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This article [*J. Biomed. Opt.* **21**(8), 088002 (2016)] was originally published online on 23 August 2016 with an error in Figure 2 and the constants C_{01} , C_{02} , b_1 , and b_2 in Eq. (2). This erratum is published to correct Sec. 2.5 and Fig. 2(a).

Fig. 2 (a) Fluorescence single value decomposition (SVD) amplitude for phantom experiments with different optical properties with the same Photofrin concentration.

Section 2.5 “Measurement of the Photofrin Concentration in Tumors” should read:

The attenuation of Photofrin fluorescence signal due to the light absorption and scattering by tissue was corrected by applying an empirical correction factor (CF)

$$CF = \frac{C_{01} + C_{02}\mu'_s}{\mu'_s} \cdot \exp[(b_1 + b_2\mu'_s) \cdot \sqrt{3\mu_a\mu'_s}], \quad (2)$$

where constants $C_{01} = 0.30 \pm 0.11$, $C_{02} = 0.035 \pm 0.019$, $b_1 = 0.78 \pm 0.11$, and $b_2 = -0.026 \pm 0.014$ were determined from fitting the fluorescence SVD for phantoms with different μ_a and μ'_s . The correction factor is specific to the probe and the semi-infinite geometry set-up used for the measurements.

The paper was corrected online on 23 March 2017.