

**Figure 1: Scatter Plots of Observed blood NNZ-2566 Concentrations**

Solid line represents median of the observations, shaded area are the 5th and 95th percentiles of the observed data. Dots represent individual measurements.

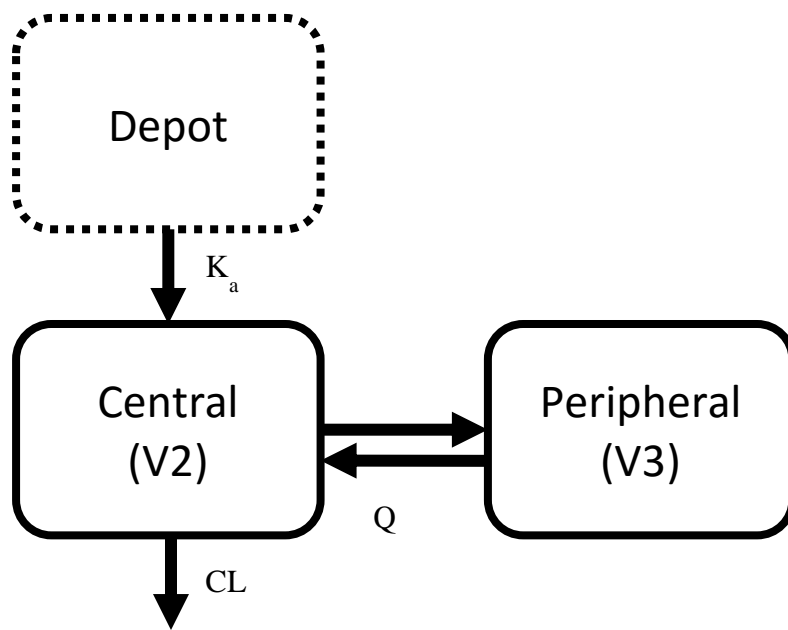


Figure 2: **Pharmacokinetic model structure of NNZ-2566.**

With  $K_a$  as the absorption constant,  $CL$  as clearance,  $Q$  for intercompartmental clearance,  $V_2$  and  $V_3$  for the central and peripheral volumes of distribution respectively.

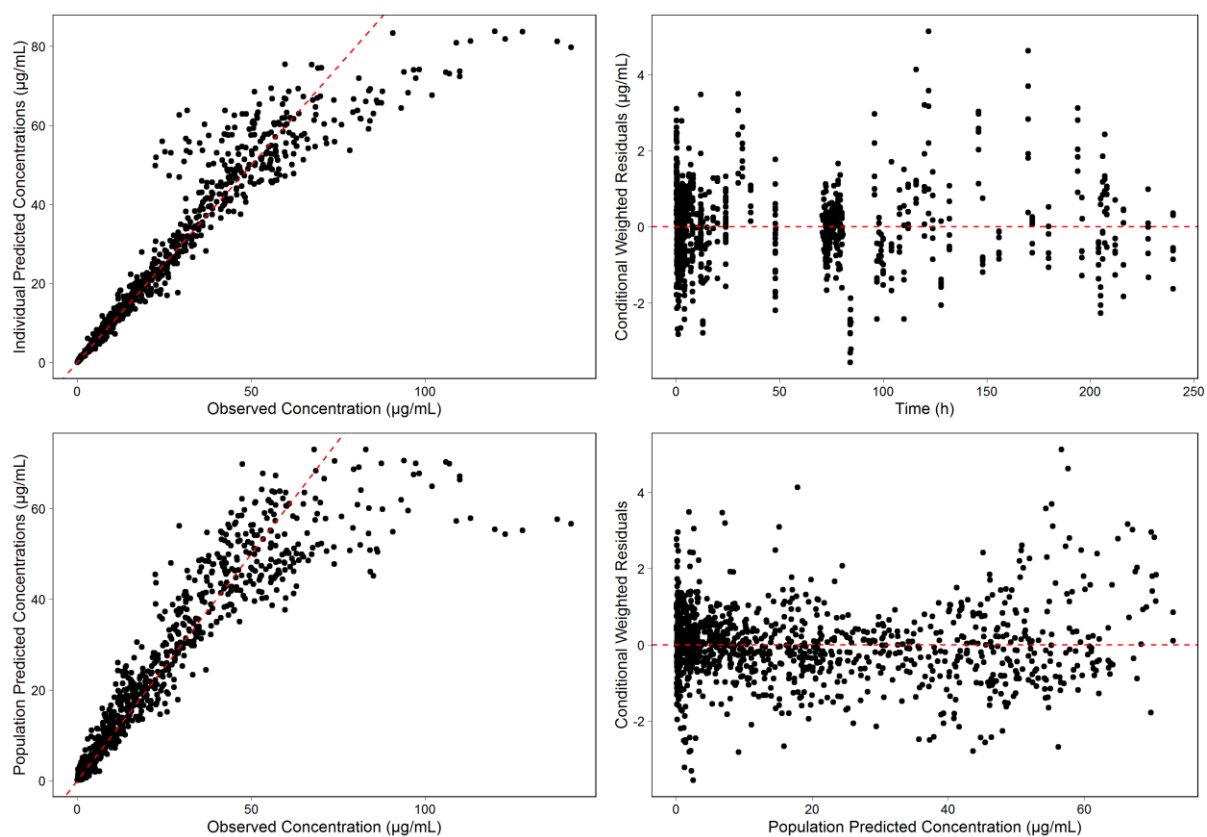
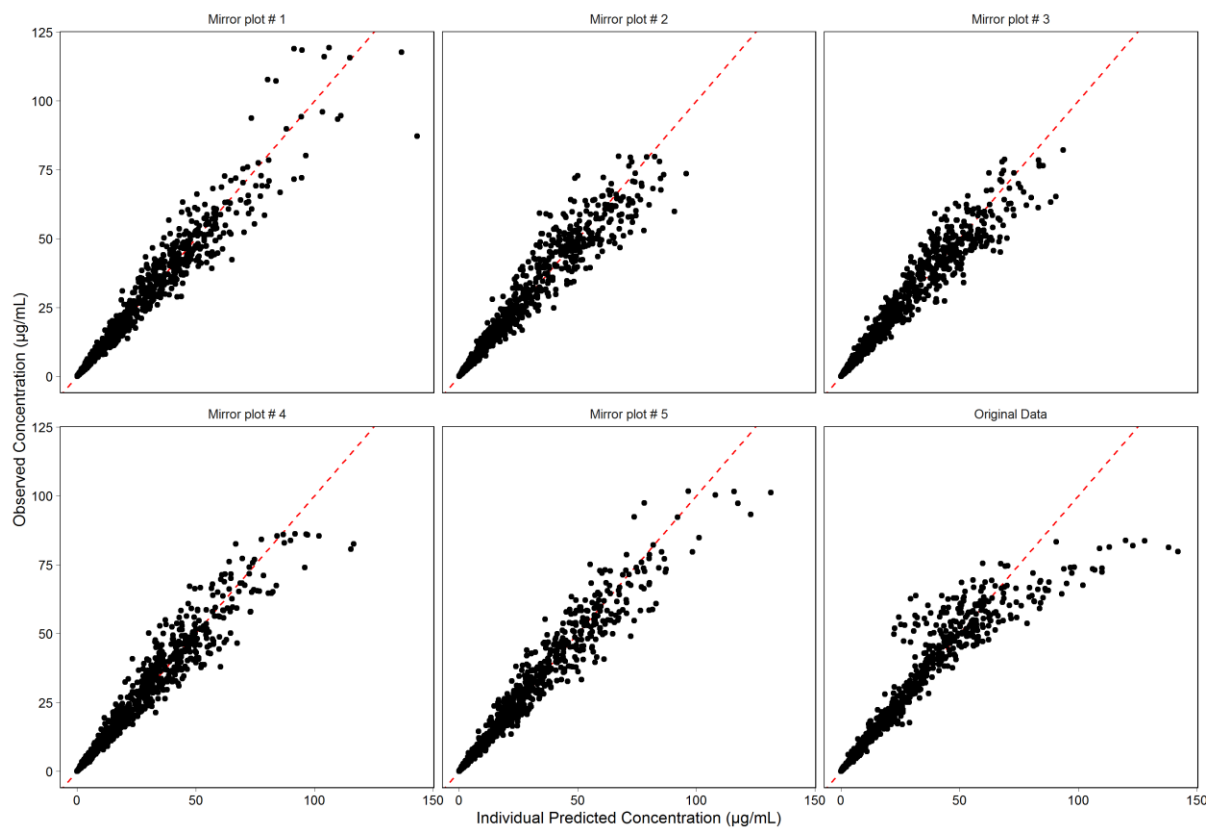


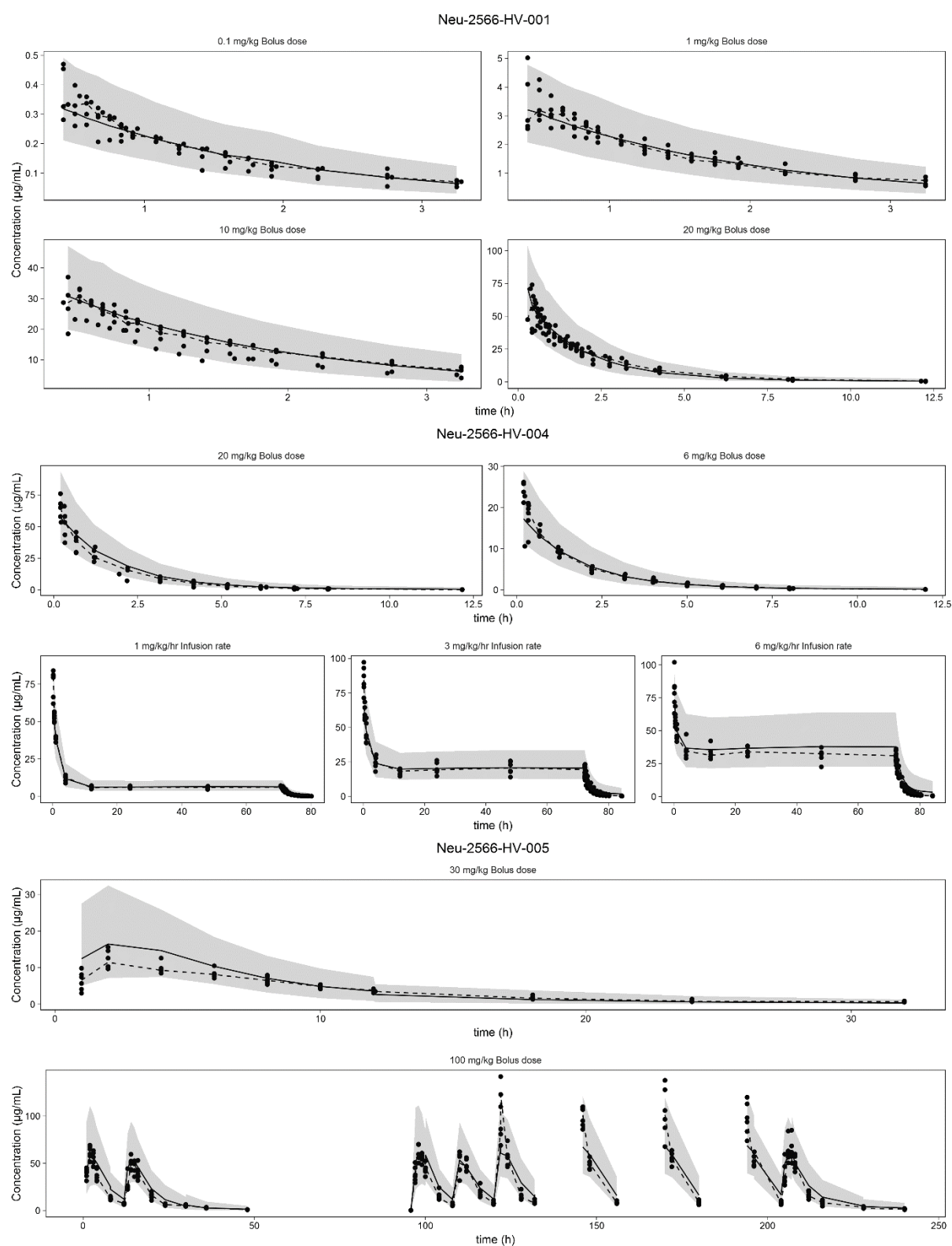
Figure 3: **Goodness-of-Fit plots**

Black dots are individual values; red dashed line is the identity line.



**Figure 4: Mirror Plots**

Individual Predicted NNZ-2566 Concentrations versus Observed Concentrations for original data and simulated data using the healthy subject model



**Figure 5: Visual Predictive Check**

Solid line represents median and shaded area represent the 90% confidence interval of simulated values. The dashed black line and dots represent the median and individual observed data values respectively.