Title: Genotyping study on dogs with LSA

Investigator:
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If interested, please have your primary veterinarian request additional information through the UGA Oncology service by calling the small animal referral coordinator at 706-542-5362.

Study description:
The glutathione-S-transferase carcinogen detoxification pathway is normally involved in protecting the body from exposure to cancer causing agents (carcinogens) in the environment. Of particular importance in this pathway is the GSTT1 gene. In humans it has been found that the risk of developing certain types of cancer has been associated with a decreased activity in GSTT1. The purpose of this study is to evaluate cheek swab samples from BOXER dogs diagnosed with lymphoma (LSA) to further investigate the role of this gene in this breed. Boxers must have a confirmed diagnosis of LSA to be eligible for participation in this study.

Cells will be collected from the inside of the dog’s cheek (the gums) using a cotton swab. Samples will only be collected once. The costs associated with sample collection, shipment, and evaluation will be covered by the study and will not add to the cost of the client’s bill.

Duration of study:
The study is currently OPEN. Enrollment opportunities are limited and will terminate when the target enrollment is filled.

Potential benefits to veterinary medicine:
Lymphoma is one of the most common cancers in dogs and boxers are over-represented. The long-term goal of this study is to advance the understanding of risk factors for LSA in boxers and in all dogs.