

Current Veterinary Clinical Trials

KIDNEY DISEASE

Finding Optimal Dose of an Antibiotic in Cats

■ Purpose

- Cats frequently suffer from mild to severe kidney dysfunction and thus are at a greater risk for experiencing adverse side effects from enrofloxacin (Baytril) due to decreased ability to excrete the drug. There are no studies evaluating enrofloxacin levels in the blood of cats and dogs with kidney dysfunction to date, so the purpose of this study is to characterize drug levels of the antibiotic, Baytril, in cats with kidney disease.

■ Participation Requirements

- We are looking for cats diagnosed with kidney disease and taking the antibiotic, Baytril intravenously.
- To determine eligibility, cats will need a physical examination with particular emphasis on body weight, body condition score and hydration status, blood and urine workup (complete blood count (CBC), chemistry panel, SDMA kidney test, urinalysis, urine culture), and blood pressure measurement.

■ Procedures

- This study will only involve blood collection over 36 hours following administration of Baytril; however, a brief urinary tract ultrasound potentially under sedation and a brief fundic eye examination may also be performed.



■ Owner Responsibilities

- Cover costs associated with the initial diagnosis, hospitalization and routine bloodwork monitoring that is normally clinically indicated for treatment of your pet's illness, take-home medications, and any medical treatments needed if your cat experiences an adverse event while in the study.

■ Benefits

- The study will cover one intravenous dose of Baytril, placement of the sampling catheter, and some of the blood sampling (specifically that for the SDMA kidney test and a creatinine value).
- Participation in this study may allow us to determine more appropriate dosing of Baytril in cats with kidney disease, which could reduce toxic exposures and ensure that appropriate drug doses are given to treat susceptible infections completely.



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