



# Correction to: Revising Pharmacokinetics of Oral Drug Absorption: I Models Based on Biopharmaceutical/Physiological and Finite Absorption Time Concepts

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**Correction to: Pharm Res (2020) 37:187**  
<https://doi.org/10.1007/s11095-020-02894-w>

This erratum corrects the content of our work published in **Pharm Res (2020) 37:187**. While the conclusions of the paper are qualitatively unaffected, the figures and two typographic errors were corrected accordingly.

- page 3/13: eq. 11 should be  $t-\tau_i$  instead of  $t-\tau_e$
- page 11/13: in the part where it is written "the results presented in Fig. 5 a-d.." there should be written "Fig. 6 a-d"
- page 9/13: In the Legend area of the figure depicted as "Fig. 5", there should be "Fig. 6"
- page 10/13: In the Legend area of the figure depicted as "Fig. 6", there should be "Fig. 5"

## Corrected Figures with Figure Legends

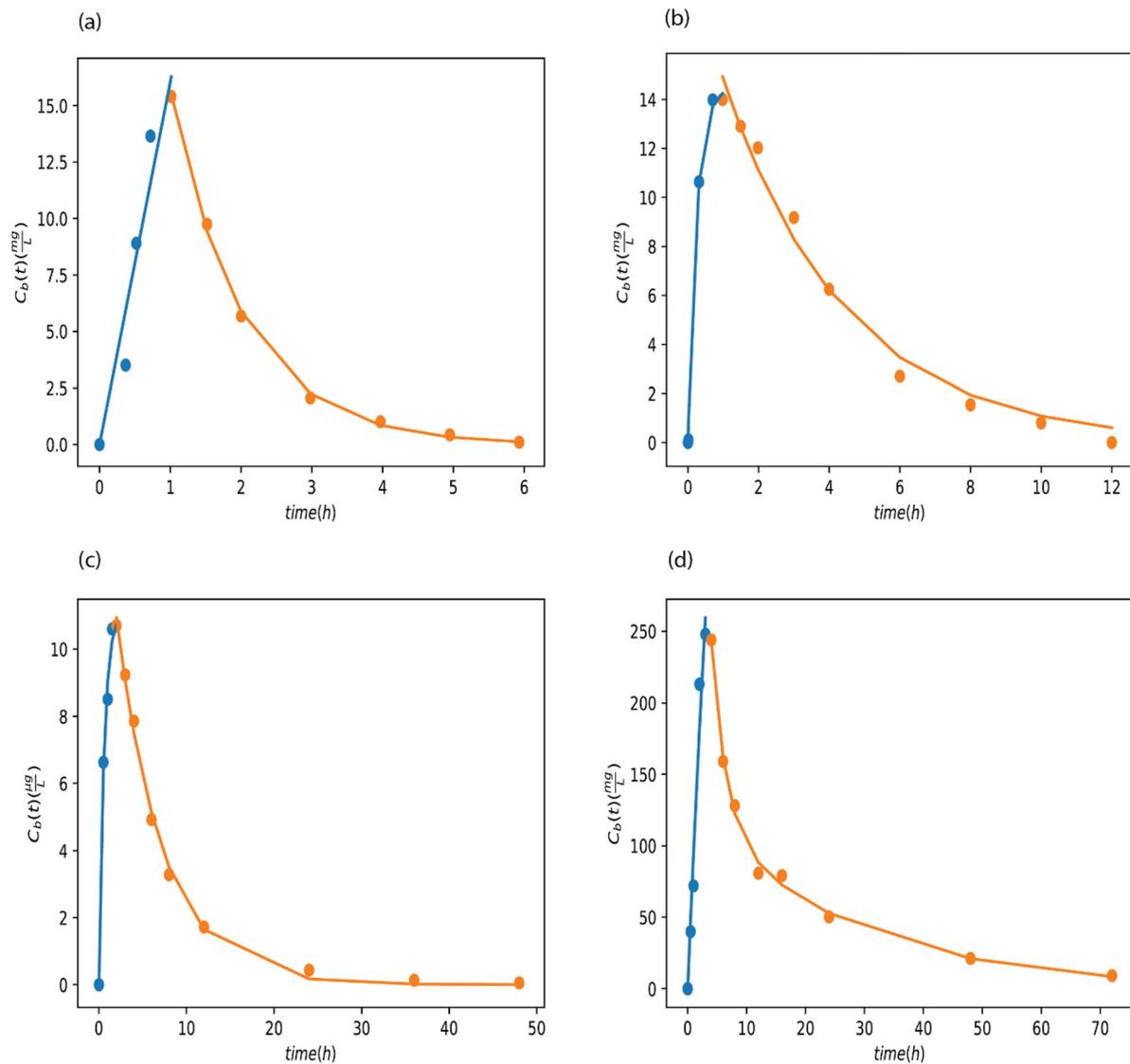
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The online version of the original article can be found at <https://doi.org/10.1007/s11095-020-02894>

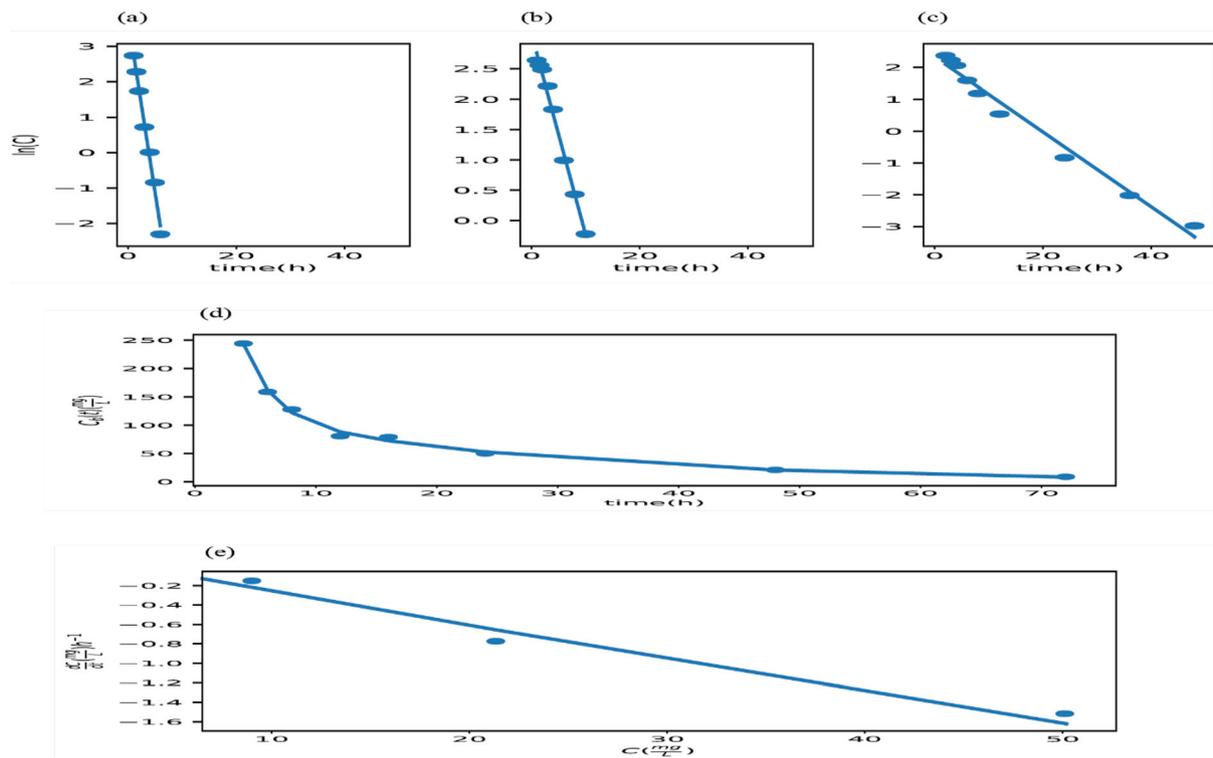
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**Fig. 5** Curve fitting of model equations to all data points. Key: **(a)** Cephadrine, Dose=500mg,  $R^2=0.9723$ . **(b)** Ibuprofen, Dose=200mg,  $R^2=0.9961$  **(c)** Flurbiprofen, Dose=100mg,  $R^2=0.9908$ . **(d)** Itraconazole, Dose=200mg,  $R^2=0.9797$ . The blue lines correspond to drug absorption and the orange lines represent the drug's elimination phase.



**Fig. 6** Computation of the slope of one-compartment model drugs [(a), (b), (c)] using semilogarithmic plots for all data points of the declining limb of the  $(C_b, t)$  curve. Key: (a) Cephadrine, Dose=500mg,  $k_{el}=0.97h^{-1}$ ,  $R^2=0.991$ ; (b) Ibuprofen, Dose=200mg,  $k_{el}=0.33h^{-1}$ ,  $R^2=0.993$ ; Flurbiprofen, Dose=100mg,  $k_{el}=0.11h^{-1}$ ,  $R^2=0.980$ . (d) Non-linear two-compartment model fit to all itraconazole data points of the declining limb of the  $(C_b, t)$  curve of a dose 200mg. Computation of optimal parameters:  $A=679.46$  mg/mL,  $\alpha=0.415h^{-1}$ ,  $B=132.68$  mg/mL,  $\beta=0.038h^{-1}$  from all elimination phase data points,  $R^2=0.9985$  (e) Phase plane plot (29) of itraconazole computed for the last three data points of the  $\beta$ -phase data; Intercept= $-0.012$  (mg/L) $h^{-1}$ , Slope= $0.032h^{-1}$ .