

Special Issue

Specific Drug Disposition in Veterinary Medicine

Message from the Guest Editor

A rational use of drugs must be implemented through an optimization of dosing regimens in each species that is accomplished by choosing the dose and schedule that results in an exposure that will achieve a desired clinical and/or therapeutic outcome. Pharmacokinetic data are often unavailable for drugs in a particular species, especially in minor or exotic species. In these cases, drugs are used under exceptional prescription by adapting or extrapolating the recommended dosage from major species. It is evident that specific pharmacokinetic data are needed to tailor drug therapy more effectively for individual patients. Bioavailability from a dosage form can vary widely between animal species. Prolonged-release drug products offer an important advantage in veterinary medicine by maintaining plasma concentrations within the therapeutic range for an extended duration and reducing handling of animals. Knowledge of their disposition kinetics must be known in each species. Consequently, the aim of this Special Issue is to publish original research papers or reviews concerning the pharmacokinetics of drugs in animals to ensure clinical success and safety.

Guest Editor

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