$$\text{Vss/F (L)} = [\text{TVVss}_{45\text{kg woman}} \ (\text{L/45kg}) \times \Theta^{\text{gestational age(wks)/40}}] \times \text{LBW/45kg}$$

$\text{TVCL}_{45\text{kg woman}}$ and $\text{TVVss}_{45\text{kg woman}}$ represent typical values of CL/F and Vss/F for a pregnant woman of 45 kg LBW.

Apppendix III Supplementary Figure

Figure legend

Goodness of fit plots for betamethasone plasma concentrations using one- and two compartment models with first order absorption and elimination. (A) Observed versus model predicted betamethasone plasma concentrations from the one-compartment model. (B) Weighted residuals versus model predicted betamethasone plasma concentrations from the one-compartment model. (C) Observed versus model predicted betamethasone plasma concentrations from the two-compartment model. (D) Weighted residuals versus model predicted betamethasone plasma concentrations from the two-compartment model. The solid line in (A) and (C) represents the line of identity. The solid line in (B) and (D) represents the zero-intercept line.

Supplementary Figure