

CORRECTION

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# Correction to: A proposal for a new temperature-corrected formula for the oxygen content of blood

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**Correction to:** *JA Clin Rep* 6, 62 (2020)

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Following the publication of the original article [1], the authors recognized that they need to revise some of their discussion and the explanation is provided as follows.

We thought that the coefficient 0.0031 was the Bunsen coefficient of oxygen to water measured at 37 °C, but it turned out that the Bunsen coefficient was the coefficient obtained by converting the value measured at the relevant temperature to 0 °C under 1 atm conditions.

As a result, we determined that the formula calculated below is appropriate when temperature correction is performed at 37 °C.

From:

In lieu of Eq. (1), we propose a new temperature correction formula:  $\text{CaO}_2$  (ml/dl) =  $1.58 \times \text{Hb}$  (g/dl)  $\times$   $\text{SaO}_2 + 0.0031 \times \text{PaO}_2$  (mmHg) at 37 °C and 1 atm.

To:

In lieu of Eq. (1), we propose a new temperature correction formula:  $\text{CaO}_2$  (ml/dl) =  $1.58 \times \text{Hb}$  (g/dl)  $\times$   $\text{SaO}_2 + 0.0035 \times \text{PaO}_2$  (mmHg) at 37 °C and 1 atm.

The authors apologise for this error.

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## Reference

1. Hirota K, Murata M, Shingu K. A proposal for a new temperature-corrected formula for the oxygen content of blood. *JA Clin Rep*. 2020;6:62. <https://doi.org/10.1186/s40981-020-00368-x>.

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The original article can be found online at <https://doi.org/10.1186/s40981-020-00368-x>.

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