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Erratum

Erratum to: Tumor Static Concentration Curves in Combination Therapy

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Equation 6: The complete system should read

$$\frac{dV_1}{dt} = I(C_{\text{cetuximab}})k_g V_1 - S(C_{\text{cisplatin}})k_k V_1$$
$$\frac{dV_2}{dt} = S(C_{\text{cisplatin}})k_k V_1 - k_k V_2$$
$$\frac{dV_3}{dt} = k_k V_2 - k_k V_3 \qquad (6)$$
$$\frac{dV_4}{dt} = k_k V_3 - k_k V_4$$

Results: Drug exposure models

The parameter value for the cetuximab model should be $k_e = 0.017\text{h}^{-1}$, $k_a = 0.44\text{h}^{-1}$, $F = 1$, and $V = 94\text{mL} \cdot \text{kg}^{-1}$.

The parameter values for the cisplatin model should be $k_a = 42\text{h}^{-1}$, $k_{10} = 1.3\text{h}^{-1}$, $k_{12} = 3.3\text{h}^{-1}$, $k_{21} = 0.047\text{h}^{-1}$, $F = 1$, and $V_p = 377\text{mL} \cdot \text{kg}^{-1}$.

Table I

In the third column the between-subject variability values should be 10 and 33 (instead of 0.10 and 0.33)

In the second column the value of Cov(k_g,V^0) should be changed to 0.017 (instead of 0.13).

Appendix 1

The first line should read: "Consider the unperturbed tumor model incorporating natural cell death, with main compartment V_1 and damage compartments $V_2, ..., V_n$, described by the following system of differential equations"

Equation 36: The vectors should be

$$\boldsymbol{w}_{2,2} = (0, 0, ..., 0, 1, 0), \boldsymbol{w}_{2,3} = (0, ...0, 1, 0, 0), ..., \boldsymbol{w}_{2,n}$$
$$= (0, 1, 0, ..., 0) \qquad (36)$$

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