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Author Correction: Chlorin e6-associated photodynamic therapy enhances abscopal antitumor effects via inhibition of PD-1/PD-L1 immune checkpoint

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Pallavi Gurung, Junmo Lim, Rajeev Shrestha & Yong-Wan Kim

Correction to: *Scientific Reports* https://doi.org/10.1038/s41598-023-30256-0, published online 21 March 2023

The original version of this Article contained errors in Figures 3 and 4, where the control groups were incorrectly incorporated into the graphs of each panel (A–E), respectively. The original Figures 3 and 4 and their accompanying legend appear below.

As a result, the Figure legends of Figure 3 and Figure 4 contained errors, where for Figure 3

"*$P < 0.05$ compared to right control tumor. **#P** < 0.05 compared to right tumor of the abscopal effective group, $^{\$}P < 0.05$ compared to left control tumor, and $^{\&}P < 0.05$ compared to left tumor of the abscopal effective group (by one-way ANOVA with Tukey's post hoc test for multiple comparisons)."

now reads:

"*$p < 0.05$ compared to irradiated right tumors in abscopal effective group. #$p < 0.05$ compared to irradiated right tumors in abscopal ineffective group (by one-way ANOVA with Tukey's post hoc test for multiple comparisons)."

And for Figure 4,

"*$P < 0.05$ compared to right control tumor. **#P** < 0.05 compared to right tumor of the abscopal effective group, $^{\$}P < 0.05$ compared to left control tumor, and $^{\&}P < 0.05$ compared to left tumor of the abscopal effective group (by one-way ANOVA with Tukey's post hoc test for multiple comparisons)."

now reads:

"*$p < 0.05$ compared to irradiated right tumors in abscopal effective group. #$p < 0.05$ compared to irradiated right tumors in abscopal ineffective group (by one-way ANOVA with Tukey's post hoc test for multiple comparisons)."

The original Article has been corrected.

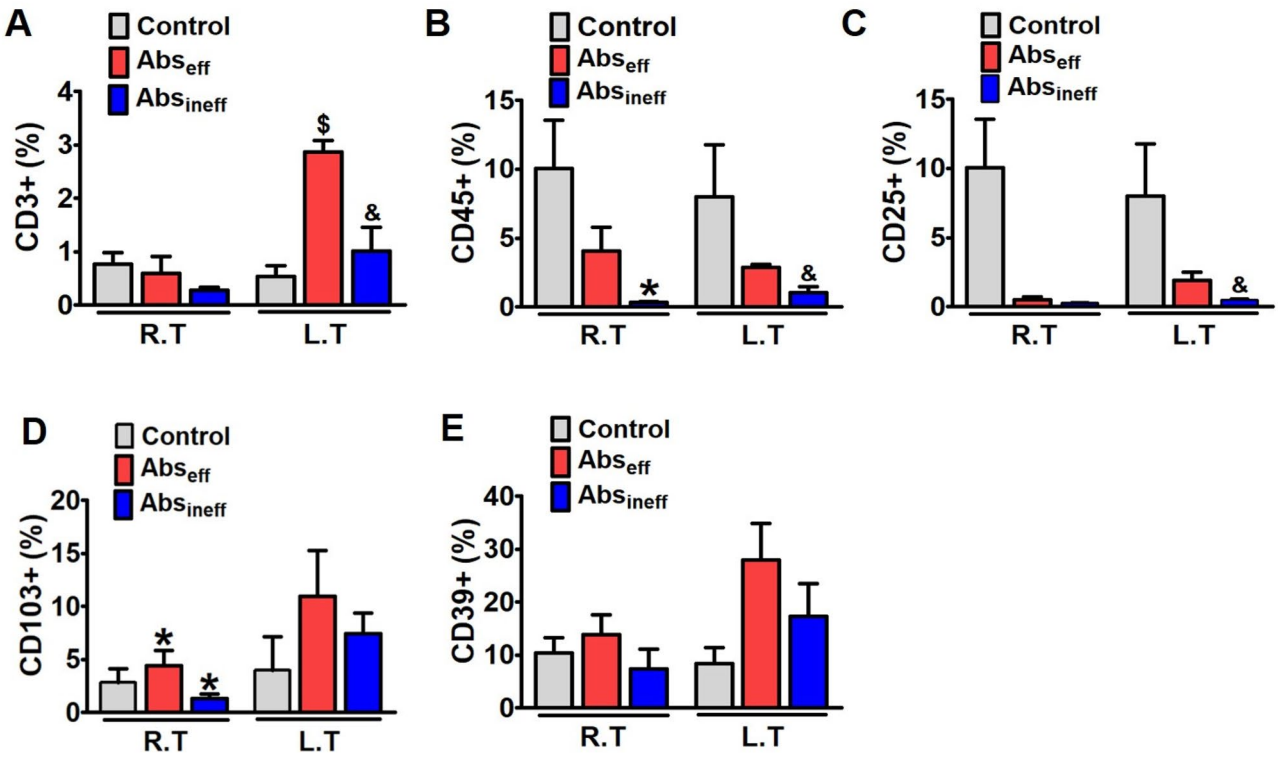

Figure 3. Enhanced accumulation and activation of T cells by Ce6-PDT in the melanoma mouse tumors. (**A**-**E**) Flow cytometry analysis to count and estimate the intratumoral fraction of (**A**) $CD3^+$, (**B**) $CD45^+$, (**C**) $CD25^+$, (**D**) $CD103^+$, and (**E**) $CD39^+$ T cells, isolated from the irradiated right and non-irradiated left tumors in control, Abs_{eff} and Abs_{ineff} group. After 28 days of tumor cell injection, T cells in tumor tissues were isolated from B16F10 tumor-bearing mice. Data are from an experiment representative with n = 3 in the control, n = 3 in the abscopal effective, and n = 4 in the abscopal ineffective group. $^*P < 0.05$ compared to right control tumor. **#P** < 0.05 compared to right tumor of the abscopal effective group, $^{\$}P < 0.05$ compared to left control tumor, and $^{\&}P < 0.05$ compared to left tumor of the abscopal effective group (by one-way ANOVA with Tukey's post hoc test for multiple comparisons).

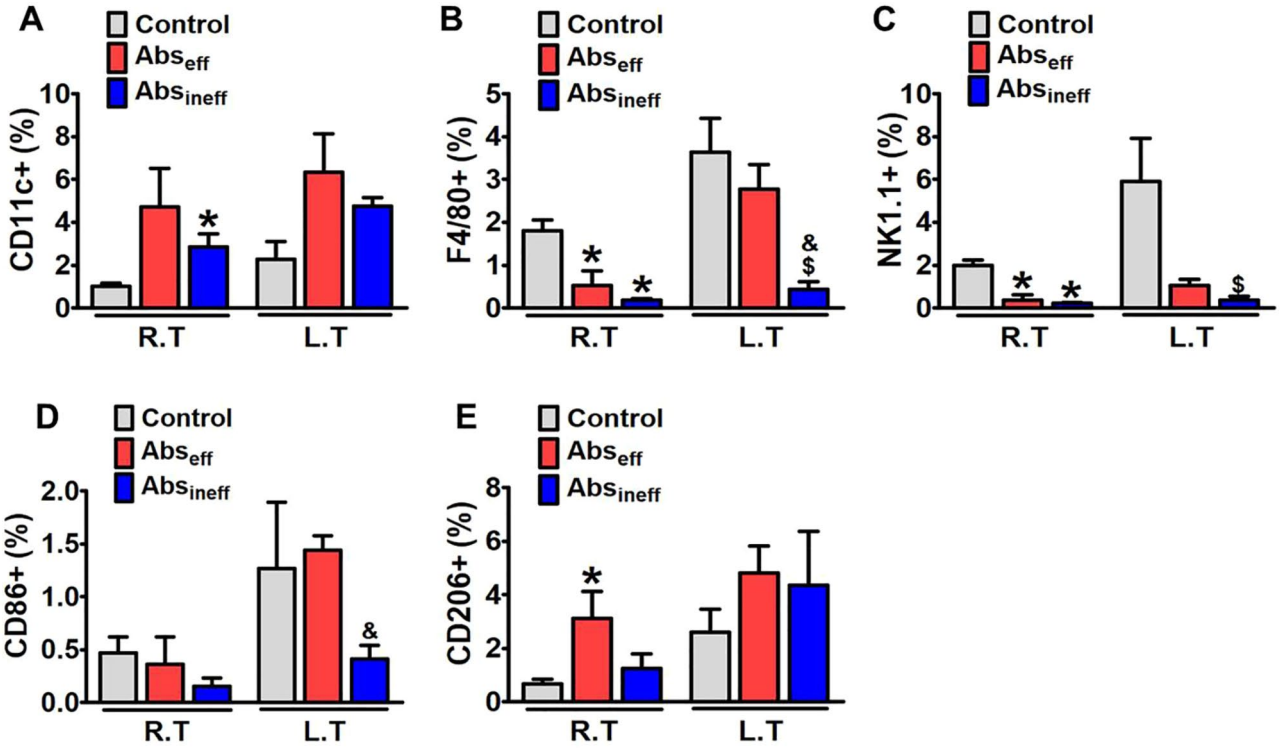

Figure 4. Flow cytometric analysis of the immune cell in the irradiated and non-irradiated tumor of melanoma mouse tumors**.** Percentages of (**A**) $CD11c^+$, (**B**) $F4/80^+$, (**C**) $NK1.1^+$ (**D**) $CD86^+$, and (**E**) $CD\ 206^+$ in irradiated and non-irradiated tumor in control, Abs_{eff} group, and Abs_{eff} group. Data are from an experiment representative with n = 3 in the control, n = 3 in the effective, and n = 4 in the ineffective group. $^*P < 0.05$ compared to right control tumor. **#P** < 0.05 compared to right tumor of the abscopal effective group, $^{\$}P < 0.05$ compared to left control tumor, and $^{\&}P < 0.05$ compared to left tumor of the abscopal effective group (by one-way ANOVA with Tukey's post hoc test for multiple comparisons).