

Early Detection Screening of Dogs for Bladder Cancer



About the Clinical Study

The NC State College of Veterinary Medicine, with the help of the University of Wisconsin-Madison School of Veterinary Medicine, is screening dogs for a bladder and prostate cancer called urothelial carcinoma or transitional cell carcinoma (UC/TCC). As part of this clinical study, investigators will screen your dog's urine for a molecular marker associated with UC/TCC.

If the marker is undetected, your participation in the study will end. If your dog tests positive, two options are possible:

1. You and your dog will be invited to either the NC State Veterinary Hospital or UW Veterinary Care for a comprehensive clinical evaluation.
2. Investigators will recommend follow up with your primary care veterinarian.

Goal

The goal of this clinical study is to determine if the molecular marker we screen for can be used to detect UC/TCC before dogs develop signs of bladder and prostate cancer. With earlier detection, investigators hope to initiate treatment sooner to delay progression and improve quality and duration of life for dogs with this devastating disease.

Eligibility

- Your dog must be clinically healthy, with no signs of urinary tract infections
- Your dog must be at least 6 years old
- Your dog must be one of the following seven breeds: American Eskimo Dog, Beagle, Russell Terrier, Parson Russell Terrier, Scottish Terrier, Shetland Sheepdog, West Highland White Terrier
- You must be willing to participate in the study for 12 months

How to Participate

To participate in this study, you will be asked to do the following:

1. Collect a urine sample from your dog
2. Ship the sample to our laboratory using the self-addressed and postage-paid shipping containers.

Incentives (to thank you for your participation)

- A **free** molecular test to detect UC/TCC.
- If invited to the NC State Veterinary Hospital or UW Veterinary Care, your dog will receive a complete exam including blood work, abdominal ultrasound of the urinary tract, and cystoscopy of the urinary tract, all at **no cost to you**.
- Dogs accepted into the study will also receive regular clinical follow-up for 12 months, all at **no cost to you**.

All study participants will receive updates about the study and invitations to presentations about canine bladder health.