

Biomarkers during chronic kidney disease

Purpose and Brief Explanation of Study:

The primary objective of this study is to characterize the natural disease progression of chronic kidney disease (CKD) in dogs presented as veterinary patients by monitoring their health status, as well as blood and urine values at regular intervals during visits at the Ohio State University.

What qualifies my dog for enrollment in this in this trial?

To participate in this clinical trial your dog must:

- Be at least one year of age and weigh at least 5 kg (11 pounds).
- Be diagnosed with CKD, specifically International Renal Interest Society (IRIS) stage 2, 3 or 4, and have at least one of the following:
 - Renal proteinuria (urine protein/creatinine ratio [UPC] > 0.5)
 - Ultrasonographic renal abnormalities (decreased corticomedullary distinction, small, irregular kidneys or both)
 - Serum creatinine concentration ≥ 1.4 mg/dL in the absence of other diseases likely to cause polyuria or polydipsia.

Your dog may qualify to participate in this clinical trial if it meets these requirements.

What does enrolling my dog in this clinical trial involve?

This is an observational study; no investigational products will be administered to your dog in this study.

First, your dog will undergo a physical exam, and blood and urine samples will be taken to assess the health status, and the stage of the kidney disease. Additionally, you will be asked to complete a questionnaire about the health status and the quality of life of your dog.

At your first visit, depending on the stage of CKD, your dog may also need to undergo a special X-Ray like diagnostic procedure called Dual-Energy X-ray Absorptiometry (DEXA) scan. DEXA measures your dog's bone mineral density, which is a critical parameter for the purposed study. The DEXA scan is performed under short (10-15 minutes long) sedation. Your Veterinarian will use a sedation method that is appropriate for your dog's condition. At the end of your first visit, your Veterinarian will discuss the standard of care treatments recommended based on the stage of your dog's CKD.

After your first visit, you must be prepared to attend regular clinic appointments with your dog (up to thirteen additional occasions). Depending on the stage of kidney disease your dog has, these may be every two weeks or every four weeks. At each of these clinic visits, your study Veterinarian will examine your dog and collect blood and urine samples to monitor the health status of your dog. You will be also asked to complete the questionnaire about the health status and the quality of life of your dog at each visit. Depending on the stage of CKD your dog has, a DEXA scan may be repeated an additional 1 – 2 times at least three months apart during the study.

Client Compensation

For enrolled dogs, the clinical trial will cover all costs associated with every visit (Blood and urine tests and blood pressure). Additionally pet owners will receive **\$75** credit per visit to be used at the veterinary medical center.

**If you believe your pet may be eligible to enter this study,
please fill out a pre-screening questionnaire.**



**Pre-Screen
HERE**