

Pharmacokinetic/pharmacodynamic modeling and simulation

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What we do

- Our team studies focus on understanding the behaviour of a drug in the body and the effects produced by the drug.
- We are experts in pharmacokinetics, mainly focused on population pharmacokinetics, but also noncompartmental analyses.
- We are also very much interested in evaluating the relationship between drug exposure and therapeutic effects or adverse events.
- We have a great experience in studying drug-drug interactions, mostly from the pharmacokinetics point of view.

Therapeutic areas

- Although the area is transversal we have developed a great experience over the years on:
 - Central nervous system
 - Infectious diseases
 - Analgesia
 - Allergy

What we can offer

- We perform hands-on modeling and simulation that includes:
 - Population pharmacokinetics
 - Pharmacokinetic/pharmacodynamic modeling
 - Noncompartmental analyses.
- We are mainly focus and have experience in PK and PKPD analysis to support interaction with regulatory agencies.
- We can help at any step of drug development on “go-no-go” decisions
- We are experts in the design of clinical trials: dose selection, trial design optimization, simplification of trials based on PK or PKPD modeling.