Erratum

Quantitative X-ray microanalysis of calcium with the Camebax-TEM system in frozen, freeze-substituted and resin-embedded tissue sections

Application to molluscan glio-interstitial granules

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Histochemistry (1987) 87:545–555

The paper contains errors due to the use of a wrong equation.

It is necessary to replace the equation given in “*Materials and methods*” by the following

$$[\text{Ca}]_{\text{sp}} = \frac{(P-b)/W - W_o)_{\text{sp}}}{(P-b)/(W - W_o)_{\text{st}}} \cdot [\text{Ca}]_{\text{st}} \frac{(\overline{Z^2/A})_{\text{sp}}}{(\overline{Z^2/A})_{\text{st}}}$$

and replace “underestimation” at the 21th line of the *Specimen mass thickness evaluation* ... paragraph of the “*Results*” by “overestimation”.

It would be less misleading for the reader not to quote anymore Hall 1979 (article in which the equation is printed with an inverted Z^2/A correction) but for example Hall and Gupta 1982:

Hall TA, Gupta BL (1982) Quantification for the X-ray microanalysis of cryosections. *J Microsc* 126:333–345.

The error affected only slightly the net results of the Blaineau et al. article as the authors mainly used a 1% Ca standard. The re-calculated Table 3 differs little from the former, but it shows slightly improved results (smaller errors, better $|z|$ with the Man-Whitney test). A new graph equivalent of Fig. 7 shows a better discrimination between the control and the hyper- K^+ treated individuals.

In any case the biological conclusion are the same.

Received November 19, 1987