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Antibiotic dosage regimen for a sustainable use of antibiotics in veterinary medicine

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Workshops: Tuesday 10.07: 11.00 – 12.30

Workshop 1:

W-1.1. Antibiotic dosage regimen for a sustainable use of antibiotics in veterinary medicine

Coordinator: P.L. Toutain

The sustainable use of antibiotic drugs in veterinary medicine necessitates optimizing dosage regimens to minimize the development of resistance not only among the target pathogens (an animal health issue), but also to prevent or minimize the impact of antibiotic resistance on non-target bacteria including zoonotic pathogens (*Salmonella*, *Campylobacter*, *E coli*, etc), on animal commensal flora (mainly gut flora) and also on environmental flora. The selection of the most appropriate antibiotic in terms of pharmacokinetics and pharmacodynamics, the value and limits of susceptibility testing in the selection of an antibiotic, routes of administration (general or local), early or late treatments, low or high doses, duration of treatment, etc will be briefly presented to fuel discussion. In addition, the urgent need for pharmaceutical innovation i.e. antibiotics that fit public health expectations, will be addressed. After a keynote lecture aiming at highlighting these different critical items, the exchange format of this workshop will be via a series of questions with which the speaker will challenge the participants for answers and to elicit discussion.

12th International Congress of the European Association for Veterinary Pharmacology and Toxicology

8 – 12 July 2012
Noordwijkerhout
The Netherlands



www.eavpt2012.nl

A B S T R A C T S