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ERRATUM

Erratum to: A new approach to the compartmental analysis in pharmacokinetics: fractional time evolution of diclofenac

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In the original online publication, under the sub-section 'Multidimensional compartmental model', the matrix equation above the paragraph 'Thus $\hat{q}(s) = (A_s)^{-1}Q^0$ and the further…' is incomplete. However the print version is correct. The complete online version is given below:

The online version of the original article can be found under doi:10.1007/s10928-009-9147-3.

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$$A = \begin{bmatrix} a_{11} & a_{12} & \dots & a_{1n} \\ a_{21} & a_{22} & \dots & a_{2n} \\ \vdots & \vdots & \ddots & \vdots \\ a_{n1} & a_{n2} & \dots & a_{nn} \end{bmatrix}, \quad q = \begin{bmatrix} q_1 \\ q_2 \\ \vdots \\ q_n \end{bmatrix}, \quad Q^0 = \begin{bmatrix} s^{\alpha_1 - 1} q_1^0 \\ s^{\alpha_2 - 1} q_2^0 \\ \vdots \\ s^{\alpha_n - 1} q_n^0 \end{bmatrix},$$

$${}^*D^{\alpha} = \begin{bmatrix} D^{\alpha_1} & 0 & \dots & 0 \\ 0 & D^{\alpha_2} & \dots & 0 \\ \vdots & \vdots & \ddots & \vdots \\ 0 & 0 & \dots & D^{\alpha_n} \end{bmatrix}, \quad A_s = - \begin{bmatrix} a_{11} - s^{\alpha_1} & a_{12} & \dots & a_{1n} \\ a_{21} & a_{22} - s^{\alpha_2} & \dots & a_{2n} \\ \vdots & \vdots & \ddots & \vdots \\ a_{n1} & a_{n2} & \dots & a_{nn} - s^{\alpha_n} \end{bmatrix}$$