

## **Recommended journals**

Candidates are encouraged to read relevant articles published in reputable journals in the 3 years before sitting the examination.

Of special relevance are:

- Journal of Veterinary Pharmacology and Therapeutics
- Toxicology and Applied Pharmacology
- BMC Veterinary Research (pharmacology section)
- The Veterinary Journal (pharmacology related articles)
- Veterinary Clinics of North America (reviews)

## **Supplementary reading list**

- Research in Veterinary Science
- British Journal of Pharmacology
- Journal of Pharmacology and Experimental Therapeutics

## **Seminal Review Papers**

In some subject areas key articles may have been published more than 5 years ago. A list of these key articles is provided on the ECVPT website. For example, here are some selected examples of suitable articles in pharmacokinetics and pharmacodynamics.

In the Journal of Veterinary Pharmacology and Therapeutics; 2004 - Issue 27(6):

- Plasma clearance. Toutain PL, Bousquet-Mélou A. J Vet Pharmacol Ther. 415-425.
- Plasma terminal half-life. Toutain PL, Bousquet-Mélou A., J Vet Pharmacol Ther. 427-439.
- Volumes of distribution. Toutain PL, Bousquet-Mélou A. J Vet Pharmacol Ther. 441-453.
- Bioavailability and its assessment. Toutain PL, Bousquet-Mélou A. J Vet Pharmacol Ther. 455-466.
- Integration and modelling of pharmacokinetic and pharmacodynamic data to optimize dosage regimens in veterinary medicine. Toutain PL, Lees P. J Vet Pharmacol Ther. 467-477.
- Pharmacodynamics and pharmacokinetics of nonsteroidal anti-inflammatory drugs in species of veterinary interest. Lees P, Landoni MF, Giraudel J, Toutain PL. J Vet Pharmacol Ther. 479-490.
- PK-PD integration and PK-PD modelling of nonsteroidal anti-inflammatory drugs: principles and applications in veterinary pharmacology. Lees P, Giraudel J, Landoni MF, Toutain PL. J Vet Pharmacol Ther. 491-502.
- Pharmacokinetics and pharmacokinetic/pharmacodynamic relationships for angiotensin-converting enzyme inhibitors. Toutain PL, Lefèbvre HP. J Vet Pharmacol Ther. 515-525.

In the British Journal of Pharmacology; 2007 - Issue 152:

- Lew MJ (2007). Good statistical practice in pharmacology: problem 1. Br J Pharmacol. 295–298.
- Lew MJ (2007). Good statistical practice in pharmacology: problem 2. Br J Pharmacol. 152: 299–304.

In the Journal of Veterinary Pharmacology and Therapeutics; Series on the use of pharmacokinetic modeling principles in Animal Health:

- Riviere JE, Gabrielsson J, Fink M, Mochel J. Mathematical modeling and simulation in animal health. Part I: Moving beyond pharmacokinetics. J Vet Pharmacol Ther. 2016 Jun;39(3):213-223.
- Lin Z, Gehring R, Mochel JP, Lavé T, Riviere JE. Mathematical modeling and simulation in animal health - Part II: principles, methods, applications, and value of physiologically based pharmacokinetic modeling in veterinary medicine and food safety assessment. J Vet Pharmacol Ther. 2016 Oct;39(5):421-438.
- Bon C, Toutain PL, Concordet D, Gehring R, Martin-Jimenez T, Smith J, Pelligand L, Martinez M, Whitem T, Riviere JE, Mochel JP. Mathematical modeling and simulation in animal health. Part III: Using nonlinear mixed-effects to characterize and quantify variability in drug pharmacokinetics. J Vet Pharmacol Ther. 2018 Apr;41(2):171-183.