Erratum

Erratum to overexpression of miR-651-5p inhibits ultraviolet radiation-induced malignant biological behaviors of sebaceous gland carcinoma cells by targeting *ZEB2*

Editorial Office

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Erratum to: Ann Transl Med 2022;10:517

This article (1) titled "Overexpression of miR-651-5p inhibits ultraviolet radiation-induced malignant biological behaviors of sebaceous gland carcinoma cells by targeting *ZEB2*" (doi: 10.21037/atm-21-3897), unfortunately contain errors in the authorship section, the legend of Figure 2, Figure 3 and its legend, Figure 4, Figure 5 and its legend, and the legend of Figure 7.
Christos C. Zouboulis's name is missing in the authorship section. He should be listed as the eighth author and his affiliation should be labeled 3.

The corrected authorship section is as follows:
Haiyan Zhao[1,2], Xiaochun Yang[2], Juan Liu[2], Fang Han[2], Zhengrong Yang[2], Zhongyin Hu[2], Mingzhi Liu[2], Christos C. Zouboulis[3], Yan Mei[1,2]^

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In the legend of Figure 2, Figure 5 and Figure 7, the description "The cells were cultured by Transwell method and stained with crystal violet, and the migration ability of SGC cells was determined under UV irradiation" should be corrected to "The cells were cultured by Transwell method and stained with crystal violet, and the migration and invasion ability of SGC cells was determined under UV irradiation".

Figure 3 should be updated, and the first and the second sentences in the legend of Figure 3 should be corrected from "Effect of miR-136-5p and miR-651-5p overexpression on the apoptosis of UV-induced SGC cells" to "Effect of miR-651-5p expression on the apoptosis of UV-induced SGC cells. (A,B) "Expression of miR-136-5p in SGC cells in each group was measured by RT-qPCR" to "Expression of miR-651-5p in SGC cells in each group was measured by RT-qPCR".

Figure 4 and Figure 5 should be updated as well.

The corrected legend of Figure 2, Figure 3 and its legend, Figure 4, Figure 5 and its legend, and the legend of Figure 7 are as follows:

Corrected legend of Figure 2:

Figure 2 Effect of UV exposure on the apoptosis, invasion, migration, and EMT of SGC cells. (A) Expression of miR-651-5p in SGC cells after treatment with different doses of UV radiation was measured by RT-qPCR. (B,C) Apoptosis of UV-treated SGC cells was measured by flow cytometry and TUNEL staining. Magnification of 200×. (D,E) The cells were cultured by Transwell method and stained with crystal violet, and the migration and invasion ability of SGC cells was determined under UV irradiation. Magnification of 200×. (F) Expression levels of proteins related to EMT in UV-induced SGC cells were measured by western blotting. *P<0.05 and **P<0.01 *vs.* the 0 mJ/cm^2 group; by one-way ANOVA. UV, ultraviolet; TUNEL, terminal deoxynucleotidyl transferase dUTP nick-end labeling; EMT, epithelial-mesenchymal transition; SGC, sebaceous gland carcinoma; RT-qPCR, real-time quantitative polymerase chain reaction; ANOVA, analysis of variance.

Corrected Figure 3 and its legend:

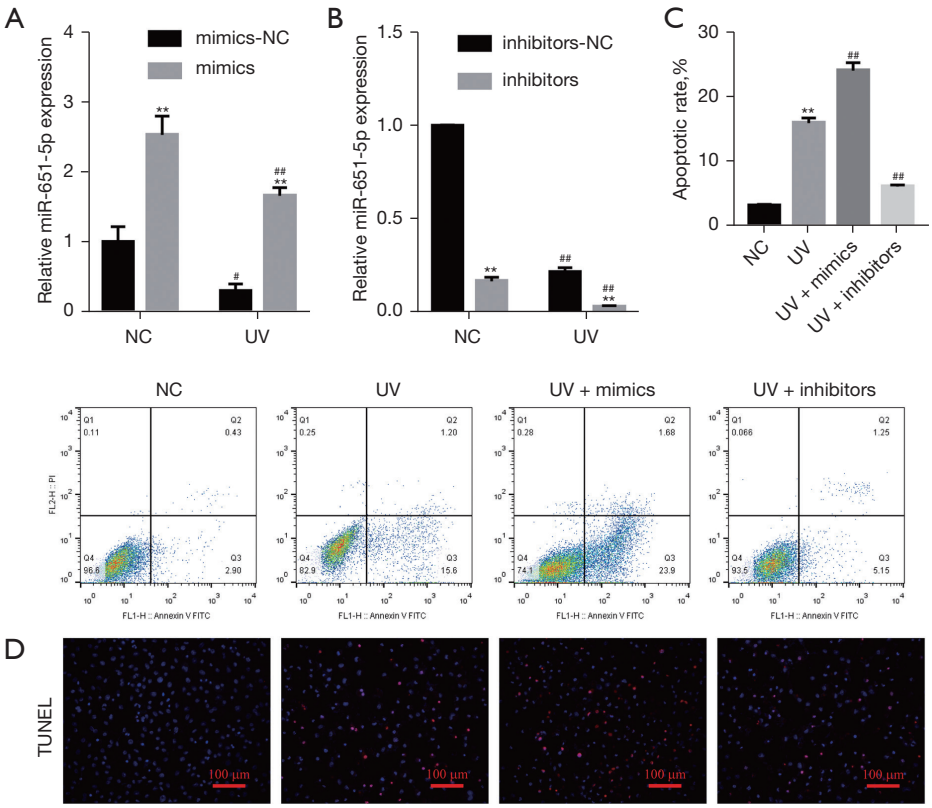
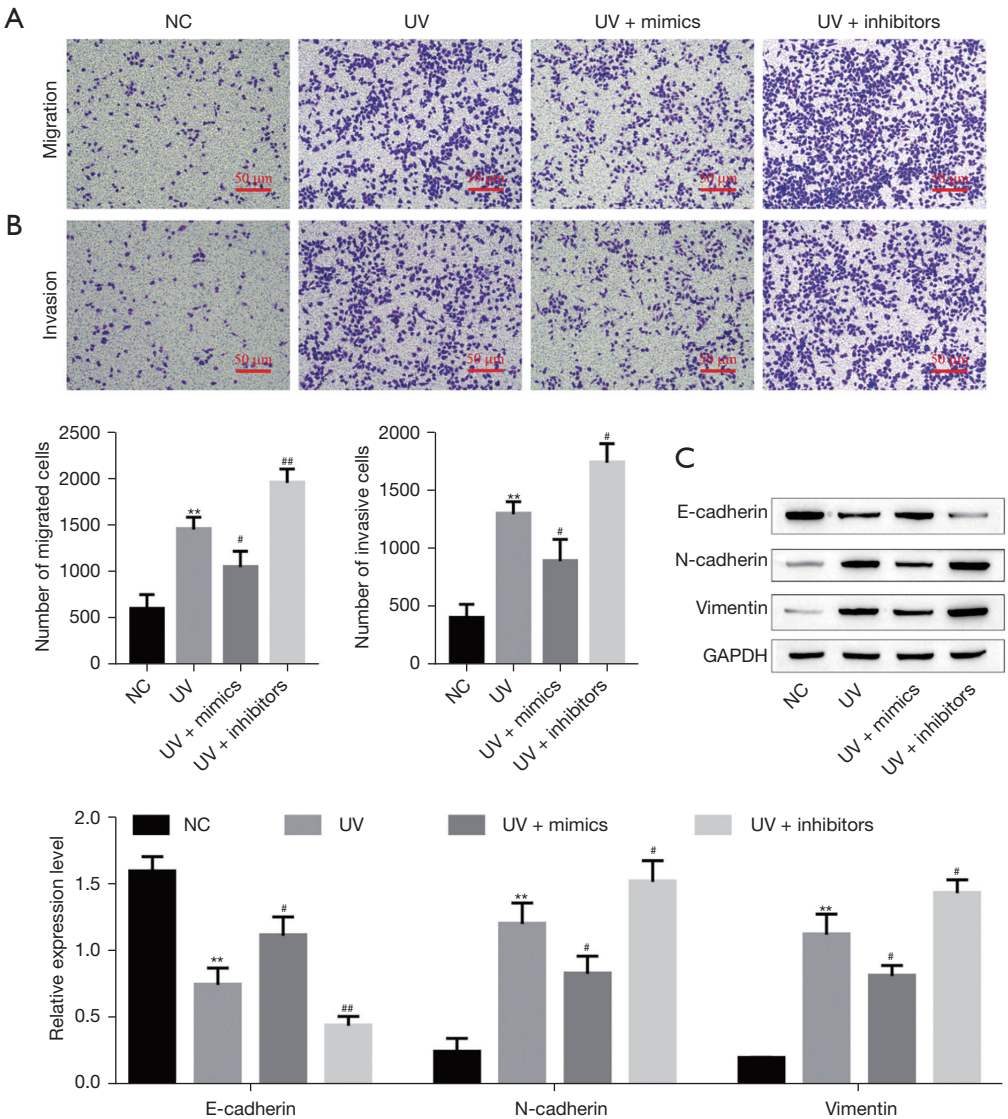


Figure 3 Effect of miR-651-5p expression on the apoptosis of UV-induced SGC cells. (A,B) Expression of miR-651-5p in SGC cells in each group was measured by RT-qPCR. **P<0.01 *vs.* the mimics-NC or inhibitors-NC group; $^{\#}$P<0.05 and $^{\#\#}$P<0.01 *vs.* the NC group; two-way ANOVA. (C,D) Apoptosis of SGC cells after UV treatment was measured by flow cytometry and TUNEL. Magnification of 200×. **P<0.01 *vs.* the NC group; $^{\#\#}$P<0.01 *vs.* the UV group; two-way ANOVA or one-way ANOVA. NC, normal control; UV, ultraviolet; TUNEL, terminal deoxynucleotidyl transferase dUTP nick-end labeling; SGC, sebaceous gland carcinoma; RT-qPCR, real-time quantitative polymerase chain reaction; ANOVA, analysis of variance.

Corrected Figure 4:



Corrected Figure 5 and its legend:

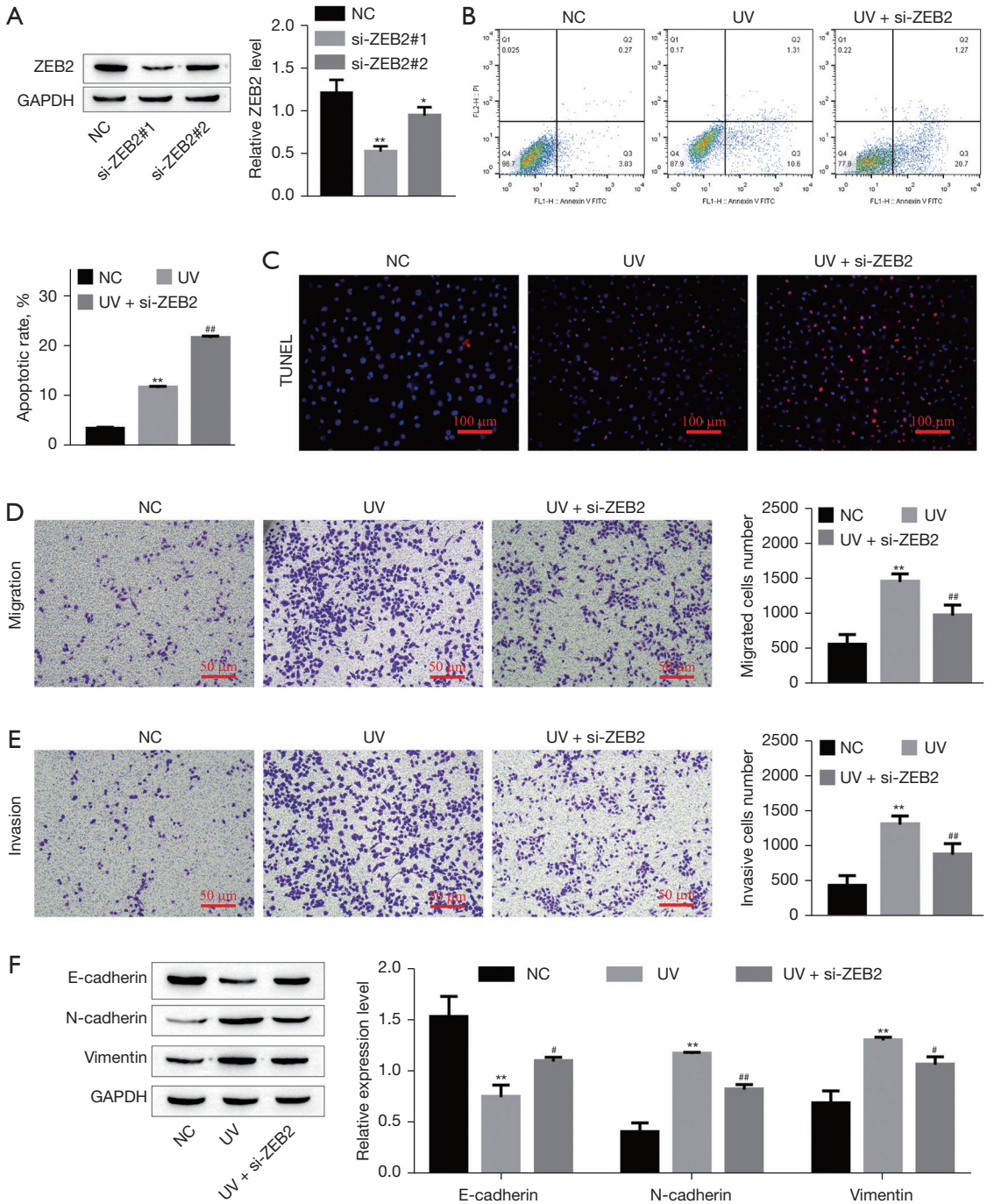


Figure 5 Knockdown of *ZEB2* affected the invasion, migration, and EMT of UV-induced SGC cells. (A) Expression of *ZEB2* was measured by western blotting. (B,C) Apoptosis of UV-treated SGC cells was measured by flow cytometry and TUNEL staining. Magnification of 200×. (D,E) The cells were cultured by Transwell method and stained with crystal violet, and the migration and invasion ability of SGC cells was determined under UV irradiation. Magnification of 200×. (F) Expression levels of proteins related to EMT in UV-induced SGC cells were measured by western blotting. *P<0.05 and **P<0.01 *vs.* the

NC group; #P<0.05 and ##P<0.01 *vs.* the UV group; by one-way ANOVA. ZEB2, zinc finger E-box binding homeobox 2; NC, normal control; UV, ultraviolet; TUNEL, terminal deoxynucleotidyl transferase dUTP nick-end labeling; EMT, epithelial-mesenchymal transition; SGC, sebaceous gland carcinoma; RT-qPCR, real-time quantitative polymerase chain reaction; ANOVA, analysis of variance.

Corrected legend of Figure 7:

Figure 7 Role of *ZEB2* in the inhibition of the malignant biological behavior of UV-induced SGC by miR-651-5p overexpression *in vivo* and *in vitro*. (A,B) Apoptosis of UV-treated SGC cells in each group was measured by flow cytometry and TUNEL staining. Magnification of 200×. (C,D) The cells were cultured by Transwell method and stained with crystal violet, and the migration and invasion ability of SGC cells was determined under UV irradiation. Magnification of 200×. (E) Expression levels of *ZEB2* and proteins related to EMT in SGC cells after UV treatment in each group were measured by western blotting. (F) Representative images of tumors from the implanted mice are shown. (G) Time course of changes in tumor volume of the implanted mice. (H) Tumor weights of the implanted mice. *P<0.05 and **P<0.01 *vs.* the UV group; #P<0.05 and ##P<0.01 *vs.* the miR-651-5p mimics group; one-way ANOVA or two-way ANOVA. UV, ultraviolet; ZEB2, zinc finger E-box binding homeobox 2; TUNEL, terminal deoxynucleotidyl transferase dUTP nick-end labeling; NC, normal control; SGC, sebaceous gland carcinoma; EMT, epithelial-mesenchymal transition; ANOVA, analysis of variance.

The authors apologize for the oversight.

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References

1. Zhao H, Yang X, Liu J, et al. Overexpression of miR-651-5p inhibits ultraviolet radiation-induced malignant biological behaviors of sebaceous gland carcinoma cells by targeting ZEB2. Ann Transl Med 2022;10:517.

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