

CORRECTION

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Correction: Osteopontin alters DNA methylation through up-regulating DNMT1 and sensitizes CD133+/CD44+ cancer stem cells to 5 azacytidine in hepatocellular carcinoma

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Correction: *J Exp Clin Cancer Res* 37, 179 (2018)

<https://doi.org/10.1186/s13046-018-0832-1>

Following publication of the original article [1], errors were found in Fig. 5a due to misused of images in Hep3B-SCR/EV, -shOPN/EV, and -shOPN/DNMT1.

The correct figure is given below:

[†]Xiaomei Gao, Yuanyuan Sheng and Jing Yang contributed equally to this work.

The online version of the original article can be found at <https://doi.org/10.1186/s13046-018-0832-1>.

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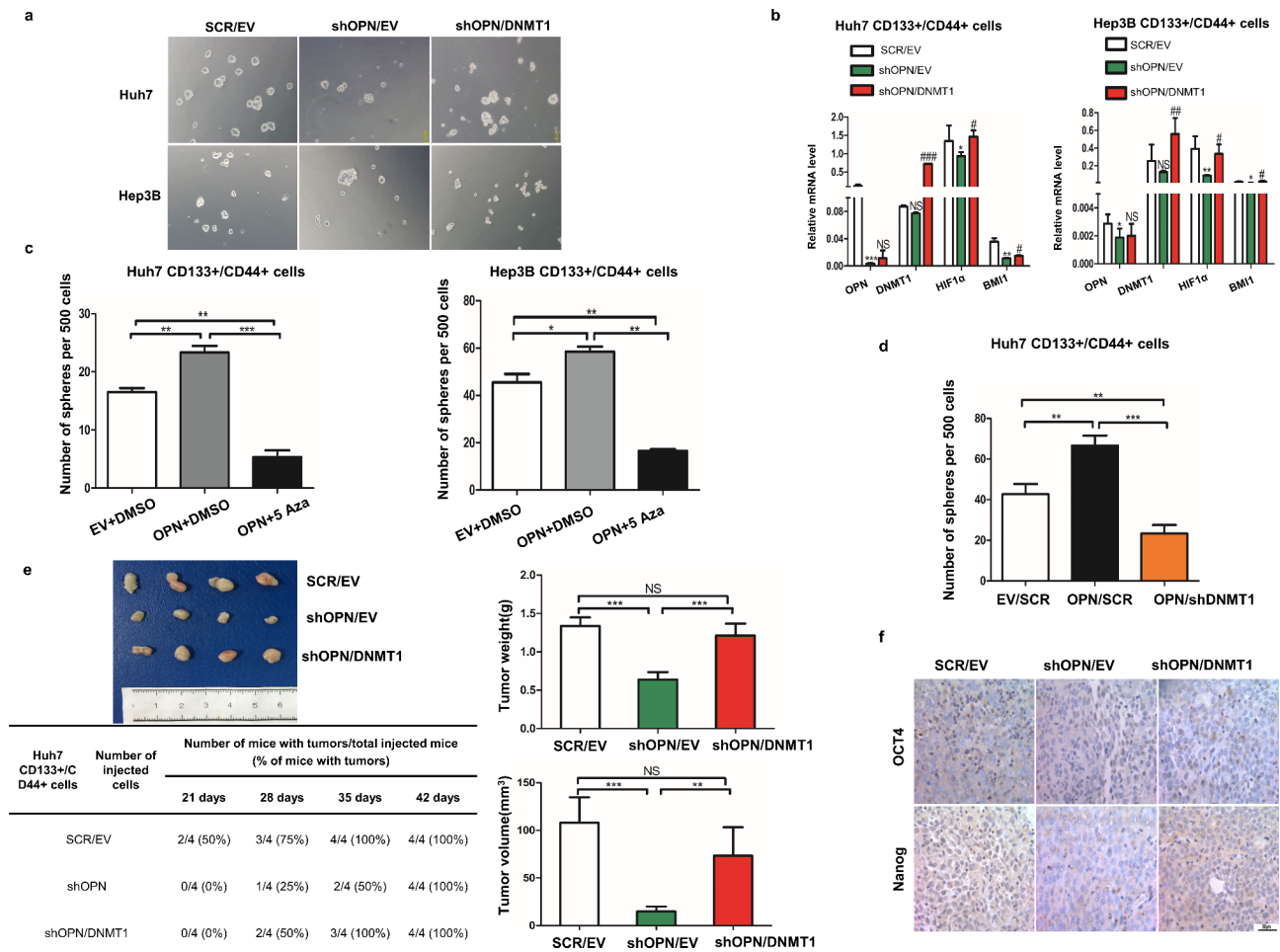


Fig. 5 OPN modulates the properties of CD133+/CD44+ cells through regulating DNMT1. **a** When CD133+/CD44+ cells with shOPN were transfected with DNMT1 from Huh7 and Hep3B cells, the ability of sphere forming was rescued compared to the shOPN group, 40X. **b** The expression of indicated genes down regulated in CD133+/CD44+ cells from Huh7 and Hep3B transfected with shOPN compared to the control, were reversed in part by DNMT1 transfection. **c** The number of spheres formed by CD133+/CD44+ cells with EV, CD133+/CD44+ cells with OPN and CD133+/CD44+ cells with OPN treated by 5 Aza, **, $p < 0.01$, ***, $p < 0.001$. **d** The number of spheres formed by CD133+/CD44+ cells with EV/SCR, CD133+/CD44+ cells with OPN/SCR and CD133+/CD44+ cells with OPN/shDNMT1, **, $p < 0.01$. **e** CD133+/CD44+ SCR/EV, CD133+/CD44+ shOPN/EV and CD133+/CD44+ cells shOPN/DNMT1 from Huh7 were injected subcutaneously into the mice, and recorded the time of tumor initiation, tumor weight and tumor volume, **, $p < 0.01$, ***, $p < 0.001$, NS, no significance. **f** IHC staining of stemness-related markers, OCT4 and Nanog in the tumor tissues derived from CD133+/CD44+ cells with SCR/EV or shOPN/EV or shOPN/DNMT1

Published online: 14 October 2023

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References

- Gao X, Sheng Y, Yang J, et al. Osteopontin alters DNA methylation through up-regulating DNMT1 and sensitizes CD133+/CD44+ cancer stem cells to 5 azacytidine in hepatocellular carcinoma. *J Exp Clin Cancer Res*. 2018;37:179. <https://doi.org/10.1186/s13046-018-0832-1>.