melanoma cells. **(A)** Colonies generated by β-catenin/vector overexpressed A375 and MV3 cells after treatment with 100 μM DHC for 3 weeks. Scale bar, 1 mm. **(B)** Tumor volume of β-catenin/vector overexpressed A375 xenograft tumors in mice after treatment with DHC (20 mg/kg/day for 28 days) and DMSO. **(C, D)** The tumors in mice were excised and weighed. **(E)** IHC of β-catenin and Ki67 in the xenograft tumors. Scale bar, 100 μm. **(F)** H&E staining of the lungs from β-catenin/vector overexpressed A375 metastasis mice model after treatment with DHC (20 mg/kg/day for 45 days) and DMSO. \**P* < 0.05; \*\**P* < 0.01; \*\*\**P* < 0.001.

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