Erratum

Optimising the methodology of calculating the cerebral blood flow of newborn infants from near infra-red spectrophotometry data:
M. Wolf, N. Brun, G. Greisen, M. Keel, K. von Siebenthal and H. Bucher
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In the abstract, line 13 should read as follows:

The mean cerebral blood flow is ...9·7 ml $(100g)^{-1}$ min^{-1} for the COP method.

The equations should read as follows:

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$$\frac{dQ}{dt} = F(C_a - C_v) \tag{1}$$

$$\mathrm{CBF} = \frac{Q}{\int C_a dt} = \frac{\Delta \mathrm{O_2Hb}}{\mathrm{cHb} * \int \Delta \mathrm{SaO_2} dt} = \frac{5{\cdot}71(\mathrm{O_2Hb}(t_1) - \mathrm{O_2Hb}(t_0))}{\mathrm{cHb} \int_{t_1}^{t_0} \Delta \mathrm{SaO_2}\, dt} \frac{\mathrm{ml}}{100\,\mathrm{g^{-1}\,min^{-1}}} \tag{2}$$

$$\mathrm{CBF} = \frac{5{\cdot}71 \Delta \mathrm{OI}_{\max} t_{int}}{\mathrm{cHb}(\sum_{t_0}^{t_1 - 1} (0{\cdot}5\mathrm{SaO_2}(t) + 0{\cdot}5\mathrm{SaO_2}(t+1) - \mathrm{AVGSAT})\Delta t} \frac{\mathrm{ml}}{100\,\mathrm{g^{-1}\,min^{-1}}} \tag{7}$$

$$\mathrm{CBF} = \frac{5{\cdot}71 * \mathrm{OI}(t_1 + \mathrm{DEL}) - \mathrm{AVGOI}}{\mathrm{cHb}(\sum_{t_0+1}^{t_1} (\mathrm{SaO_2})(t) - \mathrm{AVGSAT})\Delta t} \frac{\mathrm{ml}}{100\,\mathrm{g^{-1}\,min^{-1}}} \tag{8}$$

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$$\mathrm{STHB} = \frac{\mathrm{DTHB}}{\mathrm{DOI}}\,\% \tag{11}$$

$$\mathrm{SH1} = \frac{(\mathrm{CBF}t_0 + 1\mathrm{s}) - \mathrm{CBF}(t_0)}{\mathrm{CBF}(t_0)}\,\% \tag{12}$$

$$\mathrm{SH2} = \frac{\mathrm{CBF}\,(t_0 + 2\mathrm{s}) - \mathrm{CBF}(t_0)}{\mathrm{CBF}(t_0)}\,\% \tag{13}$$

$$\sigma_r^2 = \frac{\frac{\sum_{i=1}^{p} [n_i(y_{i\cdot} - y_{\cdot\cdot})^2]}{p-1} - \frac{\sum_{i=1}^{p} \sum_{v=1}^{n_i} (y_{iv} - y_{i\cdot})^2}{N-p}}{\frac{N - \frac{\sum_{i=1}^{p} n_i^2}{N}}{p-1}} \tag{15}$$