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Correction: Cyanide is an endogenous stimulator of endothelial cell proliferation, migration and differentiation

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A Correction on
Cyanide is an endogenous stimulator of endothelial cell proliferation, migration and differentiation

by Kieronska-Rudek A, Petrosino M, Zuhra K and Szabo C (2026). Exp. Biol. Med. 251:10856. doi: 10.3389/ebm.2026.10856

There was a mistake in Figure 2C as published. During preparation of the composite figure, the hydroxycobalamin (B12a) proliferation time-course plot in Figure 2C was inadvertently replaced with a copy of the hydroxychloroquine (HCQ) time-course plot from Figure 2F. The underlying experiments involved different compounds and the published time-course graphs should not have been identical.

An additional compilation error was identified in the deposited Figure 2C area-under-the-curve (AUC) data: in each of the four experimental groups, one replicate had been entered twice. The correct values for the affected replicates and the B12a time courses were recovered from the experiment-specific GraphPad Prism records. We have reconstructed Figure 2C using five distinct biological experiments per condition. The treatment headers in the original Figure 2C source-data file, which incorrectly referred to HCQ rather than B12a, will also be corrected.

The corrected mean AUC values for 0 and 10 μM B12a were 1428 and 1332 without VEGF, and 2229 and 2006 with VEGF, respectively. Analysis of the matched experiments confirms a significant inhibitory effect of B12a on VEGF-stimulated proliferation (adjusted $p < 0.05$). In the corrected graph the annotation for this comparison is * rather than **. The errors in Figure 2C do not change the principal conclusions of the article.

The corrected Figure 2 appears below. The correction concerns only the 2C part.

The original version of this article has been updated.

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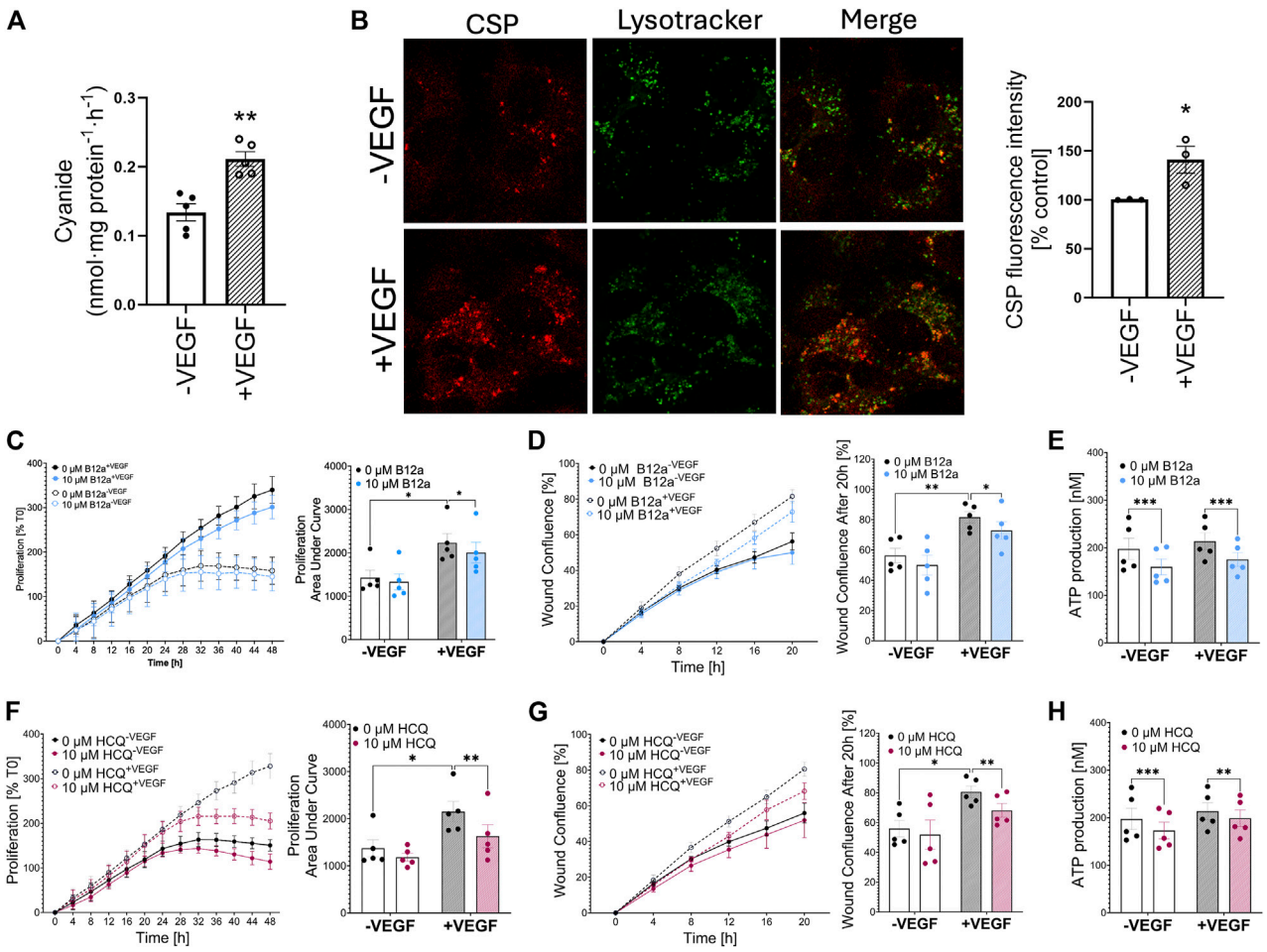


FIGURE 2
Endogenous cyanide generation supports endothelial cell proliferation, migration and differentiation. **(A)** Detection of cyanide generation by the electrochemical method and **(B)** confocal microscopy using the cyanide-specific probe CSP in HUVECs incubated with or without VEGF for 72h. Effect of cyanide scavenger Vitamin B12a (B12a) **(C–E)** or hydroxychloroquine (HCQ) **(F–H)** in HUVECs in the presence of absence of 20 ng/mL VEGF on **(C,F)** cell proliferation, **(D,G)** wound healing, and **(L,H)** ATP production. Data are presented as mean ± SEM. Individual data points represent independent biological replicates. Statistical analysis was performed as described in the Materials and Methods section; significance is indicated as follows: *p < 0.05, **p < 0.01, ***p < 0.001.

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