Theoretical Biology and Medical Modelling

Correction

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Correction: Utility of a single adjusting compartment: a novel methodology for whole body physiologically-based pharmacokinetic modelling

Hirotaka Ando*, Shigeru Izawa, Wataru Hori and Ippei Nakagawa

Address: Discovery Research Laboratories, Kyorin Pharmaceutical Co., Ltd., Tochigi, Japan

Email: Hirotaka Ando* - hirotaka.andou@mb.kyorin-pharm.co.jp; Shigeru Izawa - shigeru.izawa@mb.kyorin-pharm.co.jp; Wataru Hori - wataru.hori@mb.kyorin-pharm.co.jp; Ippei Nakagawa - ippei.nakagawa@mb.kyorin-pharm.co.jp

* Corresponding author

Published: 8 December 2009

Theoretical Biology and Medical Modelling 2009, **6**:29 doi:10.1186/1742-4682-6-29

Received: 26 November 2009
Accepted: 8 December 2009

This article is available from: http://www.tbiomed.com/content/6/1/29

Abstract

After our work was published, we found that some of the terms in the equations were incorrect and that there were some typographical errors in the abbreviations.

In the section 'Single adjusting compartment' in Materials and Methods, V_S should be V_{SAC}.

In the last paragraph of Results, QSAC should be Q_{SAC}.

The correct equations are included in this article.

These corrections will not affect the results of this study.

Correction

After our work was published [1], we found that some of the terms in the equations were incorrect and that there were some typographical errors in the abbreviations.

In the section 'Single adjusting compartment' in Materials and Methods, V_S should be V_{SAC}.

In the last paragraph of Results, QSAC should be Q_{SAC}.

The correct equations are as follows:

$$\frac{dC_r}{dt} = \frac{Q_r}{V_r}\left(C_a - \frac{C_r}{Kp_r}\right) - \frac{CL_r \cdot C_a}{V_r} \quad (2)$$

$$\frac{dC_{gi}}{dt} = \frac{Q_{gi}}{V_{gi}}\left(C_a - \frac{C_{gi}}{Kp_{gi}}\right) - \frac{CL_{gi} \cdot C_a}{V_{gi}} \quad (3)$$

$$\frac{dC_{lung}}{dt} = \frac{Q_{tot}}{V_{lung}}\left(C_v - \frac{C_{lung}}{Kp_{lung}}\right) \quad (4)$$

$$\frac{dC_i}{dt} = \frac{Q_i}{V_i}\left(C_a - \frac{C_i}{Kp_i}\right) \quad (5)$$

These corrections will not affect the results of this study.

Competing interests

The authors declare that they have no competing interests.

References

1. Ando H, Izawa S, Hori W, Nakagawa I: **Utility of a single adjusting compartment: a novel methodology for whole body physiologically-based pharmacokinetic modeling.** *Theoretical Biology and Medical Modelling* 2008, **5**:19.