

CASE STUDY

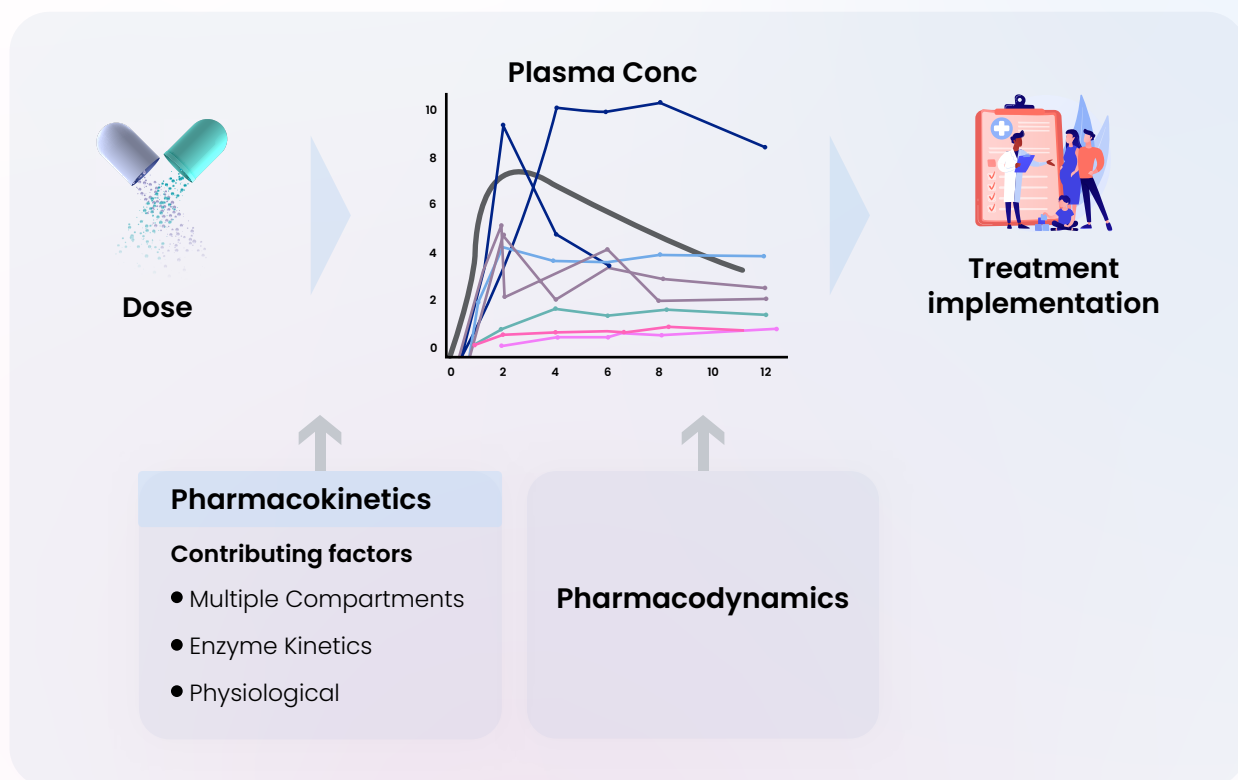
PK/PD Modeling for Dose Regulation

Specification

Assess the right dosage of a drug based on host enzyme kinetics and physiological factors.

Our approach

- Define compartments of interest in the host
- Equations for enzyme kinetics
- Implementation of physiological data for dosage
- Differential equations for dose regulation



Results

Dosage over time for compartments of interest that helps in better efficacy of the treatment and leads to regulating treatments for different diseases based on host genetics.