Current Veterinary Clinical Trials:
CORNEAL ENDOTHELIAL DYSTROPHY
IN BOSTON TERRIERS

Background
- Corneal Endothelial Dystrophy (CED) is a devastating disease in dogs that can result in blindness and severe ocular pain from secondary complications. Several dog breeds, including Boston Terriers, are seen more commonly for CED in comparison to other breeds, which suggests that this disease has a genetic component. We aim to identify the region of the dog genome associated with CED in Boston Terriers in hopes of developing a genetic test for the disease.

Participation Requirements
- Boston Terriers with Corneal Endothelial Dystrophy
- Healthy Boston Terriers (over 7 years old)

Procedures
- Routine ophthalmic examination
- Blood collection for DNA analysis
- Non-invasive advanced corneal imaging with confocal microscopy and spectral domain-optical coherence tomography under sedation

Owner Responsibilities
- You will need to cover any costs due to complications from sedation, blood sampling, or examination (including corneal ulceration)
- We ask that you do not administer any medications to 48 hours prior to examination.
- Food cannot be given in the morning in preparation for sedation.

Benefits
- There is no cost to you for your participation in this study
- Your dog will receive a very thorough eye examination at no charge
- Results from this study will help us later identify the genes responsible for causing the disease.
- Once the gene(s) that predispose Boston Terriers to CED are identified, breeders will be able to select against the disease.

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