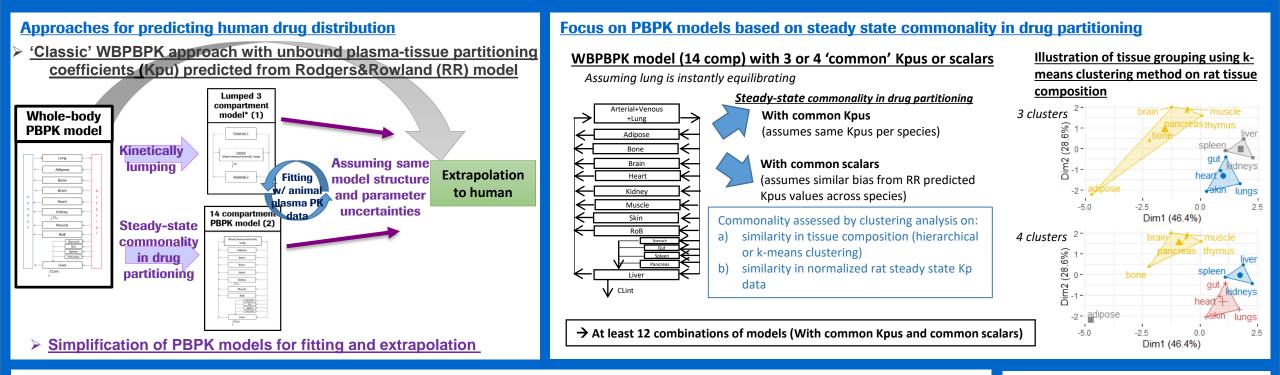
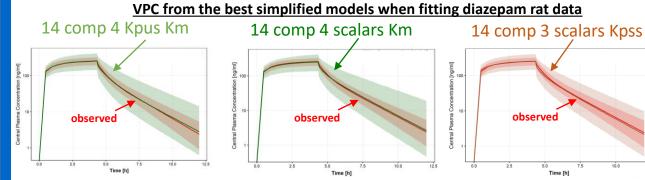
Physiologically-based pharmacokinetic (PBPK) models for translation of drug distribution from rat to human



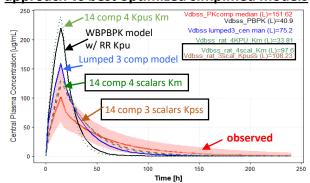
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Fitting of PBPK models to rat data and extrapolation to human for diazepam



<u>Predictions in human : 'classic' WBPBPK</u> approach vs best optimized simplified models



Key points

- The current study provides a rationale and reproducible assessment of analyzing preclinical data to aid translation of drug distribution within a PBPK modelling framework.
- The work and models proposed may be extended to other compounds and species, for a more exhaustive evaluation.